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ALASKA PENINSULA AND ALEUTIAN ISLANDS

MANAGEMENT AREAS ANNUAL SALMON MANAGEMENT REPORT, 1992

By

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ALASKA PENINSULA, ALEUTIAN ISLANDS, AND ATKA-AMLIA SALMON

Introduction

The Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas are collectively referred to as Management Area M & F and are divided into four subareas: (1) the North Peninsula, consisting of Bering Sea waters extending west from Cape Menshikof to Cape Sarichef on Unimak Island; (2) the South Peninsula, consisting of Pacific Ocean coastal waters extending west of Kupreanof Point to Scotch Cap on Unimak Island; (3) the Aleutian Islands, exclusive of the Atka-Amlia Management Area, consists of the Aleutian Islands west of Unimak Island; and (4) the Atka-Amlia Management Area, consisting of Bering Sea and Pacific Ocean waters extending west of Seguam Pass (172°50' W. long.) and Atka Pass (175°23' W. long.) also known as Area F (Figures 1-16; Appendix A). Five species of Pacific salmon are harvested in the Alaska Peninsula Management Area: 1) chinook salmon *Oncorhynchus tshawytscha*, sockeye salmon *O. nerka*, chum salmon *O. keta*, 4) pink salmon *O. gorbuscha*, and coho salmon *O. kisutch*.

The Alaska Board of Fisheries (BOF), during the November 1991 meeting, created an experimental open-to-entry set gillnet salmon fishery around Atka and Amlia Islands. In addition to the set gillnet gear, fishers with CFEC Area M purse seine permits may seine for salmon in the Atka-Amlia Islands Area.

During January through June, Area T (Bristol Bay) salmon fishers are allowed to fish during the open season in the Inner Port Heiden and Cinder River Sections. During August through December Area T fishermen may commercially fish in the Inner Port Heiden and Cinder River Sections, and Ilnik Lagoon area.

The Dutch Harbor office assists with Aleutian Islands Management Area finfish responsibilities and a seasonal office in the village of Atka has the Atka-Amlia responsibilities. There are three headquarter offices in the Alaska Peninsula Management Area: Sand Point, Cold Bay, and Port Moller. In 1990, the Sand Point office assumed responsibility for managing salmon in the Southeastern District. In 1992, the Port Moller office assumed responsibility for managing salmon in the Herendeen-Moller Bay, Bear River, Three Hills, and Ilnik Sections. The balance of the Alaska Peninsula and Aleutian Islands Management Areas salmon fisheries are managed from the Cold Bay office. Port Moller also serves as the Alaska Peninsula salmon research office. The 1992 emergency orders are listed in Appendix B.

Currently, four weirs operate in the Alaska Peninsula Management Area; Bear, Nelson, Orzinski, and Ilnik Rivers. Orzinski (Orzenoi) and Ilnik have operated since 1990. Orzinski was weired during 1929-41 and 1990-92. Due to the importance of Orzinski sockeye in determining fishing time for the Northwest Stepovak Section, the amount of attention this area receives in regards to potential Chignik sockeye interception, and the difficulties involved with estimating fish from the air, it was decided to reinstall a weir in 1990. Orzinski is an easy system to weir. Unfortunately, the 450 foot long weir at Ilnik Lagoon (the longest weir in Alaska) is extremely difficult to install and maintain. It was decided to weir Ilnik due to the often poor conditions for estimating salmon from the air, and the importance of this system in determining fishing time for both the Ilnik Lagoon fishery (dominantly set gillnet gear) and a large drift gillnet fleet fishing outside the lagoon in the Ilnik Section. Unfortunately, there were too many problems in securing a fish tight weir in 1990 to obtain good escapement data. In 1991 and 1992, the weir was modified and escapement counts and samples were successfully obtained.

Salmon fisheries in the Alaska Peninsula Management Area date back to at least 1888 when canneries were reportedly constructed at Orzinski (Orzenoi) Bay and Thin Point Cove. However, the earliest catch records for the Alaska Peninsula Area date back to 1906. The first recorded Aleutian Islands Management Area commercial salmon catches were in 1911.

Early catches in the Alaska Peninsula were dominantly sockeye salmon with a few chinook and coho salmon. The first year in which pink and chum salmon catches exceeded 500,000 each was 1916. Area wide historical catches, 1992 section and area harvests, processor and economic value of the fishery, along with weekly harvest by gear and area and number of permit holders by gear are listed in Tables 1-9.

The South Peninsula interception fisheries include the South Unimak (False Pass) June fishery, the Shumagin Islands June fishery, the Southeastern District Mainland (Balboa-Stepovak or Stepovak) fishery, and early through mid-July South Peninsula cape fisheries (Eggers et al. 1991, McCullough 1990). During some years, substantial interception of Bristol Bay destined sockeye salmon occurs by North Peninsula fishermen between Cape Seniavin and Strogonof Point (Geiger 1989, Swanton and Murphy 1992).

There are about 582 salmon systems within the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas (Murphy 1992). The South Peninsula has 185 salmon systems with sockeye salmon found in 23, pink salmon 110, chum salmon 72, and coho salmon in 57 systems, while the North Peninsula has 62 systems with chinook salmon present in 10 systems, sockeye salmon in 32, pink salmon in 11, chum salmon in 38, and coho salmon in 13 (Murphy 1992).

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

Escapement estimates using two methods are presented: 1) indexed (Appendix D) and 2) expansion factors for chinook, sockeye, and coho salmon and the area-under-the-curve method (Johnson and Barrett 1988) for pink and chum salmon. The indexed method is used inseason and for historical trends while expansion factors and the area-under-the-curve method has been used for post season analysis since 1986.

NORTH PENINSULA

Introduction

The North Peninsula includes two districts; the Northwestern and Northern Districts. The Northwestern District extends from Cape Sarichef to Moffet Point while the Northern District extends from Moffet Point to Cape Menshikof (Figures 4 and 5).

Catch and escapement information regarding the North Peninsula salmon are presented in Tables 10-39.

North Peninsula sockeye salmon catches averaged 239,500 during 1962-1975, 669,600 during 1976-78, and 2,025,800 during 1979-92 (Tables 1-10). Catches during the 1962-92 period ranged from 172,000 in 1973 to 3,575,000 (record high) during 1992 (Tables 1-10).

Sockeye salmon are the dominant species along the North Peninsula. The major producing systems are Bear River, Nelson Lagoon, Meshik River, Sandy River, Ilnik, and Urilia Bay. Bear River is the top producer with Nelson Lagoon being second. In addition to those listed above, there are numerous smaller producing systems (Table 31). The 1992 indexed total escapement for the North Peninsula was 861,300 (Table 10).

Peak North Peninsula sockeye salmon catches are taken during the first 10 days of July. Most returns to the Northern District are complete by the end of July. However, Bear River's return has a second peak in August and lasts well into September. There is also a small sockeye salmon return in Nelson Lagoon during early August. These fish are believed to spawn in lakes (mainly tributaries of the David's River) along the west side of the Nelson Lagoon drainage. Some Northwestern District sockeye salmon runs also last into August.

The major chum salmon producing locations are the Izembek-Moffet Bay, Herendeen-Port Moller Bay, Bear River, and Bechevin Bay Sections (Table 7). The North Peninsula chum salmon runs usually begin in June and continue at a steady rate throughout July and early August. Nelson Lagoon's run, which can be occasionally strong, starts in late July and is of short duration. Trader's Cove and Warm Springs chum salmon returns occur during August through early September.

Chum salmon are usually the second most important North Peninsula salmon species. Catches have averaged 390,700 during 1979-92 and the average indexed total escapement for the same period was 430,000 salmon (Table 10). The record catch was 797,000 fish during 1984. The chum catch in 1992 was 341,600, while the chum escapement was 351,700 in 1992 (Table 10).

On the average, coho salmon are the third most important commercial salmon species on the North Peninsula, although coho salmon are more important than chum salmon during some years. Due to the late timing of the runs, virtually no fishing effort was directed towards North Peninsula coho salmon until 1948, and then only in limited locations. During recent years more stocks have been exploited. However, there are undoubtedly stocks on both sides of the Alaska Peninsula which have not been identified. Escapement information is very limited.

North Peninsula coho salmon catches averaged 33,500 fish per year from 1948 through 1978. The catch jumped dramatically to a 177,900 average between 1979-92, with catches ranging from 75,100 in 1983 to 238,000 in 1982 (Table 10). The 1992 coho harvest was 206,000 (Tables 7 and 10).

Nelson Lagoon is the largest North Peninsula coho salmon producer (Tables 7 and 22). Other major runs include Port Heiden (Table 23), Cinder River (Table 24), Ilnik (Table 7), and Swanson Lagoon (Table 31).

Coho salmon returns generally begin about August 1, peak during the last two weeks in August and the first week in September, and are essentially over by September 15. However, there are exceptions, for example, the Ocean River coho salmon run seems to peak during late September. There is a lot to be learned concerning North Peninsula coho salmon stocks. Escapement information is limited due to budget restraints.

Chinook salmon are the fourth ranked salmon species in commercial importance along the North Peninsula (Table 4). However, they are economically valuable to some individuals. Chinook salmon are one of the two most important species at Port Heiden (Table 7) and are an important

contributor to the Nelson Lagoon economy (Table 19). The record North Peninsula catch was 44,200 fish during 1916. The harvest averaged 20,100 fish during 1979 through 1988, ranging from 11,700 in 1986 to 30,100 during 1982 (Table 10). The 1989 through 1992 average chinook salmon harvest is 11,400 fish with the 1992 harvest of 13,100 (Table 10). The reason for the recent decline is unknown but does not appear related to parent year escapement size. Nelson Lagoon, Port Moller vicinity, and Port Heiden are the major North Peninsula chinook salmon producing locations (Table 7).

Chinook salmon runs begin during the last week in May, peak during mid and late June then gradually decline until they are essentially over in late July. Most spawning occurs during the first half of August.

On the average, pink salmon are the least important North Peninsula salmon (Table 4). Returns are quite small and value per fish is lower than the other species. However, Bechevin Bay has occasionally produced large pink salmon returns during even numbered years and there was an unusually large run in Herendeen Bay during 1990. The North Peninsula even year pink salmon harvest averaged 201,000 fish during 1978-1992, ranging from 12,300 in 1985 to 518,000 fish in 1990 (Table 1). The catches in 1978, 1980, 1990, and 1992 were the only harvests on record to exceed 65,000 (Table 1). The odd year harvest has averaged 3,000 during 1977-1991, ranging from 900 fish in 1977 to 11,200 in 1981 (Table 1). The 1992 indexed total escapement was 207,600 salmon (Table 10).

It is not known why the North Peninsula is not a much larger pink salmon producer. Some of the streams look like good producers and do occasionally receive large enough pink salmon escapements to produce a substantial return. However, the returns normally fail to build and there likely is a feature in the marine environment which is not conducive to good pink salmon survival. Bechevin Bay, which has produced much of the North Peninsula pink salmon harvest should possible be considered part of the South Peninsula.

Most escapement estimates in the text are indexed totals except Bear River and Sapsuk River sockeye salmon 1962-92, Sapsuk River chinook and chum salmon 1962-85, Orzinski (South Peninsula) sockeye salmon 1990-92, and Ilnik sockeye salmon 1991-92 which are tower or weir counts. The indexed totals are calculated from aerial surveys and are likely lower than the actual totals. Consequently there will be differences after 1984 between figures used in area management reports and those in formally published reports (technical data reports, bulletins, etc.) which use different expansion factors. The indexed totals continue to be used for historical purposes.

North Peninsula 1992 Summary

The 1992 North Peninsula sockeye salmon harvest of 3,575,112 was the largest on record, exceeding the 1985 harvest of 2.6 million sockeye salmon (Table 1). The majority of the harvest (87%) occurred within the Port Moller to Strogonof Point fisheries (3,098,472 salmon; Table 7). Escapement into North Peninsula systems was estimated at 861,300 salmon (Table 10), with most of the escapement occurring in Bear River (450,000; Table 25), Nelson River system (180,000; Table 27), and Ilnik River (45,000; Table 29). Escapement goals were reached or exceeded in all systems.

The Bear River Section is managed on the basis of Bear River sockeye escapement through the weir. All interim escapement goals for Bear River were met and additional fishing time was permitted to harvest surplus escapement. On July 4, the Bear River Section was open to the stream terminus at the ocean shoreline to more effectively control the escapement. Throughout the remainder of the 1992 season, Bear River was open to the mouth for all subsequent openings. The season harvest was 1,398,257 sockeye, with peak weekly harvest occurring during the week of June 28 - July 4 (209,061 sockeye) followed closely by the week of August 9 - August 15 (200,423 sockeye; Table 7). The peak daily catch occurred on August 10 (63,182 sockeye). Fifty-two percent of the Bear River Section harvest occurred post-July 15. Approximately 39% of the total 1992 North Peninsula harvest occurred in the Bear River Section. Overall, excellent escapement through the weir warranted significant fishing opportunity to harvest surplus escapement.

Like the Bear River Section, the Three Hills Section is managed on the basis of Bear River escapement. The Three Hills Section is scheduled to open by regulation on June 25 (ADF&G 1992). Adequate escapement into Bear River permitted extensive fishing opportunity in both the Bear River and Three Hills Sections. The 1992 sockeye catch in the Three Hills Section was 959,223, with the peak catch occurring during the week of June 28 - July 4 when 487,800 sockeye were harvested. The peak daily catch occurred on July 2 (104,507). Sockeye harvest in the Three Hills Section accounted for 27% of the total North Peninsula catch.

Prior to July 16, the Ilnik Section is managed on the basis of Ilnik River sockeye through the weir. Post July 15, the section is managed using Bear River stocks. However, if a conservation concern is found in either the Bear River or Ugashik River (Bristol Bay Management Area) prior to July 15, then time and area closures may be considered (Shaul and Murphy 1992). Based on migration timing between Ugashik and North Peninsula fisheries, the bulk of the Bristol Bay run during a normal year would be past North Peninsula fisheries by July 15. If the Ilnik, Bear, and

Ugashik Rivers runs are late, and escapement requirements are not being met, then an extension beyond July 15 may be needed to ensure escapements.

The portion of the Ilnik Section from Three Hills to Unangashak Bluffs was scheduled to open to commercial salmon fishing on July 5. However, inside Ilnik Lagoon, which is predominantly a small set gillnet fishery, was open to commercial salmon fishing prior to July 5 (ADF&G 1992). The first commercial opening outside Ilnik Lagoon occurred from July 6 through July 8 in which about 510,000 sockeye were harvested in the 2.5 day opening. At this time, Ilnik River escapement began to lag slightly, and Ugashik River escapement appeared to be considerably later than usual. Based on these two circumstances, the Ilnik Section was closed in order to achieve escapement objectives. The next opening in the Ilnik Section, which included the entire Ilnik Section to Strogonof Point, which is scheduled to open on July 15 (ADF&G 1992), was on July 15 shortly after the Ilnik and Ugashik River escapement objectives were met or exceeded. The season catch in the Ilnik Section, including Ilnik Lagoon was 740,992 sockeye (Table 7), which represented 21% of the North Peninsula catch. The peak weekly harvest in this section of 513,439 sockeye occurred during July 5 - July 11.

The Nelson Lagoon sockeye harvest was 378,706 salmon. This was the third largest harvest since at least 1960 (Table 18). The peak harvest of 99,545 sockeye salmon occurred during the week of July 5 - 11, with a harvest of 85,888 sockeye salmon occurred during the following week of July 12 - 18 (Table 7).

The Urilia Bay sockeye harvest was 40,920 salmon (Table 7) and the indexed total escapement estimate was 30,900 fish. Although the number of sockeye in the escapement was within the goal of 26,400 to 52,800, the timing appeared late. The early and mid-June harvest in 1992 was weak in comparison to late June and early July. It appears that early fishing followed by late June and early July closures in previous years, has changed run timing. To rebuild the early segment of the run, closure of the fishery during most of June or until observed escapement warrants fishing, should be implemented in subsequent years.

The North Peninsula chum harvest was 341,616 salmon (Table 1). Major harvest locations were Herendeen Bay (127,323 salmon), Bear River Section (62,229 salmon), and the Izembek-Moffet Bay Section (61,671 salmon; Table 2). The indexed total escapement estimate was 351,700 salmon (Table 10). Escapements were spotty. Strong escapements were observed in the Izembek-Moffet Bay Section, Peterson Lagoon, Lawrence Valley Creek (Herendeen Bay), and in the Meshik River. Poor escapements were observed in Franks Lagoon and Warm Springs Bay. The balance of the North Peninsula had fair chum salmon escapements.

In 1992, the North Peninsula coho harvest totaled 206,813 salmon (Table 1). The major production locations by number of fish harvested were Nelson Lagoon Section (73,372), Cinder River Section (73,121), Bear River Section (22,099), Inner Port Heiden Section (16,744), and Ilnik Section (12,985; Table 2). Escapements were good in Nelson Lagoon, Cinder River, Meshik River, and Ilnik Lagoon, these systems were the only major streams surveyed during good conditions (Table 31).

The 1992 chinook harvest totaled 13,144 salmon (Table 1). The indexed total escapement estimate was 6,600 salmon (Table 10). Escapements were below objectives in most systems. Inner Port Heiden and Nelson Lagoon were the two largest producers. The Inner Port Heiden estimated indexed total escapement of 1,400 salmon may be low because only one survey was flown, the escapement goal is 2,000 to 4,000 salmon (Table 32). The Nelson Lagoon estimated indexed total escapement was 3,000 salmon (Table 32), slightly below the goal of 3,200 to 6,400 salmon. Most of the chinook catch occurs during fisheries targeting on sockeye salmon (Table 7).

In 1992, the North Peninsula pink harvest was 194,395 salmon (Table 1). Herendeen Bay had the largest harvest with 106,243 pink salmon (Table 7). As was the case in 1990, Lawrence Valley Creek produced the bulk of the Herendeen Bay pink salmon escapement (Table 31). The 1992 Lawrence Valley Creek indexed total escapement was 145,000 pink salmon. Escapement data is incomplete for most of the area outside of Bechevin Bay. The 1992 pink indexed total escapement in Bechevin Bay was 49,400 salmon.

SOUTH PENINSULA

Introduction

Catch and escapement information regarding the South Peninsula are presented in Tables 39-101.

Salmon fisheries in the South Alaska Peninsula date back to at least 1888 when canneries were reportedly constructed at Orzinski (Orzenoi) Bay and Thin Point Cove. However, the earliest catch records for the Alaska Peninsula Area date back only to 1906 (Table 1). Early catches were dominantly sockeye salmon with a few chinook and coho salmon. The first year in which pink and chum salmon catches exceeded 500,000 each was 1916.

The major species produced in South Peninsula streams is pink salmon (Tables 43-47). Runs fluctuate dramatically over time due to the magnitude of parent escapements and environmental

conditions. During 1970-91, commercial catches ranged from 35,783 pink salmon in 1973 to 10,665,171 in 1984 (Tables 98-101). Most systems produce large runs on both even and odd year cycles, however, most of the streams between Cold Bay and Unimak Bight are basically even year producers. Dry Lagoon and Apollo Creeks on Unga Island also seem to be even year cycle systems. Pink salmon runs usually arrive in force about July 20 and peak about August 1 (Figure 24). After August 15-20 the fish quality is usually poor due to water marking.

Chum salmon are the second most important locally produced species in South Peninsula waters (Tables 43-47). During 1970-91, commercial catches ranged from 29,928 in 1975 to 1,394,332 in 1986 (Tables 98-101). Chum salmon runs are somewhat more stable than pink salmon runs due to the presence of more than one age class and the tendency for chum salmon to select spawning locations that are less susceptible to scouring and freezing. Chum salmon runs start earlier and last longer than those of pink salmon (Figure 24). There is also a large variation in run timing between different chum salmon stocks.

The South Peninsula has numerous sockeye salmon stocks (Tables 43-47). Most stocks are small although Thin Point and Middle Lagoon (Morzhovoi Bay) produced substantial runs during the 1920's and 1930's. These systems appear to be returning to high production levels through good escapement monitoring and an aggressive enforcement program. Thin Point and Morzhovoi Lakes are suspected of having rearing capacities greatly in excess of spawning capacities. The potential of producing substantially larger runs through supplemental methods exists. Orzinski (Orzenoi) Lake is an important contributing system to Southeastern District catches. Post-June South Peninsula sockeye salmon catches are often substantial (Figure 23). During 1970-91, commercial catches ranged from 3,449 in 1975 to 1,040,231 in 1990 (Tables 98-101). Many sockeye salmon harvested in the Southeastern District Mainland fishery are destined for streams in the Chignik Management Area (ADF&G 1992 and Appendix A). Post June South Peninsula tags from sockeye salmon have been returned from South and North Peninsula systems, Bristol Bay, Chignik, Kodiak, and Cook Inlet (McCullough 1990).

Although coho salmon are harvested through September, most South Peninsula coho salmon are harvested incidentally while fisheries are targeting pink and chum salmon during mid-July to mid-August (Figures 23 and 24). Historically, South Peninsula coho salmon catches have demonstrated long periods of varying abundance (Figure 25). From 1923 through 1946, catches were at a high level, averaging 148,000 salmon annually (Table 1). During 1947-58, the average harvest decreased to about 50,000 salmon. The 1959-77 average South Peninsula coho harvest was only 12,000 salmon, with only 66 coho salmon harvested in 1975. Catches increased substantially during 1978-92, averaging 278,000 salmon. In 1988, the largest reported catch

occurred, 505,278 salmon. In 1928-50, Aleutian Islands Management Area catches were combined with the South Peninsula; the Aleutian Islands contribution was probably insignificant. During years when Aleutian Islands coho salmon harvests were separated from the South Peninsula harvest, the largest documented coho salmon catch in the Aleutians was 4,400 salmon in 1918 and the catch totaled less than 200 salmon during most years.

Chinook salmon are of minor commercial importance in South Peninsula waters, averaging only 6,300 salmon harvested during 1970-92 (Table 1). There are no chinook salmon spawning systems in South Peninsula waters. Chignik River is the only known chinook salmon producer on the Pacific side of the entire Alaska Peninsula (Figure 2).

There are approximately 23 sockeye salmon, 110 pink salmon, and 72 chum salmon producing systems along the South Peninsula (including islands)(Murphy 1992). To date 57 South Peninsula coho producing systems have been identified. Two methods are used to calculate escapements: 1) indexed escapement (Appendix D), and 2) estimated escapement (Johnson and Barrett 1988). The indexed escapement is used inseason and for historical comparisons because the estimated escapement method has only been employed since 1986. The 1982-91 average South Peninsula indexed total escapement is 67,000 sockeye, 2,483,000 pink, and 335,000 chum salmon. The South Peninsula estimated total salmon escapement is 103,978 sockeye, 2,632,554 pink, 553,893 chum, and 31,849 coho salmon (Tables 45-47)(coho escapement data are based on limited surveys; Murphy 1992).

All South Peninsula fisheries are usually closed during late August to September 1 to achieve good pink and chum salmon escapements.

A large portion of Alaska Peninsula fishermen's earnings comes from harvesting migrant salmon. The South Peninsula interception fisheries include the South Unimak (False Pass) June fishery, the Shumagin Islands June fishery, the Southeastern District Mainland (Balboa-Stepovak or Stepovak) fishery, and early to mid-July cape fisheries (Figure 4).

June Fisheries

Introduction

South Peninsula June fisheries harvest data are presented in Tables 48-63.

The South Unimak (Figure 11) and Shumagin Islands (Figures 6 and 14) June fisheries date back to at least 1911 (Table 51). The dominant stocks targeted by these fisheries are Bristol Bay bound sockeye salmon, which has caused controversy between Alaska Peninsula-Aleutian Islands and Bristol Bay fishermen for many years (Eggers et al 1991). During the late sixties, the South Unimak-Shumagin fisheries were open to commercial fishing seven days per week regardless of Bristol Bay run strength (Table 49). This caused many debates at Fish and Game Board meetings, with special meetings occurring over this one issue during the early seventies. South Unimak-Shumagin June management strategy was decided on a year by year basis during 1972-74 due to very low anticipated Bristol Bay sockeye salmon returns. In 1974, both fisheries were closed during June.

Beginning in 1975, the BOF implemented an allocation plan where the South Unimak-Shumagin Islands June fisheries would be managed on guideline harvest levels allocated on the basis of predicted Bristol Bay inshore sockeye salmon harvests. Based on historical catch information, 6.8 and 1.5 percent of the forecasted inshore Bristol Bay harvest was allocated to the South Unimak and Shumagin Islands June fisheries, respectively. To reduce the possibility of overharvesting any segment of the Bristol Bay run, the guideline harvest level was allocated to discrete time periods based on historical catch data. The allocation in percent by time period is listed as follows:

Time Periods	South Unimak	Shumagin Islands Section
June 1 - 11	5%	9%
12 - 18	29%	28%
19 - 25	51%	41%
26 - 30	15%	22%
Total	100%	100%

If the guideline harvest for an individual time period was not reached, the unharvested portion was lost to the fishery. If the guideline harvest for an individual time period was exceeded, the overharvest was subtracted from the total season allocation.

Chum salmon are taken incidental to sockeye salmon during the South Unimak-Shumagin Islands June fisheries. In 1982 an unusually large harvest of approximately 1.1 million chum salmon (Tables 52-56) along with a failing fall Yukon River chum salmon run brought pressure from fishermen in the Arctic-Yukon-Kuskokwim (A-Y-K) Region to curtail or eliminate the fishery. Unlike the sockeye salmon which are predominantly bound for one area (Bristol Bay), chum salmon are headed for a variety of areas ranging from Japan to Kotzebue to Prince William Sound (Eggers et al 1991).

In an effort to limit the chum salmon by-catch, the BOF in 1984 placed further restrictions on the fishery. The new restrictions consisted of allowing no more than 96 hours of fishing during a seven day period and no more than 72 consecutive hours. This regulation allowed for closed fishing periods (referred to as windows) between open periods to increase the opportunity for chum salmon to escape.

During 1986 only, the following additional restrictions were used.

1. No fishing before June 11.
2. No fishing during June 26-30 and the loss of that period's sockeye salmon allocation.
3. A 400,000 chum salmon catch ceiling.

These restrictions plus low availability of sockeye salmon resulted in only 470,000 of the 1,107,000 sockeye allocation being harvested.

During the fall 1986 BOF meeting, the board adjourned (with three members resigning) without taking any action on the South Unimak-Shumagin Islands June fisheries. The regulations during 1987 were the same as during 1984-85.

A tagging program was carried out during 1987, indicating that chum salmon go to a variety of places after passing the South Peninsula in June (Eggers et al 1991). The Yukon River fall contribution was small during this year.

During the spring 1988 meeting, the BOF placed a 500,000 (fish) chum cap on the South Unimak-Shumagin Islands June fisheries (once a total of 500,000 chums are harvested the fishery will be closed; Shual and Schwarz 1989). It would be very difficult or impossible to harvest the sockeye allocation during many years due to the chum cap. In 1988, the South Unimak sockeye salmon harvest was reduced by approximately 669,000 fish due to the 500,000 chum cap. The 669,000 reduction is in addition to the estimated reduction of 117,000 sockeye that would have been caused by other restrictions (no more than 96 hours to be fished in any 7 day period nor more than 72 consecutive hours). The Shumagin fishery harvested its 1988 sockeye salmon allocation.

In 1989, South Unimak and Shumagin Islands fishermen did harvest their June sockeye salmon allocations (Shaul, Schwarz, Quimby 1990). However, this was due to the Bristol Bay forecast (and consequently the South Unimak and Shumagin quotas) being low (Tables 57-59). If the Bristol Bay inshore sockeye harvest had been perfectly predicted, the South Unimak fishery

would have fallen approximately 400,000 fish short of its sockeye salmon allocation, due to the 500,000 salmon chum cap. Sockeye salmon catch rates were so high in the Shumagin Islands that this fishery could have easily taken its allocation if the Bristol Bay harvest had been perfectly forecasted before the chum salmon ceiling was reached.

After the 1989 season, the BOF made the following changes to the South Unimak and Shumagin Islands June fisheries (ADF&G 1992; Appendix A):

1. The starting date of the fishery was delayed until June 13 as the chum salmon percentage is normally higher during early June.
2. The chum salmon ceiling for both fisheries combined was raised from 500,000 to 600,000.
3. The "window regulations" were eliminated as there did not seem to be a need for both a chum salmon ceiling and windows.
4. The sockeye salmon allocation periods and allocations were changed and are presently the same for each fishery.

June 13-18	35%
June 19-25	45%
June 26-30	20%
Total	100%

   If catches in either fishery fall below the guidelines in the June 13-18 period, those unharvested sockeye salmon up to a maximum of five percent of the total allocation for that fishery may be harvested during the June 19-25 period. The June 26-30 period cannot be used to make up for underharvests during the first two periods. Available information and thinking was that the sockeye salmon stock composition between the first two periods was very similar, however the June 25-30 stock composition at South Unimak-Shumagin Islands may be dominated by fewer and later stocks.
5. Unlimited seine leads were eliminated at South Unimak and leads of 50 to 150 fathoms are the only legal lengths for the entire Alaska Peninsula.
6. For the first time, maximum depth restrictions were placed on seine and gillnet gear. For the entire Alaska Peninsula Area seine depth may not exceed 375 meshes in depth. Seine mesh may not exceed 3-1/2 inches except the first 25 meshes above the lead line may not be more than 7 inches. Gillnet gear used in South Peninsula waters may not exceed 90 meshes in depth.
7. The area comprising the South Unimak fishery was extended to include the following portions of the Southwestern District located outside the Ikatan Bay Section:

(a) all waters north and west of a line from Cape Pankof Light to Thin Point.
(b) all waters enclosed by a line from Thin Point to Stag Point on Deer Island to Dolgoi Cape and from Bluff Point on Dolgoi Island to Arch Point.

In 1990, sockeye salmon were not available in large numbers at either the Shumagin Islands or South Unimak despite the fact that Bristol Bay experienced one of its largest runs on record (Shaul et al 1991). Windy weather plagued fishing operations but fish abundance also seemed low, especially in view of the huge run that returned to Bristol Bay. The Shumagin Islands sockeye salmon harvest was 256,000 fish with a guideline harvest level 240,000 (Table 52). The Shumagin Islands were open to fishing a total of 224 hours during 10 days in June (Table 63). At South Unimak, the harvest was 1,091,000 (1,087,000 allocation; Table 52). The South Unimak June fishery was open to fishing for 269 hours during 13 days (Table 63). A total of 64,000 chum salmon were caught in the Shumagin Islands and 455,000 were caught at South Unimak for a combined total of 519,000 chum salmon (Table 52).

If the Bristol Bay sockeye run had been perfectly forecasted, the Shumagin Islands and South Unimak quotas would have been 518,000 and 2,347,000 respectively (Tables 57-59). However, due to the 600,000 chum ceiling, the Shumagin Islands fishery would have fallen approximately 35,000 sockeye salmon short of its corrected quota while South Unimak would have fallen approximately 1,050,000 sockeye salmon short.

With no chum salmon ceiling, the Shumagin Islands fishery would have easily taken its sockeye salmon allocation in 1990 with a total chum salmon catch of approximately 135,000. Even without a chum salmon ceiling, the South Unimak fishery would have only taken about 1.6 million of its corrected allocation while catching approximately 700,000 chum salmon.

In 1991, the Shumagin Islands June sockeye salmon harvest was 333,000, slightly under the allocation of 347,000 (Table 52). A total of 103,000 chum salmon were harvested in the Shumagin Islands. The Shumagin Islands June fishery was open 88 hours during 5 days (Table 63). The 1991 South Unimak June sockeye salmon catch was 1,216,000 which was well under the guideline harvest level of 1,573,000 (Table 52). The reason for the guideline harvest level not being reached was the chum salmon cap being exceeded. The South Unimak chum salmon harvest was 669,000 chum salmon which brought the combined South Unimak-Shumagin Islands chum salmon catch to 772,000. The South Unimak fishery was open 158 hours during 8 days in June (Table 63).

It is not known at this time what impact the reduction in gear depth, adopted by the BOF prior to the 1990 season (ADF&G 1992), had on gear efficiency or if the gear reduction caused a reallocation between gear types.

Test fishing in the Shumagin Islands Section during June was instituted in 1990 to aid the South Peninsula salmon management staff in determining sockeye to chum salmon ratios and salmon average weights by species (Shaul et al 1992). ADF&G attempts to have commercial salmon fishing periods when the catch of sockeye salmon is expected to be high in relation to a low chum salmon catch. The ratio of sockeye to chum salmon is normally low in early June, highest when the sockeye run is peaking during mid to late June and during some years is again low during late June (Figures 17 and 18). During 1970-92, most sockeye and chum salmon are harvested during June 12-26 in both the Shumagin Islands and South Unimak fisheries.

Test fishing occurs before the June 13 regulated opening date and between commercial salmon fishing periods to determine the most favorable periods of sockeye to chum salmon ratios (Shaul et al 1992). Test fishing was standardized to purse seine gear making 20 minute sets at Popof Head, Middle Set, and Red Bluff; additional sets are made if time allows (McCullough and Shaul 1992). During off-loading, the catch is separated by species, counted, and weighed. Purse seine vessels are selected randomly from a list of skippers that have expressed an interest in the test fishery. The skipper and usual crew are aboard as well as an ADF&G observer.

In 1990, test fishing occurred on June 10 and resulted in a 3.8:1.0 sockeye to chum salmon ratio and the fishery was opened on June 13 (Shaul et al 1992).

In 1991, test fishing occurred on June 9-13. The ratio of sockeye to chum salmon prior to June 12 was not favorable for a commercial fishing period; the ratio ranged from 0.4:1.0 and 1.9:1.0 sockeye to chum salmon (Shaul et al 1992). On June 13 the ratio improved to 3.3:1.0 and on June 14 was 4.7:1.0. The first commercial salmon period occurred on June 15, the commercial ratio was 3.4:1.0. The Shumagin Islands Section was open to commercial salmon fishing on June 15, 17, 18, 20, and 22. Overall, the June Shumagin Islands Section commercial sockeye to chum salmon ratio was 3.2:1.0.

South Unimak-Shumagin Islands 1992 Summary

The BOF, during November 1991, changed the South Unimak-Shumagin Islands June chum cap from 600,000 fish to 40 percent of the sockeye salmon allocation and the cap was not to exceed 900,000 chum salmon. Due to the large 1992 Bristol Bay sockeye salmon forecast, the chum

salmon cap was established at 900,000 salmon. The 900,000 chum salmon cap generated a great deal of debate with Arctic-Yukon-Kuskokwim (A-Y-K) Region fishers. The BOF relied extensively on the 1987 South Unimak-Shumagin Islands chum and sockeye salmon tagging study (Eggers, Rowell, and Barrett, 1991) when they increased the chum salmon cap.

An error in the 1987 tagging study was discovered which indicated the study had underestimated the impact of the South Unimak and Shumagin Islands June fisheries on A-Y-K stocks, including those of Norton Sound. This provided enough new information for the South Unimak-Shumagin Islands chum salmon cap issue to be brought up for consideration again at the March 1992 BOF meeting in Juneau. After reconsideration, the BOF changed the chum salmon cap to an annual 700,000 fish limit (ADF&G 1992).

Fishermen from Norton Sound filed for a preliminary injunction against the South Unimak-Shumagin Islands June fishery. The case was heard in Nome, less than a week before the fishery was to take place. The request for a preliminary injunction was denied and the South Unimak-Shumagin Islands fishery was allowed to proceed.

To minimize the harvest of chum salmon, ADF&G closed waters around Sanak Island, bounded by the latitude (Figure 11) of Hague Rock and the longitude of Cape Pankof Light below Hague Rock's latitude to commercial salmon fishing during June (Shaul and McCullough 1992). Historically, Sanak Island waters had been fished sporadically, but had produced unacceptably high chum to sockeye salmon ratios.

The sockeye guideline harvest level for the South Unimak and Shumagin Islands June fisheries is 6.8 percent and 1.5 percent, respectively, of the Bristol Bay sockeye harvest forecast (ADF&G 1992). Based on the 1992 Bristol Bay forecast, the 1992 sockeye guideline harvest levels were as follows (Shaul and McCullough 1992):

Period	Percent	South Unimak	Shumagin Islands	Total
June 13 - 18	35%	686,000	151,000	837,000
June 19 - 25	45%	881,000	195,000	1,076,000
June 26 - 30	20%	392,000	86,000	478,000
Total	100%	1,959,000	432,000	2,391,000

In 1992, the South Unimak and Shumagin Islands Section June fisheries first fishing period was delayed until June 15 in an attempt to minimize the chum salmon harvest. Initial test fishing in the Shumagin Islands Section on June 9 resulted in an acceptable sockeye to chum salmon ratio of 3.2:1.0 (Table 48). Test fishing results on June 10 and June 11 were unacceptable, as the sockeye to chum salmon ratio was 0.8:1.0 on June 10 and 0.5:1.0 on June 11. The ratio of sockeye to chum salmon improved to 1.6:1.0 on June 12 and indicated continuing improvement on June 13 with a ratio of 3.3:1.0. The ratio of sockeye to chum salmon is normally low in early June, highest when the sockeye salmon runs are peaking during mid and late June, and during some years is again low during late June.

The first fishing period was announced for 6:00 a.m. until 10:00 p.m. during June 15 in both fisheries (Appendix B). During late afternoon, June 15, ADF&G began receiving calls from fishermen at South Unimak reporting that the catch was nearly all sockeye salmon and requesting an extension. The fishing period was extended 16 hours until 2:00 p.m. June 16 at South Unimak. The June 15 South Unimak catch was 223,441 sockeye and 26,333 chum salmon (Table 60), an 8.5 sockeye to chum salmon ratio. In the Shumagin Islands, the June 15 harvest was 90,174 sockeye salmon and 26,485 chum salmon, a 3.4 to 1.0 ratio.

The South Unimak June 15 harvest was tallied on the morning of June 16, and the fishery was extend another 24 hours until 2:00 p.m., June 17. An 8:00 a.m. until 4:00 p.m. fishing period was announced for the Shumagin Islands on June 17. It was believed that the Shumagin Islands June 13-18 sockeye salmon allocation would be exceeded with any additional fishing time beyond the eight hours. In the Shumagin Islands, 125,455 sockeye and 32,729 chum salmon were harvested in the eight hour period and the Shumagin Islands remained closed until June 19 (Table 60).

The South Unimak fishery was extended day after day, based on the previous day's catch until 2:00 p.m. June 18 when it was projected that the June 13-18 allocation would be taken. During June 15-18, a total of 869,212 sockeye and 129,106 chum salmon were harvested, a 6.7 to 1.0 ratio.

With the sockeye to chum salmon ratio being so good, it was decided to reopen South Unimak from 12:01 a.m. until 10:00 p.m. during June 19. The midnight opening drew much criticism from purse seine fishermen, although midnight openings were standard in the early eighties. A total of 370,704 sockeye and 58,778 chum salmon were harvested in the June 19 South Unimak fishing period. An 8:00 a.m. until 8:00 p.m. fishing period in the Shumagin Islands yielded 149,017 sockeye and 34,015 chum salmon (Table 60).

An 8:00 a.m. until 12:00 noon fishing period in the Shumagin Islands during June 21 produced a harvest of 25,513 sockeye and 3,949 chum salmon. The sockeye allocation through June 25 had been exceeded and by regulation (ADF&G 1992) the fishery could not open again until June 26 (Table 60).

A South Unimak fishing period was announced for 6:00 a.m. until 10:00 p.m. during June 21. During the opening, fishermen reported that the sockeye to chum salmon ratio remained high and a 16 hour extension was granted until 2:00 p.m. June 22. Early in the morning of June 22, ADF&G in Cold Bay overheard purse seine fishermen at Cape Lutke trying to get other fishers to stop fishing on a large mass of chum salmon that had suddenly arrived. A tender reported small chum salmon and it was feared that the seiners would catch a huge number of chum salmon in very little time. The Cape Lutke Section was closed at 11:00 a.m., three hours earlier than scheduled due to the reported chum salmon. Later reports indicated that the chum salmon were large in size and abundant. The total June 21-22 South Unimak harvest was 712,759 sockeye and 121,051 chum salmon (Table 60).

After June 22, only 42,000 sockeye remained on the Shumagin Islands quota. The inseason verbal reports indicated only 32,000 were left. Only 6,000 sockeye remained on the South unimak quota, although inseason verbal totals (the figures used to manage the fisheries) indicated 34,000 sockeye were left to be harvested. It was not known if the catch rates would remain high after a four day closure, although the Shumagin Islands had demonstrated high late June catches in prior years. It was decided to allow a 12:00 noon until 5:00 p.m. fishing period at South Unimak with the Cape Lutke Section remaining closed. It was felt that with Cape Lutke closed, the South Unimak sockeye salmon catch rate would be slower. Fishing at Cape Lutke was not needed at this time to reach the sockeye salmon allocation and there was the possibility that large numbers of chum salmon could still be in the vacinity of Cape Lutke. A 12:00 noon until 2:30 p.m. fishing was allowed during June 26 in the Shumagin Islands.

The June 26 period in the Shumagin Islands produced a catch of 21,675 sockeye and 5,134 chum salmon (Table 60). The June 26 period at South Unimak produced a catch of 93,347 sockeye and 14,953 chum salmon, which brought the final total harvest figure to 2,046,022, compared to a verbal total of 2,014,000.

The Shumagin Islands June fishery was open five days for a total of 42 1/2 hours and produced a catch of 411,834 sockeye and 102,312 chum salmon (Tables 60 and 63). In-season verbal catch reports indicated the June catch was 421,219 sockeye and 101,925 chum salmon. The South

Unimak fishery was open eight days for a total of 139 hours and produced a catch of 2,046,022 sockeye and 323,891 chum salmon (Tables 60 and 63).

In-season reports indicated that about 10,800 sockeye salmon remained on the Shumagin Islands June allocation, but South Unimak verbal reports indicated that the allocation at South Unimak was exceeded by 50,000 sockeye. Because the combined Shumagin Islands and South Unimak sockeye salmon allocation was exceeded by an estimated 44,000 salmon, both fisheries were closed for the remainder of June.

The combined South Unimak-Shumagin Islands June harvest was 2,457,856 sockeye and 426,203 chum salmon, well below the 700,000 chum salmon cap, but exceeding the sockeye allocation by 66,856 salmon (Tables 60-62).

During the 1992 June fishery, purse seine fishers harvested 58.3% (1,192,202) of the South Unimak sockeye salmon and 90.9% (374,258) of the sockeye salmon caught in the Shumagin Islands (Table 53). Drift gillnet and set gillnet fishers accounted for 37.4% (765,752) and 4.3% (88,068) of the South Unimak sockeye salmon harvest, respectively (Table 53). Set gillnet fishers accounted for 9.1% (37,576) of the Shumagin Islands sockeye salmon harvest (Table 53 and Figure 21). Purse seine fishers harvested 63.2% (204,717) of the South Unimak chum salmon and 96.3% (98,509) of the chum salmon caught in the Shumagin Islands (Table 53 and Figure 22). Drift gillnet and set gillnet fishers took 35.6% (115,401) and 1.2% (3,773) of the South Unimak chum salmon, respectively. Set gillnet fishers accounted for 3.7% (3,803) of the Shumagin Islands chum salmon harvest (Figure 22). During June, the sockeye to chum salmon ratio at South Unimak was 6.3 : 1.0 and at the Shumagin Islands was 4.0 : 1.0 and for both fisheries combined was 5.8 : 1.0 (Table 54). During June 112 purse seine, 141 drift gillnet, and 71 set gillnet permit holders commercially fished in South Peninsula waters (Table 50; Figures 19 and 20).

South Peninsula Post June Fisheries

Introduction

Tables 64-105 contain data regarding the South Peninsula Post June fisheries and South Peninsula salmon escapement information.

A new approach will be taken in discussing and presenting post June fisheries from prior annual management reports. Prior reports presented post June harvest data in text and tables by sections,

districts, and fisheries. Because current post June fisheries have changed since the original sections and district boundary lines were presented, a new approach is desirable. Some tables will still present data by section and district for historical comparison but some data and text will be different. New post June text and data will be presented as: 1) South Peninsula as a fishery (Figure 2); 2) Southeastern District as a fishery with the Shumagin Islands Section fisheries treated separately from the Southeastern District Mainland fisheries (Figure 14); 3) McGinty Point to Moss Cape area (Figure 14); 4) Belkofski to Kenmore Head area (Figure 14); and 5) Kenmore Head to Scotch Cap area (Figure 14). Reasons for discussing the post June fisheries in these units include: 1) the Southeastern District Mainland fishery has a separate management plan from the balance of the South Peninsula (5 AAC 09.360; Figure 5); 2) the Shumagin Islands Section is a manageable area to discuss separately; 3) the McGinty Point to Moss Cape area, although noted for its local pink and chum production, also harvests migratory sockeye salmon in cape areas; 4) the Belkofski to Kenmore Head area harvest is dominated by pink and chum salmon with local sockeye salmon runs in Thin Point Cove, Cold Bay and Morzhovoi Bay, but also includes migratory sockeye salmon of unknown origin which are harvested in the vicinity of Belkofski Bay, Deer Island, and King Cove; and 6) the Kenmore Head to Scotch Cap area combines the only area in South Peninsula waters where drift gillnet gear is allowed (Figure 3).

For those with statistical maps or databases the following statistical numbers apply to the 1970-92 database for each fishery: 1) South Peninsula: 28100 through 28599, 2) Southeastern District: 28100 through 28299 and 28375, 28380, and 28390, 3) Southeastern District Mainland: 28100 through 28199 and 28375, 28380, and 28390, 4) Shumagin Islands Section: 28200 through 28299, 5) McGinty Point to Moss Cape: 28315, 28317, 28321, 28323, 28324, 28325, 28326, 28351, 28352, 28361, 28362, 28363, 28364, 28365, 28370, 28436, 28437, and 28438, 6) Belkofski to Kenmore Head: 28312, 28320, 28331, 28332, 28333, 28334, 28335, 28341, 28342, 28442, 28445, 28455, 28462, 28465, 28467, 28475, 28477, and 28480, and 7) Kenmore Head to Scotch Cap: 28310, 28330, 28410, 28420, 28430, 28440, 28460, 28470, 28472, 28490, 28510, 28520, 28530, 28540.

Prior to 1992, South Peninsula waters east of Rock Island opened to commercial salmon fishing about July 6, except in the Southeastern District Mainland fishery, which is managed prior to July 26 on a separate management plan (5 AAC 09.360)(Figure 4 and 5). Prior to 1976, post June South Peninsula fisheries were open five days per week, with total season closures on August 10 to provide adequate escapement and maintain product quality (Stopha, McCullough, and Shaul 1992). From about 1976 to 1991, the salmon fishery was managed by emergency order based on local stock run strength. Fishing periods from July 6 to about July 18 were based on chum salmon run strength, and from July 18 through about August 20 on pink salmon run strength

(Figure 24). Fishing continued into late August in years of strong pink salmon runs. Migratory salmon were also harvested during these openings, and contributed a substantial portion of the total post June harvest in some years (Figure 23). Emergency orders based on coho salmon runs allowed fishing in September.

In November 1991, the BOF established the Post June Salmon Management Plan for the South Alaska Peninsula (5 AAC 09.366; Stopha, McCullough, Shaul 1992). This plan allows for the harvesting of local stocks through July 20 in terminal areas, but closes the remainder of the South Peninsula formerly opened in post June fisheries. The BOF decision was based on the concept that local pink and chum salmon could be caught in terminal areas early in the season without sacrificing product quality, while at the same time allowing migratory salmon to pass through the South Peninsula area. After July 19, the board concluded that South Peninsula fishers needed to catch pink salmon in their traditional cape harvest areas to maintain product quality and to allow for available processing capacity. Under this new plan, commercial salmon fishing from July 6-19 was to be restricted to terminal fishing areas opened by emergency order, based on local stock run strength as gauged by harvest and escapement rates. These areas include Zachary Bay and Inner Pavlof Bay, and the Cold Bay, Thin Point, Canoe Bay, and Morzhovoi Bay Sections. From July 20 through the remainder of the commercial salmon season, the entire South Peninsula could be opened to commercial salmon fishing by emergency order based on local stock strength.

After the closure of South Peninsula June fisheries (June 26 was the last June fishing period), fishermen had the choice of moving to areas within the Alaska Peninsula Management Area remaining open (portions of the North Peninsula and Aleutian Islands), remaining in the South Peninsula area for likely one day a week fishing periods, or to go on vacation for three weeks. Most floating processors moved to Bristol Bay while shore based processing facilities laid off crews and tenders and did maintenance work.

In accordance with an order issued on July 10, 1992 by Alaska State Superior Court Judge Hopwood (Third Judicial District, Kodiak) in Stepovak-Shumagin Set Net Association v. State of BOF, Case No. 3K0-92-239 CI, which granted plaintiff Stepovak-SSNA an injunction staying the enforcement of 5 AAC 09.366 (the Post June Salmon Management Plan for the South Alaska Peninsula), a commercial salmon fishing period was announced for July 13-14 in South Peninsula waters. The period was delayed until July 13 to allow fishers, industry, and ADF&G adequate time to prepare for the unexpected opening.

1992 Immature Salmon Concerns

Prior to the July 13-14 commercial salmon fishing period, ADF&G test fished in Shumagin Islands Section waters to determine the presence and abundance of immature salmon (McCullough and Shaul 1992). During normal fishing operations, immature salmon of three species are sometimes inadvertently gilled in purse seine gear in South Peninsula waters: chinook salmon, sockeye salmon, and chum salmon.

Historically, the presence of immature salmon in South Peninsula waters has caused the curtailment of all commercial fishing in effected areas during late June or July in 1963, 1968, 1969, 1974, and 1979 and purse seine fishing in 1989-91 (Shaul et al. 1992, McCullough 1992). After 1979, regulations were adapted curtailing only purse seine fishing in affected areas (ADF&G 1992). The problem associated with immature salmon is restricted to the purse seine fleet. Immature salmon are gilled in the seine webbing resulting in what is likely a 90-100% mortality factor. By regulation, seine mesh size may not be more than 3 1/2 inches except for the first 25 meshes above the lead line, which may not be more than 7 inches (ADF&G 1992). By regulation, gillnet mesh size can not be less than 5 1/4 inches; the larger mesh size in gillnet gear allows for unrestricted passage of immature salmon through gillnet gear.

Historically, immature salmon cause the greatest problem in the Shumagin Islands Section. 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 (Figure 7). Deep water offshore of the beach allows nets to be deployed close to the shore. Twenty-minute sets, in vessel rotation, are used to catch salmon migrating westward. Catches of immature salmon were first brought to the attention of the ADF&G in 1963. Currently, about 55 purse seine permit holders must either remain on the beach or move to other open areas that are not as productive as the Shumagin Islands Section; otherwise, the waiting period at favored sites is extended by their presence. Immature salmon usually migrate out of the Shumagin Islands Section by July 23. In 1992, purse seine gear closures remained in effect until July 29.

In 1990, test fishing was standardized to purse seine gear making 20 minute sets and fully pursing the gear. The test fish project used commercial purse seines that are 250 fathoms in length and 375 meshes in depth. The seine mesh is 3 1/2 inches except for the first 25 meshes above the lead line, which is usually seven inch mesh. The test fish project and commercial fishermen do not use leads in the Shumagin Islands Section. Sites used to set the gear included: Popof Head, Middle Set, and Red Bluff. Additional sets were made if time allowed. If large numbers (greater than 1,000) of immature salmon were observed being gilled during any set, the set could be

terminated prior to the 20 minute time limit. Each day a permit holder was randomly selected from a list of permit holders interested in the test fishery. The standard ADF&G short term vessel charter agreement between the State of Alaska and the vessel owner was used. The permit holder supplied all necessary fishing material and crew, while ADF&G supplied a biologist to count and identify by species the number of immature and mature salmon per set. Immature salmon were defined as any salmon gilled in seine webbing and weighing less than three pounds per fish; this was also the weight below which buyers refused to pay for salmon. Mature salmon were sold to pay charter cost and immature salmon were dumped at sea unless they could be given away for subsistence use. During off-loading the mature catch was separated by species, counted, and weighed.

Catches were occasionally sampled from purse seine gear in the Shumagin Islands Section. Immature salmon gilled in seine web were opportunisticly sampled. Since all catch sampling occurred before sorting within the fishing vessel and cannery, there was no preselection of immature salmon. Although not tested, each sample was assumed to be representative of the by-catch within the Shumagin Islands Section. While this insured that samples were randomly selected from each fishing vessel sampled, the samples may not be characteristic of the population structure because the distribution of the population is unknown in the fishery. Age was determined by examining scales. Length measurements were taken from mid-eye to the fork-of-the-tail. Sex compositions and sexual maturity were computed for each sample. Sex and sexual maturity was determined by internal observation of the gonads.

In 1992, ADF&G chartered purse seine vessels from July 10-29 to determine the abundance of immature salmon. Test fish results from the Shumagin Islands were used as an indication of the presence of immature salmon in the South Central, Southwestern, and Unimak Districts of the Alaska Peninsula Management Area. Portions of the South Central, Southwestern, and the Unimak District were closed, to purse seine gear at times due to the presence of immature salmon.

During the test fishery of July 10-11 and the commercial salmon period on July 13-14 immature salmon were not caught in sufficient numbers to warrant closure of any South Peninsula waters due to their presence (Table 64). Test fishing on July 15-17 resulted in substantial catches of immature salmon. ADF&G closed the Shumagin Islands Section and waters near Sanak Island (Unimak District) to purse seine gear during the next period of July 18-19 (Appendix B). After the July 18-19 period, fishermen also reported immature salmon in portions of the Southwestern District. Test fishing from July 19-22 resulted in continued large catches of immature salmon, although a trend of decreasing catches was occurring. During the next period of July 23-25, the

Shumagin Islands Section, all waters within one nautical mile of Poperechnoi Island, and the Sanak Island area were closed to purse seine gear. Test fishing from July 24-26 continued to indicate that immature salmon numbers were decreasing. Initially, during the July 27-29 period only gillnet gear was allowed in the Shumagin Islands Section, near Sanak Island, and within one nautical mile of Poperechnoi Island. Test fishing on July 27 resulted in less than 100 immature salmon caught per test set and those areas closed to seining were opened during the morning of July 28. ADF&G observations of the commercial catch on July 28 indicated an average catch of 176 immature salmon per set. The Shumagin Islands Section was again closed to purse seine gear on July 28. Test fishing on July 29 resulted in an average of 61 immatures per set and the Shumagin Islands Section was opened to commercial salmon fishing with purse seine gear on the afternoon of July 29. ADF&G observations of the seine fleet during the remainder of the fishing period indicated that the immature catch was acceptable.

The catch of immature salmon during the commercial salmon fishery for the rest of the fishing season was minor (probably averaging less than 1 immature salmon per set) and did not warrant further closures of South Peninsula waters to purse seine gear.

Test fish results indicated that from July 10-29, most of the immature salmon caught were sockeye salmon (46.8 to 92.9%; Table 64). Chum salmon produced most (5.1% to 44.2%) of the remaining immature salmon catch. The estimated age composition of immature chinook salmon was 100.0% age 1.1 and the male to female ratio was 1.6 : 1.0 (Tables 65 and 66). The estimated age composition of immature sockeye salmon was 16.1% age 1.1 and 77.6% age 2.1 and the male to female ratio was 1.7 : 1.0 (Tables 67 and 68). The estimated age composition of immature chum salmon was 94.3% age 0.2 and the male to female ratio was 0.9 :1.0 (Tables 69 and 70).

Closure of the Shumagin Islands Section impacted about 40 to 50 purse seine permit holders and the vessels crew members, while the Otter Cove and Sanak Island Sections impacted about 9 purse seine permit holders and the vessels crews. In the Alaska Peninsula Management Area about 50% of the purse seine fishermen remained in port, and the remainder fished open areas.

Southeastern District Mainland Fishery (SEDM)

Introduction

Although the SEDM fishery typically occurs from mid-June through mid-September the discussion of this fishery is included in the post June fisheries section of this report because most of the fishery occurs post June (Figures 4-6). The SEDM fishery is unique in many respects to other fisheries and has a management plan separate from the balance of the Alaska Peninsula (The Southeastern District Salmon Management Plan, Appendix A, 5 AAC 09.360).

Tables 71-83 contain data regarding the Southeastern District Mainland fishery.

The Southeastern District Salmon Management Plan covers the time period from June 1 (the beginning of the salmon season) through July 25 for fishing activity in the SEDM area of the Southeastern District (McCullough and Stopha 1992). This plan allocates a percentage of the Chignik sockeye salmon harvest in the SEDM fishery to Alaska Peninsula and Aleutian Islands Area M limited entry permit holders when specific biological and harvest criteria are met in Chignik. After July 25, when the management plan is no longer in effect, fishing periods through August are based on pink and chum salmon runs, while in September and October they are based on pink, chum, and coho salmon runs. The earliest date of the first landing from 1970-92 occurred on June 4, 1984 and the latest date of the last landing occurred on October 9, 1987.

The Southeastern District Mainland fishery includes Beaver Bay, Balboa Bay, Southwest Stepovak, Northwest Stepovak, Stepovak Flats, and East Stepovak Sections (Figure 5). Fishing effort during June and most of July is primarily targeted on Chignik destined sockeye salmon except in Orzinski Bay, where effort is targeted on the local Orzinski sockeye salmon run. Through July 25, the Southeastern District Salmon Management Plan is in effect (Appendix A). The management plan allocates seven percent of the total Chignik destined sockeye harvest to fishermen in the Southeastern District Mainland fishery. Besides the local sockeye salmon run at Orzinski Lake in the Northwest Stepovak Section there is an early July chum salmon run in the Stepovak Flats Section. Orzinski Bay and the Stepovak Flats Section are managed on a local stock basis throughout the season. After July 25, the entire area is managed for local stocks, primarily pink and chum salmon through August 31 and coho salmon in September.

During late-July through mid-August pink and chum salmon runs are peaking. The fishery is usually closed during mid-to-late-August to top off escapements and is opened again in September to harvest coho salmon. Sockeye salmon are moving through the area during the entire season.

Through July 25, as near as possible to seven percent of the total estimated Chignik destined sockeye catch is allowed to be taken in that portion of the Southeastern District Mainland located outside Orzinski Bay. However, if it appears that the Chignik Management Area sockeye catch will not reach 600,000 through July 25, then there will be no commercial fishery targeting Chignik sockeye in the Southeastern District Mainland or in the Cape Igvak Section of the Kodiak Management Area prior to July 26. No fishing targeting Chignik stocks in the Southeastern District Mainland or Cape Igvak fisheries is allowed until the run passing through those locations is assessed to be in excess of escapement requirements. The assessment is made by the Chignik Area Management Biologist.

The total Chignik destined sockeye catch is estimated by adding 80 percent of the Southeastern District Mainland (excluding the harvest in Orzinski Bay) catch to 80 percent of the Cape Igvak catch plus the entire Chignik Management Area sockeye catch.

The present management plan has evolved from allocation plans that were first used for the Southeastern District Mainland during the 1985 season. A similar plan has been used at Cape Igvak since 1978.

Historically, the Southeastern District Mainland fishery produced minor harvests. During 1974 through 1977, the fishery was open on a day to day basis with Chignik Lagoon. During some years, such as 1977 (when little fishing time was required to harvest large runs in Chignik Lagoon and daily interception rates in the Southeastern District Mainland area were low) the result was a disastrous season for Southeastern District Mainland fishermen.

For the 1978 season, the BOF allowed three fishing days per week in the Southeastern District Mainland fishery through July 10 and made set gillnets the only legal gear during that period. Interception rates were low despite strong Chignik runs and catches were poor for the few set gillnet fishermen in the Southeastern Mainland fishery. From 1970 through 1978, an average of 18 set gillnet permit holders participated in the fishery (Figure 31).

During the winter of 1978-79, the BOF increased fishing time to five days per week but specified that not more than 60,000 Chignik sockeye salmon could be taken through July 10. However,

the fishery could be closed if it became apparent that a closure was needed to assure the attainment of Chignik escapement requirements. Also, if the Chignik Management Area harvest exceeded 1,000,000 sockeye salmon before July 10, the Southeastern District Mainland fishery could continue beyond the 60,000 ceiling. This provision was a major reason for the record high harvest in 1984.

During 1979-82 Southeastern District Mainland fishers experienced good seasons even through closures were needed at times because of weak Chignik escapements. During this period, gear level increased to 31-41 (Figure 31).

In 1983, gear levels did not change drastically, but the fishery demonstrated an ability to catch large numbers of salmon during a short period of time when the July 7-8 total sockeye catch was about 49,000 salmon. The 1983 season was an outstanding one for Southeastern District Mainland fishermen with the season estimated interception of Chignik destined sockeye reaching 227,392 (Table 73). Most of the sockeye were taken between July 10 and August 10.

The 1984 season saw a dramatic increase of set gillnet gear, set gillnet permit holders totaled 57 (Figure 31). Several of the gillnet permit holders also held purse seine permits and fished gillnet gear only during part of the season. Consequently, there were about 43 full time set gillnet permit holders fishing. Due to the huge early Chignik run, the large number of these salmon available in the Southeastern District Mainland, and the large amount of gear, only six days were required to harvest 60,000 Chignik destined sockeye. However, the fishery was closed for only three days before the Chignik catch reached 1,000,000 salmon. The Southeastern District Mainland fishery was reopened on June 14 using the fishing periods listed in the regulation book (five days per week).

It was anticipated that the 1984 second Chignik sockeye run would be very strong. This later proved to be incorrect. The Chignik escapement goal was reached on the second run only after considerable curtailment of the Southeast Mainland, Chignik, and Cape Igvak (Kodiak Management Area) fisheries during mid-July. The 1984 Southeastern District Mainland interception of Chignik destined sockeye through July 25 was 423,068 salmon (Table 73).

The present management, described earlier, was adopted after the 1984 season. Since 1984, the management plan has remained the same, with two exceptions (after the 1991 season): 1) Orzinski Bay (instead of the entire Northwest Stepovak Section) is the only area managed for Orzinski sockeye salmon; and 2) the catch allocation of Chignik destined sockeye salmon has been increased from six to seven percent of the total Chignik catch.

The 1964-91 catch of Chignik destined sockeye salmon through July 25 has ranged from 4,485 salmon (0.88% of the total Chignik bound sockeye salmon catch) in 1984 to 423,068 salmon (12.64%) in 1984 (Table 75 and Figure 30). Both purse seine and set gillnet annual CFEC permits used in the fishery, as well as annual landings, have increased substantially since the early to mid-1970's (Figures 31 and 32). The 1983-92 annual CFEC permits used by purse seine permit holders average 28 and by set gillnet permit holders average 48. The 1983-92 annual purse seine landings average 63 and set gillnet landings average 604. Since 1970, the number of sockeye salmon caught by each gear type has varied considerably, the 1970-92 average catch by purse seine fishermen is 11.5% and by set gillnet fishermen is 88.5% (Figure 33).

Since 1985, when the original Southeastern District Management Plan was in effect, the harvest of Chignik destined sockeye salmon has ranged from 0.88% in 1989 to 8.88% in 1990 and averaged 6.4% (Tables 75 and 76). The 1988 and 1989 percentages were low due to the pre-July 26 Chignik Management Area sockeye harvest marginally reaching or failing to meet the 600,000 sockeye salmon harvest objective. In 1990, the catch of Chignik destined sockeye salmon through July 25 exceeded the six percent allocation because of large catches during the July 18-19 period, lower than anticipated harvests at Cape Igvak, and the difficulty of estimating the catching power of the fishing fleet, especially the purse seine fleet that has chilled fish tanks and hold fish for up to 48 hours before delivering.

In 1991, through July 25, the total sockeye salmon catch was 289,138. The estimated Chignik sockeye salmon contribution was 152,714 salmon (Table 75). This was the third largest catch of Chignik destined sockeye salmon on record. The large catch can be attributed to one of the largest early runs of Chignik sockeye salmon on record. The Southeastern District Mainland fishermen harvested about 6.3% of the total Chignik destined sockeye catch. The total catch in the Southeastern District Mainland fishery through July 25 was 328,624 salmon composed of 614 chinook, 289,727 sockeye, 1,386 coho, 24,788 pink, and 12,109 chum salmon (Shaul et al 1992). The catch in the Northwest Stepovak Section through July 25 was 98,834 salmon. Through 1991, sockeye caught in the Northwest Stepovak Section were considered to be local Orzinski salmon in accordance with the Southeastern District Management Plan.

In 1991, an additional 106,928 sockeye salmon were caught in the Southeast District Mainland (SEDM) between July 26 and September 13 (Shaul et al 1992). In 1991, the total catch for the Southeastern District Mainland fishery was 2,761,957 salmon consisting of 1,063 chinook, 396,655 sockeye, 50,102 coho, 2,119,216 pink, and 195,150 chum salmon.

In 1990, ADF&G installed a weir at Orzinski Lake (Shual et al 1991). Since 1990, the sockeye escapement goal of 20,000 salmon has been met or exceeded, except in 1990 when the escapement was 15,000 sockeye salmon (Table 77). Chum and pink salmon escapements were very good to excellent while coho salmon surveys are incomplete (Shaul et al 1992).

Southeastern District Mainland 1992 Summary

Harvest numbers in the text are preliminary numbers received inseason from tender reports which were used in the management of the fishery. Harvest numbers presented in tables are final, updated numbers from post season electronic fish ticket databases.

During November 1991, the BOF made changes to the Southeastern District Salmon Management Plan (ADF&G 1992 and McCullough and Stopha 1992). The major changes effecting the plan were: 1) the percentage of Chignik destined sockeye salmon permitted to be harvested in the SEDM was increased to seven percent, 2) the area where 80 percent of the sockeye salmon caught in the fishery are determined to be of Chignik origin was increased and now include the East Stepovak, Stepovak Flats, Northwest Stepovak (except Orzinski Bay; Figure 5), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and 3) 100 percent of the sockeye salmon caught in Orzinski Bay were determined to be local (Orzinski Lake) sockeye and would not be included in the allocation. All other provisions of the management plan remained the same as in prior years.

The BOF during the November 1991 meeting also impacted the Southeast District Mainland fishery by closing most of the South Peninsula outside of the Southeast District Mainland to commercial salmon fishing from July 1-20 (Stopha, McCullough and Shaul 1992). BOF discussion of the post June fisheries noted the unique nature of the SEDM fishery from the balance of the South Peninsula. The BOF allowed terminal chum and pink salmon areas to be opened where local July pink and chum salmon could be harvested (Zachary Bay in the Shumagin Islands Section). One impact of the BOF decision closing most of the South Peninsula from July 1-20, while leaving other limited areas open was a concentration of fishing gear from July 1-20 in any area open to commercial fishing.

The SEDM management plan (modeled after the Kodiak, Cape Igvak Management Plan 5 AAC 18.360) contains unique features not found in the Cape Igvak Management Plan (ADF&G 1992 and Stopha, McCullough and Shaul 1992). The Southeast District Mainland is open to set gillnet gear only through midnight July 10; after July 10 the fishery is open to both set gillnet and purse seine gear. ADF&G attempts to achieve a seven percent harvest of Chignik bound sockeye

salmon in the Southeast District Mainland at midnight July 10 as well as a seven percent harvest at the conclusion of the management plan, July 25. Also unique to the SEDM are provisions for harvesting local chum salmon runs in the Stepovak Flats Section and local sockeye salmon in Orzinski Bay (Figure 5). A weir was installed at the outlet of Orzinski Lake in 1990 for the purpose of managing the fishery in proximity to the lake. In 1990, below desired sockeye escapement kept most of the Northwest Stepovak Section closed, while in 1991 escapements provided fishing time in excess to the balance of the SEDM. In 1992, only Orzinski Bay was managed by sockeye escapement counts into the lake; interim escapement goals were exceeded and Orzinski Bay was open for continuous salmon fishing from July 6 through August 2 (Tables 72, 82 and 83).

On July 10, 1992, in Superior Court of the State of Alaska the BOF post June salmon management plan for the South Alaska Peninsula (5 AAC 09.366) was dismissed by Superior Court Judge Hopwood and South Alaska Peninsula management returned to pre-1992 objectives, with a general South Peninsula commercial fishing period on July 13. Because of BOF action, court decisions, the weak Chignik second sockeye salmon run, and the June 30 to July 9 closure of the SEDM during the Chignik first and second runs overlap period there were no fishing periods in the SEDM from July 1 to July 12 that would have concentrated gear beyond normal expected gear levels (Tables 71 and 72). The only abnormal concentration of gear occurred in Orzinski Bay where a larger than expected return of sockeye to Orzinski Lake occurred. The larger than expected return of sockeye to Orzinski Lake may have been due to cape fisheries in the Shumagin Islands Section being closed from July 1-13.

The 1992 pre-season forecast for the total harvest of Chignik bound sockeye salmon was 1,400,000 salmon for the first (Black Lake) run and 650,000 salmon for the second (Chignik Lake) run (Quimby and Owen 1992). The forecast indicated that a fishery would occur in the Southeast District Mainland targeting Chignik bound sockeye salmon because one of the conditions of the management plan, a harvest of at least 600,000 would occur in the Chignik Management Area was predicted to be met.

As of 12:01 am, June 17 the sockeye escapement in Chignik was 109,201 salmon. The initial opening of the Chignik Management Area sockeye salmon fishery was at 5:00 am, June 17 for 24 hours. In Chignik, as of 4:00 pm, June 17 the commercial sockeye salmon catch in the Chignik Management Area was an estimated 150,000 salmon, indicating that the run was about as strong as forecasted. The fishing period in Chignik was extended in the evening of June 17 for an additional 24 hours, until 5:00 am, June 19.

The initial opening of the Cape Igvak Section of the Kodiak Management Area was for 24 hours starting at 12:01 am on June 19.

The first Southeast District Mainland commercial salmon fishing period was for 24 hours from 8:00 am, June 19 through 8:00 am, June 20, except Orzinski Bay which remained closed because no sockeye salmon had passed through the weir. The first period catch totaled 60 chinook, 31,843 sockeye, 0 coho, 2 pink, and 934 chum salmon for a total of 32,839 salmon from 83 set gillnet deliveries. The Southeast District Mainland interception of Chignik bound sockeye salmon was estimated at 25,474 salmon or about 10.1% of the total (Kodiak, Chignik, and Alaska Peninsula Management Areas) Chignik destined sockeye salmon harvest to date.

By 10 pm, June 24 the total commercial sockeye salmon catch in the Chignik Management Area was an estimated 250,000 salmon and Chignik Bay, Central, and Eastern District of the Chignik Management Area were opened until further notice. By June 24, the sockeye run appeared either weaker than forecasted (1.4 million sockeye harvest forecasted) or was considered to be running late.

The first salmon (205;Table 83) passed the Orzinski Lake weir on June 25 and as of 12:01 am June 25, the sockeye escapement in Chignik was 351,477 salmon.

The second Southeast District Mainland commercial salmon fishing period was for 24 hours beginning at 5:00 pm, June 26. The reported June 26 catch was 8 chinook, 10,047 sockeye, 0 coho, and 406 chum for a total of 10,047 salmon from 15 set gillnet deliveries. The estimated interception of Chignik destined sockeye through June 26 was 33,512 salmon or about 7.3% of the total Chignik destined sockeye salmon. The Orzinski Lake sockeye escapement through June 27 was 501 salmon (Table 82). The reported June 27 catch was 37 chinook, 40,740 sockeye, 5 coho, 51 pink, and 1,824 chum for a total of 42,657 salmon from 89 set gillnet deliveries. The Southeast District Mainland total catch through June 27 was 105 chinook, 82,630 sockeye, 5 coho, 66 pink, and 3,164 chum salmon for a total of 85,970 salmon from 187 set gillnet deliveries. The estimated Southeast District Mainland interception of Chignik destined sockeye through June 27 was 66,104 salmon or about 11.07% of the total Chignik destined sockeye salmon harvest. This was the first time since the Southeast District Mainland management plan has been in effect that fishing targeting Chignik destined sockeye salmon had been allowed in the Southeast District Mainland during the overlap period of the first and second Chignik sockeye salmon runs.

A third fishing period of ten hour duration on June 29 during the overlap period was established when an evaluation of the Chignik first run indicated escapement goals would be met and Chignik and Kodiak Management Areas continued to fish. Orzinski Bay also opened to commercial salmon fishing, the sockeye escapement through June 28 was 1,756 salmon (Table 82). The SEDM catch thorough June 29 was: 136 chinook, 112,152 sockeye, 9 coho, 96 pink, and 4,071 chum salmon from 253 set gillnet deliveries. The estimated Southeast District Mainland interception of Chignik destined sockeye was 88,945 salmon, or about 11.5% of the total Chignik destined sockeye salmon harvest through June 30.

Due to a weak Chignik second run, the SEDM remained closed until July 25, (the end of the management plan), except for those areas where periods are established by local runs. Orzinski Lake sockeye interim escapement goals were exceeded and Orzinski Bay opened to continuous commercial fishing from July 6 to August 2, during most of this period closed waters at the terminus of Orzinski River was reduced to the ocean shoreline (Appendix B). The Stepovak Flats Section of the Southeast District Mainland also has fishing periods established on the basis of local chum salmon runs through July 25. Sockeye salmon harvested in the Stepovak Flats Section are apportioned as 80% Chignik destined and 20% other. The Stepovak Flats Section opened to commercial salmon fishing for 40 hours beginning on July 13. Other general South Peninsula fishing periods of 40 hours on July 18 and July 23 included the Stepovak Flats Section.

Through July 25 the salmon harvest in the Southeastern District Mainland was 252,317 salmon, comprised of 170 chinook, 215,444 sockeye, 135 coho, 15,939 pink, and 20,629 chum salmon (Table 71). Through July 25, Orzinski Bay contributed 98,138 sockeye salmon to the SEDM fishery (Table 72). The total Chignik sockeye salmon contribution to the SEDM through July 25 was 93,845 salmon of which set gillnet gear harvested 99.7% (Figure 33). SEDM fishers harvested 7.15% (93,845 salmon) of the Chignik destined sockeye salmon harvest, Chignik fishers harvested 81.25% (1,066,732 salmon), and Cape Igvak fishers harvested 11.60% (152,358 salmon (Tables 75 and 76).

Portions of the SEDM had several fishing periods concurrent with portions of the South Peninsula through August 13. The last period for Stepovak Flats occurred on July 27 through July 28, when the section was closed for the remainder of the salmon season by regulation (ADF&G 1992). The SEDM closed to commercial salmon fishing from August 14-31 to achieve late run pink and chum salmon escapements and early run coho salmon escapements.

The first post August (fall) fishery in the SEDM was from September 1-4. Catches were dominated by coho salmon with sockeye being the second most abundant species (Table 71).

Due to light effort and strong coho salmon catches the commercial fishing season was extended through October 30 with fishing periods being Monday through Friday.

October 6 was the last landing from the SEDM (Table 71). During the fall fishery (September 1 -October 6) the catch was 24,246 salmon comprised of 21 chinook, 9,080 sockeye, 12,513 coho, 338 pink, and 2,294 chum salmon (Table 71). The SEDM season total harvest was 1,484,106 salmon comprised of 631 chinook, 327,194 sockeye, 55,070 coho, 997,098 pink, and 104,757 chum salmon. Through October 6, Orzinski Bay contributed 105,050 sockeye salmon to the Southeast District Mainland fishery (Table 72). The Orzinski River sockeye salmon escapement was an estimated 25,000 salmon (Table 82). The Orzinski River escapement added with the Orzinski Bay catch indicates the total Orzinski Lake run in 1992 was 130,050 sockeye salmon (Table 77). The estimated age composition of the sockeye salmon escapement into Orzinski Lake was 23.8% age 1.2, 17.5% age 1.3, 22.4% age 2.2, and 30.3% age 2.3 (Table 81).

Assuming the Chignik contribution is 80% of the sockeye salmon harvested in the SEDM except for those salmon caught in Orzinski Bay the total Chignik sockeye salmon contribution to the Southeast District Mainland through the end of the season was estimated at 177,716 salmon. Set gillnet gear and purse seine gear were estimated to have harvested 80.7% and 19.3%, respectively, of the Chignik sockeye salmon in the Southeast District Mainland (Tables 74, 76, 78, and 80). For all sockeye salmon harvested in the SEDM (327,194 salmon) set gillnet gear harvested 86.8% and purse seine gear 13.2% (Table 80).

Shumagin Islands Section 1992 Summary

As discussed in earlier sections of this report, the BOF July 1-20 closure of most of the South Peninsula was over ruled by an injunction in Superior Court by Judge Hopwood. On July 10, ADF&G was directed by the court to establish commercial salmon fishing periods as in prior years. Test fishing prior to the July 13 opening indicated that immature salmon were not a concern (July 10 average immature per set was 58, July 11 average immature per set was 70). Accordingly, the first post June period was July 13-14, prior to July 13 only Zachary Bay in the Shumagin Islands Section had been open to commercial fishing. Both purse seine and set gillnet fishers participated in the opening (Table 64).

As discussed in the 1992 Immature Salmon Concerns Section of this report, immature salmon became a problem in the Shumagin Islands Section by July 15 (July 15 average immature per set was 301) and during subsequent fishing periods from July 17-28 only set gillnet gear was allowed. Test fishing on July 27 resulted in 92 immature salmon per set and purse seine gear

was allowed in those portions of the South Peninsula previously closed to seining due to the presence of immature salmon. ADF&G monitored the Shumagin Islands Section commercial fishery during the morning of July 28 and noted that the catch of immature salmon had increased to more than 100 immature salmon per set and purse seining was again closed in the Shumagin Islands Section (Appendix B). Test fishing continued and, by July 29, the catch of immature salmon had decreased to an acceptable level and purse seining was again allowed in all areas previously closed to seining due to the presence of immature salmon.

During August pink and chum salmon dominated the harvest (Figures 23 and 24). Commercial salmon fishing continued through August 22 when the Shumagin Islands Section was closed to achieve late run pink and chum salmon escapements and early run coho escapements.

The first post August (fall) fishery in the Shumagin Islands Section was during September 1-4. Catches were dominated by coho salmon with sockeye being the second most abundant species. Due to light effort and relatively strong coho salmon catches for early September, the commercial fishing season was extended through October 30, with fishing periods being Mondays through Fridays. The last landing occurred on September 25.

The post June Shumagin Islands Section total salmon harvest was 3,024,187 salmon comprised of 2,750 chinook, 252,526 sockeye, 233,709 coho, 2,296,809 pink, and 238,393 chum salmon (Table 87). During the fall fishery (September 1-25) the Shumagin Islands harvest was 20,375 salmon comprised of 37 chinook, 3,966 sockeye, 14,187 coho, 1,187 pink, and 998 chum salmon.

Post June annual CFEC permits in use and number of landings for both purse seine and set gillnet gear has increased in the Shumagin Islands Section since the early and mid-1970's. The 1983-92 average annual purse seine CFEC permits used was 72 and for set gillnet gear was 45 (Figure 26). The 1983-92 average annual number of landings by gear type was 716 for purse seine gear and 585 for set gillnet gear (Figure 27). The post June sockeye salmon catch by gear indicates an increasing harvest trend by set gillnet fishers with a corresponding decrease in the catch by purse seine fishers (Figure 28). Some of the increased sockeye salmon catch by gillnet fishers is the result of the Shumagin Islands being closed during part of July 1989-92 due to the presence of immature salmon. Catch statistics also indicate an increasing catch of coho salmon by set gillnet fishers, but the 1983-92 average post June coho salmon catch is dominated by purse seine fishers that have averaged 94.8% of the coho salmon harvest (Figure 29).

Southeastern District Summary

Post June catches of all species in the Southeastern District have increased since 1977 and averaged 4,021,004 salmon from 1983-92. Most of the increased catch is a result of strong pink salmon returns since 1977 (Table 84). The Southeastern District post June 1992 salmon harvest was 4,394,305 fish comprised of 3,248 (0.07%) chinook, 469,388 (10.68%) sockeye, 288,768 (6.57%) coho, 3,293,819 (74.96%) pink, and 339,082 (7.72%) chum salmon. During the fall fishery (September 1 - October 6) the Southeastern District harvest was 44,621 salmon comprised of 58 chinook, 13,046 sockeye, 26,700 coho, 1,525 pink, and 3,292 chum salmon. In 1992, most salmon except for sockeye salmon were harvested by purse seine fishers. In the Southeastern District, not counting test fishing landings, set gillnet fishers accounted for 1,858 (71.05%) landings as compared to 757 (28.95%) purse seine landings.

The Southeastern District estimated total escapement was 27,375 sockeye, 650 coho, 1,252,660 pink, and 224,399 chum salmon (Table 44; coho data are incomplete). The 1992 estimated escapements approximate the 1986-91 average estimated escapements of 28,252 sockeye, 10,190 coho, 844,406 pink, and 145,110 chum salmon (Murphy 1992). The indexed total escapement was 26,700 sockeye, 924,800 pink, and 83,500 chum (Tables 45-47). The indexed chum salmon escapement may be low due a lack of late season aerial surveys. Chum salmon escapements were spotty, some systems had good escapements while others were poor. Pink salmon escapements were good throughout the district. Sockeye escapements were also spotty, Orzinski Lake exceeded escapement goals while Acheredin Lakes' indexed sockeye escapement of 800 salmon was well below the goal of 5,800 to 11,600 salmon (Table 43). Estimated ages of the catches by fishery and species will be presented in Murphy (*in press*).

McGinty Point to Moss Cape Summary

Post June catches of all species in the McGinty Point to Moss Cape area (Figure 14) have increased substantially since 1975 and averaged 2,057,658 salmon from 1983-92 (Table 88). Most of the increased catch is the result of strong pink salmon returns since 1975. The McGinty Point to Moss Cape post June 1992 salmon harvest was 3,877,895 fish comprised of 755 (0.02%) chinook, 273,637 (7.06%) sockeye, 40,134 (1.03%) coho, 3,166,208 (81.65%) pink, and 397,161 (10.24%) chum salmon. In 1992, only 58 set gillnet landings (1.03% of all landings) occurred in the area, as compared with 699 purse seine landings (98.97%; Tables 89 and 90).

The McGinty Point to Moss Cape (McGinty Point through Nikolaski Spit and Dolgoi Island streams) estimated total escapement was 4,163 sockeye, 895,673 pink, and 170,142 chum salmon,

(Tables 43 and 44; coho data are incomplete). Indexed total escapements were 3,600 sockeye, 1,001,600 pink, and 142,700 chum salmon (Tables 45-47). Indexed pink escapements were strong throughout the area. Indexed chum escapements were spotty with an excellent escapement into Canoe Bay (98,500 salmon), fair escapements into Northwestern Pavlof Bay systems (10,000 salmon), fair escapements into Volcano Bay systems (32,100 salmon), and a poor escapement into Long John Lagoon (2,000 salmon). Estimated ages of the catches by fishery and species will be presented in Murphy (*in press*).

Belkofski to Kenmore Head Summary

Post June catches of all species in the Belkofski to Kenmore Head area (Figure 14) have increased since 1977, but have consistently averaged more than one million salmon only since 1988 (Table 91). The harvest in the Belkofski to Kenmore Head area has averaged 1,345,648 salmon from 1983-92. The 1992 post June salmon harvest was 2,618,015 fish comprised of 59 (0.0%) chinook, 70,369 (2.69%) sockeye, 14,794 (0.57%) coho, 2,428,144 (92.75%) pink, and 104,649 (4.0%) chum salmon. In 1992, there were 156 set gillnet landings (29.66% of all landings) and 370 purse seine landings (70.34%, Tables 92 and 93).

The Belkofski to Kenmore Head (Belkofski Village Creek through Charlie Hansen's Creek streams) estimated total escapement was 82,480 sockeye, 41,040 coho, 1,097,083 pink, and 130,413 chum salmon, (coho data are incomplete, Tables 43 and 44). Indexed total escapements were 56,200 sockeye, 707,800 pink, and 108,400 chum salmon (Tables 45-47). Indexed sockeye escapements were good. Indexed pink escapements were excellent throughout the area except for the Cold Bay Section where pink escapements were only fair. Indexed chum escapements were spotty. Estimated ages of the catches by fishery and species will be presented in Murphy (*in press*).

Kenmore Head to Scotch Cap Summary

Post June catches of all species in the Belkofski to Kenmore Head area (Figure 14) have increased since 1982 and have averaged 307,792 from 1983-92 (Table 94). The 1992 post June salmon harvest was 416,497 fish comprised of: 71 (0.02%) chinook, 59,513 (14.29%) sockeye, 74,521 (17.89%) coho, 238,779 (57.33%) pink, and 43,613 (10.47%) chum salmon. In 1992, there were 72 set gillnet landings (17.18% of all landings), 35 purse seine landings (8.35%), and 312 drift gillnet landings (74.46%; Tables 95-97).

The Kenmore Head to Scotch Cap (Deadman's Cove Creek through Lazaref River and Sanak Island streams) estimated total escapement was 6,400 sockeye, 243,060 pink, and 1,020 chum salmon, (Tables 43 and 44; coho data are incomplete). Indexed total escapements were 11,00 sockeye, 200,200 pink, and 900 chum salmon (Tables 45-47). Due to limited surveys the sockeye salmon indexed escapement is probably low. Estimated ages of the catches by fishery and species will be presented in Murphy (*in press*).

South Peninsula Post June Summary

Since 1970, post June catches of all species in the South Peninsula have ranged from 88,838 salmon in 1975 to 12,748,353 in 1984 and averaged 7,755,565 salmon from 1983-92 (Table 93). Catches have been more than one million salmon since 1970 except for years 1972-75. The 1992 post June salmon harvest was 11,306,712 fish comprised of: 4,133 (0.04%) chinook, 872,907 (7.72%) sockeye, 418,217 (3.70%) coho, 9,126,950 (80.72%) pink, and 884,505 (7.82%) chum salmon. In 1992, there were 2,144 set gillnet landings (49.66% of all landings), 1,861 purse seine landings (43.11%), and 312 drift gillnet landings (7.23%; Tables 99-101).

The 1992 South Peninsula indexed total escapement was 3,267,500 salmon comprised of: 97,600 sockeye, 2,834,400 pink, and 335,500 chum salmon (Tables 45-47). No chinook spawn in South Peninsula waters and total coho salmon escapement data are not collected annually. The sockeye indexed escapement was the second largest since at least 1962, exceeded only by the 1991 escapement. The pink salmon escapement was the third largest since 1962, being exceeded only by the 1984 and 1991 escapements. The chum indexed escapement was well below the previous 10 year average of 456,400 salmon. Using the indexed total escapement and only post June salmon catches, the South Peninsula pink salmon run was estimated as 12,103,600 salmon and the chum salmon run was estimated as 1,226,100 salmon (Tables 41 and 46). The 1992 indexed total sockeye salmon escapement was about 31,000 salmon greater than the 1982-91 average of 67,000 salmon (Table 45). Orzinski and Thin Point Lakes were the primary production areas of local sockeye stocks. Although complete coho salmon escapement data were not collected in 1992, 15,000 coho salmon were observed in Thin Point Lagoon, an unusually high escapement for that system (Table 43). The 1992 indexed total escapement of pink salmon was about 351,000 salmon more than the 1980-90 even year average of 2,483,000 salmon. Except for isolated locations, excellent pink salmon escapements were attained throughout the South Peninsula streams. The 1992 indexed total chum salmon escapement was about 160,000 salmon less than the 1982-91 average of 495,000 salmon. Escapements were spotty and ranged from poor to excellent. When large pink salmon runs occur the intensive effort usually causes chum salmon stocks to be over harvested where the species mix.

Using expansion factors for sockeye and coho salmon and the area-under-the-curve method (Johnson and Barrett 1988) to determine pink and chum salmon escapements, the South Peninsula estimated total escapement was 120,418 sockeye, 41,690 coho, 3,488,476 pink, and 525,974 chum salmon (Tables 43 and 44; coho escapement data is incomplete due to the late timing of the runs). The 1992 estimated total sockeye escapement was about 17,000 salmon greater than the 1986-91 average of 103,978 salmon (Murphy 1992). The estimated total pink salmon escapement was about 856,000 salmon greater than the 1986-91 average (2,632,554 salmon) and the chum salmon estimate was about 28,000 salmon less than the average (553,893).

ALEUTIAN ISLANDS AND ATKA-AMLIA MANAGEMENT AREAS

Introduction

The Aleutian Islands Area produces runs of sockeye, coho, pink, and chum salmon. However, only pink salmon have proven to be of major commercial importance. The following islands produce large pink salmon runs during some years: Unalaska; Atka; Umnak; Adak; Amlia; and Attu. Tanaga, Kanaga, and Kiska Islands all have at least one important pink salmon stream. Except for occasional fishing on Umnak Island during the early 1960's and, probably, the 1950's, and Attu in 1963, all commercial effort has been confined to Unalaska Island.

Aleutian Islands pink salmon runs tend to be much larger during the even year cycle (Table 1). Unalaska Bay has a history of producing large runs during both odd and even years. The record Aleutian pink salmon catch was approximately 2.6 million fish during 1980 (roughly 2 million were taken out of Makushin Bay alone). Pink salmon runs are very unstable in the Aleutians. They produce legendary high returns at times and then collapse for no apparent reason.
Aleutian pink and sockeye salmon tend to be of smaller size at a given age than those of Alaska Peninsula stocks.

Prior to 1979, markets were a limiting factor at Unalaska. There was often no market unless pink salmon abundance warranted sending tenders from False Pass or King Cove. Some fish (usually sockeye salmon) were salted by the fishermen. From 1979 to the present, most fish have been processed by buyers at Unalaska-Dutch Harbor or Akutan.

A total of 13 sockeye, 14 coho, 103 pink and 8 chum salmon producing streams have been identified on Atka and Amlia Islands (Murphy 1992). In the Aleutian Islands, not including

Atka, Amlia, and Unimak islands, a total of 32 sockeye, 21 coho, 216 pink, and 3 chum salmon producing streams have been identified (Murphy 1992).

Unalaska pink salmon runs seem to arrive about the same time as those of the South Peninsula. However there is considerable variation from year to year as to when pink salmon enter Unalaska streams as well as timing between various streams. This is a different situation than found on the South Peninsula where pink salmon entry into streams is less variable. During large runs Unalaska pink salmon may trickle in throughout September.

During the winter of 1991-92, the BOF created the Atka-Amlia Islands Area which is open to entry for set gillnet gear. Alaska Peninsula-Aleutian Islands (Area M) seiners may still seine for salmon in the Atka-Amlia Islands Area, although there is no record of seining at Atka and Amlia. The regulations are listed in Appendix A. A separate detailed management report concerning the Atka-Amlia Management Area will be authored by Holmes and Campbell (*in press*).

Aleutian Islands 1992 Summary

In 1992, the Unalaska salmon harvest totaled 3,082 sockeye salmon, 312,072 pink salmon and 1,230 chum salmon (Table 2). The entire harvest came from the Makushin Bay Section, with only four vessels participating. Pink salmon escapements were generally poor in Unalaska Bay. Makushin Bay escapements were fair. Pink salmon escapements into Iliulik Creek (Town Creek at Unalaska) and the Kashega system were good while those of non lake systems were poor or fair (Tables 101 and 103).

As was the case with much of Unalaska Islands pink salmon runs, those of the Atka-Amlia Islands Area were disappointing (Tables 104 and 105). Escapements of pink salmon were poor compared to those observed on Atka Island during the 1982 Aleutian Islands survey. The Atka-Amlia harvest (all by set gillnet) totaled 231 sockeye, 42 coho, 7,972 pink and 308 chum salmon (Table 2). Thirteen units of set gillnet gear operated at Atka during 1992. All fishermen were local or from the Pribilof Islands. Nearly all of the harvest came from locations close to Atka village.

In order to give fishers a better opportunity to harvest pink salmon in remote locations, continuous fishing time was allowed outside of Nazan Bay and Korovinski Lagoon during August 17-31 (Appendix B.2). Also, effective 12:01 a.m. August 17, the closed waters in the northwestern stream in Nazan Bay was expanded to 1,000 yards from the stream terminus. Atka

fishermen have small skiffs and no tender service. Consequently, in view of the often high winds and dangerous tide conditions, virtually no catches were reported from remote locations.

SUBSISTENCE SALMON FISHERIES

Subsistence salmon catches are estimated from permit return information. Information from returned permits are used to extrapolate catches for all permits issued. There are undoubtedly many fish kept from commercial catches that are not reported. Permits are not required to subsistence fish in the Akutan and Umnak Districts; consequently no catch estimates are made by the Commercial Fisheries Division for those districts.

Subsistence salmon fishing is not allowed in the Adak District. However a personal use salmon fishery is allowed on Adak and Kagalaska Islands for Alaska residents and military personnel (and their dependents) who have been stationed in Alaska for the preceding 12 months.

Subsistence and personal use catch information is presented in Tables 106-115.

The subsistence salmon harvest in the Alaska Peninsula and Unalaska Island communities continues to gradually increase (Table 106). Alaska Peninsula data collected since 1985, indicates that the 1985-91 average catch of 14,595 salmon is mostly sockeye (6,584) and coho (4,580) salmon. In 1992, the Alaska Peninsula sockeye salmon catch was almost 2,000 salmon less than the 1991 harvest, but was about 1,400 salmon more than the 1985-91 average. In the Unalaska area the number of permits issued and the catch of sockeye and pink salmon continues to increase. In 1992, 144 permits were issued in the Unalaska area almost as many as the 176 permits issued in the Alaska Peninsula area.

The Mortensens Lagoon subsistence fishery seems to be attracting more out of area Alaska residents (primarily from Anchorage and the Matanuska-Susitna Valley) each year. In 1992, 18 of the 34 permits issued were to out of area residents (Table 109).

The Adak-Kagalaska Islands personel use salmon harvest primarily consists of sockeye taken at Quail Bay on Kagalaska Island and Hidden Bay on the south side of Adak Island. A few pink and coho salmon are harvested on the north side of Adak Island. In 1992, the estimated Adak-Kagalaska harvest was 572 sockeye, 30 coho, and 4 pink salmon (Table 114).

MISCELLANEOUS ACTIVITY OR OBSERVATIONS

In 1992, Russell Creek Hatchery did not operate. All ADF&G personnel were transferred to other locations or terminated. The Aleutians East Borough hired Bill Ambridge, former ADF&G maintenance man to be caretaker of the hatchery during the winter of 1992-93. It is not known at this time whether the Aleutians East Borough or any other organization will operate the hatchery in the future.

Dexter Lall, who was the Alaska Peninsula and Aleutian Islands Areas Management Biologist during 1960-61, retired in December 1992 from his position as plant manager of Peter Pan Seafoods, Inc. at Port Moller. Mr. Lall was plant manager at Port Moller during 1981-92.

Denby Lloyd resigned his position as Director of the Commercial Fisheries Division to become Resource Specialist for the Aleutians East Borough.

A new dock was constructed at False Pass and the state ferry is scheduled to add False Pass to their ports of call in 1993.

The Stellers sea lion population in the Bering Sea and Western Gulf of Alaska continues to decline. The fur seal and harbor seal populations also are declining in the Bering Sea and Western Gulf.

The lower Alaska Peninsula and Unimak caribou herds still remain at low levels. The upper Alaska Peninsula herd is stable at a healthy level.

Willow ptarmigan were abundant in the vicinity of Cold Bay and appeared to be at the highest level since at least 1979. However, the ptarmigan population at Port Moller and Sand Point apparently declined substantially from the 1991 level.

Crowberries and strawberries were abundant at Cold Bay during 1992. Salmon berries and blue berries were moderately abundant. Salmon berries were reported to be scarce in Sand Point and other locations.

Construction continued on the new Sand Point runway.

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Table 1. Alaska Peninsula-Aleutian Islands salmon catches by year, for the South Peninsula, North Peninsula, Aleutian Islands, and Atka-Amlia areas, 1906-1992.

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1906	South Peninsula	0	0	0	0	0	0
	North Peninsula	1,500	135,000	0	0	0	136,500
	Aleutians	0	0	0	0	0	0
	Total	1,500	135,000	0	0	0	136,500
1907	South Peninsula	0	0	0	0	0	0
	North Peninsula	1,700	66,500	3,200	1,500	0	72,900
	Aleutians	0	0	0	0	0	0
	Total	1,700	66,500	3,200	1,500	0	72,900
1908	South Peninsula	0	69,400	0	0	0	69,400
	North Peninsula	1,500	166,900	0	0	0	168,400
	Aleutians	0	0	0	0	0	0
	Total	1,500	236,300	0	0	0	237,800
1909	South Peninsula	0	108,400	7,200	0	0	115,600
	North Peninsula	1,500	143,000	0	0	1,000	145,500
	Aleutians	0	0	0	0	0	0
	Total	1,500	251,400	7,200	0	1,000	261,100
1910	South Peninsula	0	46,300	5,500	0	0	51,800
	North Peninsula	0	0	0	0	0	0
	Aleutians	0	0	0	0	0	0
	Total	0	46,300	5,500	0	0	51,800
1911	South Peninsula	0	240,800	12,400	25,200	83,000	361,400
	North Peninsula	0	129,600	0	0	0	129,600
	Aleutians	0	9,300	0	0	0	9,300
	Total	0	379,700	12,400	25,200	83,000	500,300
1912	South Peninsula	0	334,400	27,000	40,400	195,000	596,800
	North Peninsula	900	252,700	11,000	0	2,400	267,000
	Aleutians	0	0	0	0	0	0
	Total	900	587,100	38,000	40,400	195,000	863,800
1913	South Peninsula	1,800	299,700	0	0	7,000	308,500
	North Peninsula	600	888,800	18,700	0	2,000	910,100
	Aleutians	0	0	0	0	0	0
	Total	2,400	1,188,500	18,700	0	9,000	1,218,600
1914	South Peninsula	600	628,900	0	311,000	221,100	1,171,500
	North Peninsula	8,100	1,325,100	0	0	0	1,333,200
	Aleutians	0	0	0	0	0	0
	Total	8,700	1,954,000	9,900	311,000	221,100	2,504,700
1915	South Peninsula	4,800	367,900	16,200	120,100	333,100	842,100
	North Peninsula	14,000	1,974,300	0	0	54,800	2,043,100
	Aleutians	0	0	0	0	0	0
	Total	18,800	2,342,200	16,200	120,100	387,900	2,885,200
1916	South Peninsula	6,800	730,900	34,100	576,100	508,900	1,856,800
	North Peninsula	44,200	1,974,700	0	2,600	191,400	2,212,900
	Aleutians	0	76,500	1,200	180,300	100	258,100
	Total	51,000	2,782,100	35,300	759,000	700,400	4,327,800

-Continued-

Table 1. (page 2 of 8)

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1917	South Peninsula	6,400	1,486,100	4,600	72,100	415,500	1,984,700
	North Peninsula	20,000	679,600	6,800	600	90,300	797,300
	Aleutians	0	70,400	3,800	600	23,100	97,900
	Total	26,400	2,236,100	15,200	73,300	528,900	2,879,900
1918	South Peninsula	8,700	1,014,100	16,300	2,150,000	1,501,000	4,690,900
	North Peninsula	9,700	1,208,500	0	1,200	252,300	1,471,700
	Aleutians	0	55,200	4,400	75,600	135,200	270,400
	Total	18,400	2,277,800	20,700	2,227,600	1,888,500	6,433,000
1919	South Peninsula	9,600	619,100	56,100	80,200	921,400	1,686,400
	North Peninsula	19,600	389,200	0	12,000	143,500	564,300
	Aleutians	0	3,900	800	4,000	0	8,700
	Total	29,200	1,012,200	56,900	96,200	1,064,900	2,259,400
1920	South Peninsula	7,800	1,142,300	47,700	2,109,800	934,000	4,241,600
	North Peninsula	19,000	1,371,900	0	0	37,000	1,427,900
	Aleutians	0	10,100	2,800	0	0	12,900
	Total	26,800	2,524,300	50,500	2,109,800	971,000	5,682,400
1921	South Peninsula	700	830,700	1,500	47,300	84,600	964,800
	North Peninsula	12,500	1,746,500	0	0	32,800	1,791,800
	Aleutians	0	0	0	0	0	0
	Total	13,200	2,577,200	1,500	47,300	117,400	2,756,600
1922	South Peninsula	6,900	3,376,800	2,200	756,700	349,300	4,491,900
	North Peninsula	10,400	667,900	0	0	42,900	721,200
	Aleutians	0	14,000	0	0	0	14,000
	Total	17,300	4,058,700	2,200	756,700	392,200	5,227,100
1923	South Peninsula	4,100	1,827,200	75,300	143,600	538,900	2,589,100
	North Peninsula	9,100	731,700	100	0	25,800	766,700
	Aleutians	0	0	0	0	0	0
	Total	13,200	2,558,900	75,400	143,600	564,700	3,355,800
1924	South Peninsula	3,900	1,352,000	127,300	3,931,300	1,330,700	6,745,200
	North Peninsula	10,500	701,700	0	0	48,400	760,600
	Aleutians	0	24,900	0	673,800	100	698,800
	Total	14,400	2,078,600	127,300	4,605,100	1,379,200	8,204,600
1925	South Peninsula	10,700	820,500	127,100	382,100	1,116,800	2,457,200
	North Peninsula	10,600	400,200	0	0	53,900	464,700
	Aleutians	0	18,600	0	3,800	9,100	31,500
	Total	21,300	1,239,300	127,100	385,900	1,179,800	2,953,400
1926	South Peninsula	9,500	3,071,500	193,800	3,719,700	1,179,800	8,174,300
	North Peninsula	23,900	672,900	0	0	71,500	768,300
	Aleutians	0	1,300	0	521,700	7,800	530,800
	Total	33,400	3,745,700	193,800	4,241,400	1,259,100	9,473,400
1927	South Peninsula	9,600	714,700	125,300	1,455,500	1,299,700	3,604,800
	North Peninsula	16,500	230,600	100	0	87,000	334,200
	Aleutians	0	17,300	0	334,600	0	351,900
	Total	26,100	962,600	125,400	1,790,100	1,386,700	4,290,900

-Continued-

Table 1. (page 3 of 8)

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1928	S.Pen & Aleutian	7,700	971,500	96,600	900,900	2,416,300	4,393,000
	North Peninsula	4,600	855,600	0	0	83,500	943,700
	Total	12,300	1,827,100	96,600	900,900	2,499,800	5,336,700
1929	S.Pen & Aleutian	10,500	935,800	84,500	1,793,500	2,429,000	5,253,300
	North Peninsula	4,100	878,000	0	0	145,200	1,027,300
	Total	14,600	1,813,800	84,500	1,793,500	2,574,200	6,280,600
1930	S.Pen & Aleutian	10,900	935,200	161,100	6,094,800	1,278,100	8,480,100
	North Peninsula	3,800	167,700	0	0	93,400	265,200
	Total	14,700	1,102,900	161,100	6,094,800	1,371,800	8,745,300
1931	S.Pen & Aleutian	11,000	1,863,200	128,700	997,900	1,216,000	4,211,800
	North Peninsula	1,300	761,000	0	0	54,900	817,200
	Total	12,300	2,624,200	128,700	997,900	1,265,900	5,029,000
1932	S.Pen & Aleutian	17,400	2,977,300	112,300	3,604,800	817,300	7,529,100
	North Peninsula	3,200	977,100	0	0	56,300	1,036,600
	Total	20,600	3,954,400	112,300	3,604,800	873,600	8,565,700
1933	S.Pen & Aleutian	12,600	1,996,700	190,000	3,109,200	1,173,900	6,482,400
	North Peninsula	1,100	350,100	0	0	16,000	367,200
	Total	13,700	2,346,800	190,000	3,109,200	1,189,900	6,849,600
1934	S.Pen & Aleutian	17,600	1,372,400	247,100	6,538,500	1,940,300	10,115,900
	North Peninsula	1,600	1,091,300	0	400	13,000	1,106,300
	Total	19,200	2,464,700	247,100	6,538,900	1,953,300	11,222,200
1935	S.Pen & Aleutian	13,900	978,400	117,200	5,386,200	2,003,100	8,498,800
	North Peninsula	1,000	479,200	0	100	33,800	514,100
	Total	14,900	1,457,600	117,200	5,386,300	2,036,300	9,012,900
1936	S.Pen & Aleutian	14,400	3,662,600	284,600	9,471,000	2,310,900	15,743,500
	North Peninsula	1,000	610,700	0	2,800	19,000	633,500
	Total	15,400	4,273,300	284,600	9,473,800	2,329,900	16,377,000
1937	S.Pen & Aleutian	9,300	1,558,000	73,900	9,302,000	1,506,700	12,449,900
	North Peninsula	1,600	860,900	0	100	65,600	928,200
	Total	10,900	2,418,900	73,900	9,302,100	1,572,300	13,378,100
1938	S.Pen & Aleutian	6,400	772,100	220,700	7,169,100	1,476,600	9,644,900
	North Peninsula	5,900	1,009,600	0	0	34,700	1,050,200
	Total	12,300	1,781,700	220,700	7,169,100	1,511,300	10,695,100
1939	S.Pen & Aleutian	16,500	1,881,700	98,900	6,005,300	1,440,600	9,443,000
	North Peninsula	3,900	746,200	0	0	82,200	882,300
	Total	20,400	2,527,900	98,900	6,005,300	1,522,800	10,275,300
1940	S.Pen & Aleutian	9,100	1,040,300	184,200	7,182,800	2,326,300	10,472,700
	North Peninsula	700	678,900	0	0	65,600	745,200
	Total	9,800	1,719,200	184,200	7,182,800	2,391,900	11,487,900
1941	S.Pen & Aleutian	13,000	1,072,000	183,000	5,347,000	1,542,000	8,157,800
	North Peninsula	700	491,700	0	3,200	30,200	525,800
	Total	13,700	1,563,700	183,000	5,350,200	1,572,200	8,682,800

-Continued-

Table 1. (page 4 of 8)

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1942	S.Pen & Aleutian	4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
	North Peninsula	0	0	0	0	0	0
	Total	4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
1943	S.Pen & Aleutian	21,700	2,397,700	90,600	4,360,200	924,500	7,794,700
	North Peninsula	200	567,400	0	1,300	50,400	619,300
	Total	21,900	2,965,100	90,600	4,361,500	974,900	8,414,000
1944	S.Pen & Aleutian	9,900	538,600	238,700	2,653,800	985,600	4,426,600
	North Peninsula	100	414,700	0	2,600	157,900	575,300
	Total	10,000	953,300	238,700	2,656,400	1,143,500	5,001,900
1945	S.Pen & Aleutian	21,400	813,400	116,100	3,639,600	948,900	5,539,400
	North Peninsula	100	394,400	0	2,500	335,100	732,100
	Total	21,500	1,207,800	116,100	3,642,100	1,284,000	6,271,500
1946	S.Pen & Aleutian	6,100	752,300	151,400	1,964,000	1,219,900	4,093,700
	North Peninsula	2,500	697,700	300	0	36,000	736,500
	Total	8,600	1,450,000	151,700	1,964,000	1,255,900	4,830,200
1947	S.Pen & Aleutian	3,400	1,137,100	55,800	2,319,600	1,219,200	4,735,100
	North Peninsula	100	357,700	100	100	75,000	433,000
	Total	3,500	1,491,800	55,900	2,319,700	1,294,200	5,168,100
1948	S.Pen & Aleutian	1,200	285,900	39,200	1,683,700	1,139,600	3,149,600
	North Peninsula	1,200	477,600	17,200	0	161,700	658,700
	Total	3,400	763,500	56,400	1,683,700	1,301,300	3,808,300
1949	S.Pen & Aleutian	3,800	637,500	19,500	1,544,000	560,900	2,765,700
	North Peninsula	700	137,100	25,700	0	40,700	204,200
	Total	4,500	774,600	45,200	1,544,000	601,600	2,969,900
1950	S.Pen & Aleutian	4,000	1,745,300	70,700	1,613,700	562,500	3,996,200
	North Peninsula	1,100	127,800	37,800	0	217,600	284,300
	Total	5,100	1,873,100	108,500	1,613,700	780,100	4,380,500
1951	South Peninsula	1,500	264,200	55,700	2,844,800	683,100	3,849,300
	North Peninsula	1,200	358,900	32,900	20,400	203,000	616,400
	Aleutians	0	11,700	400	500	94,500	107,100
	Total	2,700	634,800	89,000	2,865,700	980,600	4,572,800
1952	South Peninsula	9,200	894,500	39,200	908,500	1,040,800	2,892,200
	North Peninsula	700	354,800	54,200	1,400	246,900	658,000
	Aleutians	200	42,800	0	31,800	25,700	100,500
	Total	10,100	1,292,100	93,400	941,700	1,313,400	3,650,700
1953	South Peninsula	7,200	1,039,200	47,900	2,743,900	1,464,600	5,302,800
	North Peninsula	800	537,300	26,200	18,300	224,400	807,000
	Aleutians	0	4,200	500	69,200	800	74,700
	Total	8,000	1,580,700	74,600	2,831,400	1,689,800	6,184,500
1954	South Peninsula	4,200	636,300	49,400	2,033,300	1,413,400	4,136,600
	North Peninsula	3,400	354,700	35,000	18,500	405,000	816,600
	Aleutians	0	6,300	800	566,500	200	573,800
	Total	7,600	997,300	85,200	2,618,300	1,818,600	5,527,000

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Table 1. (page 5 of 8)

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1955	South Peninsula	5,400	550,100	44,800	2,529,200	688,200	3,817,700
	North Peninsula	4,100	586,600	6,200	900	129,600	727,400
	Aleutians	0	12,600	100	31,100	400	44,200
	Total	9,500	1,149,300	51,100	2,561,200	818,200	4,589,300
1956	South Peninsula	4,800	641,400	61,900	2,740,700	1,618,700	5,067,500
	North Peninsula	4,200	1,370,900	8,200	28,500	427,400	1,839,200
	Aleutians	0	400	0	33,900	0	34,300
	Total	9,000	2,012,700	70,100	2,803,100	2,046,100	6,941,000
1957	South Peninsula	5,800	341,900	49,900	913,100	1,281,400	2,592,100
	North Peninsula	1,000	327,900	18,300	3,300	274,900	625,400
	Aleutians	2,300	27,300	100	500	13,900	44,100
	Total	9,100	697,100	68,300	916,900	1,570,200	3,261,600
1958	South Peninsula	800	186,100	70,600	1,385,200	841,000	2,483,700
	North Peninsula	15,000	473,800	57,100	60,400	254,800	861,100
	Aleutians	0	300	0	613,200	3,700	617,200
	Total	15,800	660,200	127,700	2,058,800	1,099,500	3,962,000
1959	South Peninsula	900	217,500	8,500	915,600	711,700	1,854,200
	North Peninsula	28,700	634,900	59,100	9,600	404,700	1,137,000
	Aleutians	0	6,100	0	12,000	100	18,200
	Total	29,600	858,500	67,600	937,200	1,116,500	3,009,400
1960	South Peninsula	1,700	379,000	1,800	1,197,500	904,400	2,484,400
	North Peninsula	10,400	692,800	44,000	34,700	607,200	1,389,100
	Aleutians	0	7,600	0	444,900	300	452,800
	Total	12,100	1,079,400	45,800	1,677,100	1,511,900	4,326,300
1961	South Peninsula	900	456,800	10,400	1,727,800	748,600	2,944,500
	North Peninsula	6,100	387,700	24,600	3,000	153,300	574,700
	Aleutians	0	2,700	0	94,000	200	96,900
	Total	7,000	847,200	35,000	1,824,800	902,100	3,616,100
1962	South Peninsula	3,300	420,000	12,500	1,965,500	824,800	3,226,100
	North Peninsula	5,400	249,700	35,200	31,200	34,900	356,400
	Aleutians	0	5,500	100	2,001,700	1,200	2,008,500
	Total	8,700	675,200	47,800	3,998,400	860,900	5,591,000
1963	South Peninsula	1,900	204,400	16,500	2,367,700	461,300	3,051,800
	North Peninsula	3,600	225,200	40,500	6,900	49,900	326,100
	Aleutians	0	4,500	0	93,900	300	98,700
	Total	5,500	434,100	57,000	2,468,500	511,500	3,476,600
1964	South Peninsula	2,000	370,800	13,600	2,740,400	751,000	3,877,800
	North Peninsula	3,600	250,800	36,600	6,800	139,000	436,800
	Aleutians	0	200	0	194,100	2,300	196,600
	Total	5,600	621,700	50,200	2,941,300	892,300	4,511,200
1965	South Peninsula	2,100	915,700	34,200	2,884,100	556,400	4,392,500
	North Peninsula	6,100	199,500	34,500	2,100	69,700	311,900
	Aleutians	0	0	0	0	0	0
	Total	8,200	1,115,200	68,700	2,886,200	626,100	4,704,400

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Table 1. (page 6 of 8)

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1966	South Peninsula	1,400	606,200	6,300	302,300	494,400	1,410,600
	North Peninsula	5,600	245,300	37,300	16,000	82,800	387,000
	Aleutians	0	1,000	0	63,500	700	65,200
	Total	7,000	852,500	43,600	381,800	577,900	1,862,800
1967	South Peninsula	1,600	294,100	2,900	77,800	245,200	621,600
	North Peninsula	5,500	224,700	46,800	700	41,300	319,000
	Aleutians	0	200	0	7,900	0	8,100
	Total	7,100	519,000	49,700	86,400	286,500	948,700
1968	South Peninsula	1,400	699,800	31,100	1,287,100	325,300	2,344,700
	North Peninsula	4,500	237,100	64,900	200	73,500	380,200
	Aleutians	0	2,000	100	902,800	800	905,700
	Total	5,900	938,900	96,100	2,190,100	399,600	3,630,600
1969	South Peninsula	1,900	912,800	10,900	1,219,400	389,200	2,534,200
	North Peninsula	4,800	321,300	49,100	100	28,100	403,400
	Aleutians	0	1,900	0	242,200	1,500	245,600
	Total	6,700	1,236,000	60,000	1,461,700	418,800	3,183,200
1970	South Peninsula	1,800	1,794,600	32,200	1,723,400	981,700	4,533,700
	North Peninsula	3,200	213,000	26,400	7,800	50,200	300,600
	Aleutians	0	200	100	672,500	3,300	676,100
	Total	5,000	2,007,800	58,700	2,403,700	1,035,200	5,510,400
1971	South Peninsula	2,200	715,500	16,800	1,450,100	1,366,600	3,551,200
	North Peninsula	2,200	354,200	8,200	300	64,200	429,100
	Aleutians	0	300	0	45,500	100	45,900
	Total	4,400	1,070,000	25,000	1,495,900	1,430,900	4,026,200
1972	South Peninsula	1,300	557,800	8,000	78,000	727,500	1,372,600
	North Peninsula	1,800	179,500	9,600	0	84,700	275,600
	Aleutians	0	100	0	2,800	0	2,900
	Total	3,100	737,400	17,600	80,800	812,200	1,651,100
1973	South Peninsula	400	330,200	6,600	58,000	293,000	688,200
	North Peninsula	4,400	171,800	26,900	300	155,700	359,100
	Aleutians	0	100	0	7,000	0	7,100
	Total	4,800	502,100	33,500	65,300	448,700	1,054,400
1974	South Peninsula	500	204,700	9,400	99,700	71,500	385,800
	North Peninsula	5,100	247,900	24,000	10,500	35,300	322,800
	Aleutians	0	0	0	0	0	0
	Total	5,600	452,600	33,400	110,200	106,800	708,600
1975	South Peninsula	100	268,400	0	61,700	132,900	463,100
	North Peninsula	2,100	233,500	28,200	300	8,700	272,800
	Aleutians	0	0	0	0	0	0
	Total	2,200	501,900	28,200	62,000	141,600	735,900
1976	South Peninsula	2,100	375,000	200	2,367,000	532,500	3,276,800
	North Peninsula	4,900	641,100	26,000	600	73,600	746,200
	Aleutians	0	0	0	0	0	0
	Total	7,000	1,016,100	26,200	2,367,600	606,100	4,023,000

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Table 1. (page 7 of 8)

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1977	South Peninsula	500	311,700	2,100	1,448,600	243,200	2,006,100
	North Peninsula	5,500	471,100	34,100	900	129,100	640,700
	Aleutians	0	0	0	0	0	0
	Total	6,000	782,800	36,200	1,449,500	372,300	2,646,800
1978	South Peninsula	800	579,500	60,700	5,608,800	547,000	6,796,800
	North Peninsula	14,200	896,200	63,300	466,600	163,200	1,603,500
	Aleutians	0	1,800	0	38,100	0	39,900
	Total	15,000	1,477,500	124,000	6,113,500	710,200	8,440,200
1979	South Peninsula	2,100	1,149,700	356,500	6,570,500	483,000	8,561,800
	North Peninsula	17,100	1,979,500	112,800	5,000	65,700	2,180,100
	Aleutians	0	12,200	0	539,400	200	551,800
	Total	19,200	3,141,400	469,300	7,114,900	548,900	11,293,700
1980	South Peninsula	4,800	3,613,000	274,200	7,961,500	1,351,200	13,104,700
	North Peninsula	16,800	1,397,100	127,900	301,700	700,200	2,543,700
	Aleutians	0	9,200	0	2,597,500	4,900	2,611,600
	Total	21,600	5,019,300	402,100	10,760,700	2,056,300	18,260,000
1981	South Peninsula	10,200	2,255,200	162,200	5,035,900	1,770,300	9,233,800
	North Peninsula	18,300	1,844,900	155,400	11,200	706,800	2,736,600
	Aleutians	0	5,400	200	302,800	6,600	315,000
	Total	28,500	4,105,500	317,800	5,349,900	2,483,700	12,285,400
1982	South Peninsula	9,800	2,346,000	256,000	6,734,900	2,272,500	11,619,200
	North Peninsula	30,100	1,435,300	238,000	12,300	331,100	2,046,800
	Aleutians	0	2,700	0	1,447,800	6,100	1,456,600
	Total	39,900	3,784,000	494,000	8,195,000	2,609,700	15,122,600
1983	South Peninsula	26,900	2,556,600	127,700	2,827,600	1,707,100	7,245,900
	North Peninsula	29,500	2,093,400	75,100	3,400	348,700	2,550,100
	Aleutians	0	4,400	0	2,000	11,400	17,800
	Total	56,400	4,654,400	202,800	2,833,000	2,067,200	9,813,800
1984	South Peninsula	9,200	2,318,000	309,100	11,589,300	1,656,500	5,882,100
	North Peninsula	23,000	1,734,900	198,600	27,400	796,700	2,780,600
	Aleutians	0	67,200	0	2,309,700	33,900	2,410,800
	Total	32,200	4,120,100	507,700	13,926,400	2,487,100	21,073,500
1985	South Peninsula	7,900	2,214,600	172,500	4,433,700	1,393,100	8,221,800
	North Peninsula	23,500	2,600,500	167,800	3,100	671,100	3,466,000
	Aleutians	0	2,800	0	100	14,200	17,100
	Total	31,400	4,817,900	340,300	4,436,900	2,078,400	11,704,900
1986	South Peninsula	5,600	1,223,000	235,900	4,031,500	1,749,700	7,245,700
	North Peninsula	11,700	2,436,700	164,100	22,600	271,200	2,933,300
	Aleutians	0	7,700	100	42,600	38,800	89,200
	Total	17,300	3,694,400	400,100	4,096,700	2,059,700	10,268,200
1987	South Peninsula	9,200	1,449,800	224,700	1,208,600	1,376,300	4,268,600
	North Peninsula	14,200	1,209,400	171,800	3,500	368,700	1,767,600
	Aleutians	0	100	0	0	0	100
	Total	23,400	2,659,300	396,500	1,212,100	1,745,000	6,036,300

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Table 1. (page 8 of 8)

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1988	South Peninsula	11,100	1,472,900	505,500	7,044,800	1,905,200	10,939,500
	North Peninsula	16,800	1,528,100	234,000	65,200	393,500	2,237,600
	Aleutians	0	4,300	0	183,100	500	187,900
	Total	27,900	3,005,300	739,500	7,293,100	2,299,200	13,365,000
1989	South Peninsula	7,000	2,660,700	443,800	7,292,700	994,200	11,398,400
	North Peninsula	10,900	1,718,700	227,600	4,100	157,200	2,118,500
	Aleutians	0	8,200	0	6,700	0	14,900
	Total	17,900	4,387,600	671,400	7,303,500	1,151,400	13,531,800
1990	South Peninsula	16,500	2,386,600	307,200	2,865,900	1,237,800	6,814,000
	North Peninsula	12,300	2,415,900	192,800	517,700	125,800	3,264,500
	Aleutians	0	12,400	100	282,800	1,000	296,300
	Total	28,800	4,814,900	500,100	3,666,400	1,364,600	10,374,800
1991	South Peninsula	8,000	2,322,400	317,000	10,615,800	1,587,400	14,850,600
	North Peninsula	9,400	2,391,200	218,300	4,200	191,300	2,814,400
	Aleutians	0	800	0	0	0	800
	Total	17,400	4,714,400	535,300	10,620,000	1,778,700	17,665,800
1992	South Peninsula	8,000	3,445,900	418,200	9,770,400	1,316,700	14,959,200
	North Peninsula	13,100	3,575,100	206,700	194,400	341,600	4,331,400
	Aleutians	0	3,100	0	312,100	1,200	316,400
	Atka-Amlia	0	200	0	8,000	300	8,500
	Total	21,100	7,024,700	625,000	10,284,900	1,659,800	19,615,500

Table 2. Alaska Peninsula-Aleutian Islands salmon harvest, in number of fish, by statistical area, section, and district, 1992.

Area		Chinook	Sockeye	Coho	Pink	Chum	Total
SOUTH PENINSULA							
Southeastern District							
281-15	Kupreanof Point	126	14,569	23,818	163,917	10,475	212,905
281-25	Island & Fox Bays	86	82,026	17,046	86,134	18,960	204,252
East Stepovak Section Total		**212**	**96,595**	**40,864**	**250,051**	**29,435**	**417,157**
281-30	**Stepovak Flats Section**	**14**	**9,523**	**89**	**13,618**	**19,404**	**42,648**
281-40	Grub Gulch/Clark Bay	13	5,023	257	13,196	3,357	21,846
281-50	Orzinski Bay	26	105,050	59	22,042	1,496	128,673
281-60	Elephant Pt. to Dorenoi Bay	23	18,516	78	42,577	10,275	71,469
Northwest Stepovak Section Total		**62**	**128,589**	**394**	**77,815**	**15,128**	**221,988**
281-70	**Southwest Stepovak Section**	**56**	**32,046**	**2,702**	**141,490**	**8,628**	**184,922**
281-80	**Balboa Bay Section**	**176**	**46,520**	**8,376**	**374,402**	**25,499**	**454,973**
281-90	**Beaver Bay Section**	**111**	**13,921**	**2,645**	**139,722**	**6,663**	**163,062**
282-10	Popof Strait/Squaw Harbor	86	26,956	6,028	284,347	11,498	328,915
282-11	Unga Cape/East Popof	3,100	424,826	184,952	1,324,228	229,016	2,166,122
282-20	Acheredin Bay	34	30,568	1,513	42,324	6,138	80,577
282-25	West Unga	126	43,325	7,269	163,609	15,606	229,935
282-30	Bay Point	59	5,842	1,083	166,878	4,715	178,577
282-35	Zachary Bay	5	689	153	271,946	10,635	283,428
282-40	East Hd./West Hd.	2	815	74	845	158	1,894
282-42	Korovin Island	595	97,373	25,707	120,578	48,005	292,258
282-70	John I./Mountain Pt.	103	30,204	5,841	35,092	14,026	85,266
282-75	Cape Horn/Porpoise Rocks	27	7,919	1,071	28,862	2,558	40,437
282-80	East Nagai Strait	0	662	19	321	283	1,285
Shumagin Islands Section Total		**4,137**	**669,179**	**233,710**	**2,439,030**	**342,638**	**3,688,694**
SOUTHEASTERN DISTRICT TOTAL		**4,768**	**996,373**	**288,780**	**3,436,128**	**447,395**	**5,173,444**
South Central District							
283-15	Mino Creek	251	30,075	10,432	32,781	6,174	79,713
283-17	Coal Bay	93	77,076	5,598	513,048	11,006	606,821
Mino Cr.-Little Coal B. Sect. Total		**344**	**107,151**	**16,030**	**545,829**	**17,180**	**686,534**

-Continued-

Table 2. (page 2 of 5)

Area		Chinook	Sockeye	Coho	Pink	Chum	Total
SOUTH PENINSULA (cont.)							
283-21	Cape Tolstoi	35	6,612	908	109,554	2,117	119,226
283-23	East Pavlof Bay	22	4,959	402	419,743	43,235	468,361
283-25	Northwest Pavlof Bay	1	87	1	21,893	35,928	57,910
283-26	Long Beach/Ukolnoi Is.	72	39,346	4,716	350,443	40,787	435,364
Pavlof Bay Section Total		**130**	**51,004**	**6,027**	**901,633**	**122,067**	**1,080,861**
283-24	**Canoe Bay Section**	**9**	**1,884**	**14**	**119,347**	**114,564**	**235,818**
SOUTH CENTRAL DISTRICT TOTAL		**483**	**160,039**	**22,071**	**1,566,809**	**253,811**	**2,003,213**
Southwestern District							
284-36	Volcano Bay	86	15,176	4,821	599,996	104,480	724,559
284-37	Northside Dolgoi Island	107	53,539	6,050	225,940	13,960	299,596
284-38	South Dolgoi/Moss Cape	79	45,797	7,192	773,436	24,911	851,442
Volcano Bay Section Total		**272**	**114,512**	**18,063**	**1,599,399**	**143,351**	**1,875,597**
284-42	Belkofski Bay	23	11,596	935	780,034	22,220	814,808
284-45	King Cove	16	22,878	1,644	441,396	22,470	488,404
Belkofski Bay Section Total		**39**	**34,474**	**2,579**	**1,221,430**	**44,690**	**1,303,212**
284-55 Deer Island Section		**14**	**4,294**	**1,975**	**1,162,067**	**4,507**	**1,172,857**
284-62	Outer Cold Bay	1	371	140	10,560	2,175	13,247
284-65	Lenard Harbor	0	0	0	2,014	2,709	4,723
284-67	Inner Cold Bay	0	100	5	2,570	10,410	13,085
Cold Bay Section Total		**1**	**471**	**145**	**15,144**	**15,294**	**31,055**
284-75	**Thin Point Section**	**0**	**30,356**	**8,906**	**16,710**	**13,549**	**69,521**
284-80	**Morzhovoi Bay Section**	**34**	**24,584**	**1,189**	**12,854**	**26,673**	**65,334**
284-90	**Ikatan Bay Section**	**972**	**805,103**	**57,954**	**369,349**	**110,173**	**1,343,551**
SOUTHWESTERN DISTRICT TOTAL		**1,332**	**1,013,794**	**90,811**	**4,396,953**	**358,237**	**5,861,127**

-Continued-

Table 2. (page 3 of 5)

Area		Chinook	Sockeye	Coho	Pink	Chum	Total
SOUTH PENINSULA (cont.)							
Unimak District							
285-20	Bird Island	166	288,599	3,990	44,632	40,886	378,273
285-30	Cape Lazaref	140	155,108	12,580	54,256	25,549	247,633
Otter Cove Section Total		**306**	**443,707**	**16,570**	**98,888**	**66,435**	**625,906**
285-40	**Cape Lutke Section**	**1,137**	**832,001**	**0**	**271,608**	**190,831**	**1,295,577**
UNIMAK DISTRICT TOTAL		**1,443**	**1,275,708**	**16,570**	**370,496**	**257,266**	**1,921,483**
SOUTH PENINSULA TOTAL		**8,026**	**3,445,914**	**418,232**	**9,770,386**	**1,316,709**	**14,959,267**
NORTH PENINSULA							
Northwestern District							
311-32	**Urilia Bay Section**	**16**	**40,920**	**0**	**0**	**23,673**	**64,609**
311-52	**Swanson Lagoon Section**	**8**	**16,274**	**3,924**	**54**	**9,756**	**30,016**
311-60	**Bechevin Bay Section**	**0**	**313**	**6**	**7,583**	**9,632**	**17,534**
312-20	Izembek Lagoon	0	3,207	0	0	1,008	4,215
312-40	Moffet Lagoon	0	18,335	0	679	60,663	79,677
Izembek-Moffet Bay Section Total		**0**	**21,542**	**0**	**679**	**61,671**	**83,892**
NORTHWESTERN DISTRICT TOTAL		**24**	**79,049**	**3,930**	**8,316**	**104,732**	**196,051**
Northern District							
313-10	**Black Hills Section**	**21**	**878**	**0**	**0**	**160**	**1,059**
313-30	**Nelson Lagoon Section**	**2,787**	**378,706**	**73,372**	**180**	**7,738**	**462,783**

-Continued-

Table 2. (page 4 of 5)

Area		Chinook	Sockeye	Coho	Pink	Chum	Total
314-20	Herendeen Bay	1	1,120	0	106,243	127,323	234,687
314-12	Port Moller Bight	113	4,791	0	17	8,551	13,472
Herendeen-Moller Bay Section Total		**114**	**5,911**	**0**	**106,260**	**135,874**	**248,159**
315-11	Bear River	3,063	1,193,077	19,820	45,152	57,363	1,318,475
315-20	Muddy River	209	205,180	2,279	2,921	4,866	215,455
Bear River Section Total		**3,272**	**1,398,257**	**22,099**	**48,073**	**62,229**	**1,533,930**
316-10 Three Hills Section		**1,105**	**959,223**	**4,562**	**17,457**	**17,505**	**999,852**
316-20	Outside Ilnik	170	584,774	662	7,831	7,187	600,624
316-22	Ilnik Lagoon	10	13,176	11,620	0	0	24,806
316-25	Strogonof Point	81	143,042	703	6,223	4,653	154,702
Ilnik Section Total		**261**	**740,992**	**12,985**	**14,054**	**11,840**	**780,132**
317-20	**Inner Port Heiden Sect.**	**5,427**	**8,023**	**16,744**	**1**	**1,183**	**31,378**
318-20	**Cinder River Section**	**133**	**4,472**	**73,121**	**54**	**355**	**78,135**
Northern District Total		**13,120**	**3,496,462**	**202,883**	**186,079**	**236,884**	**4,135,428**
NORTH PENINSULA TOTAL		**13,144**	**3,575,511**	**206,813**	**194,395**	**341,616**	**4,331,479**
ALASKA PENINSULA AREA TOTAL		**21,170**	**7,021,425**	**625,045**	**9,964,781**	**1,658,325**	**19,290,746**

ALEUTIAN ISLANDS AREA

Unalaska District

302-24	**Makushin Bay Section**	**0**	**3,082**	**0**	**312,072**	**1,230**	**316,384**
Unalaska District Total		**0**	**3,082**	**0**	**312,072**	**1,230**	**316,384**
ALEUTIAN ISLANDS AREA TOTAL		**0**	**3,082**	**0**	**312,072**	**1,230**	**316,384**

-Continued-

Table 2. (page 5 of 5)

Area		Chinook	Sockeye	Coho	Pink	Chum	Total
ATKA-AMLIA ISLANDS AREA							
305-45	Egg Bay	0	1	2	75	0	78
305-47	Korovin Bay	0	213	35	1,697	146	2,091
305-49	Nazan Bay	0	17	5	6,200	162	6,384
ATKA-AMLIA ISLANDS AREA TOTAL		**0**	**231**	**42**	**7,972**	**308**	**8,553**
ALASKA PENINSULA-ALEUTIAN IS. AND ATKA-AMLIA IS. AREA TOTAL		**21,170**	**7,024,738**	**625,087**	**10,284,825**	**1,659,863**	**19,615,683**

Table 3. Estimated value of 1992 commercial salmon fishery.[a]

	EX-VESSEL					
	Chinook	Sockeye	Coho	Pink	Chum	Total
South Peninsula						
Poundage	126,625	19,561,688	2,686,420	32,702,386	8,850,474	63,927,593
Average Weight	15.8	5.7	6.4	3.3	6.7	
Value ($)	103,000	30,335,000	1,666,000	5,404,000	2,538,000	40,046,000
Aleutian Islands (Unalaska)						
Poundage	0	16,096	0	930,868	8,821	955,785
Average Weight	-	5.2	-	3.0	7.2	
Value ($)	0	22,000	0	158,000	2,000	182,000
Atka-Amlia Islands						
Poundage	0	1,147	265	27,258	2,042	30,712
Average Weight	-	5.0	6.3	3.4	6.6	
Value ($)	0	600	100	2,500	400	3,600
Northwestern District						
Poundage	360	459,994	31,651	29,347	835,453	1,356,805
Average Weight	15.0	5.8	8.1	3.5	7.3	
Value ($)	200	635,000	20,000	4,400	201,000	860,600
Northern District						
Poundage	225,316	19,620,993	1,618,753	623,849	1,465,237	23,554,148
Average Weight	21.2	5.6	8.0	3.4	6.2	
Value ($)	238,000	27,077,000	1,036,000	112,600	466,000	28,930,400
North Peninsula Total						
Poundage	225,676	20,080,987	1,650,404	653,196	2,300,690	24,910,953
Average Weight	17.2	5.6	8.0	3.4	6.7	
Value ($)	239,000	27,712,000	1,056,000	117,000	667,000	29,791,000
TOTAL ALASKA PENINSULA, ALEUTIAN ISLANDS, AND ATKA-AMLIA ISLANDS AREAS						
Poundage	352,301	39,660,240	4,337,313	34,314,304	11,162,027	89,826,185
Average Weight	16.6	5.6	6.9	3.3	6.7	
Value ($)	342,000	58,069,600	2,722,100	5,681,500	3,207,400	70,022,600
ESTIMATED VALUE OF SOUTH UNIMAK AND SHUMAGIN ISLAND JUNE FISHERY (These figures are included above)						
Poundage	68,950	13,358,274	0	1,727,544	2,756,409	17,911,177
Average Weight	18.3	5.4	-	2.7	6.5	
Value ($)	64,000	21,774,000	0	138,000	1,075,000	23,051,000
FIRST WHOLESALE						
Fish	**$700,000**	**93,000,000**	**8,000,000**	**45,000,000**	**16,000,000**	**162,700,000**
Roe	**100,000**	**9,000,000**	**700,000**	**7,000,000**	**3,200,000**	**20,000,000**
Total	**800,000**	**102,000,000**	**8,700,000**	**52,000,000**	**19,200,000**	**182,700,000**

[a] All of the above value figures are rough estimates based on limited information.

Table 4. Alaska Peninsula-Aleutian Islands Management Areas salmon catch by year, gear, species, and estimated value, 1979-1992[a].

Year	Chinook Number	Chinook Est.$Value by% of catch	Sockeye Number	Sockeye Est.$Value by% of catch	Coho Number	Coho Est.$Value by% of catch	Pink Number	Pink Est.$Value by% of catch	Chums Number	Chums Est.$Value by% of catch	Total Numbers	Total Est. Value by% of catch
1979												
Seine	1,634	41,024	909,000	5,806,222	352,759	2,403,576	6,989,540	9,544,217	440,159	1,706,042	8,693,092	19,501,081
Drift GN	9,592	240,779	1,840,103	11,753,626	64,826	441,669	29,301	39,800	67,901	263,172	2,011,723	12,739,046
Set GN	8,022	201,398	392,197	2,505,152	52,117	355,256	90,460	123,283	40,823	158,286	583,619	3,343,374
Total	19,248	483,200	3,141,300	20,065,000	469,702	3,200,500	7,109,301	9,707,300	548,883	2,127,500	11,288,434	35,583,500
1980												
Seine	4,246	58,969	2,899,956	9,244,048	250,343	933,974	10,650,959	13,857,200	1,555,424	4,534,200	15,360,928	28,628,391
Drift GN	10,988	152,604	1,727,187	5,505,669	78,057	291,213	7,339	9,800	369,446	1,077,000	2,193,017	7,036,287
Set GN	6,367	88,426	392,227	1,250,283	73,661	274,813	102,305	133,000	133,313	388,800	707,873	2,135,322
Total	21,601	300,000	5,019,370	16,000,000	402,061	1,500,000	10,760,603	14,000,000	2,058,183	6,000,000	18,261,818	37,800,000
1981												
Seine	8,347	149,904	1,296,886	7,555,092	156,590	818,867	5,217,398	7,780,053	1,905,053	6,186,088	8,584,274	22,490,005
Drift GN	12,692	227,880	2,217,648	12,919,049	77,022	402,703	15,646	23,122	427,385	1,387,760	2,750,393	14,960,513
Set GN	9,034	162,216	576,744	3,359,859	84,219	440,430	113,987	169,825	149,408	485,152	933,392	4,617,482
Total	30,073	540,000	4,091,278	23,834,000	317,831	1,662,000	5,347,031	7,973,000	2,481,846	8,059,000	12,268,059	42,068,000
1982												
Seine	6,775	159,719	1,465,926	7,342,780	219,591	1,193,753	8,008,412	6,273,624	1,772,536	5,222,369	11,473,240	20,192,244
Drift GN	20,474	482,670	1,980,518	9,920,524	145,377	790,307	67,811	53,286	708,014	2,086,026	2,922,194	13,332,811
Set GN	12,709	299,612	337,489	1,690,697	129,122	701,940	118,821	93,090	129,226	380,606	727,367	3,165,944
Total	39,958	942,000	3,783,933	18,954,000	494,090	2,686,000	8,195,044	6,420,000	2,609,776	7,689,000	15,122,801	36,691,000
1983												
Seine	23,463	290,228	1,630,925	7,710,942	111,230	413,021	2,746,223	2,798,538	1,620,739	3,682,741	6,132,580	14,895,470
Drift GN	21,393	264,657	2,503,431	11,836,113	28,750	106,775	8,691	8,857	351,652	799,006	2,913,917	13,015,407
Set GN	11,164	138,115	515,856	2,438,945	62,815	233,204	78,117	79,605	91,128	207,254	759,080	3,097,123
Total	56,020	693,000	4,650,212	21,986,000	202,795	753,000	2,833,031	2,887,000	2,063,519	4,689,000	9,805,577	31,008,000
1984												
Seine	7,592	162,878	1,463,407	6,927,466	259,465	1,283,032	13,561,868	12,265,369	1,708,621	3,384,960	17,000,953	24,023,704
Drift GN	17,100	366,861	1,879,213	8,895,318	145,839	721,161	97,797	88,448	615,043	1,218,684	2,754,992	11,290,472
Set GN	7,498	160,861	777,427	3,680,216	106,151	524,907	266,677	241,183	159,711	316,356	1,317,464	4,923,524
Total	32,190	690,600	4,120,047	19,503,000	511,455	2,529,100	13,926,342	12,595,000	2,483,375	4,920,000	21,073,409	40,237,700

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Table 4. (page 2 of 3)

Year	Chinook Number	Chinook Est.$Value by% of catch	Sockeye Number	Sockeye Est.$Value by% of catch	Coho Number	Coho Est.$Value by% of catch	Pink Number	Pink Est.$Value by% of catch	Chums Number	Chums Est.$Value by% of catch	Total Numbers	Total Est. Value by% of catch
1985												
Seine	5,403	111,106	1,493,743	8,835,393	163,998	966,202	4,203,337	3,590,683	1,566,519	3,367,800	7,433,000	16,871,184
Drift GN	15,262	313,931	2,632,206	15,569,329	89,676	528,289	23,775	20,455	374,261	804,537	3,135,180	17,236,541
Set GN	9,545	196,362	617,298	3,651,278	94,958	559,510	207,048	176,901	88,752	190,663	1,017,601	4,774,714
Total	30,210	621,400	4,743,247	28,056,000	348,632	2,054,000	4,434,160	3,788,040	2,029,532	4,363,000	11,585,781	38,882,440
1986												
Seine	4,886	63,512	857,871	7,218,401	223,520	1,109,746	3,944,312	2,665,608	1,682,080	4,151,941	6,712,669	15,209,209
Drift GN	7,870	102,301	2,328,600	19,594,136	93,096	462,212	42,523	28,793	279,020	688,716	2,751,109	20,876,158
Set GN	4,584	59,587	508,055	4,274,463	83,439	414,342	109,903	74,198	98,586	243,344	804,567	5,065,933
Total	17,340	225,400	3,694,526	31,087,000	400,055	1,986,300	4,096,738	2,768,600	2,059,686	5,084,000	10,268,345	41,151,300
1987												
Seine	7,826	174,544	705,571	7,305,460	18,540	1,383,112	1,152,291	1,691,295	1,212,279	3,320,666	3,263,507	13,875,078
Drift GN	11,104	247,653	1,409,294	14,594,398	121,885	908,674	6,204	9,073	432,697	1,185,440	1,981,184	16,945,239
Set GN	4,430	98,803	544,398	5,636,742	89,099	664,213	53,547	78,632	99,987	273,894	791,461	6,752,284
Total	23,360	521,000	2,659,263	27,536,600	396,524	2,956,000	1,212,042	1,779,000	1,744,963	4,780,000	6,036,152	37,572,600
1988												
Seine	9,640	232,723	840,511	11,952,232	405,243	3,534,600	6,818,574	19,005,582	1,660,529	10,403,088	9,734,497	45,128,225
Drift GN	12,324	297,533	1,652,827	23,503,525	199,807	1,742,790	181,516	506,192	512,998	3,213,893	2,559,472	29,263,934
Set GN	5,913	142,743	511,965	7,280,243	134,456	1,172,610	293,078	817,226	125,623	787,019	1,071,035	10,199,841
Total	27,877	673,000	3,005,303	42,736,000	739,506	6,450,000	7,293,168	20,329,000	2,299,150	14,404,000	13,365,004	84,592,000
1989												
Seine	5,775	117,486	1,666,704	14,925,204	307,919	1,831,648	6,857,700	8,958,999	720,709	1,947,290	9,558,807	27,780,628
Drift GN	7,822	159,100	2,038,341	18,253,184	217,192	1,292,059	87,114	113,538	329,560	890,441	2,680,029	20,708,323
Set GN	4,396	89,414	682,598	6,112,612	146,283	870,293	358,647	468,463	101,139	273,268	1,293,063	7,814,050
Total	17,993	366,000	4,387,643	39,291,000	671,394	3,994,000	7,303,461	9,541,000	1,151,408	3,111,000	13,531,899	56,303,000
1990												
Seine	11,674	239,867	1,470,145	12,937,460	227,688	1,354,192	3,533,661	3,369,540	996,546	2,368,008	6,239,714	20,269,067
Drift GN	13,203	271,284	2,583,655	22,736,487	158,088	940,241	54,787	52,242	282,319	670,851	3,092,052	24,671,105
Set GN	4,450	91,435	759,734	6,685,754	112,786	670,804	73,382	69,974	82,965	197,143	1,033,317	7,715,109
Total	29,327	602,586	4,813,534	42,359,701	498,562	2,965,237	3,661,830	3,491,756	1,361,830	3,236,001	10,342,001	52,655,281

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Table 4. (page 3 of 3)

Year	Chinook Number	Chinook Est.$Value by% of catch	Sockeye Number	Sockeye Est.$Value by% of catch	Coho Number	Coho Est.$Value by% of catch	Pink Number	Pink Est.$Value by% of catch	Chums Number	Chums Est.$Value by% of catch	Total Numbers	Total Est. Value by% of catch
1991 Area M												
Seine	5,208	66,000	1,289,702	6,100,000	217,550	620,000	10,233,380	3,776,000	1,212,041	1,750,000	12,957,881	12,312,000
Drift GN	4,904	62,000	2,568,290	12,000,000	117,294	649,000	28,627	13,000	383,144	600,690	3,102,259	13,324,690
Set GN	3,942	46,600	838,881	4,541,600	110,278	245,000	338,838	143,700	168,321	259,910	1,460,260	5,236,810
Total	14,054	174,600	4,696,873	22,641,600	445,122	1,514,000	10,600,845	3,932,700	1,763,506	2,610,600	17,520,400	30,873,500
1991 Area T												
Drift GN	2,826	40,000	498	2,030	76,525	395,000	0	0	225	310	80,074	437,340
Set GN	0	0	42	170	8,950	48,000	0	0	6	90	8,998	48,260
Total	2,826	40,000	540	2,200	85,475	443,000	0	0	231	400	89,072	485,600
Grand Total												
Seine	5,208	66,000	1,289,702	6,100,000	217,550	620,000	10,233,380	3,776,000	1,212,041	1,750,000	12,957,881	12,312,000
Drift GN	7,730	102,000	2,568,788	12,002,030	193,819	1,044,000	28,627	13,000	383,369	601,000	3,182,333	13,762,030
Set GN	3,942	46,600	838,923	4,541,770	119,228	293,000	338,838	143,700	168,327	260,000	1,469,258	5,285,070
Total	16,880	214,600	4,697,413	22,643,800	530,597	1,957,000	10,600,845	3,932,700	1,763,737	2,611,000	17,609,472	31,359,100
1992 Area M												
Seine	6,745	102,000	2,113,080	17,044,000	294,822	1,162,000	9,669,600	5,315,000	1,304,142	2,534,000	13,388,389	26,157,000
Drift GN	5,813	94,000	3,930,266	32,344,000	117,687	540,000	183,109	103,000	242,835	458,000	4,479,710	33,539,000
Set GN	3,323	58,600	968,792	8,635,000	120,033	594,000	421,359	261,000	105,855	214,000	1,619,362	9,762,000
Total	15,881	254,000	7,012,138	58,023,000	532,542	2,296,000	10,274,068	5,679,000	1,652,832	3,206,000	19,487,461	69,458,000
1992 Area T												
Drift GN	4,899	84,000	3,390	29,000	71,234	340,000	0	0	587	1,000	80,110	454,000
Set GN	297	4,000	2,171	27,000	18,027	86,000	0	0	0	0	20,495	107,000
Total	5,196	88,000	5,561	46,000	89,261	426,000	0	0	587	1,000	100,605	561,600
Grand Total												
Seine	6,745	$102,000	2,113,080	17,044,000	294,822	1,162,000	9,669,600	5,315,000	1,304,142	2,534,000	13,388,389	26,157,000
Drift GN	10,712	178,000	3,933,656	32,373,000	188,921	880,000	183,109	103,000	243,422	459,000	4,559,820	33,993,000
Set GN	3,620	62,000	970,963	8,652,000	138,060	680,000	421,359	261,000	105,855	214,000	1,639,857	9,869,000
Total	21,077	342,000	7,017,699	58,069,000	621,803	2,722,000	10,274,068	5,679,000	1,653,419	3,207,000	19,588,066	70,019,000

[a] Sums of columns may not add up exactly due to rounding errors. Catches and values prior to 1991 include those by Area T (Bristol Bay) fishermen in the overlap area.

Table 5. Processing companies purchasing salmon in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas, 1992.

All Alaskan Seafoods, Inc.
130 Nickerson, Suite 307
Seattle, WA 98109
Phone (206) 285-8200
Fax (206) 285-2313

Atka Fisherman's Association
Atka, AK 99502
Phone (907) 839-2249

Crusader Fisheries, Inc.
4225 23rd Avenue W.
Seattle, WA 98199
Phone (206) 281-7022
Fax (206) 285-8159

Deep Sea Fisheries, Inc.
5305 Shilshole Avenue NW #200
Seattle, WA 98107
Phone (206) 782-6545
Fax (206) 782-4514

Icicle Seafoods, Inc.
4019 21st Avenue W.
P.O. Box 79003
Seattle, WA 98119
Phone (206) 282-0988
Fax (206) 282-7222

Inlet Salmon
P.O. Box 530
Kenai, AK 99611

Manna Seafoods
13233 S.E. Shannon View
Clackamas, OR 97015
Phone (503) 698-7321

New West Fisheries, Inc.
601 W. Chestnum St.
Bellingham, WA 98225
Phone (206) 734-9050
Fax (206) 734-9054

North Coast Seafood Processors
P.O. Box 70668
Seattle, WA 98107
Phone (206) 789-5108
Fax (206) 789-7329

Peter Pan Seafoods, Inc.
2200 6th Avenue #1000
Seattle, WA 98121
Phone (206) 728-6000
Fax (206) 441-9090

Trident Seafoods Corporation
5303 Shilshole Avenue NW
Seattle, WA 98107
Phone (206) 783-3818
Fax (206) 782-7195

Western Sea, Inc.
P.O. Box 98788
Seattle, WA 98198
Phone (206) 824-3758
Fax (206) 824-3924

Woodbine Alaska Fish Company
P.O. Box 218
Egegik, AK 99579
Phone (907) 233-2205
Fax (907) 233-2214

Yak, Inc.
180 Nickerson, Suite 309
Seattle, WA 98109
Phone (206) 286-1303
Fax (206) 286-1098

Table 6. Salmon catches, in number of fish[a], by district and gear, 1992.

	Chinook	Sockeye	Coho	Pink	Chum	Total
SOUTHEASTERN DISTRICT						
Seine	4,238	535,945	245,369	3,065,729	374,909	4,226,190
Set Gillnet	437	453,389	40,127	359,670	66,114	919,737
Total	**4,675**	**989,334**	**285,496**	**3,425,399**	**441,023**	**5,145,927**
SOUTH CENTRAL DISTRICT						
Seine	481	154,151	22,018	1,561,845	252,061	1,990,556
Set Gillnet	2	5,888	53	4,964	1,750	12,657
Total	**483**	**160,039**	**22,071**	**1,566,809**	**253,811**	**2,003,213**
SOUTHWESTERN AND UNIMAK DISTRICTS						
Seine	1,988	1,319,565	26,715	4,615,394	453,195	6,416,857
Drift Gillnet	672	810,687	58,622	104,450	144,653	1,119,084
Set Gillnet	115	159,250	22,044	47,605	17,655	246,669
Total	**2,775**	**2,289,509**	**107,381**	**4,767,449**	**615,503**	**7,782,610**
SOUTH PENINSULA TOTAL						
Seine	6,707	2,009,661	294,102	9,242,968	1,080,165	12,633,603
Drift Gillnet	672	810,687	58,622	104,450	144,653	1,119,084
Set Gillnet	554	618,527	62,224	412,239	85,519	1,179,063
Total	**7,933**	**3,438,875**	**414,948**	**9,759,654**	**1,310,337**	**14,931,750**
NORTHWESTERN DISTRICT						
Seine	0	42,048	720	8,259	92,336	143,363
Drift Gillnet	14	19,437	1,939	40	8,768	30,198
Set Gillnet	10	17,564	1,271	17	3,628	22,490
Total	**24**	**79,049**	**3,930**	**8,316**	**104,732**	**196,051**
NORTHERN DISTRICT						
Seine	38	58,289	0	106,301	130,411	295,039
Drift Gillnet	10,026	3,103,532	128,360	78,647	90,001	3,410,566
Set Gillnet	3,056	334,641	74,523	1,131	16,472	429,823
Total	**13,120**	**3,496,462**	**202,883**	**186,079**	**236,884**	**4,135,428**
NORTH PENINSULA TOTAL						
Seine	38	100,337	720	114,560	222,747	438,402
Drift Gillnet	10,040	3,122,969	130,299	78,687	98,769	3,440,764
Set Gillnet	3,066	352,205	75,794	1,148	20,100	452,313
Total	**13,144**	**3,575,511**	**206,813**	**194,395**	**341,616**	**4,331,479**
ALEUTIAN ISLANDS AREA						
Seine	0	3,082	0	312,072	1,230	316,384
Total	**0**	**3,082**	**0**	**312,072**	**1,230**	**316,384**
ATKA-AMLIA ISLANDS AREA (AREA F)						
Set Gillnet	0	231	42	7,972	308	8,553
Total	**0**	**231**	**42**	**7,972**	**308**	**8,553**
ALASKA PENINSULA-ALEUTIAN ISLANDS AND ATKA-AMLIA ISLANDS AREAS TOTAL						
Seine	6,745	2,113,080	294,822	9,669,600	1,304,142	13,388,389
Drift Gillnet	10,712	3,933,656	188,921	183,137	243,422	4,559,848
Set Gillnet	3,620	970,963	138,060	421,359	105,927	1,639,929
Total	**21,077**	**7,017,699**	**621,803**	**10,274,096**	**1,653,491**	**19,588,166**

-Continued-

Table 6. (page 2 of 2)

	Chinook	Sockeye	Coho	Pink	Chum	Total
CATCH BY AREA T PERMIT HOLDERS						
Drift Gillnet	4,899	3,390	71,234	28	587	80,138
Set Gillnet	297	2,171	18,027	0	72	20,567
Total	**5,196**	**5,561**	**89,261**	**28**	**659**	**100,705**
CATCH BY AREA F PERMIT HOLDERS						
Set Gillnet	0	231	42	7,972	308	8,553
Total	**0**	**231**	**42**	**7,972**	**308**	**8,553**
CATCH BY AREA M PERMIT HOLDERS						
Seine	6,745	2,113,080	294,822	9,669,600	1,304,142	13,388,389
Drift Gillnet	5,813	3,930,266	117,687	183,109	242,835	4,479,710
Set Gillnet	3,323	968,561	119,991	413,387	105,547	1,610,809
Total	**15,881**	**7,011,907**	**532,500**	**10,266,096**	**1,652,524**	**19,478,908**

[a] Does not include test fish catches.

Table 7. Salmon catches in numbers of fish by species, permanent salmon week[a], and area, all gear, 1992.

Week[b]		Chinook	Sockeye	Coho	Pink	Chum	Total
Southeastern District Mainland							
H	June 14-20	59	32,099	2	6	1,027	33,193
I	June 21-27	43	49,230	5	55	2,130	51,463
J	June 28-July 4	31	29,003	4	27	911	29,976
K	July 5-11	12	30,113	1	325	256	30,707
L	July 12-18	11	39,185	23	1,571	771	41,561
M	July 19-25	14	35,814	100	13,955	15,534	65,417
N	July 26-Aug. 1	330	74,399	26,389	447,942	52,856	601,916
O	Aug. 2-8	90	17,047	10,371	348,934	19,984	396,426
P	Aug. 9-13	20	11,224	5,662	183,945	8,994	209,845
S	Sept. 1-5	13	3,104	4,461	330	1,450	9,358
T	Sept. 6-12	8	2,320	4,244	8	617	7,197
U	Sept. 13-19	0	2,286	2,602	0	169	5,057
V	Sept. 20-26	0	1,130	1,178	0	58	2,546
X	October 4-10	0	60	28	0	0	88
Total		**631**	**327,194**	**55,070**	**997,098**	**104,757**	**1,484,750**
Shumagin Islands							
H	June 15-20	1,272	364,646	1	128,075	93,229	587,223
I	June 21-27	115	47,188	0	12,888	9,083	69,274
K	July 5-11	0	272	0	11	7,086	7,369
L	July 12-18	571	93,636	17,835	41,986	69,437	223,465
M	July 19-25	60	52,736	5,177	53,733	11,332	123,038
N	July 26-Aug. 1	1,092	67,377	68,589	604,426	81,487	822,971
O	Aug. 2-8	368	13,571	24,959	494,045	32,744	565,687
P	Aug. 9-15	311	10,005	36,670	849,398	19,548	915,932
Q	Aug. 16-22	218	8,743	63,008	242,552	11,322	325,843
S	Sept. 1-5	36	2,216	7,196	1,008	749	11,205
T	Sept. 6-12	1	832	4,289	169	213	5,504
U	Sept. 13-19	0	800	1,578	10	36	2,424
V	Sept. 20-26	0	118	1,124	0	0	1,242
Total		**4,044**	**662,140**	**230,426**	**2,428,301**	**336,266**	**3,661,177**
South Central District							
K	July 6	9	3,717	0	393	567	4,686
L	July 13-18	90	41,953	3,084	7,561	21,312	74,000
M	July 19-25	291	91,155	14,315	231,831	57,748	395,340
N	July 26-Aug. 1	69	16,728	2,428	332,850	50,243	402,318
O			Aug. 2-8 17	5,646	1,400	450,496	64,717
	522,276						
P	Aug. 9-15	7	772	787	483,986	56,289	541,841
Q	Aug. 16-17	0	68	57	59,692	2,935	62,752
Total		**483**	**160,039**	**22,071**	**1,566,809**	**253,811**	**2,003,213**
Southwestern and Unimak Districts							
H	June 15-20	1,880	1,239,916	0	323,400	187,884	1,753,080
I	June 21-27	493	806,106	3	177,727	136,007	1,120,336
K	July 6	3	481	1	45	376	906
L	July 13-18	107	70,466	17,411	25,958	13,007	126,949
M	July 19-25	97	66,547	28,178	246,419	32,354	373,595
N	July 26-Aug. 1	92	60,362	32,598	821,475	68,596	983,123
O	Aug. 2-8	55	32,130	14,143	1,104,654	83,374	1,234,356
P	Aug. 9-15	48	12,227	5,318	1,716,736	80,898	1,815,227
Q	Aug. 16-17	0	1,198	1,106	351,035	12,813	366,152
S	Sept. 2-5	0	67	5,792	0	188	6,047
T	Sept. 10-12	0	2	2,831	0	6	2,839
Total		**2,775**	**2,289,502**	**107,381**	**4,767,449**	**615,503**	**7,782,610**

-Continued-

Table 7. (page 2 of 6)

Week[b]		Chinook	Sockeye	Coho	Pink	Chum	Total
South Unimak Fishery (Kenmore Head to Scotch Cap Included in Southwestern and Unimak Districts)							
H	June 15-20	1,857	1,229,179	0	323,373	187,847	1,742,256
I	June 21-26	487	792,119	3	177,693	135,979	1,106,281
L	July 12-18	37	15,416	13,751	4,692	9,337	43,233
M	July 19-25	15	21,861	23,656	29,666	16,809	92,007
N	July 26-Aug. 1	14	18,151	26,383	58,927	12,380	115,855
O	Aug. 2-8	5	2,809	8,436	14,682	2,375	28,307
P	Aug. 9-15	0	1,165	1,452	124,133	1,772	128,522
Q	Aug. 16-17	0	109	424	6,679	860	8,072
S	Sept. 3-4	0	2	419	0	80	501
Total		**2,415**	**2,080,811**	**74,524**	**739,845**	**367,439**	**3,265,034**
Entire South Peninsula[c]							
G	June 7-13	0	5,000	0	1,000	2,000	8,000
H	June 14-20	3,000	1,637,000	0	451,000	282,000	2,373,000
I	June 21-27	1,000	903,000	0	191,000	147,000	1,242,000
J	June 28-July 4	0	29,000	0	0	1,000	30,000
K	July 5-11	0	35,000	0	1,000	9,000	45,000
L	July 12-18	1,000	246,000	39,000	78,000	105,000	469,000
M	July 19-25	1,000	247,000	50,000	551,000	119,000	968,000
N	July 26-Aug. 1	2,000	219,000	131,000	2,210,000	254,000	2,816,000
O	Aug. 2-8	1,000	68,000	51,000	2,398,000	201,000	2,719,000
P	Aug. 9-15	0	34,000	48,000	3,234,000	166,000	3,482,000
Q	Aug. 16-22	0	10,000	64,000	653,000	27,000	754,000
S	Sept. 1-5	0	5,000	17,000	1,000	2,000	25,000
T	Sept. 6-12	0	3,000	11,000	0	1,000	15,000
U	Sept. 13-19	0	3,000	4,000	0	0	7,000
V	Sept. 20-26	0	1,000	2,000	0	0	3,000
Total		**9,000**	**3,445,000**	**417,000**	**9,769,000**	**1,316,000**	**14,956,000**
Aleutian Islands (Unalaska) Area							
N	July 26-Aug. 1	0	800	0	13,000	700	14,500
P	Aug. 9-15	0	2,277	0	288,272	500	291,049
Q	Aug. 16	0	5	0	10,800	30	10,835
Total		**0**	**3,082**	**0**	**312,072**	**1,230**	**316,384**
Atka-Amlia Islands Area							
O	Aug. 2-8	0	0	0	905	3	908
P	Aug. 9-15	0	12	4	4,769	275	5,060
Q	Aug. 16-22	0	205	19	2,168	30	2,422
R	Aug. 23-26	0	14	19	130	0	163
Total		**0**	**231**	**42**	**7,972**	**308**	**8,553**
Urilia Bay Section							
F	June 1-4	0	11	0	0	0	11
G	June 7-13	10	1,702	0	0	195	1,907
H	June 14-20	0	6,119	0	0	690	6,809
J	June 28-July 4	6	24,633	0	0	12,215	36,854
K	July 5-11	0	8,353	0	0	1,368	9,721
M	July 19-25	0	102	0	0	9,205	9,307
Total		**16**	**40,920**	**0**	**0**	**23,673**	**64,609**

-Continued-

Table 7. (page 3 of 6)

Week[b]		Chinook	Sockeye	Coho	Pink	Chum	Total
Swanson Lagoon Section							
H	June 14-20	0	80	0	0	435	515
I	June 21-27	0	165	0	0	203	368
J	June 28-July 4	2	2,774	0	0	246	3,022
K	July 5-11	3	774	10	0	708	1,495
M	July 19-25	1	2,010	0	0	997	3,008
N	July 26-Aug.1	0	5,028	0	20	3,617	8,665
O	Aug. 2-8	1	4,075	5	24	3,365	7,470
P	Aug. 9-10	0	1,065	0	10	185	1,260
S	Sept. 2-3	1	225	520	0	0	746
T	Sept. 10-12	0	78	3,389	0	0	3,467
Total		**8**	**16,274**	**3,924**	**54**	**9,756**	**30,016**
Bechevin Bay Section							
K	July 5-11	0	249	1	3	2,188	2,441
L	July 12-18	0	3	0	0	2,444	2,447
M	July 19-25	0	0	0	30	2,400	2,430
N	July 26-Aug. 1	0	50	0	800	885	1,735
O	Aug. 2-8	0	9	0	50	375	434
P	Aug. 9-15	0	2	5	6,700	1,340	8,047
Total		**0**	**313**	**6**	**7,583**	**9,632**	**17,534**
Izembek-Moffet-Bay Section							
J	June 28-July 4	0	14	0	0	680	694
K	July 5-11	0	6,359	0	0	8,962	15,321
L	July 12-18	0	2,798	0	4	9,767	12,569
M	July 19-25	0	2,609	0	348	13,964	16,921
N	July 26-Aug. 1	0	4,634	0	115	15,259	20,008
O	Aug. 2-8	0	5,128	0	212	13,039	18,379
Total		**0**	**21,542**	**0**	**679**	**61,671**	**83,892**
Nelson Lagoon Section							
F	June 1-3	19	80	0	0	0	99
G	June 7-13	395	2,987	0	0	0	3,382
H	June 14-20	910	23,034	0	0	0	23,944
I	June 21-27	884	35,628	0	0	0	36,512
J	June 28-July 4	384	65,688	0	0	2	66,074
K	July 5-11	94	99,545	0	1	113	99,753
L	July 12-18	82	85,888	2	10	412	86,394
M	July 19-25	9	30,572	3	19	1,286	31,889
N	July 26-Aug. 1	4	19,543	78	38	2,469	22,132
O	Aug. 2-8	2	6,602	295	20	1,328	8,247
P	Aug. 9-15	4	6,184	3,972	21	1,539	11,720
Q	Aug. 16-22	0	2,073	11,387	41	526	14,027
R	Aug. 23-29	0	627	21,799	27	59	22,512
S	Aug. 30-Sept. 5	0	179	19,695	0	4	19,878
T	Sept. 6-9	0	76	16,141	3	0	16,220
Total		**2,787**	**378,706**	**73,372**	**180**	**7,738**	**462,783**
Herendeen Bay							
K	July 5-11	0	1,120	0	170	5,895	7,185
L	July 12-18	0	0	0	716	2,339	3,055
M	July 19-20	0	0	0	713	1,355	2,068
O	Aug. 5-8	0	0	0	78,026	84,857	162,883
P	Aug. 9-15	1	0	0	26,618	32,877	59,496
Total		**1**	**1,120**	**0**	**106,243**	**127,323**	**234,687**

-Continued-

Table 7. (page 4 of 6)

Week[b]		Chinook	Sockeye	Coho	Pink	Chum	Total
Port Moller to Cape Seniavin							
E	May 24-30	8	4	0	0	0	12
F	May 31-June 6	108	147	0	0	25	280
G	June 7-13	639	6,014	0	0	382	7,035
H	June 14-20	693	33,808	0	0	514	35,015
I	June 21-27	1,296	108,589	0	4	2,784	112,673
J	June 28-July 4	359	209,061	0	8	6,421	215,849
K	July 5-11	129	184,072	0	116	9,506	193,823
L	July 12-18	45	138,908	27	2,438	13,224	154,642
M	July 19-25	45	71,100	84	11,467	12,356	95,052
N	July 26-Aug. 1	19	73,402	281	17,054	9,676	100,432
O	Aug. 2-8	15	51,427	784	12,712	7,934	72,872
P	Aug. 9-15	12	200,423	3,189	2,378	4,967	210,969
Q	Aug. 16-22	9	141,335	5,125	1,167	2,164	149,800
R	Aug. 23-29	5	111,950	7,230	573	664	120,422
S	Aug. 30-Sept. 5	2	62,897	4,607	167	151	67,824
T	Sept. 6-9	1	9,911	772	6	12	10,702
Total		**3,385**	**1,403,048**	**22,099**	**48,090**	**70,780**	**1,547,402**
Cape Seniavin to Strogonof Point							
G	June 7-13	0	273	0	0	0	273
H	June 14-20	6	2,158	0	0	0	2,164
I	June 21-27	400	48,782	1	0	160	49,343
J	June 28-July 4	544	490,249	0	21	1,470	492,284
K	July 5-11	246	760,570	4	123	3,771	764,714
L	July 12-18	86	205,007	90	1,151	5,735	212,069
M	July 19-25	43	98,866	359	7,860	6,819	113,947
N	July 26-Aug. 1	37	53,029	2,321	19,304	9,099	83,790
O	Aug. 2-8	4	10,501	748	2,680	1,608	15,541
P	Aug. 9-15	0	10,149	603	238	470	11,460
Q	Aug. 16-22	0	15,806	2,598	113	209	18,726
R	Aug. 23-29	0	4,825	4,386	21	4	9,236
S	Aug. 30-Sept. 5	0	0	4,361	0	0	4,361
T	Sept. 6-8	0	0	2,076	0	0	2,076
Total		**1,366**	**1,700,215**	**17,547**	**31,511**	**29,345**	**1,779,984**
Port Moller to Strogonof Point							
E	May 24-30	8	4	0	0	0	12
F	May 31-June 6	108	147	0	0	25	280
G	June 7-13	639	6,287	0	0	382	7,308
H	June 14-20	699	35,966	0	0	514	37,179
I	June 21-27	1,696	157,371	1	4	2,944	162,016
J	June 28-July 4	903	699,310	0	29	7,891	708,133
K	July 5-11	375	944,642	4	239	13,277	958,537
L	July 12-18	131	343,915	117	3,589	18,959	366,711
M	July 19-25	88	169,966	443	19,327	19,175	208,999
N	July 26-Aug. 1	56	126,431	2,602	36,358	18,775	184,222
O	Aug. 2-8	19	61,928	1,532	15,392	9,542	88,413
Port Moller to Strogonof Point							
P	Aug. 9-15	12	210,572	3,792	2,616	5,437	222,429
Q	Aug. 16-22	9	157,141	7,723	1,280	2,373	168,526
R	Aug. 23-29	5	116,775	11,616	594	668	129,658
S	Aug. 30-Sept. 5	2	62,897	8,968	167	151	72,185
T	Sept. 6-9	1	9,911	2,848	6	12	12,778
Total		**4,751**	**3,103,263**	**39,646**	**79,601**	**100,125**	**3,327,386**

-Continued-

Table 7. (page 5 of 6)

Week[b]		Chinook	Sockeye	Coho	Pink	Chum	Total
Inner Port Heiden Section							
G	June 7-13	933	10	0	0	0	943
H	June 14-20	2,101	258	0	0	26	2,385
I	June 21-27	2,354	1,992	0	0	462	4,808
J	June 28-July 4	35	927	0	0	146	1,108
K	July 5-11	3	624	0	0	537	1,164
L	July 12-18	0	4,197	0	1	10	4,208
Q	Aug. 16-22	0	15	4,613	0	2	4,630
R	Aug. 23-29	0	0	9,078	0	0	9,078
S	Aug. 30-Sept. 3	1	0	3,053	0	0	3,054
Total		**5,427**	**8,023**	**16,744**	**1**	**1,183**	**31,378**
Cinder River Section							
I	June 21-27	125	1,068	0	2	72	1,267
J	June 28-30	2	701	0	0	45	748
N	Aug. 1	0	175	767	0	23	965
O	Aug. 2-8	2	514	1,355	48	74	1,993
P	Aug. 9-15	2	1,454	11,863	0	129	13,448
Q	Aug. 16-22	1	478	22,818	4	10	23,311
R	Aug. 23-29	1	82	22,923	0	2	23,008
S	Aug. 30-Sept. 5	0	0	9,345	0	0	9,345
T	Sept. 6-12	0	0	3,910	0	0	3,910
U	Sept. 13-19	0	0	140	0	0	140
Total		**133**	**4,472**	**73,121**	**54**	**355**	**78,135**
Entire North Peninsula[c]							
G	June 7-13	2,000	11,000	0	0	1,000	14,000
H	June 14-20	4,000	65,000	0	0	2,000	71,000
I	June 21-27	5,000	196,000	0	0	4,000	205,000
J	June 28-July 4	1,000	794,000	0	0	21,000	816,000
K	July 5-11	0	1,062,000	0	0	33,000	1,095,000
L	July 12-18	0	437,000	0	4,000	34,000	475,000
M	July 19-25	0	205,000	0	20,000	48,000	273,000
N	July 26-Aug. 1	0	155,000	3,000	37,000	41,000	236,000
O	Aug. 2-8	0	78,000	3,000	94,000	113,000	288,000
P	Aug. 9-15	0	219,000	20,000	36,000	42,000	317,000
Q	Aug. 16-22	0	160,000	47,000	1,000	3,000	211,000
R	Aug. 23-29	0	117,000	65,000	1,000	1,000	184,000
S	Aug. 30-Sept. 5	0	63,000	42,000	0	0	105,000
T	Sept. 6-12	0	10,000	26,000	0	0	36,000
Total		**12,000**	**3,572,000**	**206,000**	**193,000**	**343,000**	**4,326,000**
Entire Alaska Peninsula, Aleutian Islands, and Atka-Amlia Areas[c]							
G	June 7-13	2,000	16,000	0	1,000	3,000	22,000
H	June 14-20	7,000	1,702,000	0	451,000	284,000	2,444,000
I	June 21-27	6,000	1,099,000	0	191,000	151,000	1,447,000
J	June 28-July 4	1,000	823,000	0	0	22,000	846,000
K	July 5-11	1,000	1,097,000	0	1,000	42,000	1,141,000
L	July 12-18	1,000	683,000	39,000	82,000	139,000	944,000
M	July 19-25	1,000	453,000	50,000	572,000	168,000	1,244,000
N	July 26-Aug. 1	2,000	376,000	134,000	2,260,000	295,000	3,067,000
O	Aug. 2-8	1,000	147,000	54,000	2,493,000	313,000	3,008,000
P	Aug. 9-15	0	256,000	68,000	3,563,000	208,000	4,095,000
Q	Aug. 16-22	0	170,000	111,000	668,000	30,000	979,000
R	Aug. 23-29	0	117,000	65,000	1,000	1,000	184,000
S	Aug. 30-Sept. 5	0	69,000	59,000	2,000	3,000	133,000
T	Sept. 6-12	0	13,000	38,000	0	1,000	52,000
U	Sept. 13-19	0	3,000	4,000	0	0	7,000
V	Sept. 20-26	0	1,000	2,000	0	0	3,000
Total		**22,000**	**7,025,000**	**624,000**	**10,285,000**	**1,660,000**	**19,616,000**

-Continued-

Table 7. (page 6 of 6)

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a Permanent salmon weeks are the 1987 statistical weeks and will be used every year beginning in 1990. Previously, differences in statistical weeks between years made much of the data uncomparable.

b The weeks listed here do not necessarily include the entire week. A complete list of permanent statistical weeks is at the end of the report.

c Catches for the entire South Peninsula, North Peninsula, Aleutian Islands Area, and Atka-Amlia Areas are rounded to the nearest thousand by week, consequently the totals may be slightly in error. Shumagin Islands test fishing catches are included in this table.

Table 8. Units of gear used in the Alaska Peninsula Management Area[a], 1987-1992.

	SEINERS FISHING SOUTH UNIMAK AND SHUMAGINS DURING JUNE	SEINERS FISHING UNALASKA ONLY	FISHED NORTH PENINSULA ONLY DURING JUNE	TOTAL JUNE SEINERS
1987	84	1	4	89
1988	89	2	0	91
1989	96	2	0	98
1990	109	3	1	113
1991	117	1	0	118
1992	112	0	0	112

	DRIFT GILLNETS FISHING SO. UNIMAK & SHUMAGINS DURING JUNE	FISHED NORTH PENINSULA ONLY DURING JUNE (M)	TOTAL AREA M DRIFT GILLNETTERS
1987	140	15	155
1988	147	15	162
1989	144	15	159
1990	153	8	161
1991	157	5	162
1992	141	18	159

	INNER PORT HEIDEN SPRING DRIFT GILLNETTERS (AREA T)	INNER PORT HEIDEN FALL ONLY DRIFT GILLNETTERS (AREA T)	TOTAL INNER PORT HEIDEN DRIFT GILLNETTERS
1987	20	4	24
1988	18	5	23
1989	17	3	20
1990	23	7	30
1991	17	4	21
1992	16	4	20

	AREA T DRIFT GILLNETTERS FISHING ILNIK AND OUTER PORT HEIDEN SECTIONS	AREA T DRIFT GILLNETTERS FISHING CINDER RIVER SECTION EXCLUSIVE OF ILNIK & PORT HEIDEN
1987	17	10
1988	19	19
1989	29	14
1990	0	33
1991	0	48
1992	0	84

-Continued-

Table 8. (page 2 of 2)

TOTAL AREA T DRIFT GILLNETTERS (SEASON)

1987	51
1988	61
1989	63
1990	63
1991	64
1992	104

SET GILLNETTERS (AREA M)

	Sand Point	South Unimak	North Unimak (only)	South Peninsula (Post June only)	Nelson Lagoon	Port Moller to Port Heiden (only)	Total Area M
1987	55	9	1	0	25	7	97
1988	52	11	0	0	28	7	98
1989	51	14	0	0	28	7	100
1990	45	14	0	1	28	6	94
1991	67	11	0	0	27	6	111
1992	61	10	0	0	30	6	107

SET GILLNETTERS (AREA T)

	Inner Port Heiden	Cinder River	Total Area T
1987	5	5	10
1988	6	7	13
1989	5	14	19
1990	5	10	15
1991	4	8	12
1992	4	14	18

[a] During July and August some gillnet (both drift and set) fishermen who have seine permits hand purse seine pink and chum salmon. Four Sand Point set gillnetters listed are seiners during most of the year. These figures were taken while inseason fish editing and will likely differ from Table 28.

Table 9. Number of limited entry permits[a] and fishing effort[b] in the Alaska Peninsula Management Area, 1976-1992.

	PURSE SEINE		DRIFT GILLNET			SET GILLNET		
Year	Area M Permits[a] Available	Area M Permits Fished	Area M Permits Available	Area M Permits[c] Fished	Area T Permits Fished	Area M Permits Available	Area M Permits[c] Fished	Area T Permits Fished
1976	114	90	155	119	10	115	53	6
1977	113	87	156	114	16	108	57	8
1978	123	114	158	133	27	113	61	8
1979	123	130	161	167	18	113	78	13
1980	126	125	163	157	24	113	88	16
1981	127	122	164	155	18	115	88	21
1982	127	119	164	159	23	115	93	18
1983	127	121	166	159	18	114	94	7
1984	126	121	165	160	44	113	104	15
1985	127	123	165	161	44	113	102	18
1986	125	121	165	164	37	114	100	7
1987	125	115	165	163	48	114	108	9
1988	125	114	165	162	59	114	106	14
1989	125	119	165	163	64	114	111	18
1990	126	121	164	161	63	114	114	15
1991	126	126	164	162	69	114	111	12
1992	125	119	164	159	104	114	107	18

[a] Includes both permanent permits and interim use permits. In 1992 there were no interim use permits.

[b] Making at least one delivery during the year.

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

Table 10. North Peninsula salmon runs by species, 1962-1992.

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1962	Catch	5,400	249,700	35,200	31,200	34,900	356,400
	Escapement	4,400	351,200		4,000	150,900	510,500
	Total	9,800	600,900		35,200	185,800	866,900
1963	Catch	3,600	225,200	40,500	6,900	49,900	326,100
	Escapement	6,200	351,000		4,400	203,200	564,800
	Total	9,800	576,200		11,300	253,100	890,900
1964	Catch	3,600	250,800	36,600	6,800	139,000	436,800
	Escapement	25,900	419,900		(15,100)	156,100	617,000
	Total	29,500	670,700		(21,900)	295,100	1,053,800
1965	Catch	6,100	199,500	34,500	2,100	69,700	311,900
	Escapement	22,100	238,400		900	49,300	310,700
	Total	28,200	437,900		3,000	119,000	622,600
1966	Catch	5,600	245,300	37,300	16,000	82,800	387,000
	Escapement	8,200	283,300		2,000	149,000	442,500
	Total	13,800	528,600		18,000	231,800	829,500
1967	Catch	5,500	224,700	46,800	700	41,300	319,000
	Escapement	12,200	299,700		700	122,600	435,200
	Total	17,700	524,400		1,400	163,900	754,200
1968	Catch	4,500	237,100	64,900	200	73,500	380,200
	Escapement	15,800	251,300		26,500	250,800	544,400
	Total	20,300	488,400		26,700	324,300	924,600
1969	Catch	4,800	321,300	49,100	100	28,100	403,400
	Escapement	19,500	575,000		4,400	146,800	745,700
	Total	24,300	896,300		4,500	174,900	1,149,100
1970	Catch	3,200	213,000	26,400	7,800	50,200	300,600
	Escapement	8,300	451,500		11,100	169,800	640,700
	Total	11,500	664,500		18,900	220,000	941,300
1971	Catch	2,200	354,200	16,800	300	64,200	437,700
	Escapement	5,200	435,100		8,600	109,400	558,300
	Total	7,400	789,300		8,900	173,600	996,000
1972	Catch	1,800	179,500	8,000	0	84,700	274,000
	Escapement	5,000	190,200		1,300	124,000	320,500
	Total	6,800	369,700		1,300	208,700	594,500

-Continued-

Table 10. (page 2 of 3)

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1973	Catch	4,400	171,800	6,600	300	155,700	338,800
	Escapement	4,300	180,200		(200)	122,400	307,100
	Total	8,700	352,000		(500)	278,100	645,900
1974	Catch	5,100	247,900	24,000	10,500	35,300	322,800
	Escapement	3,000	332,800		(23,000)	105,100	463,900
	Total	8,100	580,700		(33,500)	140,400	786,700
1975	Catch	2,100	233,500	28,200	300	8,700	272,800
	Escapement	4,600	516,800		600	109,200	631,200
	Total	6,700	750,300		900	117,900	904,000
1976	Catch	4,900	641,100	26,000	600	73,600	746,200
	Escapement	6,000	532,600		37,300	293,400	869,300
	Total	10,900	1,173,700		37,900	367,000	1,615,500
1977	Catch	5,500	471,100	34,100	900	129,100	640,700
	Escapement	7,100	541,100		8,500	681,200	1,237,900
	Total	12,600	1,012,200		9,400	810,300	1,878,600
1978	Catch	14,200	896,200	63,300	466,600	163,400	1,603,700
	Escapement	13,700	1,213,500		96,800	310,500	1,634,500
	Total	27,900	2,109,700		563,400	473,900	3,238,200
1979	Catch	17,100	1,979,500	112,300	5,000	65,700	2,179,600
	Escapement	15,800	1,574,000		9,300	305,300	1,904,400
	Total	32,900	3,553,500		14,300	371,000	4,084,000
1980	Catch	16,800	1,397,100	127,900	301,700	700,200	2,543,700
	Escapement	11,000	1,387,600		103,600	769,500	2,271,700
	Total	27,800	2,784,700		405,300	1,469,700	4,815,400
1981	Catch	18,300	1,844,900	155,400	11,200	706,800	2,736,600
	Escapement	12,400	1,347,900		6,100	535,200	1,901,600
	Total	30,700	3,192,800		17,300	1,242,000	4,638,200
1982	Catch	30,100	1,435,300	238,000	12,300	331,100	2,046,800
	Escapement	20,000	718,400		51,700	457,600	1,247,700
	Total	50,100	2,153,700		64,000	788,700	3,294,500
1983	Catch	29,500	2,093,400	75,100	3,400	348,700	2,550,100
	Escapement	25,700	580,300		4,000	392,600	1,002,600
	Total	55,200	2,673,700		7,400	741,300	3,552,700

-Continued-

Table 10. (page 3 of 3)

Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1984	Catch	23,000	1,734,900	198,500	27,400	796,700	2,780,500
	Escapement	17,700	826,000		56,600	870,200	1,770,500
	Total	40,700	2,560,900		84,000	1,666,900	4,551,000
1985	Catch	23,500	2,600,500	167,800	3,100	671,100	3,466,000
	Escapement	12,900	898,100		1,400	344,200	1,256,600
	Total	36,400	3,498,600		4,500	1,015,300	4,722,600
1986	Catch	11,700	2,463,700	164,100	22,600	271,200	2,933,300
	Escapement	8,700	580,300		13,300	243,600	845,900
	Total	20,400	3,044,000		35,900	514,800	3,779,200
1987	Catch	14,200	1,209,400	171,800	3,500	368,700	1,767,600
	Escapement	10,700	556,000		100	510,900	1,077,700
	Total	24,900	1,765,400		3,600	879,600	2,845,300
1988	Catch	16,800	1,528,100	234,000	65,200	393,500	2,237,600
	Escapement	11,700	614,900	(200-300)[b]	43,500	500,300	
	Total	28,500	2,143,000	(434-534)[b]	108,700	893,800	
1989	Catch	10,900	1,718,800	227,600	4,100	157,100	2,118,500
	Escapement	5,600	814,400	(150-250)[b]	1,900	212,300	
	Total	16,500	2,533,200	377.6-477.6[b]	6,000	369,400	
1990	Catch	12,300	2,415,900	192,800	517,700	125,800	3,264,500
	Escapement	7,100	1,032,200	(140-175)	132,200	226,400	
	Total	19,400	3,448,100	332.8-367.8[b]	649,900	352,200	
1991	Catch	9,400	2,392,100	217,400	4,200	191,300	2,814,400
	Escapement	9,600	1,317,300		6,300	303,300	1,636,500
	Total	19,000	3,709,400		10,500	494,600	4,450,900
1992	Catch	13,100	3,575,500	206,800	194,400	341,600	4,331,400
	Escapement	6,600	861,300		207,600	351,700	1,427,200
	Total	19,700	4,436,800		402,000	693,300	5,758,600

[a] Escapements are indexed totals. Figure in parenthesis are very rough extrapolated estimates.
[b] Numbers of fish in thousands.

Table 11. Northern District chinook salmon runs[a], 1962-1992.

Year		Cinder River	Port Heiden	Three Hills & Ilnik	Bear River	Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1962	Catch	0	400	0	500	700	3,700	0	5,300
	Escapement	0	(1,100)	0	500	0	2,700	(100)	4,400
	Total	0	(1,500)	0	1,000	700	6,400	(100)	9,700
1963	Catch	0	0	0	600	200	2,500	0	3,300
	Escapement	0	(100)	0	200	0	4,000	(1,900)	6,200
	Total	0	(100)	0	800	200	6,500	(1,900)	9,500
1964	Catch	0	0	100	300	0	3,300	0	3,700
	Escapement	5,800	4,200	500	3,000	0	8,400	4,000	25,900
	Total	5,800	4,200	600	3,300	0	11,700	4,000	29,600
1965	Catch	0	1,900	300	100	0	4,000	0	6,300
	Escapement	700	1,000	0	5,400	0	11,900	3,000	22,000
	Total	700	2,900	300	5,500	0	15,900	3,000	28,300
1966	Catch	0	700	0	100	0	2,400	0	3,200
	Escapement	0	(1,300)	0	(300)	0	4,700	1,900	8,200
	Total	0	(2,000)	0	(400)	0	7,100	1,900	11,400
1967	Catch	0	1,400	0	100	400	3,600	0	5,500
	Escapement	(800)	500	300	3,000	0	5,100	1,300	11,000
	Total	(800)	1,900	300	3,100	400	8,700	1,300	16,500
1968	Catch	0	1,000	100	300	1,300	2,800	0	5,500
	Escapement	300	(1,100)	0	2,600	0	7,300	2,700	14,000
	Total	300	(2,100)	100	2,900	1,300	10,100	2,700	19,500
1969	Catch	0	1,400	0	500	500	2,500	0	4,900
	Escapement	800	(1,100)	0	1,000	0	8,100	1,600	12,600
	Total	800	(2,500)	0	1,500	500	10,600	1,600	17,500
1970	Catch	0	0	0	200	400	2,600	0	3,200
	Escapement	200	300	300	1,000	0	2,900	2,000	6,700
	Total	200	300	300	1,200	400	5,500	2,000	9,900
1971	Catch	0	0	100	300	400	1,400	0	2,200
	Escapement	100	100	200	800	0	2,300	(1,500)	5,000
	Total	100	100	300	1,100	400	3,700	(1,500)	7,200
1972	Catch	0	0	100	200	200	1,300	0	1,800
	Escapement	700	1,600	0	100	0	1,400	1,000	4,800
	Total	700	1,600	100	300	200	2,700	1,000	6,600
1973	Catch	0	1,600	0	700	300	1,500	0	4,100
	Escapement	600	600	0	100	0	1,500	800	3,600
	Total	600	2,200	0	800	300	3,000	800	7,700
1974	Catch	0	2,500	0	200	200	2,100	0	5,000
	Escapement	500	700	0	300	0	1,100	400	3,000
	Total	500	3,200	0	500	200	3,200	400	8,000
1975	Catch	0	400	0	300	200	1,200	0	2,100
	Escapement	100	900	0	700	0	2,500	400	4,600
	Total	100	1,300	0	1,000	200	3,700	400	6,700
1976	Catch	0	1,500	100	500	600	2,200	0	4,900
	Escapement	1,600	200	0	500	0	3,300	400	6,000
	Total	1,600	1,700	100	1,000	600	5,500	400	10,900
1977	Catch	0	2,500	100	700	500	1,700	0	5,500
	Escapement	100	700	0	0	0	5,600	700	7,100
	Total	100	3,200	100	700	500	7,300	700	12,600
1978	Catch	0	9,500	0	600	700	3,400	0	14,200
	Escapement	1,100	4,200	0	(200)	0	4,200	4,000	13,700
	Total	1,100	13,700	0	(800)	700	7,600	4,000	27,900
1979	Catch	0	9,700	0	1,400	500	5,400	0	17,000
	Escapement	300	(3,200)	0	0	0	11,000	1,500	15,800
	Total	300	(12,900)	0	1,400	500	16,400	1,500	32,800

-Continued-

Table 11. (Page 2 of 2)

Year		Cinder River	Port Heiden	Three Hills & Ilnik	Bear River	Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1980	Catch	0	5,400	100	1,700	900	8,700	0	16,800
	Escapement	(3,000)	(1,600)	0	100	0	5,500	800	(11,000)
	Total	(3,000)	(7,000)	100	1,800	900	14,200	800	(27,800)
1981	Catch	0	6,100	0	1,100	100	11,000	0	18,300
	Escapement	(3,000)	(1,000)	0	2,300	0	5,200	900	(12,400)
	Total	(3,000)	(7,100)	0	3,400	100	16,200	900	(30,700)
1982	Catch	0	11,000	900	2,900	600	13,500	1,200	30,100
	Escapement	(2,500)	(7,500)	0	900	0	7,000	2,100	20,000
	Total	(2,500)	(18,500)	900	3,800	600	20,500	3,300	50,100
1983	Catch	0	6,800	900	8,600	700	12,100	400	29,500
	Escapement	7,200	900	0	(1,500)	0	12,500	3,600	25,700
	Total	7,200	7,700	900	(10,100)	700	24,600	4,000	55,200
1984	Catch	0	6,400	1,300	6,000	600	7,800	800	22,900
	Escapement	400	7,400	0	600	0	6,300	3,000	17,700
	Total	400	13,800	1,300	6,600	600	14,100	3,800	40,600
1985	Catch	0	4,400	1,700	4,800	1,800	10,900	0	23,600
	Escapement	700	4,700	0	1,200	0	3,200	3,200	13,000
	Total	700	9,100	1,700	6,000	1,800	14,100	3,200	36,600
1986	Catch	0	1,800	1,500	2,900	400	4,800	200	11,600
	Escapement	1,700	2,400	0	800	0	1,800	2,100	8,800
	Total	1,700	4,200	1,500	3,700	400	6,600	2,300	20,400
1987	Catch	0	3,200	900	3,800	300	5,800	100	14,100
	Escapement	900	1,400	0	700	0	4,100	3,600	10,700
	Total	900	4,600	900	4,500	300	9,900	3,700	24,800
1988	Catch	0	5,800	800	3,500	200	6,500	0	16,800
	Escapement	400	2,200	200	1,200	0	3,300	3,300	10,600
	Total	400	8,000	1,000	4,700	200	9,800	3,300	27,400
1989	Catch	100	2,900	500	2,200	300	3,800	1,000	10,800
	Escapement	200	800	0	900	0	3,100	600	5,600
	Total	300	3,700	500	3,100	300	6,900	1,600	16,400
1990	Catch	100	4,700	500	2,100	100	3,600	1,100	12,200
	Escapement	1,600	800	0	1,400	0	2,300	1,000	7,100
	Total	1,700	5,500	500	3,500	100	5,900	2,100	19,300
1991	Catch	0	3,100	300	1,600	200	3,500	600	9,300
	Escapement	600	900	0	700	0	6,800	500	9,500
	Total	600	4,000	300	2,300	200	10,300	1,100	18,800
1992	Catch	100	5,400	300	3,300	100	2,800	0	12,000
	Escapement	300	1,400	0	1,000	0	3,000	900	6,600
	Total	400	6,800	300	4,300	100	5,800	900	18,600

[a] Figures in parenthesis are extrapolated estimates. Escapements are indexed totals.

Table 12. Northwestern District sockeye salmon runs[a], 1962-1992.

Year		Izembek - Moffet Bay	Bechevin, Swanson Lagoon & Urilia Bays	Northwestern District Total
1962	Catch	4,700	4,100	8,800
	Escapement	27,000	(24,000)	(51,000)
	Total	31,700	28,100	(59,800)
1963	Catch	1,700	5,200	6,900
	Escapement	40,000	14,000	54,000
	Total	41,700	19,200	60,900
1964	Catch	4,700	10,300	15,000
	Escapement	50,000	(20,000)	70,000
	Total	54,700	30,300	85,000
1965	Catch	400	14,100	14,500
	Escapement	7,000	6,900	13,900
	Total	7,400	21,000	28,400
1966	Catch	0	16,300	16,300
	Escapement	7,500	12,400	19,900
	Total	7,500	28,700	36,200
1967	Catch	8,100	5,300	13,400
	Escapement	9,000	5,800	14,800
	Total	17,100	11,100	28,200
1968	Catch	11,100	4,600	15,700
	Escapement	10,000	7,800	17,800
	Total	21,100	12,400	33,500
1969	Catch	6,100	3,500	9,600
	Escapement	14,000	39,500	53,500
	Total	20,100	43,000	63,100
1970	Catch	3,100	700	3,800
	Escapement	7,000	(35,000)	(42,000)
	Total	10,100	(35,700)	(45,800)
1971	Catch	6,900	2,400	9,300
	Escapement	4,000	30,000	34,000
	Total	10,900	32,400	43,300
1972	Catch	800	6,200	7,000
	Escapement	5,000	4,800	9,800
	Total	5,800	11,000	16,800
1973	Catch	1,200	2,600	3,800
	Escapement	2,000	5,000	7,000
	Total	3,200	7,600	10,800
1974	Catch	4,700	3,600	8,300
	Escapement	4,000	3,300	7,300
	Total	8,700	6,900	15,600

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Table 12. (page 2 of 3)

Year		Izembek - Moffet Bay	Bechevin, Swanson Lagoon & Urilia Bays	Northwestern District Total
1975	Catch	1,500	1,500	3,000
	Escapement	7,000	12,300	19,300
	Total	8,500	13,800	22,300
1976	Catch	19,000	1,700	20,700
	Escapement	14,000	21,500	35,500
	Total	33,000	23,200	56,200
1977	Catch	3,100	31,500	34,600
	Escapement	26,500	28,600	55,100
	Total	29,600	60,100	89,700
1978	Catch	15,600	24,500	40,100
	Escapement	17,000	28,000	45,000
	Total	32,600	52,500	85,100
1979	Catch	10,800	63,100	73,900
	Escapement	9,000	33,700	42,700
	Total	19,800	96,800	116,600
1980	Catch	34,200	15,200	49,400
	Escapement	11,500	90,100	101,600
	Total	45,700	105,300	151,000
1981	Catch	30,900	20,100	51,000
	Escapement	12,000	60,700	72,700
	Total	42,900	80,800	123,700
1982	Catch	24,500	9,300	33,800
	Escapement	21,500	29,300	50,800
	Total	46,000	38,600	84,600
1983	Catch	15,200	14,300	29,500
	Escapement	18,500	14,200	32,700
	Total	33,700	28,500	62,200
1984	Catch	4,700	197,000	201,700
	Escapement	19,100	70,300	89,400
	Total	23,800	267,300	291,100
1985	Catch	6,200	77,400	83,600
	Escapement	17,200	29,500	46,700
	Total	23,400	106,900	130,300
1986	Catch	19,100	139,200	158,300
	Escapement	15,700	45,700	61,400
	Total	34,800	184,900	219,700
1987	Catch	6,500	137,900	144,400
	Escapement	13,600	36,300	49,900
	Total	20,100	174,200	194,300

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Table 12. (page 3 of 3)

Year		Izembek - Moffet Bay	Bechevin, Swanson Lagoon & Urilia Bays	Northwestern District Total
1988	Catch	11,500	67,000	78,500
	Escapement	17,300	35,600	52,900
	Total	28,800	102,600	131,400
1989	Catch	8,600	44,000	52,600
	Escapement	22,500	58,100	80,600
	Total	31,100	102,100	133,200
1990	Catch	39,400	119,500	158,900
	Escapement	33,700	83,100	116,800
	Total	73,100	202,600	275,700
1991	Catch	24,500	156,700	181,200
	Escapement	51,600	86,700	138,300
	Total	76,100	243,400	138,300
1992	Catch	21,500	57,500	79,000
	Escapement	53,300	46,900	100,200
	Total	74,800	104,400	179,200

[a] Figures in parenthesis are extrapolated estimates. Escapements are indexed totals.

Table 13. Northern District sockeye salmon runs, 1962-1992.

Year		Cinder River	Port Heiden	Three Hills & Ilnik	Bear River	Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1962	Catch	900	17,800	9,700	142,900	0	69,600	0	240,900
	Escapement	5,000	(19,000)	5,900	215,000	100	54,200	1,000	300,200
	Total	5,900	(36,800)	15,600	357,900	100	123,800	1,000	541,100
1963	Catch	0	0	26,600	120,000	0	71,500	0	218,100
	Escapement	1,400	(14,200)	10,400	238,600	100	31,000	(1,300)	297,000
	Total	1,400	(14,200)	37,000	358,600	100	102,500	(1,300)	515,100
1964	Catch	0	6,300	33,300	107,500	0	88,700	0	235,800
	Escapement	1,500	10,000	(6,500)	250,200	200	80,000	1,500	349,900
	Total	1,500	16,300	(39,800)	357,700	200	168,700	1,500	585,700
1965	Catch	0	9,700	58,400	62,400	100	53,800	0	184,400
	Escapement	7,500	30,000	(12,500)	137,000	0	37,000	500	224,500
	Total	7,500	39,700	(70,900)	199,400	100	90,800	500	408,900
1966	Catch	0	8,000	11,000	152,600	0	60,000	0	231,600
	Escapement	3,000	(11,700)	24,300	185,000	600	36,500	2,300	263,400
	Total	3,000	(19,700)	35,300	337,600	600	96,500	2,300	495,000
1967	Catch	0	3,100	0	156,100	12,500	40,200	0	211,900
	Escapement	(3,800)	(12,000)	26,400	200,000	200	42,000	(500)	284,900
	Total	(3,800)	(15,100)	26,400	356,100	12,700	82,200	(500)	496,800
1968	Catch	0	0	78,600	90,500	3,400	51,100	0	223,600
	Escapement	4,100	(15,000)	(15,000)	166,000	400	31,000	(2,000)	233,500
	Total	4,100	(15,000)	(93,600)	256,500	3,800	82,100	(2,000)	457,100
1969	Catch	0	5,200	24,000	205,500	4,400	72,800	0	311,900
	Escapement	(3,800)	(15,000)	(15,600)	406,000	100	78,500	(2,500)	521,500
	Total	(3,800)	(20,200)	(39,600)	611,500	4,500	151,300	(2,500)	833,400
1970	Catch	0	0	44,800	110,000	1,700	52,700	0	209,200
	Escapement	1,500	14,100	16,100	294,000	0	82,400	1,400	409,500
	Total	1,500	14,100	60,900	404,000	1,700	135,100	1,400	618,700
1971	Catch	0	0	57,100	238,600	1,700	47,500	0	344,900
	Escapement	2,000	30,800	26,500	281,000	200	60,100	500	401,100
	Total	2,000	30,800	83,600	519,600	1,900	107,600	500	746,000
1972	Catch	0	0	12,000	136,200	1,100	23,200	0	172,500
	Escapement	400	3,500	13,100	135,400	0	28,000	0	180,400
	Total	400	3,500	25,100	271,600	1,100	51,200	0	352,900
1973	Catch	0	1,500	21,500	117,300	4,200	23,900	0	168,400
	Escapement	1,200	7,200	16,000	130,100	0	18,700	0	173,200
	Total	1,200	8,700	37,500	247,400	4,200	42,600	0	341,600
1974	Catch	0	2,500	47,000	140,900	7,700	25,200	0	223,300
	Escapement	1,300	1,400	14,600	266,500	0	39,900	1,800	325,500
	Total	1,300	3,900	61,600	407,400	7,700	65,100	1,800	548,800
1975	Catch	0	600	8,700	166,000	3,700	51,500	0	230,500
	Escapement	900	5,100	40,800	310,000	100	138,600	2,000	497,500
	Total	900	5,700	49,500	476,000	3,800	190,100	2,000	728,000
1976	Catch	0	5,000	219,700	310,900	9,900	74,900	0	620,400
	Escapement	6,300	30,300	15,700	328,000	500	108,900	7,400	497,100
	Total	6,300	35,300	235,400	638,900	10,400	183,800	7,400	1,117,500
1977	Catch	0	3,400	97,000	268,700	11,000	56,400	0	436,500
	Escapement	3,900	23,600	20,700	265,200	13,500	155,000	4,100	486,500
	Total	3,900	27,000	117,700	533,900	24,500	211,400	4,100	922,500
1978	Catch	0	800	32,200	556,400	53,700	213,400	0	856,500
	Escapement	3,800	18,800	21,200	814,000	4,900	304,300	1,500	1,168,500
	Total	3,800	19,600	53,400	1,370,400	58,600	517,700	1,500	2,025,000

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Table 13. (page 2 of 2)

Year		Cinder River	Port Heiden	Three Hills & Ilnik	Bear River	Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1979	Catch	100	36,900	194,400	1,320,900	32,100	320,900	0	1,905,300
	Escapement	6,000	(46,700)	97,500	1,013,000	5,000	360,100	3,000	1,531,300
	Total	6,100	(83,600)	291,900	2,333,900	37,100	681,000	3,000	3,436,600
1980	Catch	0	24,600	252,200	741,900	10,500	318,500	0	1,347,700
	Escapement	30,000	(47,000)	(100,000)	751,000	1,500	352,600	3,900	1,286,000
	Total	30,000	(71,600)	(352,200)	1,492,900	12,000	671,100	3,900	2,633,700
1981	Catch	0	3,800	68,900	1,327,800	18,600	374,700	0	1,793,800
	Escapement	100,000	(26,600)	(151,000)	741,500	600	251,000	(4,000)	1,274,700
	Total	100,000	(30,400)	(219,000)	2,069,300	19,200	625,700	(4,000)	3,068,500
1982	Catch	0	8,800	142,500	1,009,300	11,300	229,200	400	1,401,500
	Escapement	(13,000)	(62,000)	(43,000)	361,300	500	179,600	6,000	665,400
	Total	(13,000)	(70,800)	(185,500)	1,370,600	11,800	408,800	6,400	2,066,900
1983	Catch	100	100	729,600	1,126,200	15,000	192,900	0	2,063,900
	Escapement	9,000	8,600	40,100	358,000	500	128,800	2,600	547,600
	Total	9,100	8,700	769,700	1,484,200	15,500	321,700	2,600	2,611,500
1984	Catch	0	1,700	743,700	637,400	31,400	118,800	0	1,533,000
	Escapement	16,000	31,100	22,300	414,000	700	251,000	600	735,700
	Catch	16,000	32,800	766,000	1,051,400	32,100	369,800	600	2,268,700
1985	Catch	300	5,100	978,200	822,500	4,500	706,300	0	2,516,900
	Escapement	12,600	45,500	22,700	451,500	700	314,800	3,700	851,500
	Total	12,900	50,600	1,000,900	1,274,000	5,200	1,021,100	3,700	3,368,400
1986	Catch	700	38,000	1,148,800	938,200	1,300	178,400	0	2,305,400
	Escapement	25,700	26,400	66,900	279,400	300	117,900	2,300	518,900
	Total	26,400	64,400	1,215,700	1,217,600	1,600	296,300	2,300	2,824,300
1987	Catch	200	2,300	719,300	214,000	700	128,500	100	1,065,100
	Escapement	15,300	28,300	30,700	266,700	700	155,700	8,700	506,100
	Total	15,500	30,600	750,000	480,700	1,400	284,200	8,800	1,571,200
1988	Catch	0	10,600	753,600	495,000	3,900	186,600	0	1,449,700
	Escapement	2,000	35,900	26,900	347,500	400	142,500	6,900	562,100
	Total	2,000	46,500	780,500	842,500	4,300	329,100	6,900	2,011,800
1989	Catch	800	13,600	749,000	557,800	5,700	325,000	14,300	1,666,200
	Escapement	4,000	11,200	16,700	487,000	500	206,800	7,600	733,800
	Total	4,800	24,800	765,700	1,044,800	6,200	531,800	21,900	2,400,000
1990	Catch	1,200	9,700	941,800	876,200	4,300	410,200	12,600	2,256,000
	Escapement	14,000	26,800	35,800	564,300	400	269,200	5,700	916,200
	Total	15,200	36,500	977,600	1,440,500	4,700	679,400	18,300	3,172,200
1991	Catch	300	5,400	864,900	1,044,700	4,600	274,600	16,400	2,210,900
	Escapement	47,400	26,500	135,200	681,200	(500)	279,200	9,000	1,179,000
	Total	47,700	31,900	1,000,100	1,725,900	5,100	553,800	25,400	3,389,900
1992	Catch	4,500	8,000	1,700,200	1,398,300	5,900	378,700	900	3,496,500
	Escapement	15,200	33,100	45,100	471,200	200	179,700	16,600	761,100
	Total	19,700	41,100	1,745,300	1,869,500	6,100	558,400	17,500	4,257,600

[a] Figures in parenthesis are extrapolated estimates. Except for Bear and Nelson Rivers where weir and tower counts are used, escapements are indexed totals.

Table 14. North Peninsula coho salmon catches by district and section, 1979-1992.

Section	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Dublin Bay	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urilia Bay	0	0	0	0	0	0	0	3,300	7,600	4,800	0	1,300	0	0
Swanson Lagoon	6,500	0	500	0	700	12,700	26,200	22,000	8,300	12,300	7,000	4,600	18,900	3,900
Bechevin Bay	0	100	0	100	700	400	1,400	0	800	100	1,500	0	100	0
Izembek-Moffet Bay	0	0	0	0	0	0	0	0	2,900	3,000	100	0	0	0
Northwestern District Total	6,500	100	500	100	1,400	13,100	27,600	25,300	19,600	20,200	8,600	5,900	19,000	3,900
Black Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caribou Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nelson Lagoon	80,000	80,300	133,500	170,700	64,000	113,300	88,200	99,300	83,700	95,400	119,300	79,200	66,500	73,400
Herendeen-Moller B.	100	100	100	400	400	700	500	0	0	0	0	600	200	0
Bear River	1,900	4,900	4,600	11,600	4,200	10,600	15,000	11,300	5,000	15,700	14,500	20,100	36,300	22,100
Three Hills	100	0	0	200	0	3,000	1,400	1,900	2,100	3,300	1,400	1,100	2,500	4,600
Ilnik	0	400	0	13,100	2,700	6,200	6,200	5,400	21,300	35,000	26,000	11,400	5,000	13,000
Inner Port Heiden	16,200	13,300	3,800	18,700	1,700	21,600	15,400	19,400	27,500	27,300	25,900	38,900	37,300	16,700
Outer Port Heiden	0	0	0	0	0	0	0	1,200	0	8,600	14,300	0	0	0
Cinder River	8,000	28,600	12,900	23,400	700	30,000	13,500	300	12,600	28,500	17,500	35,800	50,600	73,100
Northern District Total	106,300	127,600	154,900	238,100	73,700	185,400	140,200	138,800	152,200	213,800	218,900	187,100	198,400	202,900
NORTH PENINSULA TOTAL	112,800	127,700	155,400	238,200	75,100	198,500	167,800	164,100	171,800	234,000	227,500	193,000	217,400	206,800

Table 15. Northwestern District pink salmon runs, 1962-1992[a].

Year		Izembek - Moffet Bay	Bechevin, Swanson Lagoon & Urilia Bays	Northwestern District Total
1962	Catch	0	30,800	30,800
	Escapement	0	4,000	4,000
	Total	0	34,800	34,800
1963	Catch	0	6,000	6,000
	Escapement	0	4,400	4,400
	Total	0	10,400	10,400
1964	Catch	100	6,700	6,800
	Escapement	0	(15,000)	(15,000)
	Total	100	21,700	21,800
1965	Catch	0	2,000	2,000
	Escapement	0	900	900
	Total	0	2,900	2,900
1966	Catch	0	16,000	16,000
	Escapement	400	1,300	1,700
	Catch	400	17,300	17,700
1967	Catch	0	300	300
	Escapement	200	500	700
	Total	200	800	1,000
1968	Catch	0	0	0
	Escapement	1,500	25,000	26,500
	Total	1,500	25,000	26,500
1969	Catch	0	0	0
	Escapement	2,300	2,100	4,400
	Total	2,300	2,100	4,400
1970	Catch	0	7,800	7,800
	Escapement	0	11,100	11,100
	Total	0	18,900	18,900
1971	Catch	0	300	300
	Escapement	100	8,400	8,500
	Total	100	8,700	8,800
1972	Catch	0	0	0
	Escapement	0	1,200	1,200
	Total	0	1,200	1,200
1973	Catch	0	0	0
	Escapement	0	(200)	(200)
	Total	0	(200)	(200)
1974	Catch	0	10,300	10,300
	Escapement	0	(23,000)	(23,000)
	Total	0	(33,300	(33,300)

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Table 15. (page 2 of 3)

Year		Izembek - Moffet Bay	Bechevin, Swanson Lagoon & Urilia Bays	Northwestern District Total
1975	Catch	0	0	0
	Escapement	100	500	600
	Total	100	500	600
1976	Catch	0	0	0
	Escapement	100	37,200	37,300
	Total	100	37,200	37,300
1977	Catch	0	0	0
	Escapement	200	6,200	6,400
	Total	200	6,200	6,400
1978	Catch	2,200	465,600	467,800
	Escapement	0	90,400	90,400
	Total	2,200	556,000	558,200
1979	Catch	0	1,600	1,600
	Escapement	0	9,300	9,300
	Total	0	10,900	10,900
1980	Catch	0	297,900	297,900
	Escapement	0	94,000	94,000
	Total	0	391,900	391,900
1981	Catch	0	9,100	9,100
	Escapement	0	5,700	5,700
	Total	0	14,800	14,800
1982	Catch	0	5,100	5,100
	Escapement	200	51,500	51,700
	Total	200	56,600	56,800
1983	Catch	0	1,300	1,300
	Escapement	0	3,900	3,900
	Total	0	5,200	5,200
1984	Catch	100	9,700	9,800
	Escapement	0	33,000	33,000
	Total	100	42,700	42,800
1985	Catch	0	2,000	2,000
	Escapement	0	1,400	1,400
	Total	0	3,400	3,400
1986	Catch	0	9,900	9,900
	Escapement	0	12,900	12,900
	Total	0	22,800	22,800
1987	Catch	0	800	800
	Escapement	0	1,100	1,100
	Total	0	1,900	1,900

-Continued-

Table 15. (page 3 of 3)

Year		Izembek - Moffet Bay	Bechevin, Swanson Lagoon & Urilia Bays	Northwestern District Total
1988	Catch	1,200	29,000	30,200
	Escapement	1,800	26,700	28,500
	Total	3,000	55,700	58,700
1989	Catch	0	3,200	3,200
	Escapement	0	1,900	1,900
	Total	0	5,100	5,100
1990	Catch	0	100	100
	Escapement	21,800	400	22,200
	Total	21,800	500	22,300
1991	Catch	0	3,400	3,400
	Escapement	0	1,200	1,200
	Total	0	4,600	4,600
1992	Catch	700	7,600	8,300
	Escapement	600	49,400	50,000
	Total	1,300	57,000	58,300

[a]Figures in parenthesis are extrapolated estimates. Escapements are indexed totals.

Table 16. Northwestern District chum salmon runs, 1962-1992[a].

Year		Izembek - Moffet Bay	Bechevin, Swanson Lagoon & Urilia Bays	Northwestern District Total
1962	Catch	6,200	8,500	14,700
	Escapement	68,00	48,000	116,500
	Total	74,200	57,000	131,200
1963	Catch	3,200	41,300	44,500
	Escapement	133,500	22,300	155,800
	Total	136,700	63,600	200,300
1964	Catch	60,200	25,700	85,900
	Escapement	95,500	(16,000)	111,500
	Total	155,700	41,700	197,400
1965	Catch	4,700	44,600	49,300
	Escapement	24,000	(1,800)	25,800
	Total	28,700	46,400	75,100
1966	Catch	8,900	47,200	56,100
	Escapement	54,000	10,000	64,000
	Total	62,900	57,200	120,100
1967	Catch	9,900	8,900	18,800
	Escapement	32,800	15,400	48,200
	Total	42,700	24,300	67,000
1968	Catch	48,800	200	49,000
	Escapement	142,700	19,800	162,500
	Total	191,500	20,000	211,500
1969	Catch	4,500	1,400	5,900
	Escapement	95,300	8,000	103,300
	Total	99,800	9,400	109,200
1970	Catch	10,000	2,500	12,500
	Escapement	58,100	(5,600)	63,700
	Total	68,100	8,100	76,200
1971	Catch	36,300	7,500	43,800
	Escapement	54,100	5,900	60,000
	Total	90,400	13,400	103,800
1972	Catch	57,900	1,500	59,400
	Escapement	65,800	11,200	77,000
	Total	123,700	12,700	136,400
1973	Catch	96,600	6,500	103,100
	Escapement	68,100	(7,500)	75,600
	Total	164,700	(14,000)	178,700
1974	Catch	11,200	3,000	14,200
	Escapement	76,000	(6,100)	82,100
	Total	87,200	9,100	96,300

-Continued-

Table 16. (page 2 of 3)

Year		Izembek - Moffet Bay	Bechevin, Swanson Lagoon & Urilia Bays	Northwestern District Total
1975	Catch	3,400	500	3,900
	Escapement	74,300	17,300	91,600
	Total	77,700	17,800	95,500
1976	Catch	38,100	7,900	46,000
	Escapement	127,700	38,300	166,000
	Total	165,800	46,200	212,000
1977	Catch	20,300	22,600	42,900
	Escapement	381,400	54,300	435,700
	Total	401,700	76,900	478,600
1978	Catch	82,300	48,400	130,700
	Escapement	134,100	29,500	163,600
	Total	216,400	77,900	294,300
1979	Catch	17,800	12,500	30,300
	Escapement	178,000	12,400	190,400
	Total	195,800	24,900	220,700
1980	Catch	282,500	85,000	367,500
	Escapement	364,200	41,100	405,300
	Total	646,700	126,100	772,800
1981	Catch	296,400	59,100	355,500
	Escapement	235,000	29,600	264,600
	Total	531,400	88,700	620,100
1982	Catch	57,500	37,700	95,200
	Escapement	166,400	23,800	190,200
	Total	223,900	61,500	285,400
1983	Catch	154,800	14,900	169,700
	Escapement	173,300	20,200	193,500
	Total	328,100	35,100	363,200
1984	Catch	102,700	79,800	182,500
	Escapement	427,500	33,400	460,900
	Total	530,200	113,200	643,400
1985	Catch	126,600	116,500	243,100
	Escapement	194,700	25,700	220,400
	Total	321,300	142,200	463,500
1986	Catch	69,100	44,500	113,600
	Escapement	142,400	23,300	165,700
	Total	211,500	67,800	279,300
1987	Catch	148,600	64,600	213,200
	Escapement	286,000	55,500	341,500
	Total	434,600	120,100	554,700

-Continued-

Table 16. (page 3 of 3)

Year		Izembek - Moffet Bay	Bechevin, Swanson Lagoon & Urilia Bays	Northwestern District Total
1988	Catch	112,200	66,100	178,300
	Escapement	304,400	51,800	356,200
	Total	416,600	117,900	534,500
1989	Catch	14,500	11,300	25,800
	Escapement	90,600	19,400	110,000
	Total	105,100	30,700	135,800
1990	Catch	24,000	6,600	30,600
	Escapement	92,500	18,400	110,900
	Total	116,500	25,000	141,500
1991	Catch	51,500	11,200	62,700
	Escapement	172,400	49,400	221,800
	Total	223,900	60,600	284,500
1992	Catch	61,700	43,000	104,700
	Escapement	182,200	33,100	215,300
	Total	243,900	76,100	320,000

[a] Figures in parenthesis are extrapolated estimates. Escapements are indexed totals.

Table 17. Northern District chum salmon runs, 1962-1992.

Year		Cinder River	Port Heiden	Three Hills & Ilnik	Bear River	Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1962	Catch	200	8,600	600	7,000	0	3,700	0	20,100
	Escapement	500	(1,900)	(1,500)	1,500	18,300	9,700	(1,000)	34,400
	Total	700	(10,500)	(2,100)	8,500	18,300	13,400	(1,000)	54,500
1963	Catch	0	0	700	600	0	4,100	0	5,400
	Escapement	1,200	(7,400)	(1,500)	(3,000)	26,000	7,000	(1,300)	47,000
	Total	1,200	(7,400)	(2,200)	(3,600)	26,000	11,000	(1,300)	52.800
1964	Catch	0	0	2,300	6,500	39,800	3,400	0	52,000
	Escapement	200	1,000	(1,500)	3,000	35,900	2,000	(1,000)	44,600
	Total	200	1,000	(3,800)	9,500	75,700	5,400	(1,000)	96,600
1965	Catch	0	800	2,300	1,500	13,600	2,200	0	20,400
	Escapement	0	8,500	(1,500)	1,000	8,000	4,000	(500)	23,500
	Total	0	9,300	(3,800)	2,500	21,600	6,200	(500)	43,900
1966	Catch	0	0	300	3,700	17,900	4,800	0	26,700
	Escapement	4,400	(3,400)	(1,500)	1,000	56,200	17,000	2,000	85,500
	Total	4,400	(3,400)	(1,800)	4,700	74,100	21.800	2,000	112,200
1967	Catch	0	0	0	13,600	2,400	5,100	0	21,100
	Escapement	2,500	3,000	9,600	2,500	25,000	29,800	(2,000)	74,400
	Total	2,500	3,000	9,600	16,100	27,400	34,900	(2,000)	95,500
1968	Catch	0	0	3,100	7,500	10,500	3,500	0	24,600
	Escapement	0	(11,000)	0	9,500	47,700	18,100	2,000	88,300
	Total	0	(11,000)	3,100	17,000	58,200	21,600	2,000	112,900
1969	Catch	0	1,200	1,300	10,300	7,800	3,500	0	24,100
	Escapement	2,500	(11,000)	(1,500)	1,000	14,000	13,000	500	43,500
	Total	2,500	(12,200)	(2,800)	11,300	21,800	16,500	500	67,600
1970	Catch	0	0	3,200	14,600	12,200	1,500	0	31,500
	Escapement	1,300	22,000	500	2,000	42,800	36,000	(1,500)	106,100
	Total	1,300	22,000	3,700	16,600	55,000	37,500	(1,500)	137,600
1971	Catch	0	0	2,500	12,900	1,200	3,800	0	20,400
	Escapement	2,500	12,100	800	0	14,500	19,000	(500)	49,400
	Total	2,500	12,100	3,300	12,900	15,700	22,800	(500)	69,800
1972	Catch	0	0	800	14,000	7,300	3,200	0	25,300
	Escapement	5,300	12,200	500	3,700	8,000	16,800	(500)	47,000
	Total	5,300	12,200	1,300	17,700	15,300	20,000	(500)	72,300

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Table 17. (page 2 of 3)

Year		Cinder River	Port Heiden	Three Hills & Ilnik	Bear River	Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1973	Catch	0	2,500	900	34,200	13,200	1,800	0	52,600
	Escapement	600	22,800	800	800	3,700	12,700	0	46,800
	Total	600	25,300	1,700	35,000	16,900	14,500	0	99,400
1974	Catch	0	1,000	1,300	11,400	3,200	500	0	17,400
	Escapement	4,600	4,500	0	1,500	3,700	8,300	400	23,000
	Total	4,600	5,500	1,300	12,900	6,900	8,800	400	4400
1975	Catch	0	0	100	3,800	200	700	0	4,800
	Escapement	300	1,500	2,000	2,000	7,300	4,500	0	17,600
	Total	300	1,500	2,100	5,800	7,500	5,200	0	22,400
1976	Catch	0	1,100	2,900	12,300	5,500	5,800	0	27,600
	Escapement	1,900	30,700	5,700	18,000	28,500	42,500	100	127,400
	Total	1,900	31,800	8,600	30,300	34,000	48,300	100	155,000
1977	Catch	0	0	7,100	32,300	34,800	10,700	0	84,900
	Escapement	(1,700)	32,000	(1,500)	17,000	108,500	83,300	1,500	245,500
	Total	(1,700)	32,000	(8,600)	49,300	143,300	94,000	1,500	330,400
1978	Catch	0	0	1,200	14,600	6,600	10,300	0	32,700
	Escapement	7,400	22,000	(1,500)	(15,500)	89,300	10,200	(1,000)	146,900
	Total	7,400	22,000	(2,700)	(30,100)	95,900	20,500	(1,000)	179,600
1979	Catch	0	800	700	17,400	10,900	5,700	0	35,500
	Escapement	(3,600)	(32,700)	0	7,000	30,600	37,000	4,000	114,900
	Total	(3,600)	(33,500)	700	24,400	41,500	42,700	4,000	150,400
1980	Catch	0	2,600	29,700	161,700	59,600	80,100	0	333,700
	Escapement	(10,000)	0	(10,000)	20,000	116,100	164,000	10,400	364,000
	Total	(10,000)	(36,300)	(39,700)	181,700	175,700	244,100	10,400	697,900
1981	Catch	0	200	7,100	155,000	126,200	62,800	0	351,300
	Escapement	(11,800)	(73,400)	(11,000)	27,200	85,000	57,000	(11,000)	276,400
	Total	(11,800)	(73,600)	(18,100)	182,200	211,200	119,800	(11,000)	627,700
1982	Catch	0	700	21,200	142,400	50,200	21,400	100	236,000
	Escapement	(5,500)	(35,500)	1,000	42,400	152,000	29,100	(2,000)	267,500
	Total	(5,500)	(36,200)	22,200	184,800	202,200	50,500	(2,100)	503,500
1983	Catch	0	0	26,100	87,700	51,300	14,000	0	179,100
	Escapement	17,200	14,500	11,200	(15,000)	126,000	14,000	1,200	199,100
	Total	17,200	14,500	37,300	(102,700)	177,300	28,000	1,200	378,200

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Table 17. (page 3 of 3)

Year		Cinder River	Port Heiden	Three Hills & Ilnik	Bear River	Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1984	Catch	0	200	174,200	242,300	119,200	78,400	0	614,300
	Escapement	13,000	85,000	4,000	7,000	241,300	49,000	10,000	409,300
	Total	13,000	85,200	178,200	249,300	360,500	127,400	10,000	1,023,600
1985	Catch	0	0	86,600	68,300	266,400	6,600	0	427,900
	Escapement	3,200	26,500	200	5,200	71,700	13,000	4,100	123,900
	Total	3,200	26,500	86,800	73,500	338,100	19,600	4,100	551,800
1986	Catch	100	800	38,700	86,700	27,800	3,600	0	157,700
	Escapement	2,200	12,000	0	6,400	55,800	0,800	700	77,900
	Total	2,300	12,800	38,700	93,100	83,600	4,400	700	235,600
1987	Catch	0	1,000	48,000	85,500	14,200	6,700	0	155,400
	Escapement	12,400	55,400	100	5,000	88,600	5,200	4,700	171,400
	Total	12,400	56,400	48,100	90,500	102,800	11,900	4,700	326,800
1988	Catch	0	4,800	48,200	73,700	75,800	12,600	0	215,100
	Escapement	5,300	41,600	100	3,000	76,500	11,000	6,600	144,100
	Total	5,300	46,400	48,300	76,700	152,300	23,600	6,600	359,200
1989	Catch	0	1,200	16,900	40,300	66,000	5,000	1,900	131,300
	Escapement	5,000	8,900	0	3,500	83,400	0,800	700	102,300
	Total	5,000	10,100	16,900	43,800	149,400	5,800	2,600	233,600
1990	Catch	100	300	7,700	26,900	57,100	2,200	800	95,100
	Escapement	4,000	7,000	(200)	1,100	101,600	(1,000)	700	115,600
	Total	4,100	7,300	7,900	28,000	158,700	3,200	1,500	210,700
1991	Catch	200	400	20,800	72,800	23,600	7,400	3,400	128,600
	Escapement	4,500	13,400	0	(2,400)	55,000	(5,000)	1,200	81,500
	Total	4,700	13,800	20,800	75,200	78,600	12,400	4,600	210,100
1992	Catch	400	1,200	29,300	62,200	135,900	7,700	200	236,900
	Escapement	5,000	22,100	300	500	89,700	16,200	2,600	136,400
	Total	5,400	23,300	29,600	62,700	225,600	23,900	2,800	373,300

[a]Figures in parenthesis are extrapolated estimates. Escapements are indexed totals.

Table 18. Nelson Lagoon salmon runs, fish in thousands, 1960-1992.

	CHINOOK			SOCKEYE			CHUM			COHO
Year	Escape-ment	Catch	Total	Escape-ment	Catch	Total	Escape-ment	Catch	Total	Catch
1960	-	5.4	-	48.0	93.5	141.5	15.0	16.3	31.3	31.4
1961	0.3	3.7	4.0	138.2	76.8	215.0	10.1	1.9	12.0	20.3
1962	2.7	3.7	6.4	54.2	69.6	123.8	9.7	3.7	13.4	30.0
1963	4.0	2.5	6.5	31.0	71.5	102.5	7.0	4.1	11.1	33.4
1964	8.4	3.3	11.7	80.0	88.7	168.7	2.0	3.4	5.4	30.2
1965	11.9	4.0	15.9	37.0	53.8	90.8	4.0	2.2	6.2	28.4
1966	4.7	2.4	7.1	36.5	60.0	96.5	17.0	4.8	21.8	27.6
1967	5.1	3.6	8.7	42.0	40.2	82.2	29.8	5.1	34.9	34.8
1968	7.3	2.8	10.1	31.0	51.1	82.1	18.1	3.5	21.6	55.9
1969	8.1	2.5	10.6	78.5	72.8	151.3	13.0	1.5	14.5	34.3
1970	2.9	2.6	5.5	82.4	52.7	135.1	36.0	7.7	43.7	24.7
1971	2.3	1.4	3.7	60.1	47.5	107.6	19.0	3.8	22.8	6.9
1972	1.4	1.3	2.7	28.0	23.2	51.2	16.8	3.2	20.0	7.3
1973	1.5	1.5	3.0	18.7	23.9	42.6	12.7	1.8	14.5	16.6
1974	1.1	2.1	3.2	39.9	25.2	65.1	8.3	0.5	8.8	15.8
1975	2.5	1.2	3.7	138.6	51.5	190.1	4.5	0.7	5.2	21.3
1976	3.3	2.2	5.5	108.9	74.9	183.8	42.5	5.8	48.3	19.3
1977	5.6	1.7	7.3	155.0	56.4	211.4	83.3	10.7	94.0	22.3
1978	4.2	3.4	7.6	304.3	213.4	517.7	10.2	10.3	20.5	30.9
1979	11.0	5.4	16.4	360.1	320.9	681.0	37.0	5.7	42.7	80.0
1980	5.5	8.7	14.2	352.6	318.5	671.1	164.0	80.1	244.1	80.3
1981	5.2	11.0	16.2	251.0	374.7	625.7	57.0	62.8	119.8	133.5
1982	7.0	13.5	20.5	179.6	229.2	408.8	29.1	21.4	50.5	170.7
1983	12.5	12.1	24.6	128.8	192.9	321.7	14.0	14.0	28.0	64.0
1984	6.3	7.8	14.1	251.0	118.8	369.8	49.0	78.4	127.4	113.3
1985	3.2	10.9	14.1	318.5	706.3	1024.8	13.0	6.6	19.6	88.2
1986	1.8	4.8	6.6	117.9	178.4	296.3	1.8	3.6	5.4	99.3
1987	4.1	5.8	9.9	155.7	128.5	284.2	5.2	6.7	11.9	83.7
1988	3.3	6.5	9.8	142.5	186.6	329.1	11.0	12.6	23.6	95.4
1989	3.1	3.8	6.9	206.8	325.0	531.8	0.8	5.0	5.8	119.3
1990	2.3	3.6	5.9	269.2	410.2	679.4	-	2.1	-	79.2
1991	6.8	3.5	10.3	279.2	274.6	553.8	-	7.4	-	66.5
1992	3.0	2.8	5.8	179.7	378.7	558.4	16.2	7.7	23.9	73.4

Table 19. Daily Nelson Lagoon Section chinook salmon catches and number of permits fished, all gear combined, 1979-1992.

Date		1979		1980		1981		1982		1983	
		Permits	Catch	Permits	Catch	Permits	Catch	Permits	Catch	Permits	Catch
May	30										
	31							5	151		
June	1							5	97		
	2							10	159	a	25
	3							a	a		
	4										
	5										
	6									9	297
	7							17	793	11	309
	8							10	400	12	305
	9							8	345	11	255
	10							9	296		
	11					17	1,513				
	12					20	1,597				
	13	13	1,078							14	1,164
	14	13	668					5	96	14	616
	15	15	319			20	788	18	778	11	397
	16			19	1,813	12	549	23	965	13	579
	17			17	786	19	858	22	776		
	18	18	236	18	696	20	1,031	22	904		
	19	17	358	16	378	18	765				
	20	18	393	13	413					15	672
	21	22	344					18	885	15	187
	22	23	175			23	584	13	604	17	727
	23	22	169	21	282	22	461	22	909	18	911
	24	21	179	25	658	20	331	21	575	17	866
	25	15	157	23	486	19	241	21	457		
	26	22	357	25	439	23	308				
	27	17	227	19	225	17	254			24	701
	28	18	143	23	353	20	219	21	360	25	833
	29	11	50	25	448	9	33	25	427	24	489
	30	19	71	25	270	24	309	29	557	22	369
July	1	22	66	27	143	18	162	26	410		
	2	15	12	17	85	11	12	25	475		
	3	25	24	23	174	24	135				
	4	17	13	12	57	20	148			23	227
	5	19	65	23	114	20	47	28	253	24	369
	6	16	38	23	115	14	89	30	257	23	269
	7	19	8	23	120	27	119	26	258	24	191
	8	20	95	22	108	26	138	25	100	22	176
	9	13	18	24	156	26	86				
	10	21	27	6	47	12	23				
	11	15	6	8	37	22	58			18	78
	12	16	9	9	22	15	36	24	50	21	90
	13	17	23	15	129	15	19	26	99	22	53
	14	11	19	15	34	18	28	23	60	20	37
	15	18	6	13	45	10	5	23	50	17	13
Season Total			9,742		5,349		6,077		10,933		6,777

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Table 19. (page 2 of 3)

Date		1984 Permits	1984 Catch	1985 Permits	1985 Catch	1986 Permits	1986 Catch	1987 Permits	1987 Catch	1988 Permits	1988 Catch
May	30									17	31
June	1							17	136		
	2							10	94		
	3			6	43	6	20	6	61		
	4	8	95	4	29	6	10	4	31		
	5	11	68	4	12	18	270				
	6	a	a	6	88	18	296				
	7	6	23							14	160
	8							a	a	14	70
	9					12	158	a	a		
	10			17	694	10	137	22	502		
	11	15	208	a	a	19	191	19	285		
	12	15	223	7	100	18	106				
	13	10	82	9	119					5	72
	14	18	212							4	80
	15							24	1,086	11	280
	16					a	a			10	340
	17			22	821	22	486	23	363		
	18	13	396	19	692	26	279	22	358		
	19	15	431	18	447	24	333				
	20			20	390	27	334			28	721
	21			22	499	24	250			25	595
	22			19	427	22	157	24	672	24	455
	23			17	461	25	330	22	599	27	654
	24			29	520	25	277	21	189		
	25	12	44	24	321	25	291	26	249		
	26	7	8	21	427	26	144				273
	27			19	303				29	856	
	28			20	317				29	599	
	29							28	251	22	345
	30					25	121	30	239	32	295
July	1			31	905	32	264	27	128	22	193
	2	10	149	6	230	31	183	31	138		
	3	10	83	28	585	27	130				
	4	22	324	33	116						
	5			16	269					26	102
	6			24	276			38	172	27	60
	7			20	150	33	123			27	61
	8			26	359	30	63				
	9	28	1,575	18	58			34	89		
	10	25	872	29	182						
	11	29	685	25	103			41	261	31	41
	12	20	134	26	272					39	20
	13	27	585	12	47	31	47	27	22	27	10
	14	28	605	27	99			23	18	27	7
	15	22	304	28	105			25	15	26	7
Season Total			7,802		10,850		4,849		5,823		6,464

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Table 19. (page 3 of 3)

Date		1989 Permits	1989 Catch	1990 Permits	1990 Catch	1991 Permits	1991 Catch	1992 Permits	1992 Catch
May	30								
	31								
June	1							a	a
	2								
	3					12	168	a	a
	4			18	193	11	144		
	5	18	204	16	163	15	121		
	6	15	178	11	104				
	7	6	74						
	8							23	167
	9							18	156
	10					21	446	13	72
	11			17	278	23	412		
	12	24	416	16	346	20	358		
	13	24	516	18	165				
	14	22	423						
	15							20	269
	16							24	243
	17					22	430	23	189
	18	21	157	22	378	23	376	22	209
	19	11	30	23	329	20	208		
	20	6	6	21	209	20	101		
	21			20	196				
	22							26	237
	23							26	254
	24					28	169	27	154
	25			28	254	24	153	18	102
	26	26	75	27	170	25	108	28	137
	27	26	120	29	204	28	100		
	28	27	197	30	169	27	55		
	29	23	207	20	40			30	105
	30	30	287					31	113
July	1							27	54
	2			37	47			29	60
	3	36	221	37	52			28	52
	4	34	81	35	59				
	5	27	71	35	44				
	6	32	53	34	29	13	10	28	30
	7	29	60	34	34	28	11	21	12
	8	31	66	31	26	24	17	25	26
	9	31	32	34	21	26	21	25	14
	10	32	26	30	18	22	5	33	12
	11	28	205	29	13	24	3		
	12	29	20	33	6	25	6	29	8
	13	30	21	32	4	25	5	29	8
	14	30	22	28	4	23	4	24	16
	15	25	5	25	3	21	1	24	37
Season Total			3,822		3,573		3,450		2,787

[a]Numbers confidential.

Table 20. Daily Port Heiden Section chinook salmon catches and number of permits fished, all gear combined, 1979-1992[a].

Date		1979		1980		1981		1982		1983	
		Permits	Catch	Permits	Catch	Permits	Catch	Permits	Catch	Permits	Catch
May	25					6	94				
	26					11	218				
	27					10	93				
	28	b	b	4	39	7	85				
	29	10	524	5	96						
	30	10	288								
	31	15	577					5	66	11	369
June	1	13	218			12	514	10	139	14	437
	2			4	69	14	344	14	221	17	484
	3			3	43	13	289	12	220		
	4	19	736	12	270	13	117				
	5	19	777	17	370						
	6	19	561							21	1,069
	7	17	724					20	1,194	21	415
	8	19	634			16	902	19	721	13	271
	9			13	631	17	639	20	603	19	370
	10			22	488	17	411	17	447		
	11	18	854	21	458	19	519				
	12	6	185	20	662						
	13	16	1,070							18	1,740
	14	17	653					20	2,013	18	720
	15	10	372			18	1,050	20	1,589	9	204
	16			15	465	17	478	18	1,035	5	217
	17			22	679			19	821		
	18	14	515	22	559						
	19	15	328	22	248						
	20	14	265							12	368
	21	13	224					17	1,298		
	22	2	43			7	141	12	324		
	23			11	75	5	181	4	163	b	b
	24			9	66			b	b		
	25	b	b	8	21						
	26	b	b	9	46						
	27	5	41	8	61						
	28	b	b								
	29					b	b				
	30			b	b	b	b				
Season Total			9,742		5,349		6,077		10,933		6,777

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Table 20. (page 2 of 3)

Date		1984		1985		1986		1987		1988	
		Permits	Catch	Permits	Catch	Permits	Catch	Permits	Catch	Permits	Catch
May	25										
	26										
	27										
	28										
	29										
	30										
	31										
June	1							7	181	b	b
	2							8	124		
	3					b	b	13	188		
	4	13	250			6	61	5	106		
	5	14	459			b	b				
	6	19	325							17	496
	7	20	366							17	556
	8							24	568	14	326
	9					19	356	29	643		
	10			14	544	16	181	33	325		
	11	23	1,390	13	457	8	53	6	61		
	12	23	785	14	510	3	18				
	13	22	601	14	338					17	1,041
	14	20	472							12	582
	15							24	605	19	271
	16					22	431	20	380		
	17			21	1,280	9	216				
	18	23	893	9	193	13	201				
	19	15	412	11	207	6	76				
	20	5	174	b	b					19	733
	21	b	b							19	1,035
	22									17	516
	23					b	b				
	24			b	b	b	b				
	25	b	b	b	b	b	b				
	26	b	b	b	b	b	b				
	27	b	b	b	b	b	b			16	78
	28	b	b			b	b			7	28
	29							10	15		
	30					b	b	4	5	b	b
Season Total			6,458		4,330		1,821		3,217		5,816

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Table 20. (page 3 of 3)

Date		1989 Permits	1989 Catch	1990 Permits	1990 Catch	1991 Permits	1991 Catch	1992 Permits	1992 Catch
May	25								
	26								
	27								
	28								
	29								
	30								
	31								
June	1								
	2								
	3								
	4								
	5	15	354	4	261				
	6	13	238	7	284				
	7	4	113						
	8							12	451
	9							10	298
	10					15	632	10	184
	11			13	1,101	4	167		
	12	18	660	14	861	10	501		
	13	16	525	10	385				
	14	15	318						
	15							18	1,423
	16								
	17					16	901	15	678
	18			15	1,484	17	663		
	19	11	483	8	158	11	258		
	20	8	176	5	36				
	21	b	41						
	22							16	1,137
	23							13	850
	24							7	367
	25			5	87				
	26	b	b	7	30	b	b		
	27			b	b				
	28	b	b	b	b				
	29			b	b				
	30	b	b	b	b				
Season Total			2,927		4,699		3,139		5,427

[a] The drift gillnet fleet moves to the Bristol Bay Area during late June. Remaining effort usually consist of several gillnetters in front of Meshik Village.

[b] Due to confidentiality rules these numbers may not be released.

Table 21. Nelson Lagoon daily sockeye salmon catches, in number of fish, all gear combined, 1992.

Date		Permits	Catch
June	08	20	1,104
	09	18	1,365
	10	13	518
	15	20	5,363
	16	24	5,352
	17	23	4,757
	18	22	7,562
	22	26	10,129
	23	26	7,005
	24	27	6,904
	25	18	3,672
	26	28	7,918
	29	30	20,640
	30	31	13,694
July	01	27	10,585
	02	29	9,265
	03	28	11,503
	06	28	11,990
	07	21	7,087
	08	25	22,548
	09	25	24,295
	10	33	33,625
	12	29	21,644
	13	29	10,225
	14	24	9,597
	15	24	13,030
	16	26	12,252
	17	28	12,112
	18	26	7,028
	19	22	4,623
	20	21	4,624
	21	22	3,950
	22	21	4,370
	23	20	6,175
	24	22	6,830
July	27	24	4,641
	28	23	4,351
	29	21	3,353
	30	21	4,044
	31	16	3,154
Aug.	03	18	1,607
	04	18	2,058
	05	13	1,295
	06	11	1,642
	10	18	1,867
	11	18	1,677
	12	11	1,147
	13	19	1,493
	17	27	890
	18	24	688
	19	10	495
	24	30	184
	25	29	191
	26	25	152
	27	22	100
	31	27	57
Sept.	01	26	50
	02	26	72
	06	25	52
	07	27	14
	08	22	9
	09	18	1
Season Total		378,706	

*Dates are deleted where less than three permit holders participated.

Table 22. Nelson Lagoon daily coho salmon catches, in number of fish, all gear combined, 1992.

Date		Permits	Catch
July	16	26	2
	17	28	0
	18	26	0
	19	22	1
	20	21	0
	21	22	0
	22	21	0
	23	20	0
	24	22	2
	27	24	7
	28	23	6
	29	21	9
	30	16	39
	31	16	17
Aug.	03	18	63
	04	18	82
	05	13	50
	06	11	100
	10	18	1,272
	11	18	1,215
	12	11	770
	13	19	715
	17	27	3,814
	18	24	4,897
	19	10	2,676
	24	30	8,922
	25	29	5,050
	26	25	4,435
	27	22	3,392
Aug.	31	27	6,824
Sept	01	26	6,716
	02	26	6,155
	06	25	5,456
	07	27	5,158
	08	22	3,960
	09	18	1,567
Season Total			73,372

* Dates are deleted where less than three permit holders participated.

Table 23. Inner Port Heiden daily coho salmon catches, in number of fish, all gear combined, 1992.

Date		Permits	Catch
Aug.	17	7	913
	18	12	2,560
	19	12	1,140
	24	19	3,726
	25	13	2,431
	26	17	2,701
	27	4	220
	31	4	299
Sept.	01	10	1,298
	02	5	675
	03	9	781
Season Total			16,744

*Dates are deleted where three permit holders or less participated.

Table 24. Cinder River daily coho salmon catches, in number of fish, all gear combined, 1992.

Date		Permits	Catch
Aug.	04	7	847
	10	18	4,137
	11	26	3,796
	12	19	3,930
	17	42	8,320
	18	44	8,275
	19	45	6,017
	24	60	12,093
	25	55	5,478
	26	50	5,352
Sept.	01	11	1,473
	03	17	4,535
	04	12	2,443
	07	11	2,487
	08	11	1,423
Season Total			72,121

* Dates are deleted where three permit holders or less participated.

Table 25. Sockeye salmon daily and cumulative escapement counts through the Bear River weir, 1992.

Date		Daily			Cumulative			Daily Percent		Cumulative Percent		
		Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
Jun	2	77	0	77	77	0	77	100.0	0.0	0.0	0.0	0.0
	3	42	0	42	119	0	119	100.0	0.0	0.0	0.0	0.0
	4	13	0	13	132	0	132	100.0	0.0	0.0	0.0	0.0
	5	55	1	56	187	1	188	98.2	1.8	0.0	0.0	0.0
	6	200	0	200	387	1	388	100.0	0.0	0.1	0.0	0.1
	7	86	2	88	473	3	476	97.7	2.3	0.1	0.0	0.1
	8	84	1	85	557	4	561	98.8	1.2	0.1	0.0	0.1
	9	938	0	938	1495	4	1499	100.0	0.0	0.4	0.0	0.4
	10	1201	3	1204	2696	7	2703	99.8	0.2	0.7	0.0	0.7
	11	779	6	785	3475	13	3488	99.2	0.8	0.9	0.0	0.9
	12	323	1	324	3798	14	3812	99.7	0.3	1.0	0.0	1.0
	13	1003	7	1010	4801	21	4822	99.3	0.7	1.2	0.0	1.2
	14	3242	16	3258	8043	37	8080	99.5	0.5	2.0	0.0	2.0
	15	2533	30	2563	10576	67	10643	98.8	1.2	2.7	0.0	2.7
	16	2915	24	2939	13491	91	13582	99.2	0.8	3.4	0.0	3.4
	17	2562	41	2603	16053	132	16185	98.4	1.6	4.0	0.0	4.1
	18	3886	33	3919	19939	165	20104	99.2	0.8	5.0	0.0	5.0
	19	3264	65	3329	23203	230	23433	98.0	2.0	5.8	0.1	5.9
	20	6716	109	6825	29919	339	30258	98.4	1.6	7.5	0.1	7.6
	21	9376	85	9461	39295	424	39719	99.1	0.9	9.9	0.1	10.0
	22	13655	166	13821	52950	590	53540	98.8	1.2	13.3	0.1	13.4
	23	11385	95	11480	64335	685	65020	99.2	0.8	16.1	0.2	16.3
	24	8176	66	8242	72511	751	73262	99.2	0.8	18.2	0.2	18.4
	25	2879	16	2895	75390	767	76157	99.4	0.6	18.9	0.2	19.1
	26	2423	74	2497	77813	841	78654	97.0	3.0	19.5	0.2	19.7
	27	4221	106	4327	82034	947	82981	97.6	2.4	20.6	0.2	20.8
	28	2802	62	2864	84836	1009	85845	97.8	2.2	21.3	0.3	21.5
	29	9237	249	9486	94073	1258	95331	97.4	2.6	23.6	0.3	23.9
	30	7611	145	7756	101684	1403	103087	98.1	1.9	25.5	0.4	25.9
Jul	1	3066	125	3191	104750	1528	106278	96.1	3.9	26.3	0.4	26.7
	2	1059	45	1104	105809	1573	107382	95.9	4.1	26.5	0.4	26.9
	3	16359	307	16666	122168	1880	124048	98.2	1.8	30.6	0.5	31.1

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Table 25. (page 2 of 3)

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
Jul 4	6512	129	6641	128680	2009	130689	98.1	1.9	32.3	0.5	32.8
5	743	130	873	129423	2139	131562	85.1	14.9	32.5	0.5	33.0
6	4144	186	4330	133567	2325	135892	95.7	4.3	33.5	0.6	34.1
7	5752	155	5907	139319	2480	141799	97.4	2.6	34.9	0.6	35.6
8	4694	108	4802	144013	2588	146601	97.8	2.2	36.1	0.6	36.8
9	7156	198	7354	151169	2786	153955	97.3	2.7	37.9	0.7	38.6
10	8382	235	8617	159551	3021	162572	97.3	2.7	40.0	0.8	40.8
11	4790	269	5059	164341	3290	167631	94.7	5.3	41.2	0.8	42.1
12	1340	96	1436	165681	3386	169067	93.3	6.7	41.6	0.8	42.4
13	2556	196	2752	168237	3582	171819	92.9	7.1	42.2	0.9	43.1
14	6184	248	6432	174421	3830	178251	96.1	3.9	43.8	1.0	44.7
15	7909	398	8307	182330	4228	186558	95.2	4.8	45.7	1.1	46.8
16	11154	463	11617	193484	4691	198175	96.0	4.0	48.5	1.2	49.7
17	8084	355	8439	201568	5046	206614	95.8	4.2	50.6	1.3	51.8
18	6629	287	6916	208197	5333	213530	95.9	4.1	52.2	1.3	53.6
19	2700	263	2963	210897	5596	216493	91.1	8.9	52.9	1.4	54.3
20	3165	455	3620	214062	6051	220113	87.4	12.6	53.7	1.5	55.2
21	5680	549	6229	219742	6600	226342	91.2	8.8	55.1	1.7	56.8
22	3763	391	4154	223505	6991	230496	90.6	9.4	56.1	1.8	57.8
23	1771	166	1937	225276	7157	232433	91.4	8.6	56.5	1.8	58.3
24	4007	243	4250	229283	7400	236683	94.3	5.7	57.5	1.9	59.4
25	2087	200	2287	231370	7600	238970	91.3	8.7	58.0	1.9	59.9
26	1131	110	1241	232501	7710	240211	91.1	8.9	58.3	1.9	60.3
27	2709	526	3235	235210	8236	243446	83.7	16.3	59.0	2.1	61.1
28	1931	377	2308	237141	8613	245754	83.7	16.3	59.5	2.2	61.6
29	3868	661	4529	241009	9274	250283	85.4	14.6	60.5	2.3	62.8
30	2033	341	2374	243042	9615	252657	85.6	14.4	61.0	2.4	63.4
31	1345	168	1513	244387	9783	254170	88.9	11.1	61.3	2.5	63.8
Aug 1	1750	269	2019	246137	10052	256189	86.7	13.3	61.7	2.5	64.3
2	2072	314	2386	248209	10366	258575	86.8	13.2	62.3	2.6	64.9
3	347	88	435	248556	10454	259010	79.8	20.2	62.4	2.6	65.0
4	304	59	363	248860	10513	259373	83.7	16.3	62.4	2.6	65.1

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Table 25. (page 3 of 3)

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
Aug 5	411	98	509	249271	10611	259882	80.7	19.3	62.5	2.7	65.2
6	327	69	396	249598	10680	260278	82.6	17.4	62.6	2.7	65.3
7	5949	757	6706	255547	11437	266984	88.7	11.3	64.1	2.9	67.0
8	5469	463	5932	261016	11900	272916	92.2	7.8	65.5	3.0	68.5
9	14362	720	15082	275378	12620	287998	95.2	4.8	69.1	3.2	72.2
10	11791	624	12415	287169	13244	300413	95.0	5.0	72.0	3.3	75.4
11	15861	336	16197	303030	13580	316610	97.9	2.1	76.0	3.4	79.4
12	751	20	771	303781	13600	317381	97.4	2.6	76.2	3.4	79.6
13	18022	281	18303	321803	13881	335684	98.5	1.5	80.7	3.5	84.2
14	11962	306	12268	333765	14187	347952	97.5	2.5	83.7	3.6	87.3
15	19748	490	20238	353513	14677	368190	97.6	2.4	88.7	3.7	92.4
16	1734	40	1774	355247	14717	369964	97.7	2.3	89.1	3.7	92.8
17	1541	92	1633	356788	14809	371597	94.4	5.6	89.5	3.7	93.2
18	5808	309	6117	362596	15118	377714	94.9	5.1	91.0	3.8	94.8
19	4059	132	4191	366655	15250	381905	96.9	3.1	92.0	3.8	95.8
20	404	12	416	367059	15262	382321	97.1	2.9	92.1	3.8	95.9
21	1338	50	1388	368397	15312	383709	96.4	3.6	92.4	3.8	96.3
22	2040	133	2173	370437	15445	385882	93.9	6.1	92.9	3.9	96.8
23	2674	141	2815	373111	15586	388697	95.0	5.0	93.6	3.9	97.5
24	5999	255	6254	379110	15841	394951	95.9	4.1	95.1	4.0	99.1
25	2648	211	2859	381758	16052	397810	92.6	7.4	95.8	4.0	99.8
26	780	46	826	382538	16098	398636	94.4	5.6	95.8	4.2	100.0
Post August 26	48488	2826	51364	431026	18974	450000	94.4	5.6	95.8	4.2	100.0
Total	431026	18974	450000	431026	18974	450000	94.4	5.6	95.8	4.2	100.0

Table 26. Chinook, pink, and chum salmon daily and cumulative escapement counts through the Bear River weir, 1992.

Date	Daily			Cumulative		
	Chinook	Pink	Chum	Chinook	Pink	Chum
June 2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	0	0	0	0	0	0
17	0	0	0	0	0	0
18	0	0	0	0	0	0
19	0	0	0	0	0	0
20	0	0	0	0	0	0
21	0	0	0	0	0	0
22	1	0	0	1	0	0
23	0	0	0	1	0	0
24	0	0	0	1	0	0
25	0	0	0	1	0	0
26	0	0	0	1	0	0
27	0	0	0	1	0	0
28	0	0	0	1	0	0
29	0	0	0	1	0	0
30	0	0	0	1	0	0
Jul 1	0	0	0	1	0	0
2	0	0	0	1	0	0
3	1	7	2	2	7	2
4	0	2	0	2	9	2
5	0	0	0	2	9	2
6	0	5	0	2	14	2
7	0	2	0	2	16	2
8	0	2	0	2	18	2
9	0	8	0	2	26	2
10	0	3	0	2	29	2
11	0	4	1	2	33	3
12	0	2	0	2	35	3
13	1	1	0	3	36	3
14	0	3	0	3	39	3
15	0	1	1	3	40	4
16	0	15	0	3	55	4
17	0	6	0	3	61	4
18	0	5	0	3	66	4
19	1	2	1	4	68	5
20	3	10	0	7	78	5

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Table 26. (page 2 of 2)

Date	Daily			Cumulative		
	Chinook	Pink	Chum	Chinook	Pink	Chum
Jul 21	2	100	2	9	178	7
22	1	47	0	10	225	7
23	0	5	0	10	230	7
24	0	14	0	10	244	7
25	0	10	0	10	254	7
26	1	6	1	11	260	8
27	0	28	0	11	288	8
28	1	17	0	12	305	8
29	1	29	0	13	334	8
30	2	12	1	15	346	9
31	1	10	0	16	356	9
Aug 1	1	7	0	17	363	9
2	2	19	0	19	382	9
3	1	10	2	20	392	11
4	0	6	0	20	398	11
5	0	3	0	20	401	11
6	2	6	0	22	407	11
7	4	44	0	26	451	11
8	2	22	3	28	473	14
9	2	32	1	30	505	15
10	1	26	2	31	531	17
11	1	37	3	32	568	20
12	2	1	1	34	569	21
13	3	36	5	37	605	26
14	5	18	11	42	623	37
15	1	64	6	43	687	43
16	0	10	3	43	697	46
17	3	9	3	46	706	49
18	2	8	5	48	714	54
19	0	7	7	48	721	61
20	0	5	2	48	726	63
21	0	9	2	48	735	65
22	0	48	4	48	783	69
23	0	46	7	48	829	76
24	2	83	20	50	912	96
25	0	45	8	50	957	104
26	0	15	7	50	972	111
Total	50	972	111	50	972	111

Table 27. Sockeye salmon daily and cumulative escapement counts through the Nelson River weir , 1992.

	Daily			Cumulative			Daily Percent		Cumulative Percent		
Date	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
Jun 8	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
9	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
11	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
12	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
13	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
14	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
15	108	0	108	108	0	108	100.0	0.0	0.1	0.0	0.1
16	223	9	232	331	9	340	96.1	3.9	0.2	0.0	0.2
17	382	152	534	713	161	874	71.5	28.5	0.5	0.1	0.6
18	780	96	876	1493	257	1750	89.0	11.0	1.0	0.2	1.1
19	900	135	1035	2393	392	2785	87.0	13.0	1.6	0.3	1.8
20	1173	270	1443	3566	662	4228	81.3	18.7	2.3	0.4	2.8
21	4356	582	4938	7922	1244	9166	88.2	11.8	5.2	0.8	6.0
22	5367	450	5817	13289	1694	14983	92.3	7.7	8.7	1.1	9.8
23	8219	1215	9434	21508	2909	24417	87.1	12.9	14.0	1.9	15.9
24	4186	838	5024	25694	3747	29441	83.3	16.7	16.8	2.4	19.2
25	793	46	839	26487	3793	30280	94.5	5.5	17.3	2.5	19.8
26	1176	96	1272	27663	3889	31552	92.5	7.5	18.1	2.5	20.6
27	483	25	508	28146	3914	32060	95.1	4.9	18.4	2.6	20.9
28	1861	182	2043	30007	4096	34103	91.1	8.9	19.6	2.7	22.3
29	7400	1115	8515	37407	5211	42618	86.9	13.1	24.4	3.4	27.8
30	5372	616	5988	42779	5827	48606	89.7	10.3	27.9	3.8	31.7
Jul 1	2877	393	3270	45656	6220	51876	88.0	12.0	29.8	4.1	33.9
2	1369	245	1614	47025	6465	53490	84.8	15.2	30.7	4.2	34.9
3	1887	112	1999	48912	6577	55489	94.4	5.6	31.9	4.3	36.2
4	3554	258	3812	52466	6835	59301	93.2	6.8	34.2	4.5	38.7
5	6217	615	6832	58683	7450	66133	91.0	9.0	38.3	4.9	43.2
6	13904	1351	15255	72587	8801	81388	91.1	8.9	47.4	5.7	53.1
7	3487	415	3902	76074	9216	85290	89.4	10.6	49.6	6.0	55.7
8	4824	555	5379	80898	9771	90669	89.7	10.3	52.8	6.4	59.2
9	4055	919	4974	84953	10690	95643	81.5	18.5	55.4	7.0	62.4

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Table 27. (page 2 of 2)

	Daily			Cumulative			Daily Percent		Cumulative Percent		
Date	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
Jul 10	6733	1093	7826	91686	11783	103469	86.0	14.0	59.8	7.7	67.5
11	10513	933	11446	102199	12716	114915	91.8	8.2	66.7	8.3	75.0
12	11903	573	12476	114102	13289	127391	95.4	4.6	74.5	8.7	83.1
13	11063	603	11666	125165	13892	139057	94.8	5.2	81.7	9.1	90.8
14	2713	291	3004	127878	14183	142061	90.3	9.7	83.5	9.3	92.7
15	2163	239	2402	130041	14422	144463	90.0	10.0	84.9	9.4	94.3
16	4462	570	5032	134503	14992	149495	88.7	11.3	87.8	9.8	97.6
17	1448	140	1588	135951	15132	151083	91.2	8.8	88.7	9.9	98.6
18	970	91	1061	136921	15223	152144	91.4	8.6	89.4	9.9	99.3
19	617	42	659	137538	15265	152803	93.6	6.4	89.8	10.0	99.7
20	395	23	418	137933	15288	153221	94.5	5.5	90.0	10.0	100.0
Post July 20	8580	499	9079	146513	15787	162300	94.5	5.5	90.3	9.7	100.0
Total	146513	15787	162300	146513	15787	162300	90.3	9.7	90.3	9.7	100.0

Table 28. Chinook, pink, and chum salmon daily and cumulative escapement counts through the Nelson River weir, 1992.

Date	Daily			Cumulative		
	Chinook	Pink	Chum	Chinook	Pink	Chum
Jun 8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	0	0	0	0	0	0
17	0	0	0	0	0	0
18	0	0	0	0	0	0
19	0	0	0	0	0	0
20	18	0	0	18	0	0
21	24	0	0	42	0	0
22	51	0	0	93	0	0
23	18	0	0	111	0	0
24	35	0	0	146	0	0
25	26	0	0	172	0	0
26	32	0	0	204	0	0
27	10	0	0	214	0	0
28	7	0	1	221	0	1
29	21	0	0	242	0	1
30	56	0	2	298	0	3
Jul 1	11	0	0	309	0	3
2	0	0	2	309	0	5
3	1	0	1	310	0	6
4	1	2	0	311	2	6
5	4	1	2	315	3	8
6	32	3	7	347	6	15
7	10	0	3	357	6	18
8	5	5	4	362	11	22
9	5	1	3	367	12	25
10	3	2	2	370	14	27
11	2	0	3	372	14	30
12	3	10	16	375	24	46
13	34	1	39	409	25	85
14	11	1	3	420	26	88
15	15	0	4	435	26	92
16	16	0	14	451	26	106
17	6	1	4	457	27	110
18	6	1	4	463	28	114
19	23	0	12	486	28	126
20	4	1	22	490	29	148
Total	490	29	148	490	29	148

Table 29. Sockeye salmon daily and cumulative escapement counts through the Ilnik River weir , 1992.

	Daily			Cumulative			Daily Percent		Cumulative Percent		
Date	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
May 31	68	0	68	68	0	68	100.0	0.0	0.2	0.0	0.2
Jun 1	110	1	111	178	1	179	99.1	0.9	0.5	0.0	0.5
2	35	0	35	213	1	214	100.0	0.0	0.6	0.0	0.6
3	26	0	26	239	1	240	100.0	0.0	0.7	0.0	0.7
4	250	0	250	489	1	490	100.0	0.0	1.3	0.0	1.3
5	187	1	188	676	2	678	99.5	0.5	1.8	0.0	1.8
6	293	4	297	969	6	975	98.7	1.3	2.6	0.0	2.7
7	238	7	245	1207	13	1220	97.1	2.9	3.3	0.0	3.3
8	233	1	234	1440	14	1454	99.6	0.4	3.9	0.0	4.0
9	308	8	316	1748	22	1770	97.5	2.5	4.8	0.1	4.8
10	752	19	771	2500	41	2541	97.5	2.5	6.8	0.1	6.9
11	251	9	260	2751	50	2801	96.5	3.5	7.5	0.1	7.6
12	150	5	155	2901	55	2956	96.8	3.2	7.9	0.1	8.0
13	741	8	749	3642	63	3705	98.9	1.1	9.9	0.2	10.1
14	481	7	488	4123	70	4193	98.6	1.4	11.2	0.2	11.4
15	380	15	395	4503	85	4588	96.2	3.8	12.2	0.2	12.5
16	1118	5	1123	5621	90	5711	99.6	0.4	15.3	0.2	15.5
17	475	7	482	6096	97	6193	98.5	1.5	16.6	0.3	16.8
18	902	27	929	6998	124	7122	97.1	2.9	19.0	0.3	19.4
19	1496	42	1538	8494	166	8660	97.3	2.7	23.1	0.5	23.6
20	744	24	768	9238	190	9428	96.9	3.1	25.1	0.5	25.6
21	1619	36	1655	10857	226	11083	97.8	2.2	29.5	0.6	30.1
22	1750	47	1797	12607	273	12880	97.4	2.6	34.3	0.7	35.0
23	1177	32	1209	13784	305	14089	97.4	2.6	37.5	0.8	38.3
24	3020	78	3098	16804	383	17187	97.5	2.5	45.7	1.0	46.7
25	1736	54	1790	18540	437	18977	97.0	3.0	50.4	1.2	51.6
26	252	17	269	18792	454	19246	93.7	6.3	51.1	1.2	52.3
27	1056	54	1110	19848	508	20356	95.1	4.9	54.0	1.4	55.4
28	766	45	811	20614	553	21167	94.5	5.5	56.1	1.5	57.6
29	383	22	405	20997	575	21572	94.6	5.4	57.1	1.6	58.7
30	972	24	996	21969	599	22568	97.6	2.4	59.8	1.6	61.4
Jul 1	1003	45	1048	22972	644	23616	95.7	4.3	62.5	1.8	64.2

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Table 29. (page 2 of 2)

	Daily			Cumulative			Daily Percent		Cumulative Percent		
Date	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
Jul 2	1724	80	1804	24696	724	25420	95.6	4.4	67.2	2.0	69.1
3	1227	86	1313	25923	810	26733	93.5	6.5	70.5	2.2	72.7
4	1225	93	1318	27148	903	28051	92.9	7.1	73.8	2.5	76.3
5	942	69	1011	28090	972	29062	93.2	6.8	76.4	2.6	79.0
6	592	25	617	28682	997	29679	95.9	4.1	78.0	2.7	80.7
7	747	63	810	29429	1060	30489	92.2	7.8	80.0	2.9	82.9
8	1276	109	1385	30705	1169	31874	92.1	7.9	83.5	3.2	86.7
9	1003	126	1129	31708	1295	33003	88.8	11.2	86.2	3.5	89.8
10	2675	97	2772	34383	1392	35775	96.5	3.5	93.5	3.8	97.3
11	911	79	990	35294	1471	36765	92.0	8.0	96.0	4.0	100.0
Post July 11	7823	412	8235	43117	1883	45000	95.8	4.2	95.8	4.2	100.0
Total	43117	1883	45000	43117	1883	45000	95.8	4.2	95.8	4.2	100.0

Table 30. Chinook, pink, and chum salmon daily and cumulative escapement counts through the Ilnik River weir, 1992.

Date	Daily			Cumulative		
	Chinook	Pink	Chum	Chinook	Pink	Chum
May 31	0	0	0	0	0	0
Jun 1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	0	0	0	0	0	0
17	2	0	0	2	0	0
18	1	0	0	3	0	0
19	1	0	0	4	0	0
20	0	0	0	4	0	0
21	0	0	0	4	0	0
22	0	0	0	4	0	0
23	0	0	0	4	0	0
24	0	0	0	4	0	0
25	0	0	0	4	0	0
26	0	0	0	4	0	0
27	0	0	0	4	0	0
28	0	0	0	4	0	0
29	1	0	0	5	0	0
30	0	0	0	5	0	0
Jul 1	2	0	0	7	0	0
2	0	0	0	7	0	0
3	1	1	0	8	1	0
4	0	0	0	8	1	0
5	0	0	0	8	1	0
6	0	11	0	8	12	0
7	1	0	0	9	12	0
8	0	0	0	9	12	0
9	1	0	0	10	12	0
10	1	6	0	11	18	0
11	0	0	0	11	18	0
Total	11	18	0	11	18	0

Table 31. Salmon escapement survey counts in the North Peninsula, 1992.

Stream Number	Stream Name/Location	Date	Survey Conditions	Species					Observer	Remarks[a,b]
				Chinook	Sockeye	Coho	Pink	Chum		
NORTHWESTERN DISTRICT										
311-20.15	Tugumak River	Not Surveyed								
311-30.06	Divide Creek	03-Aug	Good	0	500	0	0	0	Shaul	500 chum in lower end of outlet channel.
311-30.05	Unnamed	Not Surveyed								
311-30.07	Whaleback	19-Jun	Poor	0	200	0	0	0	Shaul	Poor survey, but no large numbers of fish. Cherokee survey.
		02-Jul	Poor	0	4,000	0	0	0	Shaul	1,000 sockeye in lake, rest in channel. Poor visibility due to muddy water coming out of the creek.
		14-Jul	Good	0	11,500	0	0	0	Shaul	2,000 sockeye in the lake, 500 sockeye in the creek, with balance in the channel. Good showing in the lower end. jumpers in deep.
		24-Jul	Poor	0	25,000	0	0	0	Shaul	14,000 sockeye in the creek, and 10,000 in the outlet channel; fish still coming in. Windy on lake; saw 1,000 probably more.
		03-Aug	Good	0	26,300	0	0	0	Shaul	17,300 sockeye in creek, only 4,000 on spawning grounds. Additional 4,000 were in outlet channel, and 5,000 in lagoon.
311-30.08	Christianson	03-Aug	Good	0	1,200	0	0	0	Shaul	500 sockeye were in spawning areas.
311-30.09	Mudhole	02-Jul	Good	0	0	0	0	300	Shaul	
		14-Jul	Poor	0	0	0	0	700	Shaul	1,200 chums on flats, may have been more, water choppy.
		24-Jul	Good	0	0	0	0	1,200	Shaul	500 sockeye, and 3,000 chums on flats near 30.09. Additional 7,000 chums in outlet channel.
		03-Aug	Good	0	0	0	0	5,000	Shaul	100 sockeye, and 1,500 chums in western portion of lagoon, nothing in the outlet channel.
311-30.10	Clear Lagoon	02-Jul	Good	0	0	0	0	0	Shaul	300 chums on the flats.
		14-Jul	Good	0	0	0	0	200	Shaul	400 sockeye, and 1,000 chums on the flats.
		24-Jul	Good	0	0	0	0	300	Shaul	2,000 sockeye, and 400 chums on the flats near 30.10. 7,000 chums in outlet channel.
		03-Aug	Good	0	500	0	0	2,000	Shaul	2,200 sockeye were in the eastern part of the lagoon.
311-40.01	Emil's River	03-Aug	Good	0	50	0	0	0	Shaul	2,000-3,000 Dolly Varden.
311-40.04	North Creek	Not Surveyed								
311-50.01	Big River	25-Aug	Good	0	0	0	0	700	Shaul	Surveyed spawning tributary.

-Continued-

Table 31. (page 2 of 9)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species					Observer	Remarks[a,b]
				Chinook	Sockeye	Coho	Pink	Chum		
311-50.02	Swanson Lagoon	02-Jul	Good	0	0	0	0	200	Shaul	All fish in creek, little sign in lagoon.
		14-Jul	Good	0	500	0	0	1,300	Shaul	All fish in creek, little sign in lagoon, or outlet channel.
		18-Jul	Good	0	500	0	0	400	Shaul	Additional 8,500 salmon in outlet channel, and 300 chums in upper part of lagoon.
		24-Jul	Poor	0	0	0	0	1,000	Shaul	3,000 sockeye in lagoon above the markers, and 4,000 in the outlet channel. Did not survey rest of lagoon because of fog.
		30-Jul	Good	0	1,500	0	0	2,500	Shaul	Survey of creek. Fish scattered in lagoon. Not much sigh in the outlet.
		03-Aug	Good	0	6,500	0	0	500	Shaul	Survey of lagoon. Chums near mouth of the creek. Sockeye schooled all along the south shore in channel; plus 300 in outlet
		25-Aug	Good	0	6,900	0	0	1,300	Shaul	Chums all spawning. 300 sockeye in creek, 2,000 spawning in lagoon, and 3,400 schooled outside the markers.
		28-Aug	Good	0	1,250	1,500	0	0	Shaul	Survey of lower lagoon, and outlet channel Coho in outlet channel; sockeye outside the markers.
		10-Sep	Good	0	6,900	6,500	0	0	Shaul	2,000 sockeye spawning in creek. Plus 1,000 sockeye outside markers, seperated from coho.
311-60.01	Mike's Valley	02-Jul	Good	0	0	0	0	200	Shaul	2 mile survey.
		14-Jul	Good	0	0	0	0	3,400	Shaul	300 chums at mouth; 1,700 in upper valley, with a few starting to spawn.
		18-Jul	Good	0	0	0	0	2,100	Shaul	3 mile survey. 300 chums at mouth.
		24-Jul	Good	0	0	0	0	1,700	Shaul	2 mile survey. 300 chums at mouth.
		30-Jul	Good	0	0	0	0	5,700	Shaul	300 chums at mouth.
		25-Aug	Good	0	3	0	600	2,600	Shaul	300 chums at mouth. 300 pinks, and 900 chums in the upper valley.
311-60.06	Anderson's	15-Aug	Good	0	0	0	3,500	0	Shaul	1/2 mile survey.
		25-Aug	Good	0	0	0	4,500	0	Shaul	
311-60.07 & .08	Traders Cove	09-Aug	Good	0	0	0	400	200	Shaul	2,000 chums on flats, and another 4,000 chums in the channel.
		15-Aug	Good	0	0	0	2,300	400	Shaul	5,000 chums on flats, and 3,000 chums in in channel.
		25-Aug	Good	0	0	0	18,000	5,000	Shaul	Additional 2,000 chums in channel. 6,000 dead on flats, apparently stranded by tide.
		02-Sep	Poor	0	0	0	15,500	1,200	Shaul	Additional 300 chums on the flats, and 2,000 chums in the outlet channel. Species composition difficult. Cherokee survey.
		10-Sep	Good	0	0	0	20,500	2,000	Shaul	Additional 2,000 chums on the flats, and 3,000 chums in the outlet channel.

-Continued-

Table 31. (page 3 of 9)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species					Observer	Remarks[a,b]
				Chinook	Sockeye	Coho	Pink	Chum		
311-60.12	Warmsprings Bay	15-Aug	Good	0	0	0	0	0	Shaul	Nothing sighted.
		25-Aug	Good	0	2	0	100	300	Shaul	Nothing on flats.
		02-Sep	Poor	0	0	0	100	200	Shaul	Additional 200 chums on flats. Cherokee survey. Poor light.
		10-Sep	Good	0	0	0	400	800	Shaul	Additional 200 chums on flats.
311-60.13	Hungry's Creek	15-Aug	Poor	0	0	0	1,000	0	Shaul	Cherokee survey. Could have been more fish
		25-Aug	Good	0	600	0	5,300	0	Shaul	
312-20.01	Norma Bay	25-Aug	Good	0	500	0	0	100	Shaul	
312-20.02	Mike's Duck Camp	14-Jul	Good	0	0	0	0	700	Shaul	2 mile survey.
		24-Jul	Good	0	0	0	0	900	Shaul	2 mile survey. 2,000 chums at mouth.
		31-Jul	Good	0	0	0	0	600	Berceli	
		09-Aug	Good	0	0	0	0	1,800	Shaul	2 mile survey. 2,000 chums at mouth.
		25-Aug	Good	0	300	0	0	2,600	Shaul	1,000 chums at mouth.
312-20.03	Norma Bay South	24-Jul	Good	0	0	0	0	400	Shaul	
		31-Jul	Good	0	0	0	0	780	Berceli	
		09-Aug	Good	0	0	0	0	2,200	Shaul	2,500 chums at mouth.
		25-Aug	Good	0	0	0	0	3,600	Shaul	4,500 chums at mouth.
312-20.04	Norma Bay South	31-Jul	Good	0	0	0	0	50	Berceli	
		09-Aug	Good	0	0	0	0	100	Shaul	500 chums at mouth.
		25-Aug	Good	0	0	0	0	1,400	Shaul	2,000 chums at mouth.
312-20.52	2nd stream W of Frosty Cr.	25-Aug	Good	0	200	0	0	100	Shaul	3,000 chums at mouth.
312-20.51	Springs South of Frosty	25-Aug	Good	0	200	0	0	1,100	Shaul	300 chums at mouth.
312-20.05	Frosty Creek	14-Jul	Good	0	0	0	0	3,200	Shaul	
		24-Jul	Good	0	0	0	0	7,000	Shaul	
		31-Jul	Good	0	0	0	0	3,000	Berceli	
		03-Aug	Good	0	0	0	0	8,000	Shaul	2,000 chums at mouth.
		09-Aug	Good	0	0	0	0	6,000	Shaul	2,000 chums at mouth, plus several hundred carcasses.
		25-Aug	Good	0	0	0	0	9,300	Shaul	1,000 chums at mouth.
312-20.06	Blue Bill Lake	25-Aug	Good	0	1,500	0	0	100	Shaul	Chums spawning in the outlet.
		10-Sep	Good	0	2,800	0	0	500	Shaul	Chums spawning in the outlet. 300 sockeye were in Little Bluebill Lake.
		24-Sep	Good	0	5,800	0	0	0	Shaul	
312-20.13	Outer Marker Lake	25-Aug	Good	0	2,100	0	0	200	Shaul	
		10-Sep	Good	0	2,800	0	0	400	Shaul	900 sockeye in upper lake; Half of sockeye in lower lake are still schooled. Chums spawning in the outlet.
		24-Sep	Good	0	1,600	0	0	0	Shaul	700 sockeye in upper lake.

-Continued-

Table 31. (page 4 of 9)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species					Observer	Remarks[a,b]
				Chinook	Sockeye	Coho	Pink	Chum		
312-40.00	Spring fed 2m SW of Joshua Green River	Not surveyed								
312-40.01	Joshua Green	14-Jul	Good	0	12,000	0	0	18,000	Shaul	Survey of right hand, and below forks.
		23-Jul	Good	0	23,800	0	0	24,400	Shaul	Survey of right hand, and below forks. Some chum spawning. Looks good below forks
		31-Jul	Good	0	3,940	0	0	2,530	Shaul	Survey of right hand, and below forks. All upstream.
		09-Aug	Good	0	11,200	0	0	21,100	Shaul	800 chums in left-hand, and 3,000 chums below the forks.
		25-Aug	Good	0	9,800	0	400	74,500	Shaul	35,800 chums in left-hand, and 9,000 chums below forks. 600 sockeye were spawning in the lake, and the pinks were in the right-hand valley.
312-40.02	Moffet Springs Creek	14-Jul	Good	0	0	0	0	1,300	Shaul	
		31-Jul	Good	0	0	0	0	620	Berceli	
		09-Aug	Good	0	0	0	0	3,000	Shaul	
		25-Aug	Good	0	300	0	0	6,000	Shaul	
312-40.03	Moffet Creek	14-Jul	Good	0	300	0	0	600	Shaul	
		31-Jul	Good	0	590	0	0	250	Berceli	
		09-Aug	Good	0	0	0	0	4,000	Shaul	
		25-Aug	Good	0	1,000	0	200	11,000	Shaul	Good chum escapement.
NORTHERN DISTRICT										
313-10.02	North Creek	16-Jul	Good	70	0	0	0	0	Berceli	70 kings, only saw as movement of fish at clear tributary.
		24-Aug	Good	30	15,700	0	0	2,500	Shaul	30 kings spawning in A. Good sockeye escapement. 500 chums below forks, rest in B.
313-10.05	Cathedral River	24-Aug	Good	0	900	0	0	0	Shaul	
313-10.06	Trader Mt.	16-Jul	Good	0	0	0	0	0	Berceli	
313-10.09	Amoco Airstrip	Not surveyed								
313-10.11	Black Hills	16-Jul	Good	700	0	0	0	0	Berceli	Small to medium schools in deep pools.
313-10.14	Steelhead	16-Jul	Good	100	0	0	0	0	Berceli	Chinook in lower section below forks.
313-30.01	David's River	16-Jul	Poor	300	300	0	0	0	Berceli	Surveyed above Maxie's house.
		21-Jul	Good	700	1,800	0	0	0	Berceli	Chinook on riffles. Sockeye in schools. Surveyed above Maxie's.
		18-Sep	Good	0	8,500	500	0	0	Shaul	6,000 sockeye in Big Fish Lake, and 1,900 sockeye in White Fish Lake. Nearly all 300 sockeye in upper lake were dead. Coho count low, moved up as far as outlet of upper lake.

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Table 31. (page 5 of 9)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species					Observer	Remarks[a,b]
				Chinook	Sockeye	Coho	Pink	Chum		
313-30.02	Caribou River	23-Jul	Good	0	2,300	0	0	0	Shaul	Surveyed Divide Lake and Trader Mountain tributaries. 100 sockeye in Divide Lake.
		24-Aug	Good	0	300	0	0	0	Shaul	Surveyed Divide Lake and Trader Mountain tributaries. Sockeye were mostly schooled, and in Divide Lake. 1,000 Dolly Varden in Trader Mountain tributaries.
313-30.03	Nelson River Hoodoo Lake[c]	16-Jul	Poor	1,300	3,000	0	0	0	Berceli	Surveyed from forks to weir. All fish in upper portion of river.
		21-Jul	Good	1,800	3,700	0	0	0	Berceli	Weir pulled on this date.
							0	Berceli		Surveyed from forks to weir. Weir pulled on this date.
		24-Aug	Fair	0	0	6,000	0	0	Shaul	Surveyed forks to left creek.
		24-Aug	Poor	50	7,500	0	0	16,200	Murphy	Surveyed tower to lake. Plus 1,000 sockeye carcasses. Poor light conditions first few miles above the tower.
		31-Aug	Good	0	400	3,800	0	350	Berceli	Surveyed forks to left creek. Sockeye and chums above weir. Coho were schooled from confluence of Peterson's
		03-Sep	Good	0	0	9,000	0	0	Shaul	Surveyed from forks to left creek. 3,500 coho below Peterson's Creek.
		08-Sep	Fair	0	0	8,500	0	0	Shaul	Surveyed from forks to left creek. Fair visibility above Peterson's Creek; poor visibility below. All fish observed were above Peterson's Creek. Probably 10-12,000 coho in Supsuk River.
		18-Sep	Good	0	0	20,000	0	0	Shaul	Surveyed Supsuk River. Most fish were between Peterson's Creek and Left Creek. The largest concentration was between Peterson's Creek and the weir, with a couple small schools in the lower river.
313-30.03	Peterson Creek	21-Jul	Good	30	0	0	0	0	Berceli	Surveyed from confluence with Supsuk River to Peterson's Airstrip.
313-30.??	Coastal Lake	18-Sep	Good	0	4,500	0	0	0	Shaul	500 in Drillhole Lake, rest in lake next to Coastal Lake.
314-20.02	Doe Valley	24-Jul	Good	0	0	0	0	0	Murphy	
		24-Aug	Good	0	0	0	0	1,300	Murphy	Additional 300 chum carcasses.
314-20.03	Buck Valley	24-Jul	Good	0	0	0	0	0	Murphy	
314-20.04	Deer Valley	24-Jul	Good	0	0	0	0	1,000	Murphy	
		24-Aug	Poor	0	0	0	0	3,800	Murphy	600 chum carcasses. Murky water.
		03-Sep	Good	0	0	0	4,500	500	Shaul	Additional 2,000 carcasses.
314-20.05	Portage Valley	24-Jul	Good	0	0	0	0	0	Murphy	Surveyed 1 mile above, nothing.
		24-Aug	Good	0	0	0	0	200	Murphy	500 chums at mouth.

-Continued-

Table 31. (page 6 of 9)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species					Observer	Remarks[a,b]
				Chinook	Sockeye	Coho	Pink	Chum		
314-20.06	Grass Valley	24-Jul	Good	10	5	0	0	2,000	Murphy	1,000 chums outside the creek.
		29-Jul	Good	0	10	0	0	6,300	Murphy	200 in lake rest in river.
		01-Aug	Good	0	0	0	0	9,100	Shaul	2,000 chums at mouth, and 2,000 on flats.
		24-Aug	Poor	0	0	0	0	0	Murphy	Too murky .
		03-Sep	Good	3	200	0	5,000	2,300	Shaul	Plus 3,000 carcasses.
314-20.07	Lawrence Valley	24-Jul	Good	0	0	0	0	13,000	Murphy	7,000 pinks on the outside.
		29-Jul	Good	0	0	0	40,000	25,000	Murphy	Chums in lower end of river.
		01-Aug	Good	0	0	0	70,000	3,000	Shaul	17,000 carcasses at mouth.
314-20.08	Mine Harbor	24-Jul	Good	0	0	0	0	0	Murphy	
		29-Jul	Good	0	0	0	0	0	Murphy	
		24-Aug	Good	0	0	0	0	0	Murphy	
314-20.09	Coal Creek	24-Jul	Good	0	0	0	0	1,000	Murphy	
		29-Jul	Good	0	0	0	0	1,900	Murphy	1,700 chums in upper river.
314-30.04	Mud Bay	24-Jul	Poor	0	0	0	0	1,100	Murphy	3 mile survey; too windy.
		29-Jul	Good	0	0	0	0	4,000	Murphy	Good survey.
		24-Aug	Good	0	0	0	0	2,400	Murphy	
314-30.05	Mud Bay	24-Jul	Poor	0	0	0	0	800	Murphy	3 mile survey; too windy.
		29-Jul	Good	0	0	0	0	600	Murphy	Good survey.
		24-Aug	Good	0	0	0	0	1,500	Murphy	
314-30.07	Right Head Creek	24-Jul	Poor	0	0	0	0	0	Murphy	1 mile survey.
		24-Aug	Good	0	0	0	0	1,600	Murphy	In lower river.
314-30.09	Right Head Creek	24-Jul	Poor	0	0	0	0	700	Murphy	3 mile survey; too windy.
		24-Aug	Good	0	0	0	0	600	Murphy	
314-30.10	Left Head Creek	24-Jul	Poor	0	0	0	0	0	Murphy	3 mile survey; too windy.
315-10.01	Frank's Lagoon	11-Jun	Good	0	0	0	0	0	Murphy	1 mile survey of lower river. Nothing.
		17-Jul	Good	0	0	0	0	0	Murphy	Survey of lagoon only. Nothing.
		25-Aug	Good	0	0	100	0	0	Murphy	All in upper river. No outlet for most of chum run; not flowing into Bering Sea again (sporadic).
315-10.02	King Salmon	11-Jun	Fair	0	0	0	0	0	Murphy	3 mile survey. Nothing.
		17-Jul	Good	200	0	0	0	0	Murphy	Chinook mostly in the upper river.
315-11.02	Bear River C & E[d]	11-Jun	Good	0	500	0	0	0	Murphy	Survey from Ridgerunner and mouth, to weir Most fish above Muddy.
		17-Jul	Good	4	500	0	0	0	Murphy	Chinook upstream; sockeye downstream.

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Table 31. (page 7 of 9)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species					Observer	Remarks[a,b]
				Chinook	Sockeye	Coho	Pink	Chum		
315-12.00	Sandy River and Lake	11-Jun	Good	0	0	0	0	0	Murphy	Survey of entire river and lake. Nothing.
		17-Jun	Good	0	0	0	0	0	Murphy	Survey of lagoon and lake. Nothing.
		20-Jun	Excellent	0	0	0	0	0	Murphy	Survey of lagoon only.
		02-Jul	Good	0	2,450	0	0	0	Murphy	Survey of lagoon, lake, and upper river. Most fish in south end of lake, off shelf. 50 fish in lagoon, 0 in upper river.
		08-Jul	Good	0	21,200	0	0	0	Shaul	All fish are in the lake.
		17-Jul	Good	0	2,400	0	0	0	Murphy	Survey of lagoon, lake, and upper river (to headwaters of Sandy). 200 sockeye in lake, 0 fish in lagoon, and 2,200 fish in Upper Sandy. Poor vis. in upper river.
		25-Aug	Poor	0	8,900	0	0	0	Murphy	Survey of upper river. Poor light.
316-10.01	Lime Creek	29-Jul	Good	0	0	0	0	100	Murphy	Thorough survey.
316-10.02	Unnamed	Not Surveyed								
316-10.04	Three Hills	Not Surveyed								
316-10.05	Ocean River	20-Jun	Good	0	10,000	0	0	0	Murphy	10,000 sockeye estimated in lake near Wildman Lake. Many balls of fish.
		03-Jul	Good	0	11,500	0	0	0	Murphy	Many balls of fish in Lake 85, 0 fish in Wildman Lake. Helicopter survey.
		08-Jul	Good	0	8,000	0	0	0	Shaul	7,000 in Wildman Lake, and 1,000 in the upper portion of Ocean River.
		29-Jul	Good	0	14,900	0	0	0	Murphy	10,000 spawning in front of lodge, 4,000 in the river below the lodge, and 900 in Wildman Lake; plus 500 carcasses.
		05-Sep	Excellent	0	0	5,100	0	0	Murphy	Most fish 1-2 miles below the lodge.
		12-Sep	Good	0	0	2,000	0	0	Shaul	Fish in the lower 3-4 miles.
316-10.06	Willie Creek	20-Jun	Good	0	0	0	0	0	Murphy	
		03-Jul	Good	0	4,200	0	0	0	Murphy	Approximately 500 spawning at headwaters. Helicopter survey.
		29-Jul	Excellent	0	8,000	0	0	0	Murphy	Most fish are at the springs.
		05-Sep	Poor	0	0	0	0	0	Murphy	Poor lighting.
		12-Sep	Good	0	0	600	0	0	Shaul	
316-20.01	Ilnik Estuary & River[e]	20-Jun	Fair	0	400	0	0	0	Murphy	Fish between village and weir.
		03-Jul	Good	0	500	0	0	0	Murphy	Fish above weir. Helicopter survey.
		08-Jul	Good	0	8,000	0	0	0	Shaul	8,000 between weir and lower end of lake. Did not survey upper end of lake or Ilnik River.
		29-Jul	Poor	0	1,500	0	0	0	Murphy	Poor survey. Poor light, and windy.
		25-Aug	Poor	0	0	200	0	0	Murphy	Poor survey, fish in front of village.
		05-Sep	Poor	0	0	5,500	0	0	Murphy	Poor survey in lower river and lake; 1,000 coho, most above the village. 4,500 coho in the upper Ilnik.
		06-Sep	Good	0	0	7,000	0	0	Murphy	Surveyed from the weir to Ilnik Lake. Most fish in the lake.
		12-Sep	Good	0	0	20,900	0	0	Shaul	Nothing in river, 4,500 in lagoon. Good numbers still coming in.

-Continued-

Table 31. (page 8 of 9)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species					Observer	Remarks[a,b]
				Chinook	Sockeye	Coho	Pink	Chum		
316-20.04	Unangashak River	24-Aug	Poor	0	0	0	0	0	Murphy	Very poor visibility.
		05-Sep	Poor	0	0	600	0	0	Murphy	Poor light conditions.
		12-Sep	Good	0	0	2,000	0	0	Shaul	Survey of lower 2 miles. Poor light.
317-2	Charles	12-Aug	Good	0	0	0	0	700	Murphy	
317-4 A&B	Bluff Creek	12-Aug	Good	0	9,500	0	0	5,500	Murphy	Additional 2,100 sockeye carcasses, some probably kings.
317-6 A	Highland Creek	12-Aug	Good	0	300	0	0	100	Murphy	Additional 400 sockeye carcasses.
317-7 A	Meshik River	10-Jul	Good	0	12,700	0	0	0	Quimby	Fish were up to 5 miles above Scotty's Island. Good showing at Big Island near mouth. 9,100 in Landlocked C-1 channel.
		13-Aug	Good	0	500	0	0	100	Owen	Survey above Cub Creek.
		26-Aug	Poor	0	0	600	0	0	Bulla	Survey up to Scotty's Island. Poor to fair visibility, could not see in deeper water. Did not survey lake by-pass north of Scotty's Island.
		02-Sep	Poor	0	0	120	0	0	Quimby	Water level low, but fairly milky. May have missed a few in deeper water, but definitely no large amount of fish.
		12-Sep	Excellent	0	0	19,300	0	0	Shaul	2,000 coho below Scotty's Island, 11,000 between Scotty's Island and Plenty Bear, balance above Plenty Bear. Fish were almost up to O-A. Additional 900 coho in Braided Creek. Excellent conditions.
317-7 B	Braided Creek	12-Aug	Good	500	900	0	0	3,600	Murphy	Additional 400 chum carcasses.
		26-Aug	Good	0	0	30	0	0	Bulla	
317-7 C	Landlocked Creek	12-Aug	Good	0	1,800	0	0	1,400	Murphy	Additional 300 sockeye carcasses.
317-7 D	Bluff Creek	12-Aug	Good	300	2,000	0	0	0	Murphy	Additional 500 sockeye carcasses.
317-7 E	Blue Violet	12-Aug	Good	200	6,200	0	0	1,000	Murphy	Additional 300 sockeye carcasses. Most of Sleepy Creek is dry. 200 kings in Black Creek.
317-7 F	Wolf Creek	12-Aug	Good	0	1,600	0	0	200	Murphy	Additional 400 sockeye carcasses.
317-7 H	Shoe Creek	12-Aug	Good	0	700	0	0	2,700	Murphy	Additional 100 sockeye carcasses.
317-7 K	Unnamed	13-Aug	Good	0	2,000	0	0	1,000	Owen	Additional 500 sockeye carcasses.
317-7 L	Unnamed	13-Aug	Good	0	0	0	0	200	Owen	Additional 200 sockeye carcasses.
317-7 M	Unnamed	Not Surveyed								

-Continued-

Table 31. (page 9 of 9)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species					Observer	Remarks[a,b]
				Chinook	Sockeye	Coho	Pink	Chum		
317-7 N	Unnamed	Not Surveyed								
317-7 O	Plenty Bear Creek	13-Aug	Good	0	0	0	0	4,000	Owen	Some likely kings.
317-7 O-A	Plenty Bear Creek	13-Aug	Good	0	0	0	0	300	Owen	
317-7 P	Waterfall Creek	13-Aug	Good	0	0	0	0	100	Owen	
317-7 R	Rainbow Creek	13-Aug	Good	0	0	0	0	1,000	Owen	
317-7 T	Cub Creek	Not Surveyed								
317-20.08	Birthday Creek	13-Aug	Good	0	0	0	0	500	Owen	
		26-Aug	Good	0	0	300	0	0	Bulla	
317-20.09	Barabara Creek	12-Aug	Poor	0	0	0	0	0	Murphy	
318-10.01	Reindeer Creek	12-Sep	Good	0	0	800	0	0	Shaul	In lower 1/2 mile, 3 subsistence nets were across the creek.
318-20.04	Mud Creek	12-Aug	Good	0	1,200	0	0	0	Murphy	
		26-Aug	Good	0	0	18,600	0	0	Bulla	
		12-Sep	Excellent	0	0	15,200	0	0	Shaul	Looks good. Excellent visibility.
318-20.06	Cinder River	12-Aug	Good	100	4,700	0	0	500	Murphy	Additional 1,000 sockeye carcasses.
		26-Aug	Poor	0	0	300	0	0	Bulla	Poor to fair visibility.
		12-Sep	Excellent	0	0	9,300	0	0	Shaul	Excellent visibility.
318-20.06	Lava Creek	12-Aug	Good	0	2,200	0	0	100	Murphy	Additional 1,000 sockeye carcasses.
318-20.06	High Creek	12-Aug	Poor	0	1,200	0	0	300	Murphy	Poor light.
318-20.06	Meloy Creek	12-Aug	Good	0	2,900	0	0	1,500	Murphy	Additional 500 sockeye carcasses.
318-20.06	Wiggly Creek	12-Aug	Good	100	100	0	0	1,900	Murphy	Additional 200 sockeye and 300 chum carcasses.
318-20.06	Ray Creek	12-Aug	Good	100	100	0	0	0	Murphy	
318-20.06	L Creek	12-Aug	Good	0	100	0	0	400	Murphy	

[a] Fish listed as being off mouth, etc., are in addition to those in stream unless otherwise noted in remarks.
[b] ADF&G super cub was used for surveys unless otherwise noted in remarks.
[c] See Nelson River weir counts and total escapement.
[d] See Bear River weir counts and total escapement.
[e] See Ilnik River weir counts and total escapement.

Table 32. Peak and estimated total salmon escapement by, district, species, and stream for the North Peninsula, 1992.

Stream Number	Stream Name/Location	Species									
		Chinook		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total	Peak	Total
NORTHWESTERN DISTRICT											
311-20.15	Tugumak River	Not Surveyed									
311-30.06	Divide Creek	0	0	500	1,000	0	0	0	0	0	0
311-30.05	Unnamed	Not Surveyed									
311-30.07	Whaleback	0	0	26,300	32,875	0	0	0	0	0	0
311-30.08	Christianson	0	0	1,200	2,400	0	0	0	0	0	0
311-30.09	Mudhole	0	0	100	125	0	0	0	0	5,000	8,500
311-30.10	Clear Lagoon	0	0	500	2,700	0	0	0	0	2,000	3,400
311-40.01	Emil's River	0	0	50	100	0	0	0	0	0	0
311-40.04	North Creek	Not Surveyed									
311-50.01	Big River	0	0	0	0	0	0	0	0	700	1,190
311-50.02	Swanson Lagoon	0	0	6,900	8,625	6,500	15,600	0	0	2,500	5,988
311-60.01	Mike's Valley	0	0	3	6	0	0	600	1,080	5,700	12,913
311-60.06	Anderson's	0	0	0	0	0	0	4,500	8,833	0	0
311-60.07 & .08	Traders Cove	0	0	0	0	0	0	20,500	55,714	5,000	8,500
311-60.12	Warmsprings Bay	0	0	2	4	0	0	400	720	800	1,360
311-60.13	Hungry's Creek	0	0	600	1,200	0	0	5,300	9,540	0	0
312-20.01	Norma Bay	0	0	500	1,000	0	0	0	0	100	170

-Continued-

Table 32. (page 2 of 7)

Stream Number	Stream Name/Location	Species									
		Chinook		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total	Peak	Total
312-20.02	Mike's Duck Camp	0	0	300	600	0	0	0	0	2,600	8,600
312-20.03	Norma Bay South	0	0	0	0	0	0	0	0	3,600	9,712
312-20.04	Norma Bay South	0	0	0	0	0	0	0	0	1,400	3,400
312-20.52	2nd stream W of Frosty Cr.	0	0	200	400	0	0	0	0	100	170
312-20.51	Springs South of Frosty	0	0	200	400	0	0	0	0	1,100	1,870
312-20.05	Frosty Creek	0	0	0	0	0	0	0	0	9,300	37,383
312-20.06	Blue Bill Lake	0	0	5,800	11,600	0	0	0	0	500	850
312-20.13	Outer Marker Lake	0	0	2,800	5,600	0	0	0	0	400	680
312-40.00	Spring fed 2m SW of Joshua Green River	Not Surveyed									
312-40.01	Joshua Green	0	0	23,800	47,600	0	0	400	720	74,500	173,954
312-40.02	Moffet Springs Creek	0	0	300	375	0	0	0	0	6,000	15,248
312-40.03	Moffet Creek	0	0	1,000	1,250	0	0	200	360	11,000	20,113
Northwestern District Total		0	0	71,055	117,860	6,500	15,600	31,900	76,967	132,300	314,001

-Continued-

Table 32. (page 3 of 7)

Stream Number	Stream Name/Location	Species									
		Chinook		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total	Peak	Total
NORTHERN DISTRICT											
313-10.02	North Creek	70	134	15,700	19,625	0	0	0	0	2,500	6,500
313-10.05	Cathedral River	0	0	900	1,800	0	0	0	0	0	0
313-10.06	Trader Mt.	0	0	0	0	0	0	0	0	0	0
313-10.09	Amoco Airstrip	Not Surveyed									
313-10.11	Black Hills	700	1,663	0	0	0	0	0	0	0	0
313-10.14	Steelhead	100	192	0	0	0	0	0	0	0	0
313-30.01	David's River	700	1,663	8,500	10,625	0	0	0	0	0	0
313-30.02	Caribou River	0	0	2,300	4,600	0	0	0	0	0	0
313-30.03	Nelson River Hoodoo Lake	1,300	2,496	15,255	162,300	20,000	48,000	0	0	350	595
313-30.03	Peterson Creek	30	58	0	0	0	0	0	0	0	0
313-30.??	Coastal Lake	0	0	4,500	9,000	0	0	0	0	0	0
314-20.02	Doe Valley	0	0	0	0	0	0	0	0	1,300	2,687
314-20.03	Buck Valley	0	0	0	0	0	0	0	0	0	0
314-20.04	Deer Valley	0	0	0	0	0	0	4,500	12,300	1,000	2,800
314-20.05	Portage Valley	0	0	0	0	0	0	0	0	200	700
314-20.06	Grass Valley	10	19	200	250	0	0	5,000	11,000	9,100	16,474

-Continued-

Table 32. (page 4 of 7)

Stream Number	Stream Name/Location	Species									
		Chinook		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total	Peak	Total
314-20.07	Lawrence Valley	0	0	0	0	0	0	70,000	126,000	25,000	42,500
314-20.08	Mine Harbor	0	0	0	0	0	0	0	0	0	0
314-20.09	Coal Creek	0	0	0	0	0	0	0	0	1,900	3,230
314-30.04	Mud Bay	0	0	0	0	0	0	0	0	4,000	8,747
314-30.05	Mud Bay	0	0	0	0	0	0	0	0	1,500	4,240
314-30.07	Right Head Creek	0	0	0	0	0	0	0	0	1,600	2,720
314-30.09	Right Head Creek	0	0	0	0	0	0	0	0	600	1,020
314-30.10	Left Head Creek	0	0	0	0	0	0	0	0	0	0
315-10.01	Frank's Lagoon	0	0	0	0	100	240	0	0	0	0
315-10.02	King Salmon	200	384	0	0	0	0	0	0	0	0
315-11.02	Bear River C & E	400	768	0	450,000	0	0	0	0	0	0
315-12.00	Sandy River and Lake	0	0	21,200	26,500	0	0	0	0	0	0
316-10.01	Lime Creek	0	0	0	0	0	0	0	0	100	170
316-10.02	Unnamed	Not Surveyed									
316-10.04	Three Hills	Not Surveyed									
316-10.05	Ocean River	0	0	0	29,800	5,100	12,240	0	0	0	0
316-10.06	Willie Creek	0	0	0	13,313	600	1,440	0	0	0	0

-Continued-

Table 32. (page 5 of 7)

Stream Number	Stream Name/Location	Species									
		Chinook		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total	Peak	Total
316-20.01	Ilnik Estuary & River	0	0	3,098	45,000	20,900	50,160	0	0	0	0
316-20.04	Unangashak River	0	0	0	0	2,000	4,800	0	0	0	0
317-2	Charles	0	0	0	0	0	0	0	0	700	1,190
317-4 A&B	Bluff Creek	300	576	9,500	19,000	0	0	0	0	5,500	9,350
317-6 A	Highland Creek	0	0	300	600	0	0	0	0	100	170
317-7 A	Meshik River	0	0	12,700	25,400	19,300	38,600	0	0	0	0
317-7 B	Braided Creek	500	960	900	1,800	30	72	0	0	3,600	6,120
317-7 C	Landlocked Creek	0	0	1,800	3,600	0	0	0	0	1,400	2,380
317-7 D	Bluff Creek	0	0	2,000	4,000	0	0	0	0	0	0
317-7 E	Blue Violet	200	384	6,200	12,400	0	0	0	0	1,000	1,700
317-7 F	Wolf Creek	0	0	1,600	3,200	0	0	0	0	200	340
317-7 H	Shoe Creek	0	0	700	1,400	0	0	0	0	2,700	4,590
317-7 K	Unnamed	0	0	2,000	4,000	0	0	0	0	1,000	1,700
317-7 L	Unnamed	0	0	0	0	0	0	0	0	200	340
317-7 M	Unnamed	Not Surveyed									
317-7 N	Unnamed	Not Surveyed									
317-7 O	Plenty Bear Creek	0	0	0	0	0	0	0	0	4,000	6,800

-Continued-

Table 32. (page 6 of 7)

Stream Number	Stream Name/Location	Species									
		Chinook		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total	Peak	Total
317-7 O-A	Plenty Bear Creek	0	0	0	0	0	0	0	0	300	510
317-7 P	Waterfall Creek	0	0	0	0	0	0	0	0	100	170
317-7 R	Rainbow Creek	0	0	0	0	0	0	0	0	1,000	1,700
317-7 T	Cub Creek	Not Surveyed									
317-20.08	Birthday Creek	0	0	0	0	300	720	0	0	500	850
317-20.09	Barabara Creek	0	0	0	0	0	0	0	0	0	0
318-10.01	Reindeer Creek	0	0	0	0	800	1,920	0	0	0	0
318-20.04	Mud Creek	0	0	1,200	2,400	18,600	44,640	0	0	0	0
318-20.06	Cinder River	100	192	4,700	9,400	9,300	22,320	0	0	500	850
318-20.06	Lava Creek	0	0	2,200	4,400	0	0	0	0	100	170
318-20.06	High Creek	0	0	1,200	2,400	0	0	0	0	300	510
318-20.06	Meloy Creek	0	0	2,900	5,800	0	0	0	0	1,500	2,550
318-20.06	Wiggly Creek	0	0	100	200	0	0	0	0	1,900	3,230
318-20.06	Ray Creek	100	192	100	200	0	0	0	0	0	0
318-20.06	L Creek	0	0	100	200	0	0	0	0	400	680
Northern District Total		4,710	9,681	142,091	830,100	91,330	211,472	79,500	149,300	76,150	138,283
North Peninsula Total		4,710	9,681	213,146	947,960	97,830	227,072	111,400	226,267	208,450	452,284

-Continued-

Notes: Escapement determined from spawner abundance curves derived from aerial escapement surveys under fair or better visability conditions and an assumed, 7 day average stream life for chum salmon in Swanson Lagoon, and a 15 day average stream life for all other chum and pink salmon. Where peak counts were greater than the calculated escapement, the peak count was expanded by 1.7 for chum salmon, and 1.8 for pink salmon. The expansion factors were determined by using the ratio of peak count to total estimated escapement where ascending, peak count, and descenting counts were available.

Chinook estimated total escapement (peak x 1.92), sockeye (peak x 1.25 for Whaleback Mountain Creek, Swanson Lagoon, Moffet Creek, North Creek, David's River, Grass Valley, Mudhole, Clear Lagoon, and Sandy Lake, and peak x 2.0 for other streams), and coho (peak x 2.4).

Chum and pink salmon calculated using a 15 day stream life, where peak counts were greater than the calculated escapement the peak count was expanded by 1.9198 (determined by using the ratio of peak count to total estimated escapement where ascending, peak count, and descenting counts were available.

Chinook estimated total escapement (peak x 1.92), sockeye (peak x 1.25; clear streams and peak x 2.0; other streams), coho (peak x 2.4). Escapement determined from spawner abundance curves derived from aerial escapement surveys under fair or better visiability conditions and as assumed, 7 day average stream life for chum salmon in Swanson Lagoon, and a 15 day average stream life for all other chum and pink salmon. The peak count was used in instances when the peak count exceeded the computed estimate.

A zero indicates no fish were present while a blank indicates no fish of that species were observed.

Sockeye escapements were determined by an expansion faactor of 1.25 for Whaleback Mountain Creek, Swanson Lagoon, Moffet Creek, North Creek, David's River, Grass Valley, Sandy Lake, Mudhole, and Clear Lagoon. All other sockeye escapements were determined by an expansion factor of 2.0.

Table 33. Indexed total escapement of sockeye salmon in some North Peninsula systems, in thousands of fish, 1992.

Year	Ilnik River	Willie Creek	Ocean River	Sandy River	Bear River	Nelson Lagoon	Whaleback Mtn. Creek	Cristianson Lgn. Crks.
1960	7.0	45.0	14.6 a	27.5	185.0	48.0	14.5	1.3
1961	4.5	12.6	0.6 a	57.3	200.0	138.2	-	-
1962	3.3	2.0	0.1 a	25.0	190.0	54.2	-	-
1963	4.6	2.8	2.5 a	38.6	200.0	31.0	12.5	0.7
1964	-	2.4	0.6 a	40.2	210.0	80.0	16.7	1.5
1965	7.0	2.7	2.3 b	22.0	115.0	37.0	5.0	0.4
1966	14.0	12.6	4.2 b	5.0	180.0	36.5	8.7	0.6
1967	14.0	3.8	5.0 b	30.0	170.0	42.0	-	0.6
1968	11.2	-	0.6 b	16.0	150.0	31.0	5.0	-
1969	-	-	0.5 a	45.0	361.0	78.5	30.0	3.0
1970	7.6	7.0	0.7 a	25.0	269.0	82.4	-	-
1971	9.0	16.1	1.0 a	30.0	251.0	60.1	27.5	2.0
1972	5.4	6.0	1.7 c	8.4	127.0	28.0	2.5	1.4
1973	13.1	1.7	1.2 c	5.1	125.0	18.7	4.0	0.1
1974	10.3	1.5	2.7 c	16.5	250.0	39.9	2.9	0.2
1975	18.0	5.3	17.2 c	40.0	270.0	138.6	10.0	0.4
1976	10.2	4.1	0.8 a	43.0	285.0	108.9	18.0	1.4
1977	9.2	8.2	3.2 a	50.2	215.0	155.0	12.5	1.2
1978	12.9	5.0	2.8 a	64.0	730.0	304.3	10.0	0.2
1979	79.2	6.0	12.0 a	61.0	952.0	360.1	24.4	1.0
1980	49.6	20.0	28.0 a	76.0	670.8	352.6	75.6	0.3
1981	-	-	- a	51.5	689.9	251.0	57.0	2.1
1982	12.0	13.6	16.9 a	61.3	300.0	179.6	25.0	0.5
1983	11.8	3.6	13.2 a	28.0	329.9	128.8	12.0	1.5
1984	12.4	3.7	- a	19.0	394.6	251.0	61.0	2.0
1985	13.1	3.6	4.3 a	11.5	440.0	318.5	24.4	1.4
1986	44.5	15.1	7.2 c	6.9	273.4	117.9	36.3	0.5
1987	15.2	8.5	7.0 c	8.7	252.4	155.7	23.8	0.4
1988	14.0	5.2	7.7 a	34.5	310.1	142.5	28.6	1.1
1989	12.0	4.3	0.2 a	36.0	451.0	206.8	45.0	1.7

-Continued-

Table 33. (page 2 of 2)

Year	Ilnik River	Willie Creek	Ocean River	Sandy River	Bear River	Nelson Lagoon	Whaleback Mtn. Creek	Cristianson Lgn. Crks.
1990	9.4	17.1	9.2 [a]	17.5	546.8	269.2	40.6	5.0
1991	10.1	26.0	99.0 [a]	75.2	606.0	279.2	61.0	1.5
1992	16.6	14.4	14.0 [a]	21.2	450.0	179.7	26.3	1.2

[a]Years Ocean River emptied into Ilnik Lagoon.
[b]Years Ocean River emptied directly into Bering Sea.
[c]Years when it is not known as to where Ocean River emptied.

Table 34. Indexed total escapement of chum salmon in some major North Peninsula production locations, in thousands of fish, 1992.

Year	Frank's Lagoon	Moller Bay	Herendeen Bay	Nelson Lagoon	Moffett Bay	Izembek Bay	St. Catherine Cove
1960	3.0	27.1	52.5	-	76.4	18.0	5.2
1961	3.5	14.4	24.0	9.1	-	11.0	-
1962	1.5	2.0	16.4	9.7	-	48.0	21.6
1963	0.5	6.4	13.5	7.0	91.5	44.0	6.6
1964	2.2	11.0	25.5	2.0	56.5	42.0	-
1965	1.2	-	5.6	4.0	-	9.5	0.6
1966	0.7	10.7	45.5	17.0	-	19.5	5.0
1967	-	-	19.3	29.8	17.8	15.0	3.6
1968	6.0	(3.6)	45.5	18.1	89.3	52.8	4.4
1969	-	-	10.0	13.0	72.3	23.0	6.3
1970	0.5	11.6	31.2	36.0	(32.3)	25.1	3.1
1971	0	4.4	10.2	19.0	28.0	26.1	3.8
1972	4.3	-	6.0	16.8	29.1	36.7	5.9
1973	0.6	(1.4)	2.8	12.7	41.1	27.0	8.4
1974	1.3	-	2.8	8.3	34.1	41.9	3.5
1975	2.6	(1.2)	6.3	4.5	35.8	38.3	12.7
1976	6.4	9.1	19.4	42.5	90.8	36.5	5.4
1977	10.0	32.2	77.5	83.3	254.9	126.5	14.6
1978	-	(9.8)	64.3	10.2	85.7	48.4	12.0
1979	5.6	13.0	18.0	37.0	130.0	48.0	5.2
1980	17.8	37.2	79.0	164.0	289.3	84.8	13.1
1981	22.1	34.2	50.1	57.0	187.0	48.0	10.0
1982	41.8	8.8	(152.3)	29.1	130.4	38.6	10.8
1983	15.0	16.4	108.0	14.0	115.5	57.2	8.3
1984	6.8	18.6	22.7	49.0	354.2	73.3	7.7
1985	5.2	6.9	64.8	13.0	138.8	59.9	7.5
1986	5.7	11.3	44.5	0.8	121.1	21.3	6.3
1987	4.9	19.6	69.0	5.2	217.6	68.4	17.9
1988	2.0	17.2	59.4	11.0	237.3	67.1	10.7
1989	2.2	6.5	76.9	0.8	57.2	33.4	5.1
1990	0.6	5.3	96.3	-	73.6	18.9	4.3
1991	-	3.8	52.0	-	135.5	36.9	16.5
1992	0	(15.2)	74.5	16.2	135.7	35.5	9.1

- Insufficient data for estimate.
() Estimate based on incomplete data.

Table 35. Sapsuk River indexed total coho salmon escapements, 1979-1992.

Year	Escapement
1979	17,000
1980	26,700
1981	30,000
1982	-
1983	13,000
1984	28,600
1985	17,500
1986	23,000
1987	27,500
1988	17,000
1989	32,000
1990	30,000
1991	33,000
1992	20,000

Table 36. Sandy River estimated sockeye escapement age composition, in thousands of fish, 1979-1992.

Age Class	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.2	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-
0.3	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-
0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1	-	-	-	2.3	0.1	-	-	-	-	0.3	0.1	-	-	-
1.2	31.8	13.8	8.4	36.4	18.5	10.9	-	2.1	-	21.4	7.7	-	-	-
1.3	16.0	53.6	37.5	16.7	7.4	7.7	-	4.4	-	11.8	25.7	-	-	-
1.4	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-
2.1	-	-	-	0.3	-	-	-	-	-	-	0.3	-	-	-
2.2	5.8	3.3	2.8	0.8	2.0	0.2	-	0.1	-	0.6	0.4	-	-	-
2.3	7.4	4.5	2.8	4.8	-	0.2	-	0.3	-	0.1	1.6	-	-	-
2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-
3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	61.0	76.0	51.5	61.3	28.0	19.0	11.5	6.9	8.7	34.5	36.0	17.5	75.2	21.2

The 1988 and 1989 information was obtained from scale samples, otoliths were used during previous years. Escapements are indexed totals.

Table 37. Bear River estimated sockeye escapement age composition, in thousands of fish, 1979-1992.

Age Class	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2
0.3	-	-	-	-	-	-	-	0.3	-	-	-	-	0.1	0.2
0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1	6.7	7.6	-	2.5	0.1	8.5	0.8	-	-	0.1	1.0	-	3.5	4.1
1.2	40.3	34.9	128.9	4.5	6.6	12.1	16.1	9.5	6.5	1.1	14.0	61.1	37.1	9.0
1.3	3.1	9.4	37.8	15.4	2.1	4.9	30.2	12.6	33.9	14.9	1.3	11.5	111.8	8.8
1.4	-	-	-	-	0.3	0.4	-	-	0.2	0.1	2.7	-	1.6	3.4
2.1	95.1	44.3	14.6	55.9	40.3	141.7	36.8	3.2	0.5	28.7	37.5	6.3	43.0	57.6
2.2	660.7	480.4	397.1	95.9	154.4	167.7	299.7	159.1	132.8	126.0	265.8	338.9	366.4	288.5
2.3	144.6	93.3	111.5	125.7	119.6	59.3	52.9	88.3	77.5	138.9	123.2	109.3	40.9	75.1
2.4	-	-	-	-	1.4	-	1.5	0.4	1.0	0.2	4.8	0.9	0.9	0.6
3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0
3.2	-	0.9	-	0.1	4.7	-	2.0	-	-	0.1	0.5	17.7	0.4	1.6
3.3	1.5	-	-	-	0.4	-	-	-	-	-	0.2	0.4	-	-
3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-
Total	952.0	670.8	689.9	300.0	329.9	394.6	440.0	273.4	252.4	310.1	451.0	546.8	606.0	450.0

Table 38. Nelson (Sapsuk) River estimated sockeye escapement age composition, in thousands of fish, 1979-1992.

Age Class	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.5	0.5
0.3	-	-	-	-	-	-	-	0.7	-	0.8	-	1.6	0.2	0.6
0.4	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-
1.1	2.3	6.7	-	16.2	0.4	1.0	-	-	-	1.7	0.3	-	2.9	-
1.2	52.2	13.8	28.6	0.6	4.1	14.0	13.2	1.8	26.9	25.3	27.7	7.8	49.5	30.9
1.3	-	66.0	16.3	11.4	7.9	34.1	14.5	9.2	14.2	19.7	15.1	37.5	27.4	17.8
1.4	-	-	-	-	0.4	-	-	-	-	-	-	0.2	-	0.6
2.1	49.7	13.8	9.0	13.9	5.2	41.8	42.8	2.8	0.8	17.7	6.8	-	3.9	7.5
2.2	146.7	191.2	152.9	14.7	41.0	94.4	210.9	18.4	96.4	36.6	131.4	79.9	144.1	71.2
2.3	55.9	43.9	36.9	114.8	40.2	58.8	32.9	83.9	3.9	32.6	11.0	107.3	39.9	32.6
2.4	43.3	-	-	-	-	-	-	0.2	-	-	0.5	1.2	-	0.7
3.1	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-
3.2	-	-	0.5	-	0.4	-	-	-	-	0.6	0.1	4.0	-	-
3.3	-	-	-	-	0.4	-	-	-	-	-	-	1.1	-	-
3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	352.1	335.4	244.2	171.6	124.0	244.1	314.3	117.0	142.2	135.0	193.0	240.7	268.4	162.3

* In 1990, Nelson Lagoon catch samples were used as the escapement samples were lost in the mail. The catch samples were taken by gillnet gear and are not an accurate measure of escapement age composition.

Table 39. Urilia Bay, Meshik River, Ilnik Lagoon and Orzinski Lake sockeye escapement percent age composition, 1986-1992.

Urilia Bay

Year	0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.2	2.3	2.4
*1986	1.1	45.1	0.1	0	3.6	48.1	0.5	0.1	1.4	0
*1987	0.2	50.7	0	0	6.5	39.5	1.4	0	0.5	0
*1988	8.2	21.9	2.2	0	9.6	55.5	0	0.7	1.9	0
*1989	2.7	44.5	0.6	0	9.6	40.6	0.6	0.6	0.8	0
*1990	3.1	46.2	1.9	0	6.2	39.1	0.2	0.5	2.8	0
*1991	12.8	25.6	0.9	0	9.1	49.5	0.1	0.1	1.9	0
*1992	-	-	-	-	-	-	-	-	-	-

Swanson Lagoon

Year	0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.2	2.3	2.4
*1990	0	6.6	0	0	10.0	48.7	1.1	6.3	27.3	0
1991	-	-	-	-	-	-	-	-	-	-
1992	-	-	-	-	-	-	-	-	-	-

Izembek-Moffett

Year	0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.2	2.3	2.4
*1991	1.4	1.9	0	0	30.1	59.9	0.2	2.2	4.3	0
1992	-	-	-	-	-	-	-	-	-	-

*Samples are from commercial catch, dominantly seine caught

Ilnik Lagoon

Year	0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4
1986	0.9	53.9	0	0	1.3	37.3	0.1	0	0.9	5.5	0
1987	2.3	40.7	7.0	0	1.2	44.2	1.2	0	1.2	2.3	0
1988	1.7	40.6	1.5	0.2	5.8	43.0	2.0	0	0.9	3.9	0.4
1989	0.6	3.2	4.8	0.3	3.8	73.3	3.8	0	2.5	7.6	0
1990	0	7.8	0.8	0	50.6	23.7	5.3	0	6.1	5.7	0
1991	0.2	5.1	0	0.2	0.8	90.8	0.2	0.2	0.1	2.4	0
1992	1.9	14.3	4.7	0.1	16.6	29.9	26.9	0	3.4	2.1	0.1

-Continued-

Table 39. (page 2 of 2)

	Meshik River										
Year	0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4
1988	4.0	28.4	41.1	0	0.9	9.3	12.0	0	0.6	1.5	2.2
1989	2.5	20.7	1.0	0	7.8	47.9	1.2	0.6	1.9	16.3	0.2
1990	-	-	-	-	-	-	-	-	-	-	-
1991	-	-	-	-	-	-	-	-	-	-	-
1992	-	-	-	-	-	-	-	-	-	-	-

	Orzinski (Orzenoi) Lake												
Year	0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.2	3.3
1990	0	0	0	0.4	48.4	12.5	0.4	2.8	21.0	14.1	0	0	0.4
1991	0.7	0.5	0	0.2	29.3	38.5	0	0.9	27.2	2.8	0	0	0
1992	0	0	0	0.1	23.7	17.5	0.8	2.5	22.4	30.3	0.3	2.0	0.4

Table 40. South Peninsula salmon runs, by species, 1962-1992.[a]

Year		Chinook	Sockeye	Coho	Pink	Chum
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	1,800	1,794,600	32,200	1,723,400	981,700
	Escapement	0	16,500	-	1,298,900	280,500
	Total	1,800	1,811,100	-	3,022,300	1,262,200
1971	Catch	2,200	715,500	16,800	1,450,100	1,366,600
	Escapement	0	19,400	-	702,700	343,200
	Total	2,200	734,900	-	2,152,800	1,709,800
1972	Catch	1,300	557,800	8,000	78,000	727,500
	Escapement	0	11,900	-	111,400	254,500
	Total	1,300	569,700	-	189,400	982,000
1973	Catch	400	330,200	6,600	58,300	293,000
	Escapement	0	7,300	-	110,800	505,500
	Total	400	337,500	-	169,100	798,500
1974	Catch	500	204,700	9,400	100,200	71,500
	Escapement	0	95,600	-	284,400	257,300
	Total	500	300,300	-	384,600	328,800
1975	Catch	100	268,400	-	61,700	132,900
	Escapement	0	51,700	-	552,100	193,300
	Total	100	320,100	-	613,800	326,200

-Continued-

Table 40. (page 2 of 3)

Year		Chinook	Sockeye	Coho	Pink	Chum
1976	Catch	2,100	375,000	200	2,367,000	532,500
	Escapement	0	69,700	-	1,456,400	327,200
	Total	2,100	444,700	-	3,823,400	859,700
1977	Catch	500	311,700	2,100	1,448,600	243,200
	Escapement	0	64,900	-	2,677,800	774,900
	Total	500	376,600	-	4,126,400	1,018,100
1978	Catch	800	579,500	60,700	5,490,000	547,000
	Escapement	0	64,800	-	2,858,700	600,500
	Total	800	644,300	-	8,348,700	1,147,500
1979	Catch	2,100	1,149,700	356,500	6,570,600	483,000
	Escapement	0	53,300	-	2,629,500	411,100
	Total	2,100	1,203,000	-	9,200,100	894,100
1980	Catch	4,800	3,613,000	274,200	7,861,500	1,351,200
	Escapement	0	45,900	-	2,641,600	362,400
	Total	4,800	3,658,900	-	10,503,100	1,713,600
1981	Catch	12,200	2,255,200	162,200	5,035,900	1,770,300
	Escapement	0	45,700	-	2,307,500	381,300
	Total	12,200	2,300,900	-	7,343,400	2,151,600
1982	Catch	9,800	2,346,000	256,000	6,734,900	2,272,500
	Escapement	0	39,200	-	2,293,000	386,900
	Total	9,800	2,385,200	-	9,027,900	2,659,400
1983	Catch	26,900	2,556,600	127,700	2,827,600	1,707,100
	Escapement	0	59,200	-	851,200	446,500
	Total	26,900	2,615,800	-	3,678,800	2,153,600
1984	Catch	9,200	2,318,000	309,100	11,589,300	1,656,500
	Escapement	0	54,800	-	3,811,600	699,700
	Total	9,200	2,372,800	-	15,400,900	2,356,200
1985	Catch	7,900	2,214,600	172,500	4,433,700	1,393,100
	Escapement	0	49,900	-	1,614,100	503,400
	Total	7,900	2,264,500	-	6,047,800	1,896,500
1986	Catch	5,600	1,223,000	235,900	4,031,500	1,749,700
	Escapement	0	48,000	-	1,716,700	544,600
	Total	5,600	1,271,000	-	5,748,200	2,294,300
1987	Catch	9,200	1,449,900	224,700	1,208,600	1,376,300
	Escapement	0	44,600	-	1,540,500	620,700
	Total	9,200	1,494,500	-	2,749,100	1,997,000
1988	Catch	11,100	1,472,900	505,500	7,044,800	1,905,200
	Escapement	0	74,100	-	2,839,600	496,400
	Total	11,100	1,547,000	-	9,884,400	2,401,600
1989	Catch	7,000	2,660,700	443,800	7,292,700	994,200
	Escapement	0	78,100	-	1,870,900	310,500
	Total	7,000	2,738,800	-	9,163,600	1,304,700

-Continued-

Table 40. (page 3 of 3)

Year		Chinook	Sockeye	Coho	Pink	Chum
1990	Catch	16,500	2,386,600	307,200	2,865,900	1,237,800
	Escapement	0	95,300	(75.0-100.0)[b]	1,598,400	354,700
	Total	16,500	2,481,900	367.2-397.2[b]	4,464,300	1,592,500
1991	Catch	8,000	2,322,400	317,000	10,615,800	1,587,400
	Escapement	0	124,900	-	2,946,800	587,600
	Total	8,000	2,447,300	-	13,562,600	2,175,000
1992	Catch	8,000	3,445,900	418,200	9,770,400	1,316,700
	Escapement	0	97,600	-	2,834,400	335,500
	Total	8,000	3,543,500	-	12,604,800	1,652,200

[a] Numbers of fish in thousands.
[b] Escapements are indexed totals. Figures in parenthesis are very rough extrapolated estimates.

Table 41. South Peninsula pink salmon runs, 1962-1992.

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagins	Total 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	3,642,200			
1964	Catch	1,514,600	1,190,700	2,705,300	18,000	17,000	35,000
	Escapement	902,400	534,000	1,436,700			
	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	1,366,100	250,300	1,616,400	83,000	24,000	107,000
	Escapement	1,007,900	291,000	1,298,900			
	Total	2,374,000	541,300	2,915,300			
1971	Catch	1,212,100	214,000	1,426,100	15,000	9,000	24,000
	Escapement	488,000	214,700	702,700			
	Total	1,700,100	428,700	2,128,800			

-Continued-

Table 41. (page 2 of 3)

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagins	Total June Migrants
1972	Catch	51,200	8,800	60,000	12,000	6,000	18,000
	Escapement	81,800	29,600	111,400			
	Total	133,000	38,400	171,400			
1973	Catch	35,100	1,200	36,300	12,000	10,000	22,000
	Escapement	85,700	25,100	110,800			
	Total	120,800	26,300	147,100			
1974	Catch	95,500	4,700	100,200	0	0	0
	Escapement	238,600	45,800	284,400			
	Total	334,100	50,500	384,600			
1975	Catch	30,400	26,300	56,700	3,000	2,000	5,000
	Escapement	357,800	194,300	552,100			
	Total	388,200	220,600	608,800			
1976	Catch	2,035,900	307,100	2,343,000	18,000	6,000	24,000
	Escapement	1,084,000	372,400	1,456,400			
	Total	3,119,900	679,500	3,799,400			
1977	Catch	1,163,400	280,200	1,443,600	3,000	2,000	5,000
	Escapement	2,168,500	509,300	2,677,800			
	Total	3,331,900	789,500	4,121,400			
1978	Catch	4,067,300	1,332,700	5,400,000	47,000	43,000	90,000
	Escapement	1,966,300	892,400	2,858,700			
	Total	6,033,600	2,225,100	8,258,700			
1979	Catch	4,845,000	1,562,600	6,407,600	57,000	106,000	163,000
	Escapement	2,125,100	504,400	2,629,500			
	Total	6,970,100	2,067,000	9,037,100			
1980	Catch	2,439,600	3,815,600	6,255,200	1,141,000	466,000	1,607,000
	Escapement	1,410,400	1,231,200	2,641,600			
	Total	3,850,000	5,046,800	8,896,800			
1981	Catch	4,196,400	378,500	4,574,900	332,000	129,000	461,000
	Escapement	1,875,000	431,800	2,306,800			
	Total	6,071,400	810,300	6,881,700			

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Table 41. (page 3 of 3)

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagins	Total June Migrants
1982	Catch	4,104,900	906,100	5,011,000	1,037,000	687,000	1,724,000
	Escapement	1,533,200	759,800	2,293,000			
	Total	5,638,100	1,665,900	7,304,000			
1983	Catch	2,245,800	526,800	2,772,600	40,000	15,000	55,000
	Escapement	639,200	212,000	851,200			
	Total	2,885,000	738,800	3,623,800			
1984	Catch	6,533,100	4,136,300	10,669,400	490,000	449,000	939,000
	Escapement	2,526,700	1,824,900	3,811,600			
	Total	9,059,800	5,421,200	14,481,000			
1985	Catch	3,324,800	999,900	4,324,700	72,000	37,000	109,000
	Escapement	1,229,300	384,500	1,613,800			
	Total	4,554,100	1,384,400	5,938,500			
1986	Catch	3,066,900	673,500	3,740,400	150,000	141,000	291,000
	Escapement	1,185,500	531,200	1,716,700			
	Total	4,252,400	1,204,700	5,457,100			
1987	Catch	1,143,400	48,100	1,191,500	11,000	6,000	17,000
	Escapement	1,304,400	236,100	1,540,500			
	Total	2,447,800	284,200	2,732,000			
1988	Catch	4,662,300	2,164,100	6,826,400	87,000	132,000	219,000
	Escapement	1,636,500	1,203,100	2,839,600			
	Total	6,298,800	3,367,200	9,666,000			
1989	Catch	5,582,300	1,511,300	7,093,600	154,000	45,000	199,000
	Escapement	1,179,200	691,600	1,870,800			
	Total	6,761,500	2,202,900	8,964,400			
1990	Catch	1,738,600	612,300	2,350,900	444,000	71,000	515,000
	Escapement	1,018,200	580,200	1,598,400			
	Total	2,756,800	1,192,500	3,949,300			
1991	Catch	7,549,900	2,446,800	9,996,700	501,000	118,000	619,000
	Escapement	2,268,400	678,400	2,946,800			
	Total	9,818,300	3,125,200	12,943,500			
1992	Catch	5,002,900	4,266,300	9,269,200	501,000	141,000	642,000
	Escapement	1,781,000	1,053,400	2,834,400			
	Total	6,783,900	5,319,700	12,103,600			

Table 42. South Peninsula chum salmon runs, 1962-1992.

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagins	Total 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	228,000			
	Total	425,000	175,400	600,400			
1966	Catch	221,400	36,000	257,400	220,000	17,000	237,000
	Escapement	354,800	67,200	422,000			
	Total	576,800	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	482,400	87,200	569,600	363,000	49,000	412,000
	Escapement	171,700	108,800	280,500			
	Total	664,100	196,000	850,100			
1971	Catch	637,100	117,500	754,600	497,000	115,000	612,000
	Escapement	199,100	144,100	343,200			
	Total	836,200	261,600	1,097,800			

-Continued-

Table 42. (page 2 of 3)

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagins	Total June Migrants
1972	Catch	150,600	55,900	206,500	413,000	108,000	521,000
	Escapement	145,000	109,500	254,500			
	Total	295,600	165,400	461,000			
1973	Catch	67,100	12,100	79,200	178,000	36,000	214,000
	Escapement	130,900	81,600	212,500			
	Total	198,000	93,700	291,700			
1974	Catch	56,600	15,300	71,900	0	0	0
	Escapement	169,800	87,500	257,300			
	Total	226,400	102,800	329,200			
1975	Catch	29,900	4,000	33,900	64,000	35,000	99,000
	Escapement	160,200	33,100	193,300			
	Total	190,100	37,100	227,200			
1976	Catch	109,400	25,100	134,500	326,000	72,000	298,000
	Escapement	225,300	101,900	327,200			
	Total	334,700	127,000	461,700			
1977	Catch	109,400	18,800	128,200	93,000	22,000	115,000
	Escapement	500,900	274,000	774,900			
	Total	610,300	292,800	903,100			
1978	Catch	341,600	139,800	481,400	47,000	18,000	65,000
	Escapement	386,200	214,300	600,500			
	Total	727,800	254,100	1,081,900			
1979	Catch	280,400	97,600	378,000	64,000	41,000	105,000
	Escapement	302,700	108,400	411,100			
	Total	583,100	206,000	789,100			
1980	Catch	654,200	169,100	823,300	457,000	71,000	528,000
	Escapement	241,600	120,800	362,400			
	Total	895,800	289,900	1,185,700			
1981	Catch	966,100	229,200	1,195,300	521,000	54,000	575,000
	Escapement	234,500	146,800	381,300			
	Total	1,200,600	376,000	1,576,600			

-Continued-

Table 42. (page 3 of 3)

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagins	Total June Migrants
1982	Catch	922,900	253,800	1,176,700	935,000	160,000	1,095,000
	Escapement	203,000	183,900	386,900			
	Total	1,125,900	437,700	1,536,600			
1983	Catch	600,300	322,600	922,900	615,000	169,000	784,000
	Escapement	328,900	117,600	446,500			
	Total	929,200	440,200	1,369,400			
1984	Catch	832,900	486,500	1,319,400	228,000	109,000	337,000
	Escapement	446,000	253,700	699,700			
	Total	1,278,900	740,200	2,019,100			
1985	Catch	539,200	375,700	914,900	345,000	133,000	478,000
	Escapement	284,700	218,800	503,500			
	Total	823,900	594,500	1,418,400			
1986	Catch	981,200	417,400	1,398,600	252,000	99,000	351,000
	Escapement	239,600	305,000	544,600			
	Total	1,220,800	722,400	1,943,200			
1987	Catch	753,200	180,000	933,200	406,000	37,000	443,000
	Escapement	329,200	291,500	620,700			
	Total	1,082,400	471,500	1,553,900			
1988	Catch	826,200	552,300	1,378,500	465,000	62,000	527,000
	Escapement	269,100	227,300	496,400			
	Total	1,095,300	779,600	1,874,900			
1989	Catch	420,900	117,300	538,200	408,000	48,000	456,000
	Escapement	189,200	121,300	310,500			
	Total	610,100	238,600	848,700			
1990	Catch	563,700	155,400	719,100	455,000	64,000	519,000
	Escapement	210,900	143,800	354,700			
	Total	774,600	299,200	1,073,800			
1991	Catch	578,000	238,000	816,000	669,000	103,000	772,000
	Escapement	345,400	242,200	587,600			
	Total	923,400	480,200	1,403,600			
1992	Catch	599,000	291,600	890,600	324,000	102,000	426,000
	Escapement	194,100	141,400	335,500			
	Total	793,100	433,000	1,226,100			

Table 43. Salmon escapement survey counts in the South Peninsula, 1992.

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
SOUTHEASTERN DISTRICT									
281-35.07	Bluff Point	09-Aug	Excellent	0	0	25	0	McCullough	25 pinks at mouth.
		15-Aug	Good	0	0	40	0	McCullough	150 pinks at mouth.
		02-Sep	Good	0	0	200	300	McCullough	50 pinks at mouth.
281-35.06	Boulder Bay	09-Aug	Excellent	0	0	100	250	McCullough	1,100 pinks at mouth.
		15-Aug	Good	0	0	250	0	McCullough	1,500 pinks at mouth.
		02-Sep	Good	0	0	250	300	McCullough	150 pinks at mouth, plus 500 pinks in lagoon and 300 salmon carcasses.
281-35.05	Fox Bay	09-Aug	Excellent	0	0	0	400	McCullough	350 pinks at mouth.
		15-Aug	Good	0	0	350	300	McCullough	500 pinks at mouth.
		04-Sep	Good	0	0	500	300	McCullough	50 pinks at mouth, plus 200 pinks and 100 chums in the lagoon. Additional 300 pink carcasses.
281-35.04	Fox Bay	09-Aug	Excellent	0	0	0	0	McCullough	100 pinks at mouth.
		15-Aug	Good	0	0	200	100	McCullough	600 pinks at mouth, and 400 chums in the lagoon.
		02-Sep	Good	0	0	700	50	McCullough	100 pink carcasses.
281-35.02	Fox Bay	09-Aug	Excellent	0	0	200	0	McCullough	250 chums and 9,000 pinks at the mouth.
		15-Aug	Good	0	0	500	250	McCullough	6,000 pinks at mouth.
		02-Sep	Good	0	0	11,700	0	McCullough	1,500 pinks at mouth plus 800 pinks in the lagoon, additional 300 pink carcasses. Very good escapement.
Not numbered Unnamed Stream west of 281-35.02 Currently identified as stream 281.35.01		09-Aug	Good	0	0	1,000	0	Shaul	Mouth and beach choppy.
		02-Sep	Good	0	0	1,600	0	McCullough	500 pinks at mouth.
281-34.08	Island Bay	09-Aug	Excellent	0	0	0	0	McCullough	100 pinks at mouth.
		15-Aug	Good	0	0	0	0	McCullough	1,750 pinks at mouth.
		02-Sep	Good	0	0	2,500	0	McCullough	Good escapement.
Not numbered. Unnamed Stream south of 281-34.08		15-Aug	Good	0	0	0	0	McCullough	750 pinks at mouth.
		02-Sep	Good	0	0	0	0	McCullough	75 pinks at mouth.
281-34.07	Island Bay	09-Aug	Excellent	0	0	0	0	McCullough	500 pinks at mouth.
		15-Aug	Good	0	0	200	0	McCullough	1,250 pinks at mouth.
		02-Sep	Good	0	0	750	0	McCullough	400 pinks at mouth.
281-34.06	Island Bay	09-Aug	Excellent	0	0	100	0	McCullough	5,250 pinks and 250 chums at mouth. Split fish at mouth with 281-34.05.
		13-Aug	Good	0	0	400	0	Shaul	3,000 pinks at mouth, split fish at mouth with stream 281-34.05.

-Continued-

Table 43. (page 2 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species: Sockeye	Coho	Pink	Chum	Observer	Remarks [a,b]
		15-Aug	Good	0	0	125	0	McCullough	
		02-Sep	Good	0	0	8,500	0	McCullough	1,750 pinks at mouth. Split fish at mouth
281-34.05	Island Bay	02-Aug	Good	0	0	0	0	Shaul	Surveyed lagoon and beach, no fish seen.
		09-Aug	Excellent	0	0	100	0	McCullough	5,250 pinks and 250 chums at mouth. Split fish at mouth with 281-34.06.
		13-Aug	Good	0	0	1,100	0	Shaul	3,000 pinks at mouth, split fish at mouth 281-34.06.
		15-Aug	Good	0	0	800	0	McCullough	11,500 pinks and 500 chums at mouth.
		02-Sep	Good	0	0	7,100	0	McCullough	1,750 pinks at mouth. Split fish at mouth with 281-34.06.
281-34.04	Unnamed	15-Aug	Good	0	0	0	50	McCullough	250 pinks at mouth.
		02-Sep	Good	0	0	1,200	0	McCullough	100 pinks at mouth.
281-34.03	Stonehouse	02-Aug	Good	0	0	200	0	Shaul	High tide.
		09-Aug	Excellent	0	0	500	300	McCullough	6,000 pinks at mouth.
		13-Aug	Good	0	0	400	0	Shaul	7,000 pinks at mouth.
		15-Aug	Good	0	0	850	300	McCullough	8,000 pinks at mouth.
		02-Sep	Good	0	0	25,000	0	McCullough	7,000 pinks at mouth. Very good escapement.
281-34.02	Osterback	02-Aug	Good	0	0	100	0	Shaul	2,000 pinks at mouth. Goose survey.
		09-Aug	Excellent	0	0	200	0	McCullough	2,200 pinks at mouth.
		13-Aug	Good	0	0	1,800	0	Shaul	10,000 pinks at mouth.
		15-Aug	Good	0	0	1,500	0	McCullough	1,500 pinks at mouth.
		02-Sep	Good	0	0	8,200	0	McCullough	
281-34.01	Granville-Portage Inlet	29-Jul	Good	0	0	0	700	McCullough	300 chums at mouth. Goose survey.
		09-Aug	Excellent	0	0	400	300	McCullough	1,100 pinks at mouth.
		15-Aug	Good	0	0	400	800	McCullough	300 pinks at mouth.
		02-Sep	Good	0	0	12,000	2,000	McCullough	200 pinks at mouth, plus 250 pinks and 250 chums in the lagoon. Very good escapement.
281-33.06	Stepovak Flats	15-Jul	Good	0	0	0	0	McCullough	
		02-Sep	Good	0	0	300	500	McCullough	
281-33.05	Stepovak River	09-Aug	Poor	0	0	0	0	McCullough	Muddy water.
		15-Aug	Poor	0	0	0	0	McCullough	Muddy H2O, but many chum and pink jumpers.
		02-Sep	Poor	0	0	700	6,200	McCullough	Main river and most normally clear tributaries were muddy. 1500 chums in tributary by airstrip.
281-33.04	Big River	15-Jul	Good	0	0	0	0	McCullough	150 chums at mouth; few jumpers in bay.
		09-Aug	Excellent	0	0	0	1,200	McCullough	Surveyed clear tributaries only.
		15-Aug	Good	0	0	0	2,600	McCullough	Surveyed clear tributaries only.
		02-Sep	Poor	0	0	5,000	2,100	McCullough	Surveyed clear tributaries only. Main stem muddy, could see fish moving upstream.
281-33.03	Louie's Corner	15-Jul	Fair	0	0	0	0	McCullough	Surveyed mouth only. 150 chums at mouth; A few jumpers in the bay.

-Continued-

Table 43. (page 3 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
		09-Aug	Poor	0	0	0	0	McCullough	Surveyed the clear tributaries only.
		15-Aug	Poor	0	0	0	0	McCullough	Surveyed the clear tributaries only.
		02-Sep	Good	0	0	8,000	750	McCullough	Surveyed Louie's Corner only.
281-33.02	Ramsey Bay	09-Aug	Poor	0	0	0	0	McCullough	Muddy water.
		15-Aug	Poor	0	0	0	0	McCullough	Muddy water.
		05-Sep	Poor	0	0	0	0	McCullough	Muddy water.
281-33.01	Ramsey Bay	09-Aug	Poor	0	0	0	15,000	McCullough	Muddy water. Lots of pink and chum jumpers, and several salmon sharks.
		15-Aug	Poor	0	0	0	0	McCullough	Muddy water. Lots of pink and chum jumpers, and several salmon sharks.
		02-Sep	Poor	0	0	0	0	McCullough	Muddy water. Clear tributaries still empty. Jumpers in the bay.
281-32.07	Grub Gulch	15-Jul	Good	0	0	0	0	McCullough	Surveyed mouth only.
		29-Jul	Good	0	0	0	3,500	McCullough	1,000 pinks at mouth. Goose survey.
		09-Aug	Excellent	0	0	1,400	3,400	McCullough	6,500 pinks at mouth.
		13-Aug	Good	0	0	9,500	6,000	McCullough	5,000 chums in the N.W. corner of bay.
		15-Aug	Good	0	0	11,000	1,500	McCullough	2,000 pinks at mouth.
		02-Sep	Good	0	0	34,500	1,300	McCullough	Very good escapement. 250 pink carcasses.
281-32.06	Clark Bay Stream	15-Jul	Good	0	0	0	0	McCullough	Surveyed mouth only. Stream dry.
281-32.05	Clark Bay	15-Jul	Good	0	0	0	0	McCullough	Surveyed mouth only.
		29-Jul	Good	0	0	0	0	McCullough	Goose survey.
		09-Aug	Excellent	0	0	350	0	McCullough	400 pinks at mouth.
		15-Aug	Good	0	0	1,500	1,300	McCullough	1,700 pink and chum mixed at mouth.
		02-Sep	Good	0	0	11,000	2,350	McCullough	Very good escapement.
281-32.04	Little Norway	15-Jul	Good	0	0	0	0	McCullough	Surveyed mouth only.
		29-Jul	Good	0	0	0	400	McCullough	500 chums at mouth. Goose survey.
		02-Aug	Good	0	0	0	100	McCullough	Goose survey.
		09-Aug	Excellent	0	0	300	350	McCullough	3,300 pinks at mouth. Low H2O.
		13-Aug	Poor	0	0	1,800	0	Shaul	Bay choppy; poor light.
		15-Aug	Good	0	0	3,000	500	McCullough	1,500 pinks at mouth. Schools of chums in deep water. Low H2O.
		02-Sep	Good	0	0	14,000	1,100	McCullough	Very good escapement.
281-31.03	Orzinski Lake and Stream [c]	15-Jul	Good	0	0	0	0	McCullough	Salmon beginning to color. Most salmon are at S.W. portion of the lake.
		02-Aug	Good	0	0	100	0	Shaul	1,000 pinks at mouth. Surveyed river only. Goose survey.
		09-Aug	Excellent	0	0	200	0	McCullough	4,000 pinks at mouth. Additional 250 sockeye to weir counts.
		13-Aug	Good	0	0	4,200	0	Shaul	Surveyed outlet stream only. 10,000 dark pinks along beach.
		15-Aug	Good	0	0	3,500	0	McCullough	2,000 pinks at mouth; 5,000 pinks along beach.

-Continued-

Table 43. (page 4 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
		02-Sep	Good	0	0	17,000	0	McCullough	Surveyed lake outlet only. Good pink and sockeye escapement.
281-20.04	Windbound Bay	15-Jul	Good	0	0	0	0	McCullough	150 pinks at mouth, no salmon in stream.
		29-Jul	Good	0	0	0	75	McCullough	1,500 pinks at mouth. Goose survey.
		09-Aug	Excellent	0	0	150	0	McCullough	2,800 pinks at mouth.
		15-Aug	Good	0	0	5,200	0	McCullough	200 pinks at mouth.
		02-Sep	Good	0	0	1,500	0	McCullough	1,500 pink carcasses.
281-20.02	Chichagof	15-Jul	Excellent	0	0	0	1,100	McCullough	
		29-Jul	Good	0	0	0	600	McCullough	1,500 pinks at mouth. Goose survey.
		09-Aug	Excellent	0	0	3,000	4,500	McCullough	8,000 pinks and 1,500 chums at mouth. Plus 2,500 chums and 3,000 pinks spawning in lagoon, and 2,000 chums spawning in the upper stream.
		15-Aug	Good	0	0	6,000	2,500	McCullough	1,500 chums at mouth; 500 chum carcasses in lagoon.
		02-Sep	Good	0	0	11,800	0	McCullough	Hundreds of pink and chum carcasses.
281-20.01	Chichagof Bay Stream	29-Jul	Good	0	0	200	0	McCullough	Goose survey.
		09-Aug	Excellent	0	0	2,750	350	McCullough	900 pinks at mouth.Plus pink salmon in lower stream.
		15-Aug	Good	0	0	3,500	250	McCullough	250 pinks at mouth. Salmon moving upstream.
		02-Sep	Good	0	0	5,000	200	McCullough	Could hold more salmon in upper stream.
281-10.04	West Cove	29-Jul	Good	0	0	20	0	McCullough	Goose survey.
		04-Aug	Poor	0	0	0	0	McCullough	Poor conditions; turbulent.
		09-Aug	Excellent	0	0	50	0	McCullough	250 pinks at mouth.
		15-Aug	Good	0	0	150	0	McCullough	300 pinks at mouth.
		02-Sep	Good	0	0	600	0	McCullough	Only fair escapement; could hold more.
281-10.03	Suzy's Creek	29-Jul	Good	0	0	63,000	0	McCullough	4,000 pinks at mouth. Goose survey.
		02-Aug	Good	0	0	48,000	0	Shaul	Goose survey.
		04-Aug	Poor	0	0	0	0	McCullough	800 pinks at mouth. Surveyed mouth only.
		09-Aug	Excellent	0	0	61,000	0	McCullough	2,500 pinks at mouth.
		15-Aug	Fair	0	0	45,000	0	McCullough	1,000 pinks at mouth.
		02-Sep	Good	0	0	16,000	0	McCullough	Thousands of carcasses, mostly in lower portion of stream.
281-10.02	Dorenoi Bay (minor stream)	29-Jul	Good	0	0	0	0	McCullough	Goose survey.
		04-Aug	Good	0	0	125	0	McCullough	200 pinks at mouth.
		09-Aug	Excellent	0	0	0	0	McCullough	300 pinks at mouth, stream almost dry.
		15-Aug	Good	0	0	100	150	McCullough	3,500 pinks at mouth.
		02-Sep	Good	0	0	5,400	100	McCullough	
281-10.01	Dorenoi Bay Stream	29-Jul	Good	0	0	3,700	0	McCullough	500 pinks at mouth .Goose survey.
		04-Aug	Good	0	0	5,750	0	McCullough	200 pinks at mouth.
		09-Aug	Excellent	0	0	8,800	0	McCullough	600 pinks at mouth.

-Continued-

Table 43. (page 5 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
		15-Aug	Good	0	0	8,000	0	McCullough	2,000 pinks at mouth.
		02-Sep	Good	0	0	18,500	0	McCullough	
283-90.04	San Diego Bay	09-Aug	Excellent	0	0	3,500	250	McCullough	150 pinks at mouth. Chums in stream and pinks in lagoon.
		15-Aug	Good	0	0	3,750	250	McCullough	300 pinks at mouth. Plus 20 chum carcasses.
		02-Sep	Good	0	0	800	1,200	McCullough	100 chums in lagoon.
281-90.04	San Diego Lagoon	29-Jul	Good	0	0	0	0	McCullough	300 chums at mouth. Fish in lagoon. Goose survey.
		04-Aug	Good	0	0	0	50	McCullough	100 pinks at mouth.
281-90.02	Rough Beach Creek	29-Jul	Good	0	0	8,700	0	McCullough	8,000 pinks at mouth. Goose survey.
		02-Aug	Good	0	0	14,000	0	Shaul	600 on spawning grounds.
		09-Aug	Excellent	0	0	10,000	0	McCullough	11,500 pinks at mouth. Low H2O, mouth of stream blocked.
		02-Sep	Good	0	0	18,400	0	McCullough	1,000 pink carcasses. Stream mouth open again, very good escapement.
281-90.01	Swedania Point Creek	29-Jul	Good	0	0	500	0	McCullough	350 pinks at mouth. Goose survey.
		02-Aug	Good	0	0	3,700	0	Shaul	Goose survey.
		09-Aug	Excellent	0	0	5,400	0	McCullough	2,500 pinks at mouth.
		13-Aug	Good	0	0	10,000	0	Shaul	Most salmon in lower section.
		02-Sep	Good	0	0	29,000	0	McCullough	Very good escapement; fish are upstream.
281-80.16	Ballast Island	02-Sep	Good	0	0	250	0	McCullough	
281-80.15	Coleman Creek	15-Jul	Good	0	0	0	0	McCullough	
		29-Jul	Good	0	0	0	0	McCullough	2,100 pinks at mouth. Goose survey.
		04-Aug	Good	0	0	0	0	McCullough	450 pinks at mouth.
		15-Aug	Good	0	0	300	100	McCullough	1,200 pinks at mouth.
		02-Sep	Good	0	0	8,000	350	McCullough	3,500 pinks at mouth. Good pink escapement.
281-80.14	Johnson Creek	15-Jul	Good	0	0	0	0	McCullough	
		04-Aug	Good	0	0	400	0	McCullough	2,300 pinks at mouth.
		15-Aug	Good	0	0	0	2,750	McCullough	3,000 chums at mouth. 2,100 of chums in Bishop Creek.
		02-Sep	Good	0	0	8,500	300	McCullough	3,000 pinks at mouth. Good pink escapement.
281-80.12	Foster's Camp (Bassett)	04-Aug	Good	0	0	200	0	McCullough	200 pinks at mouth.
		15-Aug	Good	0	0	600	0	McCullough	500 pinks at mouth.
		02-Sep	Good	0	0	900	0	McCullough	
281-80.11	Monolith Point Creek	04-Aug	Good	0	0	200	0	McCullough	1,200 pinks at mouth.
		09-Aug	Good	0	0	300	0	Shaul	Lady Mary deck loaded, fishing at mouth.
		15-Aug	Good	0	0	100	0	McCullough	300 chums at mouth.
		02-Sep	Good	0	0	1,000	2,600	McCullough	
281-80.09	Foster Creek	29-Jul	Good	0	0	3,000	300	McCullough	1,200 pinks at mouth. Goose survey.

-Continued-

Table 43. (page 6 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
		02-Aug	Good	0	0	500	100	Shaul	2,000 pinks at mouth. Goose survey.
		04-Aug	Good	0	0	1,300	100	McCullough	2,000 pinks at mouth.
		09-Aug	Excellent	0	0	0	0	McCullough	Surveyed mouth only.
		13-Aug	Excellent	0	0	2,900	400	Shaul	10,000 pinks at mouth.
		15-Aug	Good	0	0	3,300	500	McCullough	400 pinks at mouth.
		02-Sep	Good	0	0	17,100	0	McCullough	1,500 pinks at mouth. Good escapement in the mid and lower portions of the stream.
281-80.08	Lefthand Bay	29-Jul	Good	0	0	0	400	McCullough	400 chums at mouth. Goose survey.
		04-Aug	Good	0	0	500	1,100	McCullough	2,500 pinks at mouth.
		09-Aug	Excellent	0	0	0	0	McCullough	Surveyed mouth only. 3,600 pinks at mouth and 4,000 pinks along south shore of bay.
		13-Aug	Excellent	0	0	2,200	500	Shaul	7,000 pinks and 5,000 chums at mouth. Drop-off is blocking fish to upper half of spawning grounds.
		15-Aug	Good	0	0	0	0	McCullough	Surveyed mouth only. 3,000 pinks at mouth.
		02-Sep	Fair	0	0	8,700	1,200	McCullough	Good escapement in the lower portion of the river.
281-80.06	Cape Aliaksin	04-Aug	Good	0	0	350	0	McCullough	4,500 pinks at mouth.
		15-Aug	Good	0	0	5,600	0	McCullough	4,000 pinks at mouth.
		02-Sep	Good	0	0	20,400	0	McCullough	Excellent escapement.
281-80.05	Cape Aliaksin	04-Aug	Good	0	0	20	0	McCullough	2,500 pinks at mouth.
		15-Aug	Good	0	0	2,200	0	McCullough	2,000 pinks at mouth.
		02-Sep	Good	0	0	8,100	0	McCullough	
281-80.04	Cape Aliaksin	04-Aug	Good	0	0	800	0	McCullough	8,000 pinks at mouth.
		15-Aug	Good	0	0	4,200	0	McCullough	3,000 pinks at mouth.
		02-Sep	Good	0	0	14,700	0	McCullough	350 pinks at mouth.
283-70.06	Kagayan Flats	Not Surveyed							
281-70.05	Beaver River	29-Jul	Poor	0	0	0	0	McCullough	Surveyed mouth only. Poor conditions; muddy water.
		09-Aug	Excellent	0	0	1,000	3,000	Shaul	Surveyed left fork to mouth; pinks in fork and chums below fork. 1,000 chums at mouth. Saratoga survey.
		02-Sep	Fair	0	0	6,400	0	McCullough	Muddy H2O in main stream. Fair escapement.
283-70.04	Smiley Creek	09-Aug	Excellent	0	0	0	0	Shaul	Saratoga survey.
		13-Aug	Good	0	0	700	0	Shaul	
		02-Sep	Good	0	0	3,600	0	McCullough	Plus 250 pink carcasses. Fair escapement.
282-13.01	Unga Spit	Not Surveyed							
282-13.02	Dry Lagoon	29-Jul	Good	0	0	60,000	2,000	McCullough	Species ID difficult; some chums, mostly pinks. 1,500 chums at mouth. Goose survey.
		02-Aug	Poor	0	0	52,000	0	Shaul	Poor light and high tide; poor count.

-Continued-

Table 43. (page 7 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
		09-Aug	Excellent	0	0	25,000	4,500	McCullough	5,500 pinks at mouth. Major die off (15,000 carcasses) at head of lagoon and lower stream; possibly caused by low O2 level in stream from excess fish. Dead fish unspawned.
		15-Aug	Good	0	0	17,000	5,500	McCullough	Some fish at headwaters. Additional 10,000 unspawned pink carcasses.
282-13.03	Bay Point	29-Jul	Good	0	0	25,000	3,500	McCullough	250 chums at mouth. Species ID difficult. Goose survey.
		02-Aug	Poor	0	0	35,000	0	Shaul	Loaded in the lower end. Count may be low due to low light and high tide.
		09-Aug	Excellent	0	0	22,300	7,500	McCullough	800 pinks at mouth.
		15-Aug	Good	0	0	12,000	7,000	McCullough	Salmon still moving upstream.
282-13.04	Pinnacle Point	09-Aug	Excellent	0	0	3,800	0	McCullough	1,200 pinks at mouth. Low water level; mouth just barely open.
		15-Aug	Good	0	0	8,200	0	McCullough	
282-13.05	Unnamed	09-Aug	Excellent	0	0	0	0	McCullough	200 pinks at mouth. Low H2O level; mouth blocked.
		15-Aug	Poor	0	0	0	0	McCullough	Poor conditions; mouth blocked.
282-13.06	Unnamed	09-Aug	Good	0	0	0	0	McCullough	Mouth blocked.
282-10.02	Apollo Creek	09-Aug	Excellent	0	0	200	0	McCullough	150 pinks at mouth.
	Minor	15-Aug	Good	0	0	2,300	0	McCullough	
		20-Aug	Poor	0	0	610	0	McCullough	Helicopter survey. Poor conditions on beach due to breakers.
		02-Sep	Good	0	0	3,700	0	McCullough	Good escapement; could hold a few more.
282-10.03	Apollo Creek	09-Aug	Excellent	0	0	2,800	0	McCullough	100 pinks at mouth.
		15-Aug	Good	0	0	4,200	0	McCullough	
		20-Aug	Poor	0	0	4,300	0	McCullough	Helicopter survey. Poor conditions on beach due to breakers.
		02-Sep	Good	0	0	9,200	0	McCullough	Good escapement.
282-10.04	Acheredin Lake	29-Jul	Good	800	0	0	0	McCullough	Fish schooled and starting to color. Goose survey.
		09-Aug	Excellent	900	0	0	0	McCullough	Fish schooled and starting to color.
		15-Aug	Good	0	0	0	0	McCullough	Surveyed mouth only; 25 sockeye at mouth. H2O down two feet.
		02-Sep	Good	800	0	0	0	McCullough	Fish colored; poor escapement.
282-10.06	Unnamed	Not surveyed							
282-10.10	Unnamed	20-Aug	Poor	0	0	0	0	McCullough	Surveyed mouth only; 20 pinks at mouth. Poor visibility due to breakers.

-Continued-

Table 43. (page 8 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
282-10.11	Apollo Gold Mine (Delarof Harbor)	09-Aug	Excellent	0	0	1,400	0	McCullough	2,200 pinks at mouth. Salmon in lagoon likely stolen during last opening, several dead pink salmon at the bottom of the lagoon.
		13-Aug	Good	0	0	2,900	0	McCullough	2,000 pinks at mouth.
		15-Aug	Good	0	0	4,200	0	McCullough	600 pinks at mouth.
		20-Aug	Poor	0	0	1,600	0	McCullough	300 pinks at mouth. Helicopter survey.
		02-Sep	Good	0	0	13,000	0	McCullough	300 pinks at mouth.
282-10.12	Unga Cape Stream	15-Aug	Good	0	0	1,200	0	McCullough	
		20-Aug	Poor	0	0	20	0	McCullough	10 pinks at mouth. Helicopter survey.
282-10.13	Baralof Bay	15-Aug	Good	900	0	200	200	McCullough	900 sockeye in lake.
282-10.14	Squaw Harbor Minor	09-Aug	Excellent	0	0	50	0	McCullough	25 pinks at mouth.
		15-Aug	Good	0	0	350	0	McCullough	3,500 pinks at mouth.
		20-Aug	Good	0	0	1,800	0	McCullough	20 pinks at mouth. Helicopter survey.
		02-Sep	Good	0	0	9,700	0	McCullough	Good escapement; most schooled in lower portion of the river.
282-10.15	Squaw Harbor Major	02-Aug	Good	0	0	5,000	0	Shaul	Goose survey.
		09-Aug	Exellent	0	0	7,500	0	Shaul	5,000 pinks at mouth.
		13-Aug	Good	0	0	11,200	0	Shaul	11,000 pinks at mouth.
		15-Aug	Good	0	0	7,400	0	McCullough	1,500 pinks at mouth.
		20-Aug	Good	0	0	18,200	0	McCullough	600 pinks at mouth. Helicopter survey.
		02-Sep	Good	0	0	34,000	0	McCullough	Excellent escapement; most are schooled in the lower portion of the stream.
282-10.16	Ben Green Bight Farm	02-Aug	Good	0	0	1,500	0	Shaul	Goose survey.
		09-Aug	Exellent	0	0	2,200	0	McCullough	5,000 pinks at mouth.
		13-Aug	Good	0	0	1,500	0	Shaul	4,000 pinks at mouth.
		15-Aug	Good	0	0	1,200	1,000	McCullough	
		20-Aug	Good	0	0	2,000	400	McCullough	1,500 pinks at mouth; plus 200 chum carcasses. Helicopter survey.
		02-Sep	Good	0	0	9,100	0	McCullough	Good escapement.
282-10.17	NE Unga I.	Not surveyed							
282-12.10	No Name	15-Jul	Good	0	0	0	6	McCullough	25 pinks and 25 chums at mouth.
		09-Aug	Excellent	0	0	0	0	McCullough	Survey of bay only. 24,000 pinks at mouth.
		20-Aug	Good	0	0	0	0	McCullough	No fish observed. Helicopter survey.
282-12.09	South Quartz Point	15-Jul	Good	0	0	0	0	McCullough	
		20-Aug	Good	0	0	200	0	McCullough	Helicopter survey.
282-12.08	South Quartz Point	15-Jul	Good	0	0	0	0	McCullough	
		20-Aug	Good	0	0	200	0	McCullough	Helicopter survey.

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Table 43. (page 9 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
282-12.07	Zachary Bay	15-Jul	Good	0	0	0	0	McCullough	
		20-Aug	Good	0	0	150	0	McCullough	Helicopter survey. in bay, lots of carcasses,especially around .04, .05, .06, and .07.
282-12.06	Zachary Bay	15-Jul	Good	0	0	0	0	McCullough	
		20-Aug	Good	0	0	20	0	McCullough	50 pinks at mouth. Helicopter survey.
282-12.05	Zachary Bay	15-Jul	Good	0	0	0	1,150	McCullough	900 chums at mouth.
		20-Aug	Good	0	0	2,200	0	McCullough	150 pinks at mouth. Plus 300 pink carcasses. Helicopter survey.
282-12.04	Zachary Bay	15-Jul	Good	0	0	0	0	McCullough	
		20-Aug	Good	0	0	600	0	McCullough	25 pinks at mouth. Plus 500 pink carcasses. Helicopter survey.
282-12.03	Zachary Bay	15-Jul	Good	0	0	0	0	McCullough	
		20-Aug	Good	0	0	150	0	McCullough	200 pinks at mouth. Plus 100 pink carcasses. Helicopter survey.
282-12.02	Zachary Bay	15-Jul	Good	0	0	0	0	McCullough	
		20-Aug	Good	0	0	500	0	McCullough	300 pinks at mouth. Helicopter survey.
282-12.01	Zachary Bay Coal Harbor West	15-Aug	Good	0	0	0	0	McCullough	Surveyed head of bay only. 5,500 pinks at mouth.
		20-Aug	Good	0	0	100	0	McCullough	100 pinks at mouth; Helicopter survey.
282-10.18	Humbolt Creek	14-Sep	Excellent	0	2	405	0	Campbell	Surveyed from road to lagoon. 200 pink carcasses in stream. Additional 50 coho in reservoir above road. Foot survey.
282-11.01	Salmon Ranch	04-Aug	Fair	0	0	25	0	McCullough	200 pinks at mouth.
		15-Aug	Good	0	0	300	0	McCullough	200 pinks at mouth.
282-11.03	Fox Hole (Little Harbor)	04-Aug	Poor	0	0	0	0	McCullough	Turbulent conditions
		09-Aug	Excellent	0	0	250	0	McCullough	1,500 pinks at mouth.
		15-Aug	Good	0	0	500	0	McCullough	400 pinks at mouth and 600 pinks in lagoon.
282-11.06	Korovin Island	15-Aug	Good	100	0	0	0	McCullough	100 sockeye in lake.
282-20.00	Sanborn Harbor	09-Aug	Excellent	0	0	10	0	McCullough	Low H2O level. Lots of pinks in the harbor, loads of fish and jumpers in deep H2O.
282-20.03	Sanborn Harbor	09-Aug	Excellent	0	0	10	0	McCullough	Low H2O level. Lots of pinks at mouth of harbor, and several jumpers in deep H2O.
282-20.04	Sanborn Harbor	09-Aug	Excellent	0	0	25	0	McCullough	Low H2O level. Lots of pinks at mouth of harbor, and several jumpers in deep H2O.
282-20.05	Falmouth Harbor	Not surveyed							

-Continued-

Table 43. (page 10 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
SOUTHCENTRAL DISTRICT									
283-70.03	McGinty Point	02-Aug	Good	0	0	1,000	0	Shaul	
		09-Aug	Good	0	0	400	0	Shaul	Saratoga survey.
		13-Aug	Good	0	0	1,000	0	Shaul	
		24-Aug	Good	0	0	2,200	0	Shaul	Poor escapement.
283-70.02	East of Mino	02-Aug	Good	0	0	15,000	0	Shaul	Gruman 7811 survey.
		09-Aug	Good	0	0	9,300	0	Shaul	Saratoga survey. A better survey than 8-02.
		13-Aug	Good	0	0	10,400	0	Shaul	Looks good in lower end; blank above.
		24-Aug	Good	0	0	11,500	0	Shaul	1,000 in west fork; 1,100 in east fork.
283-70.01	Mino Creek	16-Jul	Good	0	0	2,300	100	Berceli	All in lower end,below confluence.
		23-Jul	Good	0	0	12,900	0	Shaul	
		28-Jul	Good	0	0	35,000	0	Shaul	Gruman 7811 survey.
		01-Aug	Good	0	0	64,300	0	Shaul	Helicopter survey. 8,300 above fork; 4,300 in E fork, rest in A fork.
		09-Aug	Good	0	0	86,000	0	Shaul	1,000 pinks at mouth. 3,000 pinks in E fork, 6,000 pinks in A above forks; rest below E fork.
		13-Aug	Good	0	0	141,000	0	Shaul	Looks good below forks; 9,000 in E fork and 8,000 above E fork.
		23-Aug	Good	0	0	86,000	0	Berceli	Includes 7,500 in E below fork, and 5,000 in F creek.
		24-Aug	Good	770	0	16,100	0	Shaul	Surveyed E and C forks,and F lake. 450 sockeye in F lake. 6,300 pinks in C. This survey covered areas not covered on 8-23 due to weather and fuel.
283-62.05	Coal Bay Major	16-Jul	Good	0	0	500	0	Berceli	In creek just above mouth.
		23-Jul	Good	0	0	6,800	0	Shaul	2,000 pinks at mouth.
		28-Jul	Good	0	0	14,000	0	Shaul	Gruman 7811 survey.
		01-Aug	Good	0	0	52,000	0	Shaul	Looks good. Helicopter survey.
		09-Aug	Good	0	0	48,000	0	Shaul	5,000 pinks at mouth. Surveyed below canyon. Looks good in lower half, poor above; needs rain. Saratoga survey.
		13-Aug	Good	0	0	69,000	0	Shaul	Looks good.
		23-Aug	Good	0	0	45,000	0	Berceli	Water level good.
283-62.04	Coal Bay Minor	23-Jul	Good	0	0	600	0	Shaul	400 pinks at mouth.
		01-Aug	Good	0	0	21,000	0	Shaul	Looks good. Helicopter survey.
		09-Aug	Good	0	0	15,400	0	Shaul	300 pinks at mouth.
		13-Aug	Good	0	0	16,000	0	Shaul	
		23-Aug	Good	0	0	11,000	0	Berceli	Water level good.
283-62.03	Coal Bay Middle	24-Aug	Good	0	0	500	0	Shaul	
283-62.02	Coal Bay	24-Aug	Good	0	0	3,000	0	Shaul	

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Table 43. (page 11 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
283-62.01	Cape Tolstoi	24-Aug	Good	0	0	3,000	0	Shaul	2,000 pinks at mouth.
283-63.16	Settlement Point	16-Jul	Good	0	0	3,500	0	Berceli	900 in group way up left fork.
		23-Jul	Good	0	0	58,700	0	Shaul	1,000 pinks at mouth. 37,000 below forks; 3,100 in south fork.
		28-Jul	Good	0	0	115,000	0	Shaul	Did not survey south fork. 46,000 pinks below forks. No boats; looks good.
		13-Aug	Good	0	0	179,000	0	Shaul	Did not survey south fork. 107,000 pinks below forks.
		23-Aug	Good	0	0	82,000	0	Berceli	Water level good.
		24-Aug	Good	0	0	0	0	Shaul	3,000 pinks at mouth; additional 1,000 pinks and 200 chums along beach. Surveyed mouth only.
		31-Aug	Good	0	0	55,500	0	Berceli	Still a good show of in the lower end.
283-63.15	Middle Creek	16-Jul	Good	0	0	600	0	Berceli	Water looks low.
		23-Jul	Good	0	0	36,700	0	Shaul	6,700 in fork. Looks good for this date.
		28-Jul	Good	0	0	108,000	0	Shaul	Looks good. Gruman 7811 survey.
		23-Aug	Poor	0	0	9,200	0	Berceli	Several thousand carcasses. Poor light.
		24-Aug	Excellent	0	0	62,000	0	Shaul	Nothing at mouth.
283-64.10	Ness Creek	23-Aug	Poor	0	0	500	0	Berceli	Poor light and high H2O.
		31-Aug	Good	0	0	100	0	Berceli	150 pinks at mouth.
		03-Sep	Good	0	0	800	0	Shaul	Plus half as many carcasses.
283-64.09	Inner Canoe Bay	23-Aug	Good	0	0	0	700	Berceli	Water high. Additional 400 carcasses.
		31-Aug	Good	0	0	0	1,150	Berceli	100 chums at mouth.
283-64.08	Entrance Creek	23-Jul	Good	0	0	300	0	Shaul	
		09-Aug	Good	0	0	3,400	0	Shaul	
		23-Aug	Good	0	0	360	540	Berceli	
		24-Aug	Excellent	0	0	4,000	100	Shaul	100 chums at mouth.
		31-Aug	Poor	0	0	1,800	0	Berceli	
		03-Sep	Good	0	0	2,700	200	Shaul	
283-64.	Wolverine Gulch	23-Aug	Poor	0	0	300	0	Berceli	
		31-Aug	Good	0	0	600	0	Berceli	
		03-Sep	Good	0	0	2,000	0	Shaul	
283-64.06	Canoe Bay River	16-Jul	Excellent	600	0	0	1,000	Shaul	Species composition difficult. 300 chums at mouth, and 600 salmon in inner bay.
		08-Jul	Good	100	0	500	5,000	Berceli	2,000 chums at mouth; additional 600 salmon in inner bay.
		23-Jul	Poor	400	0	100	15,200	Shaul	Mouth and inner bay too choppy for a good survey.
		28-Jul	Poor	0	0	0	40,000	Shaul	Gruman 7811 survey. Inner bay too choppy ; probably some sockeye and pinks in count.
		09-Aug	Good	0	0	0	69,700	Shaul	5,000 chums at mouth; additional 5,000 chums in inner bay. Looks good.

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Table 43. (page 12 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species: Sockeye	Coho	Pink	Chum	Observer	Remarks [a,b]
		31-Aug	Poor	0	0	0	4,000	Berceli	Salmon at confluence of Clear Slough opposite Four Bear Creek. Too muddy.
		03-Sep	Good	0	0	16,200	500	Shaul	8,000 pinks in Four Bear Creek, probably 2,000 more pinks above . Only surveyed half way up creek. As many carcasses as alive in Four Bear Creek.
283-64.05	Bluff Point Creek	09-Aug	Good	0	0	5,000	900	Shaul	11,000 chums at mouth.
		03-Sep	Good	0	0	7,000	0	Shaul	As many carcasses as alive salmon.
283-63.14	Dry Lagoon	31-Aug	Poor	0	0	0	0	Berceli	Poor light. 50 chums at mouth.
283-63.13	Ruby's Lagoon	31-Aug	Good	0	0	0	3,100	Berceli	600 chums in the lagoon.
283-63.11	Chinaman Lagoon-North	Not surveyed							
283-63.10	Chinaman Lagoon Main	31-Aug	Good	0	0	0	0	Berceli	300 chums in the lagoon.
		10-Sep	Good	0	0	0	1,500	Shaul	300 chums at mouth.
283-63.09	Chinaman Lagoon	30-Aug	Good	0	0	0	0	Berceli	Did not see anything in the stream.
283-63.06	Chinaman Lagoon South	31-Aug	Poor	0	0	0	0	Berceli	Too dark to see any fish.
		10-Sep	Good	0	0	0	400	Shaul	2,000 chums at mouth. Only surveyed north fork and below.
283-63.05	Chinaman Lagoon Lower	31-Aug	Good	0	0	0	250	Berceli	200 chums in lagoon.
283-63.04	Chinaman Stream South	31-Aug	Poor	0	0	0	0	Berceli	Too dark to see any fish.
		10-Sep	Good	0	0	200	800	Shaul	
283-61.05	Long John Lagoon	Not surveyed.							
283-61.04	Spring Fed Lakes	16-Jul	Good	1,000	0	0	0	Berceli	Just a fly by; all fish in lower end.
		02-Aug	Good	1,000	0	0	0	Berceli	Salmon spread out in upper middle.
		02-Sep	Good	400	0	200	0	Shaul	
283-61.03	Long John Lagoon	02-Sep	Good	0	0	0	0	Shaul	
283-61.02	Southwest Stream	02-Aug	Poor	0	0	0	0	Berceli	Flew lagoon , and lower river at very high tide; five seals.
		09-Aug	Good	0	0	0	500	Shaul	Additional 3,000 chums in lagoon.
		17-Aug	Good	0	0	0	1,400	Shaul	500 chums at mouth. Additional 500 chums in lagoon, some may have backed out, on the low tide.

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Table 43. (page 13 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species: Sockeye	Coho	Pink	Chum	Observer	Remarks [a,b]
		02-Sep	Good	0	0	700	1,500	Shaul	2,000 chums in pothole. Lots of seal activity in the lagoon.
		10-Sep	Good	0	0	1,000	600	Shaul	Poor escapement.
SOUTHWESTERN DISTRICT									
284-52.10	Dushkin Lagoon	Not surveyed.							
284-52.08	Volcano River	09-Aug	Good	0	0	0	900	Shaul	Nothing at mouth, jumpers in deep H2O.
		13-Aug	Good	0	0	5,500	1,000	Shaul	Nothing on flats. Cherokee survey.
		17-Aug	Good	0	0	2,500	300	Shaul	Beaver survey.
		24-Aug	Good	0	0	3,200	1,000	Shaul	3,000 chums at mouth.
		02-Sep	Good	0	0	1,500	6,000	Shaul	2,000 chums at mouth.
		10-Sep	Good	0	0	4,500	5,600	Shaul	6,000 chums at mouth.
284-52.07	Volcano Center Sloughs	09-Aug	Good	0	0	0	0	Shaul	Surveyed flats only, nothing.
		13-Aug	Good	0	0	0	300	Shaul	3,000 chums at mouth.
		15-Aug	Good	0	0	0	0	Shaul	10,000 chums at mouth.
		17-Aug	Good	0	0	0	200	Shaul	10,000 chums at mouth.
		24-Aug	Good	0	0	2,000	800	Shaul	5,000 chums at mouth.
		02-Sep	Good	0	0	2,500	3,400	Shaul	7,000 chums at mouth.
		10-Sep	Good	0	0	5,000	3,000	Shaul	5,000 chums at mouth.
284-52.06	West Springholes	09-Aug	Good	0	0	500	800	Shaul	Nothing on flats.
		13-Aug	Good	0	0	1,500	300	Shaul	12,000 pinks at mouth.
		15-Aug	Good	0	0	1,700	0	Shaul	15,000 pinks at mouth.
		17-Aug	Good	0	0	1,300	300	Shaul	10,000 pinks at mouth.
		24-Aug	Good	0	0	6,500	100	Shaul	25,000 pinks and chums on flats; 3,000 pinks along the beach outside the markers.
		02-Sep	Good	0	0	12,000	200	Shaul	18,000 pinks at mouth. Another 5,000 pinks outside the markers.
		10-Sep	Good	0	0	22,000	0	Shaul	4,000 pinks at mouth.
284-52.05	Streamguard Creek	24-Aug	Good	0	0	0	0	Shaul	Surveyed mouth only. 1,000 chums at mouth.
		02-Sep	Good	0	0	400	600	Shaul	500 chums at mouth.
		10-Sep	Good	0	0	500	300	Shaul	3,000 pinks at mouth.
284-52.04	Stub Creek	13-Aug	Good	0	0	0	0	Shaul	Surveyed mouth only. 5,000 pinks at mouth.
		24-Aug	Good	0	0	500	0	Shaul	4,000 pinks at mouth. Earlier fish off mouth were stolen.
		02-Sep	Good	0	0	5,000	0	Shaul	8,000 pinks at mouth.
284-52.03	Little Bear Bay	17-Aug	Good	0	0	0	0	Shaul	19,000 chums 8,000 pinks in bay. Nothing in creeks.
		02-Sep	Good	0	0	4,000	700	Shaul	5,000 pinks at mouth. Additional 26,000 salmon in bay (75% pinks).
284-52.01	Nikolaski Spit	07-Aug	Good	0	0	100	0	Shaul	Needs rain.
		09-Aug	Good	0	0	0	0	Shaul	No fish seen.
		13-Aug	Good	0	0	100	0	Shaul	5,000 pinks along the beach.

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Table 43. (page 14 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
		15-Aug	Good	0	0	600	0	Shaul	Improved water flow.
		17-Aug	Good	0	0	1,300	0	Shaul	5,000 pinks at mouth.
		24-Aug	Good	0	0	13,300	0	Shaul	3,000 pinks at mouth. 3,000 along beach.
		02-Sep	Good	0	0	9,000	0	Shaul	1,000 pinks at mouth. 7,000 along beach.
284-51.03	Dolgoi Harbor North	02-Sep	Good	0	0	1,500	0	Shaul	3,000 pinks at mouth; plugged.
284-51.06	Dolgoi Harbor Southwest	02-Aug	Good	0	0	0	0	Berceli	Good show of jumpers in deep water.
		07-Aug	Good	0	0	4,500	0	Shaul	10,000 pinks at mouth. Looks good.
		02-Sep	Good	0	0	6,800	0	Shaul	10,000 pinks at mouth. Loaded; fish spawning to very end.
284-51.05	Dolgoi Harbor South	02-Sep	Good	0	0	300	0	Shaul	500 pinks at mouth. Full.
284-41.01	Belkofski Village	28-Jul	Good	0	0	5,800	0	Shaul	1,500 pinks at mouth.
		02-Aug	Fair	0	0	10,000	0	Berceli	Beach and mouth muddy. All fish in lower river; a few look fresh.
		07-Aug	Good	0	0	14,000	0	Shaul	9,000 pinks at mouth. Survey of lower half.
		09-Aug	Good	0	0	14,500	0	Shaul	5,000 pinks at mouth.
		13-Aug	Good	0	0	19,000	0	Shaul	11,000 pinks at mouth. Need rain.
		15-Aug	Good	0	0	21,000	0	Shaul	
		17-Aug	Good	0	0	30,000	200	Shaul	3,000 pinks at mouth.
		24-Aug	Good	0	0	29,400	0	Shaul	300 pinks at mouth. Looks good.
284-42.12	Rocky River	28-Jul	Good	0	0	700	0	Shaul	
		02-Aug	Good	0	0	3,000	0	Berceli	2,000 pinks at mouth. Low H2O level.
		07-Aug	Good	0	0	800	0	Shaul	6,000 pinks at mouth. Surveyed below canyon only ; turbulent. Cherokee survey.
		09-Aug	Good	0	0	300	0	Shaul	12,000 pinks at mouth.
		13-Aug	Good	0	0	500	0	Shaul	20,000 pinks at mouth. Needs rain.
		15-Aug	Good	0	0	15,000	0	Shaul	10,000 pinks at mouth. Rain of 8-13 helped. Cherokee survey.
		17-Aug	Good	0	0	12,000	0	Shaul	7,000 pinks at mouth. Beaver survey.
		24-Aug	Good	0	0	24,600	0	Shaul	5,000 pinks at mouth. Looks good.
284-42.10	Kitchen Anchorage	02-Aug	Good	0	0	0	0	Berceli	2,000 pinks at mouth. Good show of jumpers in deep water. Five purse seiners outside.
		09-Aug	Good	0	0	0	0	Shaul	5,000 pinks at mouth. 15-20,000 pinks along beach, and several jumpers in bay.
		13-Aug	Good	0	0	0	0	Shaul	40,000 pinks at mouth. Need rain.
		17-Aug	Good	0	0	700	0	Shaul	8,000 pinks at mouth. Several thousand fresh fish moving in along the beach.
		23-Aug	Poor	0	0	4,000	0	Berceli	4,000 pinks at mouth. Fly by; down drafts.
		24-Aug	Excellent	0	0	1,800	0	Shaul	20,000 pinks at mouth. Plus 500 pinks along the beach.
		02-Sep	Good	0	0	1,800	0	Shaul	10,000 pinks at mouth. Plus 15,000 pinks along the beach.

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Table 43. (page 15 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
284-42.09	Captain's Harbor	13-Aug	Good	0	0	0	0	Shaul	20,000 chums in harbor.
		17-Aug	Good	0	0	300	0	Shaul	5,000 pinks at mouth. 25,000 chums in the harbor.
		23-Aug	Good	0	0	4,500	0	Berceli	3,000 pinks at mouth.
		02-Sep	Good	0	0	3,800	300	Shaul	1,000 pinks at mouth. Plus 10,000 chums in the harbor.
284-42.07	Belkofski Bay River	02-Aug	Good	0	0	0	0	Berceli	5,000 chums at mouth. Several jumpers outside in deep water.
		09-Aug	Good	0	0	0	1,300	Shaul	5,000 chums at mouth. Plus 15,000 chums in Captain's Harbor.
		13-Aug	Good	0	0	2,000	2,000	Shaul	3,000 chums at mouth. Plus 20,000 chums in Captain's Harbor.
		17-Aug	Good	0	0	2,900	2,800	Shaul	3,000 chums at mouth. Plus 25,000 chums in Captain's Harbor.
		23-Aug	Poor	0	0	30,000	28,000	Berceli	14,500 chums and 22,000 pinks in Captain's Harbor.
		02-Sep	Good	0	0	4,000	17,200	Shaul	3,000 chums at mouth. Plus 10,000 chums in Captain's Harbor.
284-42.06	Belkofski Bay Beach	13-Aug	Good	0	0	50	0	Shaul	800 pinks at mouth.
		17-Aug	Good	0	0	300	0	Shaul	1,500 pinks at mouth.
		23-Aug	Good	0	0	400	0	Berceli	
		02-Sep	Good	0	0	2,200	0	Shaul	300 pinks at mouth.
284-42.05	Belkofski Bay, West	02-Aug	Good	0	0	1,500	0	Berceli	All fish were in the lower end.
		09-Aug	Good	0	0	1,300	0	Shaul	4,000 pinks at mouth. Saratoga survey.
		13-Aug	Good	0	0	1,400	0	Shaul	5,000 pinks at mouth; plus several schools along the beach to the south.
		15-Aug	Good	0	0	4,000	0	Shaul	4,000 pinks at mouth.
		17-Aug	Good	0	0	8,300	0	Shaul	1,000 pinks at mouth. Looks good.
		23-Aug	Good	0	0	12,000	0	Berceli	Surf on beach.
		02-Sep	Good	0	0	8,800	0	Shaul	No fish at mouth or along beach.
284-42.03	Indian Head	13-Aug	Good	0	0	0	0	Shaul	13,000 pinks at mouth. Lower half of creek is dry.
		15-Aug	Good	0	0	500	0	Shaul	Open but low H2O flow. Jumpers at mouth, but unable to see fish.
		17-Aug	Good	0	0	700	0	Shaul	2,000 pinks at mouth.
		23-Aug	Good	0	0	2,400	0	Berceli	
		02-Sep	Good	0	0	7,500	0	Shaul	1,000 pinks at mouth. Plus 9,000 pinks along the beach, and another 3,500 pinks along the beach to the north.
284-33.05	Ram's Creek	15-Aug	Good	0	0	6,500	0	Shaul	3,500 pinks above culvert,and 3,000 pinks at the mouth.
		17-Aug	Good	0	0	5,500	0	Shaul	2,500 pinks above culvert, and 5,000 pinks at the mouth.

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Table 43. (page 16 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
		23-Aug	Good	0	0	32,000	0	Berceli	3,000 pinks at mouth. Most fish below culvert.
		02-Sep	Good	0	0	20,000	0	Shaul	1,000 pinks at mouth.
284-33.04	King Cove Lagoon	02-Sep	Good	0	0	0	700	Shaul	10,000 chums at mouth; plus 2,000 chums along east side of lagoon.
284-33.03	King Cove	23-Aug	Good	0	0	1,000	0	Berceli	6,000 pinks at mouth. Most are in lagoon.
		02-Sep	Good	0	0	0	200	Shaul	1,000 chums at mouth.
284-31.01	Fox Island Anchorage East	28-Jul	Good	0	0	15,000	0	Shaul	Gruman 7811 survey.
		30-Jul	Good	0	0	15,700	0	Shaul	6,000 pinks at mouth.
		23-Aug	Good	0	0	94,000	0	Berceli	
284-31.02	Fox Island Anchorage Center	30-Jul	Good	0	0	2,100	0	Shaul	3,000 pinks at mouth.
		23-Aug	Good	0	0	15,000	0	Berceli	5,000 pinks at mouth. Water level good.
284-31.03	Fox Island Anchorage West	28-Jul	Good	0	0	10,000	0	Shaul	Gruman 7811 survey.
		30-Jul	Good	0	0	14,000	0	Shaul	4,000 pinks at mouth.
		23-Aug	Good	0	0	40,000	0	Berceli	Looks good.
284-31.05	Paw Cape Creek	23-Aug	Good	0	0	10,000	0	Berceli	
284-31.06	Southern Creek	23-Jul	Good	0	0	7,800	0	Shaul	2,000 pinks at mouth. 2,000 pinks below the first bend.
		28-Jul	Good	0	0	49,000	0	Shaul	Gruman 7811 survey. Only surveyed below upper valley, probably more fish above.
		30-Jul	Good	0	0	52,000	0	Shaul	
		23-Aug	Good	0	0	120,000	0	Berceli	Lower end murky, still a good show of fish.
284-31.10	Eastern Creek	23-Jul	Good	0	0	4,400	0	Shaul	5,000 pinks at mouth.
		28-Jul	Good	0	0	24,000	0	Shaul	Looks good.
		23-Aug	Good	0	0	9,000	0	Berceli	
284-34.11	Lenard Harbor South	02-Sep	Good	0	0	2,000	0	Shaul	500 pinks at mouth.
284-34.10	Lenard Harbor Main	02-Aug	Poor	0	0	0	100	Berceli	Poor visibility; bay choppy.
		09-Aug	Good	0	0	800	0	Shaul	300 chums at mouth; plus several jumpers in deep water.
		13-Aug	Good	0	0	1,300	2,000	Shaul	Nothing on flats.
		17-Aug	Good	0	0	300	2,400	Shaul	
		02-Sep	Good	0	0	2,800	3,500	Shaul	Nothing on flats.
284-34.09	Barney's Creek	02-Aug	Good	0	0	0	0	Berceli	Significant down drafts.
		07-Aug	Fair	0	0	800	0	Shaul	Turblulent. Cherokee survey.
		09-Aug	Good	0	0	700	0	Shaul	1,000 pinks at mouth.
		13-Aug	Good	0	0	4,000	0	Shaul	2,000 pinks at mouth.

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Table 43. (page 17 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
		17-Aug	Good	0	0	3,000	0	Shaul	2,000 pinks at mouth.
		02-Sep	Good	0	0	3,000	1,500	Shaul	
284-34.07	Kinzarof Lagoon	24-Aug	Good	1,600	0	0	100	Shaul	
284-34.06	Kinzarof Lagoon	24-Aug	Good	10	0	0	0	Shaul	
284-34.05	Kinzarof Lagoon	24-Aug	Good	250	0	0	0	Shaul	
284-34.03	Trout Creek	24-Aug	Good	30	0	1,400	800	Shaul	400 chums below culvert, rest spawning.
		24-Sep	Good	0	1,100	0	0	Shaul	400 coho above the road.
284-34.02	Russel Creek	14-Jul	Good	0	0	0	1,000	Shaul	
		23-Jul	Good	0	0	7,000	8,100	Shaul	1,100 chums were above the hatchery.
		31-Jul	Good	0	0	1,500	2,500	Berceli	500 chums were above the weir.
		03-Aug	Good	0	0	9,000	18,500	Shaul	1,500 chums were above the hatchery.
		17-Aug	Good	0	0	10,000	27,500	Shaul	4,000 pinks and 9,500 chums were above the hatchery.
		25-Aug	Good	150	0	14,000	13,700	Shaul	6,000 pinks and 8,100 chums were above the hatchery.
		24-Sep	Good	0	1,000	0	0	Shaul	All scattered in small schools between the mouth and the hatchery.
284-34.01	Mortensen	24-Aug	Good	3,700	0	0	0	Shaul	Survey of lake and creek. 2,800 sockeye in creek; most spawning. 900 sockeye in lake, maybe more.
		02-Sep	Good	5,700	0	0	0	Shaul	Survey of creek and lake. 3,400 in creek.
		10-Sep	Good	5,000	0	0	0	Shaul	Survey of creek. Looks good.
		24-Sep	Good	1,300	0	0	0	Shaul	Survey of creek and lake. 100 sockeye spawning in lake, rest spawning in creek.
284-32.01	Old Man's Lagoon	31-Jul	Good	0	0	0	200	Berceli	
		24-Aug	Good	0	0	0	900	Shaul	As many more carcasses.
284-20.06	Thinpoint Lagoon & Entrance Channel	02-Jul	Poor	0	0	0	0	Shaul	Two jumpers. Windy and muddy.
		16-Jul	Poor	300	0	0	0	Berceli	Half of fish in lagoon; two seals at mouth.
		23-Jul	Good	10,000	0	0	0	Shaul	Good for this date. A few in lake.
		27-Jul	Poor	14,000	0	0	0	Shaul	Poor light. 1,000 sockeye on east flats.
		30-Jul	Good	18,800	0	0	0	Shaul	Looks good.
		09-Aug	Good	7,500	0	0	0	Shaul	Some fish backed out during the night.
		13-Aug	Good	5,000	0	0	0	Shaul	Many fish colored up.
		17-Aug	Good	11,300	0	0	0	Shaul	4,000 fairly new fish in lower end.
		02-Sep	Good	2,200	3,700	0	0	Shaul	
		10-Sep	Good	0	3,500	0	0	Shaul	
		11-Sep	Good	0	15,000	0	0	Shaul	Excellent conditions.

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Table 43. (page 18 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
284-20.08	Thinpoint West	Not surveyed.							
284-20.09	Thinpoint Lake Stream	02-Sep	Good	2,200	0	0	0	Shaul	
		10-Sep	Good	4,000	0	0	0	Shaul	3,000 sockeye at mouth.
284-20.10	Thinpoint Lake	10-Sep	Good	2,000	0	0	0	Shaul	
284-20.04	Southwest Bight	30-Jul	Good	0	0	300	0	Shaul	
		13-Aug	Good	0	0	3,100	0	Shaul	
		02-Sep	Good	0	0	2,500	0	Shaul	
284-20.03	Verskin's Bight (McGinty's Creek)	28-Jul	Good	0	0	5,000	0	Shaul	Gruman 7811 survey.
		30-Jul	Good	0	0	4,300	0	Shaul	
		09-Aug	Good	0	0	8,500	0	Shaul	
		13-Aug	Good	0	0	16,000	0	Shaul	Looks good.
		02-Sep	Poor	0	0	6,300	0	Shaul	Poor light.
284-20.01	Sandy Cove	30-Jul	Good	0	0	1,500	200	Shaul	
		09-Aug	Good	0	0	5,000	5,000	Shaul	4,000 chums at mouth; jumpers in deep H2O.
		13-Aug	Good	0	0	9,000	4,000	Shaul	
		17-Aug	Good	0	0	15,000	6,000	Shaul	
		02-Sep	Poor	0	0	9,000	9,000	Shaul	Poor light; species composition difficult. Cherokee survey.
284-11.01	Near Egg Island Stream	30-Jul	Good	0	0	400	0	Shaul	
		13-Aug	Good	0	0	2,600	0	Shaul	
		02-Sep	Good	0	0	4,000	300	Shaul	
284-12.13	Little John Lagoon	09-Aug	Good	0	0	100	200	Shaul	300 chums at mouth, 500 chums in lagoon, and 4-5,000 chums in open water outside the lagoon.
		15-Aug	Good	0	0	500	500	Shaul	Additional 600 chums on flats, and 300 chums along the spit.
		28-Aug	Good	0	0	500	3,200	Shaul	Lagoon too choppy for accurate survey.
		02-Sep	Good	0	0	2,400	4,000	Shaul	Poor light. Plus 1,000 chums on flats.
284-12.12	Little John Sand Spit	02-Sep	Good	0	0	0	0	Shaul	100 chums at mouth. Nothing in creek.
284-12.11	Cannery Creek	02-Sep	Good	0	0	100	0	Shaul	
284-12.05	Middle Lagoon	14-Jul	Good	0	0	0	0	Shaul	Survey of lagoon. Nothing.
		18-Jul	Good	500	0	0	0	Shaul	Survey of lagoon.
		27-Jul	Poor	500	0	0	0	Shaul	
		30-Jul	Good	600	0	0	0	Shaul	
		03-Aug	Good	200	0	0	0	Shaul	Jumpers in upper lagoon.
		09-Aug	Good	5,500	0	0	0	Shaul	Survey of entire lagoon. 3,000 sockeye in pothole, another 2-3,000 on flats below the lake outlet, and only 100 in lagoon outlet.

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Table 43. (page 19 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species				Observer	Remarks [a,b]
				Sockeye	Coho	Pink	Chum		
		25-Aug	Poor	0	0	0	0	Shaul	Nothing coming in; no activity in pothole, and upper end too muddy to survey.
		02-Sep	Poor	3,900	0	0	0	Shaul	Survey of lake, lake outlet, and upper end of lagoon. 400 sockeye spawning in outlet, 1,500 spawning in lake, rest schooled below outlet. Plankton bloom on lake; high tide.
		10-Sep	Fair	5,500	0	0	0	Shaul	Survey of lake and outlet. 500 sockeye in outlet; rest spawning in lake.
		24-Sep	Fair	3,800	0	0	0	Shaul	Algal bloom still on lake.
284-12.01	Hansen's Creek	27-Jul	Good	0	0	2,200	0	Shaul	Survey of creek only.
		03-Aug	Good	3,200	0	4,000	0	Shaul	2,000 pinks at mouth.
		13-Aug	Good	0	0	12,800	0	Shaul	Survey of creek only. 4,000 pinks at mouth.
		02-Sep	Good	0	0	9,400	0	Shaul	Survey of creek only.
284-60.08	Deadman's Cove	18-Jul	Good	400	0	0	0	Shaul	Survey of lake.
		30-Jul	Good	700	0	9,000	0	Shaul	
		03-Aug	Good	0	0	15,400	0	Shaul	5,000 pinks at mouth.
		09-Aug	Good	0	0	36,000	0	Shaul	5,000 pinks at mouth.
		13-Aug	Poor	0	0	44,000	0	Shaul	Large number of fish at mouth but light too poor for estimate.
		15-Aug	Good	0	0	62,000	0	Shaul	
		17-Aug	Good	0	0	85,000	0	Shaul	Looks good.
		02-Sep	Good	1,500	0	34,000	0	Shaul	Sockeye spawning in lake. Poor light.
284-60.07	Whalebone Bay	18-Jul	Good	1,300	0	0	0	Shaul	Colored up in small schools.
		30-Jul	Poor	300	0	300	0	Shaul	Survey of lake and outlet. 200 pinks at mouth. Sockeye estimate in lake is rough. There were sockeye in creek, not surveyed.
		03-Aug	Good	900	0	0	0	Shaul	500 pinks at mouth. 500 sockeye in creek, rest schooled in lake.
		13-Aug	Poor	0	0	400	0	Shaul	Survey of outlet.
		02-Sep	Poor	0	200	300	0	Shaul	Poor light. Coho's schooled in lake.
284-60.06	Sankin Bay	30-Jul	Good	0	0	200	0	Shaul	300 pinks at mouth.
		13-Aug	Good	0	0	2,500	0	Shaul	1,000 pinks at mouth.
		25-Aug	Good	0	0	3,500	0	Shaul	Nothing at mouth.
284-60.05	Whirl Point	27-Jul	Good	0	0	0	0	Shaul	Nothing.
		30-Jul	Good	0	0	0	0	Shaul	100 pinks at mouth.
		13-Aug	Good	0	0	100	0	Shaul	8,000 pinks at mouth.
		15-Aug	Good	0	0	600	0	Shaul	15,000 pinks at mouth.
		25-Aug	Good	0	0	2,500	0	Shaul	
		02-Sep	Good	0	0	3,400	0	Shaul	1,500 pinks at mouth.
284-60.04	Ikatan River	25-Aug	Good	0	0	5,800	500	Shaul	
284-60.03	Swede's Lake	18-Jul	Good	400	0	0	0	Shaul	50 sockeye spawning.

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Table 43. (page 20 of 20)

Stream Number	Stream Name/Location	Date	Survey Conditions	Species: Sockeye	Coho	Pink	Chum	Observer	Remarks [a,b]
		13-Aug	Good	60	0	0	0	Shaul	2,000 pinks at mouth.
		25-Aug	Good	0	0	300	0	Shaul	2,000 pinks at mouth; 100 along beach.
284-60.01	Ikatan Point	30-Jul	Good	0	0	350	0	Shaul	1,500 pinks at mouth.
		09-Aug	Good	0	0	700	0	Shaul	5,000 pinks at mouth.
		13-Aug	Good	0	0	1,700	0	Shaul	Solid jumpers from north marker to mouth.
		15-Aug	Good	0	0	14,300	0	Shaul	
		25-Aug	Good	0	0	20,800	0	Shaul	4,000 pinks at mouth.Looks good.
UNIMAK DISTRICT									
285-50.00	Dora Harbor Left	25-Aug	Good	0	0	400	0	Shaul	200 pinks at mouth.
285-40.09	Otter Cove North	30-Jul	Good	0	0	600	0	Shaul	
		09-Aug	Good	0	0	2,600	0	Shaul	
		13-Aug	Good	0	0	5,300	0	Shaul	4,000 pinks in the lower end.
		25-Aug	Good	0	0	10,100	0	Shaul	500 pinks at mouth.
285-40.08	Otter Cove South	30-Jul	Good	0	0	100	100	Shaul	
		09-Aug	Good	0	0	1,500	0	Shaul	
		13-Aug	Good	0	0	1,200	0	Shaul	
		25-Aug	Good	0	0	4,700	0	Shaul	
285-40.05	Lazaref River	Not surveyed.							
285-10.	Sanak Village	Not surveyed.							
285-10.	Sanak Is. W.	Not surveyed.							
285-10.	Washwomen Creek	Not surveyed.							
285-10.??	Dodd's Bay E.	Not surveyed.							
285-10.	Sandy Bay	Not surveyed.							
285-10.	Salmon Bay	Not surveyed.							

[a] All fish listed as being at the stream mouth, etc., are additional to those in stream unless otherwise noted in remarks.
[b] ADF&G super cub was used for surveys unless otherwise noted in remarks.
[c] See Orzinski weir counts and escapement.

Table 44. Peak and estimated total salmon escapement by district, species, and stream for the South Peninsula, 1992.

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
SOUTHEASTERN DISTRICT									
281-35.07	Bluff Point	0	0	0	0	200	331	300	360
281-35.06	Boulder Bay	0	0	0	0	1,050	1,890	300	535
281-35.05	Fox Bay	0	0	0	0	500	1,273	400	890
281-35.04	Fox Bay	0	0	0	0	700	1,160	100	500
281-35.02	Fox Bay	0	0	0	0	11,700	14,973	250	425
Not numbered Unnamed Stream west of 281-35.02 Currently identified as stream 281.35.01		0	0	0	0	1,600	5,160	0	0
281-34.08	Island Bay	0	0	0	0	2,500	3,000	0	0
Not numbered. Unnamed Stream south of 281-34.08		0	0	0	0	0	0	0	0
281-34.07	Island Bay	0	0	0	0	750	1,220	0	0
281-34.06	Island Bay	0	0	0	0	8,500	10,562	0	0
281-34.05	Island Bay	0	0	0	0	7,100	10,100	0	0
281-34.04	Unnamed	0	0	0	0	1,200	1,440	50	55
281-34.03	Stonehouse	0	0	0	0	25,000	31,816	300	510

-Continued-

Table 44. (page 2 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
281-34.02	Osterback	0	0	0	0	8,200	14,760	0	0
281-34.01	Granville-Portage Inlet	0	0	0	0	12,450	22,410	2,250	3,825
281-33.06	Stepovak Flats	0	0	0	0	2,500	4,500	500	1,633
281-33.05	Stepovak River	0	0	0	0	15,000	27,000	26,850	45,645
281-33.04	Big River	0	0	0	0	10,000	18,000	3,800	6,460
281-33.03	Louie's Corner	0	0	0	0	8,000	26,133	7,000	11,900
281-33.02	Ramsey Bay	0	0	0	0	5,000	9,000	5,000	8,500
281-33.01	Ramsey Bay	0	0	0	0	5,000	9,000	15,000	25,500
281-32.07	Grub Gulch	0	0	0	0	34,500	62,100	6,000	10,200
281-32.06	Clark Bay Stream	0	0	0	0	0	0	0	0
281-32.05	Clark Bay	0	0	0	0	11,000	18,700	2,350	4,900
281-32.04	Little Norway	0	0	0	0	14,000	25,200	4,000	6,800
281-31.03	Orzinski Lake and Stream[a]	5,285	25,000	0	0	17,000	30,600	1,100	1,870
281-20.04	Windbound Bay	0	0	0	0	5,200	9,360	75	128
281-20.02	Chichagof	0	0	0	0	11,800	27,160	4,500	7,650

-Continued-

Table 44. (page 3 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
281-20.01	Chichagof Bay Stream	0	0	0	0	5,000	14,877	350	618
281-10.04	West Cove	0	0	0	0	600	1,080	0	0
281-10.03	Suzy's Creek	0	0	0	0	63,000	134,830	0	0
281-10.02	Dorenoi Bay (minor stream)	0	0	0	0	5,400	9,720	150	255
281-10.01	Dorenoi Bay Stream	0	0	0	0	18,500	49,821	1,600	2,720
283-90.04	San Diego Bay	0	0	0	0	3,750	6,750	1,200	2,190
283-90.04	San Diego Lagoon	0	0	0	0	100	180	50	85
281-90.02	Rough Beach Creek	0	0	0	0	18,400	66,502	0	0
281-90.01	Swedania Point Creek	0	0	0	0	29,000	61,507	0	0
283-80.16	Ballast Island	0	0	0	0	250	450	0	0
283-80.15	Coleman Creek	0	0	0	0	8,000	14,400	7,500	12,750
283-80.14	Johnson Creek	0	0	0	0	8,500	15,300	2,750	4,675
283-80.12	Foster's Camp (Bassett)	0	0	0	0	900	2,460	0	0

-Continued-

Table 44. (page 4 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
283-80.11	Monolith Point Creek	0	0	0	0	1,000	1,800	2,600	4,420
281-80.09	Foster Creek	0	0	0	0	17,100	32,000	3,400	5,780
281-80.08	Lefthand Bay	0	0	0	0	8,700	16,353	4,200	7,140
281-80.06	Cape Aliaksin	0	0	0	0	20,400	36,720	0	0
281-80.05	Cape Aliaksin	0	0	0	0	8,100	14,580	0	0
281-80.04	Cape Aliaksin	0	0	0	0	14,700	26,485	0	0
283-70.06	Kagayan Flats	Not Surveyed							
281-70.05	Beaver River	0	0	0	0	6,400	12,136	9,000	15,300
283-70.04	Smiley Creek	0	0	0	0	3,600	6,480	0	0
282-13.01	Unga Spit	Not Surveyed							
282-13.02	Dry Lagoon	0	0	0	0	60,000	108,000	5,500	9,940
282-13.03	Bay Point	0	0	0	0	25,000	45,000	7,500	12,750
282-13.04	Pinnacle Point	0	0	0	0	8,200	14,760	0	0
282-13.05	Unnamed	0	0	0	0	0	0	0	0
282-13.06	Unnamed	0	0	0	0	0	0	0	0

-Continued-

Table 44. (page 5 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
282-10.02	Apollo Creek Minor	0	0	0	0	3,700	8,213	0	0
282-10.03	Apollo Creek	0	0	0	0	9,200	21,120	0	0
282-10.04	Acheredin Lake	900	1,125	0	0	0	0	0	0
282-10.06	Unnamed	Not Surveyed							
282-10.10	Unnamed	0	0	0	0	0	0	0	0
282-10.11	Apollo Gold Mine (Delarof Harbor)	0	0	0	0	13,000	23,400	0	0
282-10.12	Unga Cape Stream	0	0	0	0	1,200	2,160	0	0
282-10.13	Johnny Nelson Lake	900	1,125	350	350	200	360	200	340
282-10.14	Squaw Harbor Minor	0	0	0	0	9,700	17,460	0	0
282-10.15	Squaw Harbor Major	0	0	0	0	34,000	71,740	0	0
282-10.16	Ben Green Bight Farm	0	0	0	0	9,100	16,380	1,000	1,700
282-10.17	NE Unga I.	Not Surveyed							
282-12.10	No Name	0	0	0	0	0	0	6	10

-Continued-

Table 44. (page 6 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
282-12.09	South Quartz Point	0	0	0	0	200	480	0	0
282-12.08	South Quartz Point	0	0	0	0	200	480	250	425
282-12.07	Zachary Bay	0	0	0	0	150	360	250	425
282-12.06	Zachary Bay	0	0	0	0	20	48	500	850
282-12.05	Zachary Bay	0	0	0	0	2,200	5,280	1,150	1,955
282-12.04	Zachary Bay	0	0	0	0	600	1,440	1,000	1,700
282-12.03	Zachary Bay	0	0	0	0	150	450	50	85
282-12.02	Zachary Bay	0	0	0	0	500	1,200	0	0
282-12.01	Zachary Bay Coal Harbor West	0	0	0	0	100	200	0	0
282-10.18	Humbolt Creek	0	0	300	300	405	729	0	0
282-11.01	Salmon Ranch	0	0	0	0	300	540	0	0
282-11.03	Fox Hole (Little Harbor)	0	0	0	0	500	1,500	0	0
282-11.06	Korovin Island	100	125	0	0	0	0	0	0
282-20.00	Sanborn Harbor	0	0	0	0	10	18	0	0

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Table 44. (page 7 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
282-20.03	Sanborn Harbor	0	0	0	0	10	18	0	0
282-20.04	Sanborn Harbor	0	0	0	0	25	45	0	0
282-20.05	Falmouth Harbor	Not Surveyed							
Southeastern District Total		7,185	27,375	650	650	640,520	1,252,660	130,331	224,399
SOUTH CENTRAL DISTRICT									
283-70.03	McGinty Point	0	0	0	0	2,200	3,960	0	0
283-70.02	East of Mino	125	0	0	0	15,000	29,577	0	0
283-70.01	Mino Creek	770	963	0	0	141,000	253,800	100	170
283-62.05	Coal Bay Major	0	0	0	0	69,000	124,200	0	0
283-62.04	Coal Bay Minor	0	0	0	0	21,000	37,800	0	0
283-62.03	Coal Bay Middle	0	0	0	0	500	900	0	0
283-62.02	Coal Bay	0	0	0	0	3,000	5,400	0	0
283-63.15	Middle Creek	0	0	0	0	108,000	216,840	0	0
283-64.10	Ness Creek	0	0	0	0	800	1,440	0	0
283-64.09	Inner Canoe Bay	0	0	0	0	0	0	1,150	1,955

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Table 44. (page 8 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
283-64.08	Entrance Creek	0	0	0	0	4,000	7,596	0	0
283-64.	Wolverine Gulch	0	0	0	0	2,000	3,600	0	0
283-64.06	Canoe Bay River	600	1,200	0	0	16,200	29,160	69,700	119,943
283-64.05	Bluff Point Creek	0	0	0	0	7,000	25,000	900	1,530
283-63.14	Dry Lagoon	0	0	0	0	0	0	50	85
283-63.13	Ruby's Lagoon	0	0	0	0	0	0	3,100	5,270
283-63.11	Chinaman Lagoon-North	Not Surveyed							
283-63.10	Chinaman Lagoon Main	0	0	0	0	0	0	1,500	2,550
283-63.09	Chinaman Lagoon	0	0	0	0	0	0	0	0
283-63.06	Chinaman Lagoon South	0	0	0	0	0	0	400	2,400
283-63.05	Chinaman Lagoon Lower	0	0	0	0	0	0	250	425
283-63.04	Chinaman Stream South	0	0	0	0	200	360	800	1,360

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Table 44. (page 9 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
283-61.05	Long John Lagoon	Not Surveyed							
283-61.04	Spring Fed Lakes	1,000	2,000	0	0	200	413	0	0
283-61.03	Long John Lagoon	0	0	0	0	0	0	0	0
283-61.02	Southwest Stream	0	0	0	0	1,000	1,800	1,500	2,794
South Central District Total		2,495	4,163	0	0	391,100	741,846	79,450	138,482
SOUTHWESTERN DISTRICT									
284-52.10	Dushkin Lagoon	Not Surveyed							
284-52.08	Volcano River	0	0	0	0	5,500	9,900	6,000	11,600
284-52.07	Volcano Center Sloughs	0	0	0	0	5,000	9,000	3,400	10,400
284-52.06	West Springholes	0	0	0	0	22,000	39,600	800	1,360
284-52.05	Streamguard Creek	0	0	0	0	500	3,500	600	1,100

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Table 44. (page 10 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
284-52.04	Stub Creek	0	0	0	0	5,000	13,000	0	0
284-52.03	Little Bear Bay	0	0	0	0	4,000	28,500	700	7,200
284-52.01	Nikolaski Spit	0	0	0	0	13,300	23,940	0	0
284-51.03	Dolgoi Harbor North	0	0	0	0	1,500	4,500	0	0
284-51.06	Dolgoi Harbor Southwest	0	0	0	0	6,800	21,087	0	0
284-51.05	Dolgoi Harbor South	0	0	0	0	300	800	0	0
284-41.01	Belkofski Village	0	0	0	0	30,000	54,000	200	340
284-42.12	Rocky River	0	0	0	0	24,600	44,280	0	0
284-42.10	Kitchen Anchorage	0	0	0	0	1,800	26,800	0	0
284-42.09	Captain's Harbor	0	0	0	0	4,500	8,100	300	510
284-42.07	Belkofski Bay River	0	0	0	0	4,000	9,200	17,200	30,200
284-42.06	Belkofski Bay Beach	0	0	0	0	2,200	3,960	0	0

-Continued-

Table 44. (page 11 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
284-42.05	Belkofski Bay, West	0	0	0	0	12,000	21,600	0	0
284-42.03	Indian Head	0	0	0	0	7,500	21,000	0	0
284-33.05	Ram's Creek	0	0	0	0	32,000	57,600	0	0
284-33.04	King Cove Lagoon	0	0	0	0	0	0	700	12,700
284-33.03	King Cove	0	0	0	0	1,000	7,000	200	1,200
284-31.01	Fox Island Anchorage East	0	0	0	0	94,000	194,613	0	0
284-31.02	Fox Island Anchorage Center	0	0	0	0	15,000	27,907	0	0
284-31.03	Fox Island Anchorage West	0	0	0	0	40,000	92,933	0	0
284-31.05	Paw Cape Creek	0	0	0	0	10,000	18,000	0	0
284-31.06	Southern Creek	0	0	0	0	120,000	308,120	0	0
284-31.10	Eastern Creek	0	0	0	0	24,000	43,200	0	0
284-34.11	Lenard Harbor South	0	0	0	0	2,000	3,600	0	0

-Continued-

Table 44. (page 12 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
284-34.10	Lenard Harbor Main	0	0	0	0	2,800	5,040	3,500	8,000
284-34.09	Barney's Creek	0	0	0	0	4,000	7,200	1,500	2,550
284-34.07	Kinzarof Lagoon	1,600	3,200	0	0	0	0	100	170
284-34.06	Kinzarof Lagoon	10	20	0	0	0	0	0	0
284-34.05	Kinzarof Lagoon	250	500	0	0	0	0	0	0
284-34.03	Trout Creek	30	60	1,100	2,640	1,400	2,520	800	1,360
284-34.02	Russel Creek	150	300	1,000	2,400	14,000	34,683	27,500	53,852
284-34.01	Mortensen	5,700	11,400	0	0	0	0	0	0
284-32.01	Old Man's Lagoon	0	0	0	0	0	0	900	1,851
284-20.06	Thinpoint Lagoon & Entrance Channel	18,800	37,600	15,000	36,000	0	0	0	0
284-20.08	Thinpoint West	Not Surveyed							
284-20.09	Thinpoint Lake Stream	4,000	8,000	0	0	0	0	0	0

-Continued-

Table 44. (page 13 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
284-20.10	Thinpoint Lake	2,000	4,000	0	0	0	0	0	0
284-20.04	Southwest Bight	0	0	0	0	3,100	6,585	0	0
284-20.03	Verskin's Bight (McGinty's Creek)	0	0	0	0	16,000	28,800	0	0
284-20.01	Sandy Cove	0	0	0	0	15,000	27,000	6,000	10,200
284-11.01	Near Egg Island Stream	0	0	0	0	4,000	11,668	300	510
284-12.13	Little John Lagoon	0	0	0	0	2,400	4,320	4,000	6,800
284-12.12	Little John Sand Spit	0	0	0	0	0	0	100	170
284-12.11	Cannery Creek	0	0	0	0	100	180	0	0
284-12.05	Middle Lagoon	5,500	11,000	0	0	0	0	0	0
284-12.01	Hansen's Creek	3,200	6,400	0	0	12,800	27,174	0	0
284-60.08	Deadman's Cove	1,500	3,000	0	0	85,000	153,000	0	0
284-60.07	Whalebone Bay	1,300	2,600	0	0	0	0	0	0
284-60.06	Sankin Bay	0	0	0	0	3,500	6,300	0	0
284-60.05	Whirl Point	0	0	0	0	3,400	6,120	0	0

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Table 44. (page 14 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
284-60.04	Ikatan River	0	0	0	0	5,800	10,440	500	850
284-60.03	Swede's Lake	400	800	0	0	300	2,400	0	0
284-60.01	Ikatan Point	0	0	0	0	20,800	37,440	0	0
Southwestern District Total		44,440	88,880	17,100	41,040	682,900	1,466,610	75,300	162,923
UNIMAK DISTRICT									
285-50.00	Dora Harbor Left	0	0	0	0	400	720	0	0
285-40.09	Otter Cove North	0	0	0	0	10,100	18,180	0	0
285-40.08	Otter Cove South	0	0	0	0	4,700	8,460	100	170
285-40.05	Lazaref River	Not Surveyed							
285-10.	Sanak Village	Not Surveyed							
285-10.	Sanak Is. W.	Not Surveyed							
285-10.	Washwomen Creek	Not Surveyed							
285-10.??	Dodd's Bay E.	Not Surveyed							

-Continued-

Table 44. (page 15 of 15)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
285-10.	Sandy Bay	Not Surveyed							
285-10.	Salmon Bay	Not Surveyed							
Unimak District Total		0	0	0	0	15,200	27,360	100	170
South Peninsula Total		54,120	120,418	17,750	41,690	1,729,720	3,488,476	285,181	525,974

[a] See Orzinski (Orzenoi) Lake weir counts and total escapement; the highest daily weir count was used for the peak count.

A fifteen day average stream life was used for all pink and chum salmon escapements.

For all pink and chum salmon escapements with only a peak count or where the computed value was less than the peak count, an expansion factor of 1.8 was used for pink salmon, and 1.7 for chum salmon. The values were derived from the ratio of peak count to total estimated escapement for streams where ascending, peak count, and descending counts were available.

Sockeye salmon escapements were estimated by an expansion factor of 1.25 for Acheredin Lake, Baralof Bay, and Mino Creek. All other sockeye salmon escapements were estimated by an expansion factor of 2.0. Coho salmon escapements were estimated by an expansion factor of 2.4.

Table 45. South Peninsula sockeye indexed total escapements by section, 1962-1992[a].

Year	Northwest Stepovak	Shumagin Islands	Mino Creek-Little Coal Bay	Pavlof Bay	Canoe Bay	Cold Bay	Thin Point	Morzhovoi Bay	Ikatan Bay
1962	5,000	4,000	100	(500)	200	-	-	-	-
1963	7,600	2,700	100	(500)	0	-	-	-	-
1964	5,800	700	0	900	0	-	-	-	-
1965	6,000	2,100	0	1,500	0	-	-	-	-
1966	10,000	900	100	200	0	-	-	-	-
1967	6,200	4,000	0	400	0	-	-	-	-
1968	3,600	2,400	0	400	0	2,300	2,200	1,500	400
1969	19,200	1,600	200	500	0	5,200	2,100	500	200
1970	4,600	4,400	500	1,400	300	1,000	1,100	(2,500)	700
1971	11,100	2,800	500	1,300	0	900	1,300	200	1,300
1972	6,500	2,000	0	400	0	1,100	1,300	200	400
1973	1,200	1,000	0	500	0	1,500	700	400	1,000
1974	61,500	7,900	0	200	200	3,500	16,000	5,300	1,000
1975	22,300	11,600	500	1,600	1,600	5,000	6,100	2,200	800
1976	29,700	7,500	1,000	2,800	300	4,900	20,500	1,700	1,300
1977	17,000	9,200	2,000	4,500	500	7,600	17,700	3,800	2,600
1978	22,200	9,000	2,700	2,100	1,500	14,700	7,400	2,600	(2,600)
1979	20,000	13,000	200	1,100	1,500	7,800	6,900	700	2,100
1980	12,000	6,300	1,100	1,000	5,500	4,800	12,000	1,300	1,000
1981	18,000	4,000	500	5,500	2,000	5,600	7,500	1,200	1,400
1982	9,100	10,000	800	1,000	1,000	2,600	8,800	4,200	1,700
1983	21,500	10,000	1,600	1,100	5,000	8,000	6,500	3,700	1,800
1984	18,600	10,600	100	700	9,000	6,600	7,000	500	1,800
1985	14,000	7,800	500	900	1,000	5,000	4,600	2,100	3,900
1986	10,500	6,800	100	1,500	2,700	1,800	12,400	5,500	1,800
1987	11,400	2,000	500	1,200	1,300	7,800	8,700	7,000	2,100
1988	19,300	3,100	600	1,900	1,500	9,500	23,500	7,300	2,300
1989	16,700	7,300	600	800	1,100	5,900	21,500	14,300	3,000
1990	15,000	5,900	1,200	1,000	600	6,600	15,000	40,900	1,700
1991	40,000	4,800	1,400	500	2,000	10,400	35,800	18,800	4,400
1992	25,000	1,700	800	2,400	400	11,100	32,600	12,500	4,100

[a]Figures in parenthesis are extrapolated estimates.

Table 46. South Peninsula pink salmon indexed total escapements by section, 1962-1992[a].

Year	Stepovak Flats & East Stepovak	Northwest and Southwest Stepovak	Balboa Bay	Shumagin Islands	Beaver Bay	Mino Creek-Little Coal Bay
1962	48,000	122,300	(24,500)	112,900	(17,500)	278,700
1963	87,000	197,000	53,800	52,000	21,700	290,100
1964	35,000	155,300	25,200	125,400	30,500	316,000
1965	100,000	160,700	32,000	50,900	8,400	255,100
1966	107,000	191,500	(70,000)	(83,000)	(10,000)	108,600
1967	53,200	67,000	25,100	32,000	1,800	73,000
1968	25,000	(75,000)	63,600	51,200	(8,000)	96,200
1969	180,000	369,300	187,200	112,900	29,400	484,900
1970	59,000	273,900	38,700	166,500	(15,000)	173,400
1971	15,700	101,200	13,600	32,000	(12,000)	190,100
1972	1,300	20,900	1,100	9,900	0	13,200
1973	9,500	17,500	(6,000)	12,000	(500)	21,500
1974	4,100	41,400	7,500	(40,000)	(6,000)	28,000
1975	20,000	110,000	8,000	52,200	2,500	90,400
1976	30,000	204,600	42,500	331,000	(14,000)	116,900
1977	101,400	360,000	92,700	299,600	82,500	662,000
1978	77,000	449,200	108,200	199,600	60,500	498,100
1979	40,000	302,400	133,600	(131,400)	65,700	648,100
1980	56,800	344,100	77,700	133,600	32,400	297,500
1981	78,800	460,000	82,000	89,600	53,600	700,000
1982	25,000	313,400	50,000	140,000	50,000	419,200
1983	42,700	115,300	27,300	51,700	4,000	160,400
1984	101,000	418,100	135,100	165,800	49,200	876,800
1985	34,200	216,300	34,500	125,600	23,300	380,200
1986	50,700	222,000	41,200	176,000	9,400	239,700
1987	89,100	290,500	58,100	174,700	48,800	321,700
1988	79,300	450,400	82,200	257,200	47,800	248,900
1989	85,900	189,200	74,400	115,000	68,000	453,400
1990	69,600	186,100	74,700	154,000	7,200	224,100
1991	168,500	366,200	111,400	274,700	28,000	921,900
1992	(159,200)	311,500	112,800	312,500	(28,900)	333,600

Year	Pavlof Bay	Canoe Bay	Volcano Bay	Belkofski Bay	Deer Island	Cold Bay
1962	213,200	9,000	5,000	95,300	229,100	(7,000)
1963	158,900	26,000	7,200	150,200	225,300	9,700
1964	205,000	(10,000)	5,100	(85,000)	201,000	24,500

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Table 46. (page 2 of 3)

Year	Pavlof Bay	Canoe Bay	Volcano Bay	Belkofski Bay	Deer Island	Cold Bay
1965	158,600	24,200	21,000	53,000	135,900	7,000
1966	55,200	2,100	0	30,000	32,600	13,300
1967	62,600	12,600	21,000	72,000	15,600	300
1968	132,600	76,500	(7,200)	54,000	67,000	97,600
1969	438,500	104,000	115,000	244,000	185,100	4,000
1970	186,500	94,900	10,500	65,800	120,500	29,200
1971	76,200	47,200	13,500	58,100	136,700	200
1972	29,400	6,000	7,000	8,000	7,000	1,100
1973	10,000	8,700	7,300	6,300	7,100	200
1974	106,800	4,800	3,000	10,100	16,100	8,200
1975	68,900	5,800	70,000	58,600	56,100	1,100
1976	267,000	78,000	117,600	109,600	47,800	50,100
1977	442,300	129,000	137,500	239,200	101,200	8,300
1978	395,700	178,000	193,800	221,200	184,000	76,900
1979	543,100	260,800	60,000	139,200	256,100	5,900
1980	425,200	43,100	56,200	230,200	350,200	49,600
1981	325,000	86,000	107,000	163,600	107,500	7,900
1982	462,300	73,300	41,900	106,300	157,700	95,100
1983	172,500	65,300	26,200	50,900	89,400	11,100
1984	708,800	72,000	143,600	207,000	446,000	143,200
1985	378,500	36,700	24,200	82,100	206,300	7,100
1986	403,800	42,600	78,800	111,600	181,500	29,900
1987	282,300	39,200	19,800	50,400	137,400	7,000
1988	390,000	80,700	127,500	250,100	482,000	33,900
1989	183,200	10,300	37,200	104,500	401,100	86,100
1990	262,800	39,700	56,500	132,000	218,000	37,200
1991	366,100	31,600	51,600	102,900	317,700	52,800
1992	482,600	40,000	145,400	192,300	400,800	38,000

Year	Thin Point	Morzohovoi Bay	Ikatan Bay	Unimak District	Bechevin[b] Bay
1962	31,300	63,000	170,000	172,000	4,000
1963	(4,000)	15,000	(10,000)	(10,000)	4,400
1964	39,400	(41,000)	(110,000)	27,500	(15,000)
1965	13,700	6,100	5,000	3,800	900
1966	5,900	2,000	3,900	4,300	1,300
1967	5,100	2,500	700	(1,000)	500
1968	9,400	14,000	29,000	17,000	25,000
1969	14,700	1,000	3,500	1,400	2,100

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Table 46. (page 3 of 3)

Year	Thin Point	Morzohovoi Bay	Ikatan Bay	Unimak District	Bechevin[b] Bay
1970	7,900	9,300	25,000	22,800	11,100
1971	3,600	800	1,500	300	8,400
1972	1,100	3,700	1,500	200	1,200
1973	4,000	(200)	0	(0)	(200)
1974	1,600	300	2,500	(4,000)	(23,000)
1975	5,200	2,100	1,000	200	500
1976	6,000	13,400	10,900	(17,000)	37,200
1977	5,100	8,100	9,500	400	6,200
1978	15,700	90,000	75,000	35,800	90,400
1979	6,000	9,000	24,400	3,800	9,300
1980	53,000	76,500	320,500	95,000	94,000
1981	18,200	9,500	17,300	800	5,700
1982	34,900	48,000	187,900	88,000	51,500
1983	15,700	4,400	13,500	800	3,900
1984	77,000	16,500	199,000	52,900	33,300
1985	30,300	8,500	10,500	15,900[c]	1,400
1986	39,700	14,800	58,500	16,400[c]	12,600
1987	7,500	2,900	5,800	5,300	1,100
1988	55,600	21,600	103,900	18,500	26,700
1989	36,400	10,200	6,800	(9,400)	0
1990	38,700	14,700	66,400	16,700[c]	21,800
1991	84,000	13,600	26,700	4,200	1,200
1992	45,900	31,800	159,600	20,600	49,400

[a] Figures in parenthesis are extrapolated estimates

[b] Bechevin Bay is considered part of the North Peninsula.

[c] Includes Sanak Island, which accounted for 15,500, 5,400, and 5,700 during 1985, 1986 and 1990 respectively.

Table 47. South Peninsula chum salmon indexed total escapments by section, 1962-1992[a].

Year	Stepovak Flats & East Stepovak	Northwest and Southwest Stepovak	Balboa Bay	Shumagin Islands	Beaver Bay	Mino Creek-Little Coal Bay
1962	12,000	14,000	(43,700)	10,000	(6,000)	16,900
1963	29,400	71,900	43,900	1,200	0	300
1964	18,000	17,500	24,200	100	4,500	1,500
1965	60,000	23,500	29,900	1,100	200	100
1966	110,000	33,300	(100,000)	0	0	2,000
1967	15,700	5,500	27,100	1,100	3,300	0
1968	23,000	(11,100)	31,600	3,700	(6,500)	800
1969	6,000	9,400	16,400	2,400	9,800	0
1970	25,000	24,700	29,900	0	(15,000)	100
1971	56,100	49,900	26,500	300	(20,000)	200
1972	19,000	20,300	15,100	6,600	5,500	0
1973	27,000	4,500	8,700	4,400	(7,500)	800
1974	25,000	11,000	8,200	(1,500)	9,600	400
1975	24,000	43,100	(9,000)	8,300	4,900	1,500
1976	20,000	19,300	43,100	10,100	(10,400)	0
1977	126,200	47,300	55,300	14,000	15,000	0
1978	74,000	76,900	53,300	26,000	7,000	500
1979	(50,000)	50,400	28,500	(5,000)	200	0
1980	26,100	44,300	28,300	1,100	19,000	0
1981	34,000	23,900	42,000	5,500	13,000	0
1982	20,000	26,900	14,000	3,000	10,000	0
1983	40,200	51,100	46,600	11,800	10,700	0
1984	54,200	42,400	35,700	56,300	62,400	0
1985	34,800	16,900	17,500	24,300	18,800	0
1986	44,300	38,700	33,300	1,500	9,900	0
1987	91,000	28,100	35,600	12,600	5,600	4,100
1988	21,000	20,700	23,300	7,600	12,000	2,000
1989	55,400	11,700	4,000	26,000	26,000	0
1990	40,000	34,600	18,500	12,000	8,900	400
1991	99,000	22,200	35,600	16,500	8,000	1,100
1992	(26,100)	21,900	11,300	18,200	(6,000)	0

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Table 47. (page 2 of 3)

Year	Pavlof Bay	Canoe Bay	Volcano Bay	Belkofski Bay	Deer Island	Cold Bay
1962	(26,500)	109,500	54,900	29,000	0	(13,000)
1963	(10,000)	106,300	17,900	104,600	0	46,400
1964	(25,000)	70,000	70,400	51,700	0	114,300
1965	(15,000)	73,500	6,300	7,000	0	10,400
1966	(20,000)	89,500	29,900	11,000	0	14,300
1967	(12,000)	68,100	19,100	21,000	0	5,500
1968	23,300	91,700	(8,700)	29,500	0	31,400
1969	(5,000)	47,900	2,000	10,000	0	20,100
1970	13,000	64,000	25,200	36,500	0	34,100
1971	(15,000)	31,100	24,100	65,500	0	25,600
1972	8,100	70,400	16,000	37,300	0	25,700
1973	19,500	58,500	16,000	34,400	0	11,600
1974	(22,000)	92,100	27,400	29,100	0	16,400
1975	8,200	61,200	11,500	4,800	0	8,200
1976	17,500	104,900	29,500	30,000	0	24,300
1977	60,100	183,000	76,000	60,300	0	85,000
1978	43,100	105,400	54,600	32,500	0	103,600
1979	(17,000)	151,600	41,500	17,800	0	17,300
1980	15,600	107,200	11,900	31,500	0	50,600
1981	13,600	102,500	30,400	34,900	0	50,400
1982	9,900	119,200	56,000	24,100	0	74,600
1983	12,000	156,500	37,700	16,900	0	33,500
1984	29,500	165,500	79,800	50,500	0	78,000
1985	22,300	150,100	49,300	31,100	0	75,200
1986	23,100	88,800	82,000	64,700	0	111,800
1987	43,000	109,200	69,900	57,400	0	89,100
1988	44,600	136,800	28,400	63,100	0	101,900
1989	18,200	71,300	15,600	27,900	0	61,000
1990	28,500	67,400	36,000	45,500	0	34,000
1991	34,900	128,000	72,300	29,600	0	101,300
1992	12,200	98,500	32,100	45,900	0	42,900

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Table 47. (page 3 of 3)

Year	Thin Point	Morzhovoi Bay	Ikatan Bay	Unimak District	Bechevin[b] Bay
1962	14,200	7,700	42,000	0	48,500
1963	(9,000)	4,800	(1,000)	(0)	22,300
1964	19,500	37,100	(1,000)	0	(16,000)
1965	500	500	0	0	(1,800)
1966	3,000	7,700	700	600	10,000
1967	600	3,700	200	(0)	15,400
1968	3,100	12,700	2,000	0	19,800
1969	200	5,200	0	200	8,000
1970	6,300	6,400	300	0	(5,600)
1971	8,600	20,000	300	0	5,900
1972	17,000	12,900	400	200	11,200
1973	10,900	8,000	200	(500)	(7,500)
1974	5,200	7,900	1,000	(500)	(6,100)
1975	800	7,800	0	0	17,300
1976	7,400	9,900	200	(600)	38,300
1977	26,300	25,300	0	1,100	54,300
1978	10,400	13,000	200	0	29,500
1979	17,500	12,000	1,800	500	12,400
1980	11,800	14,000	0	1,000	41,000
1981	19,500	11,500	0	100	29,600
1982	15,000	14,000	200	0	20,100
1983	21,300	7,700	500	0	15,500
1984	23,000	22,400	0	0	30,400
1985	44,000	19,200	0	0	21,900
1986	39,600	6,500	0	100	15,500
1987	51,300	23,400	0	400	34,700
1988	17,500	10,100	5,200	1,100	25,000
1989	10,000	3,900	2,500	500	9,100
1990	20,100	6,400	800	1,000	13,300
1991	23,000	12,400	(3,000)	600	28,600
1992	14,000	5,600	500	400	17,500

[a]Figures in parenthesis are extrapolated estimates

[b]Bechevin Bay is considered part of the North Peninsula.

Table 48. Shumagin Islands Section June test fish salmon catch, 1992.

Date	Set	Number of Adult Salmon						Sockeye To Chum Ratio
		Chinook	Sockeye	Coho	Pink	Chum	Total	
June 9	Popof Head	6	344	0	232	108	690	3.2 : 1.0
	Middle Set	0	213	0	91	90	394	2.4 : 1.0
	Red Bluff	8	294	0	249	66	617	4.5 : 1.0
	Average	5	284	0	191	88	567	3.2 : 1.0
	Total	14	851	0	572	264	1,701	3.2 : 1.0
June 10	Middle Set	2	75	0	46	177	300	0.4 : 1.0
	Red Bluff	6	186	0	135	144	471	1.3 : 1.0
	Average	4	131	0	91	161	386	0.8 : 1.0
	Total	8	261	0	181	321	771	0.8 : 1.0
June 11	Popof Head	12	204	0	88	517	821	0.4 : 1.0
	Middle Set	3	136	0	67	20	226	6.8 : 1.0
	Red Bluff	9	84	0	71	241	405	0.3 : 1.0
	Average	8	141	0	75	259	484	0.5 : 1.0
	Total	24	424	0	226	778	1,452	0.5 : 1.0
June 12	Popof Head	2	613	0	388	399	1,402	1.5 : 1.0
	Middle Set	1	335	0	46	171	553	2.0 : 1.0
	Red Bluff	9	385	0	388	240	1,022	1.6 : 1.0
	Average	4	444	0	274	270	992	1.6 : 1.0
	Total	12	1,333	0	822	810	2,977	1.6 : 1.0
June 13	Popof Head	1	2,884	0	707	878	4,470	3.3 : 1.0
	Middle Set	1	359	0	88	110	558	3.3 : 1.0
	Red Bluff	1	359	0	89	110	559	3.3 : 1.0
	Average	1	1,201	0	295	366	1,862	3.3 : 1.0
	Total	3	3,602	0	884	1,098	5,587	3.3 : 1.0

June 9: The average weight of sockeye salmon was 3.5 to 4 pounds.

June 10: Sets were only 12 minutes instead of the normal 20 minutes because all salmon were given away as subsistence fish. Only 2 sets were made due to a large ocean swell at Popof Head. Pink salmon size is large with many over 3 pounds.

June 11: Sockeye salmon range in weight from 2 to 7 pounds, chum from 3 to 12 pounds, and pink from 1.5 to 4 pounds.

June 12: Exact counts of adult pink salmon per set were not taken. A whale went through the net on the second set and made a large hole. Many of the chum salmon were water marked, their size ranged from 4 to 12 pounds. The average size of pink salmon seems to be smaller than in previous days.

June 13: Chum salmon size ranged from 2 to 10 pounds, with some salmon water marked and others were ocean bright, some pink were also beginning to water mark.

Table 49. South Unimak and Shumagin Islands June fishery regulation history, 1962-1992.

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	*Four 13 hour fishing periods per week	*Four 13 hour fishing periods per week.
	* Both fisheries were closed by emergency order during June 25-28 due to indications of the Bristol Bay run being below escapement requirements.	
1974	No fishery	No fishery
1975-83	*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	*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	*Same as during 1984-85 for both fisheries.	
1988-89	*6.8 of predicted Bristol Bay catch Windows	1.5% of predicted Bristol Bay catch Windows
	A 500,000 chum salmon ceiling placed on both fisheries combined.	

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Table 49. (page 2 of 2)

Dates	South Unimak	Shumagin Islands
*Each sockeye allocation is broken down into time period guideline harvest levels.		
June 1 - 11	5%	9%
June 12 - 18	29%	28%
June 19 - 25	51%	41%
June 26 - 30	15%	22%
	100%	100%

1990-91 The chum 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 deleted.

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 The chum ceiling was increased from 600,000 to 700,000 fish. The other regulations were the same as in effect for 1990 and 1991.

Table 50. Salmon gear on south side of Alaska Peninsula Area during June, 1976-1992[a].

Year	Purse Seine	Drift Gill Net	Set Gill Net
1976	25	94	16
1977	15	98	16
1978	22	106	17
1979	33	100	22
1980	51	123	24
1981	74	126	32
1982	85	126	33
1983	92	139	41
1984	104	143	52
1985	105	140	51
1986	102	153	50
1987	84	140	62
1988	89	147	63
1989	96	144	65
1990	109	153	65
1991	117	157	57
1992	112	141	71

[a] During the peak of the South Unimak-Shumagin Islands Section June fishery (June 12-25), approximately 30 - 40 seiners fish the Shumagin Islands Section. During the few occasions when South Unimak is open and the Shumagin Islands Section closed, nearly the entire purse seine fleet is at Unimak. Drift net effort declines after June 20 as the fleet begins moving to Port Moller.

Table 51. South Unimak and Shumagin Islands sockeye salmon harvests, 1911-1959.

Year	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
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

Table 52. South Unimak and Shumagin Islands June fisheries[a] sockeye and chum salmon harvest, 1960-1992.

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	116,000	36,000	36,000	117,000
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	1,530,000	153,000	1,683,000	403,000	49,000	452,000
1971	565,000	45,000	610,000	554,000	115,000	669,000
1972	443,000	76,000	519,000	468,000	108,000	576,000
1973	239,000	23,000	263,000	189,000	23,000	212,000
1974	NF	NF	NF	NF	NF	NF
1975	190,000	49,000	239,000	65,000	36,000	101,000
1976	235,000	72,000	307,000	327,000	74,000	401,000
1977	193,000	46,000	239,000	93,000	22,000	115,000
1978	419,000	68,000	487,000	105,000	18,000	123,000
1979	683,000	179,000	862,000	64,000	41,000	105,000
1980	2,731,000	572,000	3,303,000	457,000	71,000	528,000
1981	1,474,000	351,000	1,825,000	521,000	54,000	575,000
1982	1,670,000	451,000	2,121,000	934,000	160,000	1,094,000
1983	1,545,000	416,000	1,961,000	615,000	169,000	784,000
1984	1,131,000	257,000	1,388,000	228,000	109,000	337,000
1985	1,495,000	367,000	1,862,000	345,000	134,000	479,000
1986	314,000	156,000	470,000	252,000	99,000	351,000
1987	652,000	141,000	793,000	406,000	37,000	443,000
1988	474,000	282,000	756,000	465,000	62,000	527,000
1989	1,348,000	397,000	1,745,000	408,000	48,000	456,000
1990	1,091,000	256,000	1,347,000	455,000	64,000	519,000
1991	1,216,000	333,000	1,549,000	669,000	103,000	772,000
1992	2,046,000	412,000	2,458,000	324,000	102,000	426,000

[a]The South Unimak figures include some early July catches.

Table 53. South Unimak and Shumagin Islands June salmon harvest, in number of fish, by species, 1975-1992.

	Number of Salmon					
Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1975	0	239,000	0	5,000	101,000	345,000
1976	2,000	307,000	0	24,000	401,000	734,000
1977	1,000	239,000	0	5,000	115,000	360,000
1978	1,000	487,000	0	90,000	123,000	701,000
1979	1,000	862,000	0	163,000	105,000	1,131,000
1980	3,000	3,303,000	1,000	1,607,000	528,000	5,442,000
1981	6,000	1,825,000	0	461,000	575,000	2,867,000
1982	7,000	2,121,000	2,000	1,724,000	1,094,000	4,948,000
1983	13,000	1,961,000	0	55,000	784,000	2,813,000
1984	4,000	1,388,000	0	939,000	337,000	2,668,000
1985	6,000	1,862,000	2,000	109,000	479,000	2,458,000
1986	2,000	470,000	0	291,000	351,000	1,114,000
1987	5,000	793,000	0	17,000	443,000	1,258,000
1988	4,000	756,000	0	219,000	527,000	1,506,000
1989	3,000	1,745,000	0	199,000	456,000	2,403,000
1990	10,000	1,347,000	0	515,000	519,000	2,391,000
1991	4,000	1,549,000	0	619,000	771,000	2,943,000
1992	4,000	2,458,000	0	642,000	426,000	3,530,000

Table 54. South Unimak and Shumagin Islands June fisheries, in thousands of fish, sockeye to chum ratios, 1960-1992.

	SOUTH UNIMAK			SHUMAGIN ISLANDS			TOTAL		
Year	Sockeye	Chum	Sockeye/ Chum	Sockeye	Chum	Sockeye/ Chum	Sockeye	Chum	Sockeye/ Chum
1960	137	84	1.63	19	11	1.73	156	95	1.64
1961	199	157	1.26	55	36	1.52	254	193	1.32
1962	272	209	1.30	54	61	.88	326	270	1.21
1963	116	81	1.43	33	36	.91	149	117	1.27
1964	159	161	0.99	85	67	1.27	244	228	1.07
1965	568	121	4.69	207	45	4.60	775	166	4.67
1966	528	215	2.46	54	17	3.18	582	232	2.51
1967	186	73	2.55	69	51	1.35	255	124	2.06
1968	342	115	2.97	233	51	4.57	575	166	3.46
1969	781	254	3.07	76	13	5.85	857	267	3.21
1970	1,530	403	3.80	153	49	3.12	1,683	452	3.72
1971	565	554	1.02	45	115	0.39	610	669	0.91
1972	443	468	0.95	76	108	0.70	519	576	0.90
1973	239	189	1.26	23	23	1.00	263	212	1.24
1974	NF	NF	-	NF	NF	-	NF	NF	-
1975	190	65	2.92	49	36	1.36	239	101	2.37
1976	235	327	0.72	72	74	0.97	307	401	0.77
1977	193	93	2.08	46	22	2.09	239	115	2.08
1978	419	105	3.99	68	18	3.78	487	123	3.96
1979	683	64	10.67	179	41	4.37	862	105	8.21
1980	2,731	457	5.98	572	71	8.06	3,303	528	6.26
1981	1,474	521	2.83	351	54	6.50	1,825	575	3.17
1982	1,670	934	1.79	451	160	2.82	2,121	1,094	1.94
1983	1,545	615	2.51	416	169	2.46	1,961	784	2.50
1984	1,131	228	4.96	257	109	2.36	1,388	337	4.12
1985	1,495	345	4.33	367	134	2.74	1,862	479	3.89
1986	314	252	1.25	156	99	1.58	470	351	1.34
1987	652	406	1.61	141	37	3.81	793	443	1.79
1988	474	465	1.02	282	62	4.55	756	527	1.43
1989	1,348	408	3.30	397	48	8.27	1,745	456	3.83
1990	1,091	455	2.40	256	64	4.00	1,347	519	2.60
1991	1,216	669	1.82	333	103	3.23	1,549	772	2.01
1992	2,046	324	6.31	412	102	4.04	2,458	426	5.77

Table 55. South Unimak and Shumagin Islands June fisheries, sockeye per chum salmon ratio by gear type, 1980-1992.

	SOUTH UNIMAK				SHUMAGIN ISLANDS		
Year	Purse Seine	Drift Gillnet	Set Gillnet	Total	Purse Seine	Set Gillnet	Total
1980	5.8	6.7	54.2	6.0	8.0	9.0	8.1
1981	2.3	3.7	21.4	2.8	6.2	25.5	6.5
1982	2.1	1.5	11.1	1.8	2.8	6.7	2.8
1983	2.3	2.9	12.8	2.5	2.4	16.3	2.5
1984	5.2	4.4	36.4	5.0	2.2	19.2	2.4
1985	6.4	2.8	13.2	4.3	2.7	4.3	2.7
1986	1.3	1.2	6.7	1.2	1.4	4.7	1.6
1987	1.5	1.6	5.2	1.6	3.1	13.2	3.8
1988	0.9	1.0	5.2	1.0	4.1	5.6	4.6
1989	3.8	2.7	12.8	3.3	8.1	11.9	8.4
1990[a]	2.4	2.4	9.3	3.5	3.7	8.6	4.0
1991[a]	1.6	2.1	6.5	1.8	2.8	9.5	3.2
1992[a]	5.8	6.6	23.3	6.3	3.8	9.9	4.0
Average	3.2	3.0	16.8	3.2	3.9	11.1	4.2

[a] Gear depth limitations in effect.

Table 56. South Unimak and Shumagin Islands June fisheries, composition of sockeye and chum salmon harvests in percent by gear type, 1977-1992.

	South Unimak						Shumagin Islands			
	Sockeye			Chum			Sockeye		Chum	
Year	Seine	Drift Gillnet	Set Gillnet	Seine	Drift Gillnet	Set Gillnet	Seine	Set Gillnet	Seine	Set Gillnet
1977	15.0	84.5	0.5	10.8	89.0	0.2	94.9	5.1	99.0	1.0
1978	18.1	81.4	0.5	9.9	90.0	0.1	97.2	2.8	96.3	3.7
1979	71.0	28.8	0.2	31.0	68.9	0.1	92.4	7.6	95.7	4.3
1980	76.0	23.5	0.5	79.0	20.9	0.1	96.4	3.6	96.7	3.3
1981	51.0	46.9	2.1	64.0	35.7	0.3	94.8	5.2	98.7	1.3
1982	54.0	44.8	1.2	46.0	53.8	0.2	97.3	2.7	98.9	1.1
1983	60.0	39.3	0.7	66.0	33.9	0.1	97.4	2.6	99.6	0.4
1984	64.0	35.0	1.0	60.0	39.9	0.2	94.7	5.3	99.3	0.7
1985	62.0	37.3	0.7	42.0	57.8	0.2	95.2	4.8	97.0	3.0
1986	46.7	51.7	1.6	43.8	55.9	0.3	85.0	15.0	95.0	5.0
1987	36.5	61.4	2.1	38.4	60.9	0.7	75.5	24.5	93.0	7.0
1988	29.8	67.0	3.2	33.6	65.8	0.6	62.8	37.2	69.7	30.3
1989	59.4	38.1	2.5	52.1	47.3	0.6	90.9	9.1	93.6	6.4
1990	56.8	41.5	1.7	57.9	41.7	0.4	85.3	14.7	93.1	6.9
1991	53.5	44.4	2.1	61.1	38.3	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
Average	50.8	47.7	1.5	47.4	52.2	0.4	89.5	10.5	94.7	5.3

Table 57. South Unimak and Shumagin Islands June fisheries, sockeye allocations vs. actual harvest and allocations if Bristol Bay runs were perfectly forecasted, 1975-1992.

Year	S. Unimak-Shumagin Islands Guideline Harvest Level (GHL)	Actual S. Unimak-Shumagin Is. Harvest	Actual Bristol Bay Harvest	Combined Bristol Bay & S. Unimak-Shumagin Harvest	S. Unimak-Shumagin GHL % of Combined Bristol Bay & S. Unimak-Shumagin Harvest[a]	S. Unimak-Shumagin Is. Harvest % of Combined Bristol Bay-S. Unimak Harvest[a]	S. Unimak-Shumagin Is. GHL if Actual Bristol Bay Harvest Was Forecasted[a]
1975	215,000	239,000	4,899,000	5,138,000	4.18	4.65	426,000
1976	425,000	307,000	5,619,000	5,926,000	7.17	5.18	492,000
1977	237,000	239,000	4,878,000	5,117,000	4.63	4.67	425,000
1978	522,000	487,000	9,928,000	10,415,000	5.01	4.68	864,000
1979	1,100,000	862,000	21,429,000	22,291,000	4.93	3.87	1,850,000
1980[b]	3,068,000	3,303,000	23,762,000	27,065,000	11.34	12.20	2,246,000
1981	1,760,000	1,825,000	25,603,000	27,428,000	6.42	6.65	2,277,000
1982	2,258,000	2,121,000	15,104,000	17,225,000	13.11	12.31	1,430,000
1983	1,793,000	1,961,000	37,372,000	39,333,000	4.55	4.99	3,265,000
1984	1,356,000	1,389,000	24,710,000	26,099,000	5.20	5.32	2,166,000
1985	1,685,000	1,862,000	23,703,000	25,565,000	6.59	7.28	2,122,000
1986[c]	1,107,000	470,000	15,776,000	16,246,000	6.81	2.89	1,348,000
1987	775,000	793,000	16,069,000	16,862,000	4.60	4.70	1,400,000
1988[c]	1,542,000	756,000	14,005,000	14,761,000	10.45	5.12	1,225,000
1989	1,463,000	1,745,000	28,710,000	30,455,000	4.80	5.73	2,528,000
1990	1,327,000	1,347,000	33,165,000	34,512,000	3.85	3.90	2,864,000
1991[c,d]	1,920,000	1,549,000	26,233,000	27,782,000	6.91	5.58	2,306,000
1992[d]	2,391,000	2,458,000	31,967,000	34,425,000	6.95	7.14	2,857,000

a The figures below were calculated by adding the actual Bristol Bay sockeye harvest and the South Unimak-Shumagin Islands June sockeye harvest together and determining or applying the appropriate percentages. The calculations are slightly high as not all sockeye caught at South Unimak and the Shumagin Islands are destined for Bristol Bay.

b 1980 Bristol Bay sockeye catch would have been much larger had it not been for a lengthy strike.

c These sockeye allocations were not reached largely, if not totally, due to a chum cap.

d Bristol Bay catch figures are preliminary.

Table 58. South Unimak June sockeye allocations vs. actual harvest and allocations if Bristol Bay runs were perfectly forecasted, 1975-1992.

Year	S. Unimak Guideline Harvest Level (GHL)	Actual S. Unimak Harvest	Actual Bristol Bay Harvest	Combined Bristol Bay & S. Unimak-Shumagin Harvest	S. Unimak GHL % of Combined Bristol Bay & S. Unimak-Shumagin Harvest[a]	S. Unimak Harvest % of Combined Bristol Bay-S. Unimak Harvest[a]	S. Unimak GHL if Actual Bristol Bay Harvest Was Forecasted[a]
1975	165,000	190,000	4,899,000	5,138,000	3.21	3.70	349,000
1976	350,000	235,000	5,619,000	5,926,000	5.91	3.97	403,000
1977	195,000	193,000	4,878,000	5,117,000	3.81	3.77	348,000
1978	428,000	419,000	9,928,000	10,415,000	4.11	4.02	708,000
1979	900,000	683,000	21,429,000	22,291,000	4.04	3.06	1,516,000
1980[b]	2,513,000	2,731,000	23,762,000	27,065,000	9.29	10.09	1,840,000
1981	1,442,000	1,474,000	25,603,000	27,428,000	5.26	5.37	1,865,000
1982	1,850,000	1,670,000	15,104,000	17,225,000	10.74	9.69	1,171,000
1983	1,469,000	1,545,000	37,372,000	39,333,000	3.73	3.93	2,675,000
1984	1,111,000	1,132,000	24,710,000	26,099,000	4.26	4.34	1,775,000
1985	1,380,000	1,495,000	23,703,0000	25,565,000	5.40	5.84	1,738,000
1986[c]	907,000	314,000	15,776,000	16,246,000	5.58	1.93	1,105,000
1987	635,000	652,000	16,069,000	16,862,000	3.77	3.87	1,147,000
1988[c]	1,263,000	474,000	14,005,000	14,761,000	8.56	3.21	1,004,000
1989	1,199,000	1,348,000	28,710,000	30,455,000	3.94	4.43	2,071,000
1990	1,087,000	1,091,000	33,165,000	34,512,000	3.15	3.16	2,347,000
1991[c,d]	1,573,000	1,216,000	26,233,000	27,782,000	5.66	4.38	1,889,000
1992[d]	1,959,000	2,046,000	31,967,000	34,425,000	5.69	5.94	2,341,000

[a] The figures below were calculated by adding the actual Bristol Bay sockeye harvest and the South Unimak-Shumagin Islands June sockeye harvest together and determining or applying the appropriate percentages. The calculations are slightly high as not all sockeye caught at South Unimak and the Shumagin Islands are destined for Bristol Bay.

[b] 1980 Bristol Bay sockeye catch would have been much larger had it not been for a lengthy strike.

[c] These sockeye allocations were not reached largely, if not totally, due to a chum cap.

[d] Bristol Bay catch figures are preliminary.

Table 59. Shumagin Islands June sockeye allocations vs. actual harvest and allocations if Bristol Bay runs were perfectly forecasted, 1975-1992.

Year	Shumagin Islands Guideline Harvest Level (GHL)	Actual Shumagin Is. Harvest	Actual Bristol Bay Harvest	Combined Bristol Bay & S. Unimak-Shumagin Harvest	Shumagin GHL % of Combined Bristol Bay & S. Unimak-Shumagin Harvest[a]	Shumagin Is. Harvest % of Combined Bristol Bay-S. Unimak Harvest[a]	Shumagin Is. GHL if Actual Bristol Bay Harvest Was Forecasted[a]
1975	50,000	49,000	4,899,000	5,138,000	0.97	0.95	77,000
1976	75,000	72,000	5,619,000	5,926,000	1.27	1.21	89,000
1977	42,000	46,000	4,878,000	5,117,000	0.82	0.90	77,000
1978	94,000	68,000	9,928,000	10,415,000	0.90	0.65	156,000
1979	200,000	179,000	21,429,000	22,291,000	0.90	0.80	334,000
1980[b]	555,000	572,000	23,762,000	27,065,000	2.06	2.11	406,000
1981	318,000	351,000	25,603,000	27,428,000	1.16	1.28	411,000
1982	408,000	451,000	15,104,000	17,225,000	2.37	2.62	258,000
1983	324,000	416,000	37,372,000	39,333,000	0.82	1.06	590,000
1984	245,000	257,000	24,710,000	26,099,000	0.94	0.98	391,000
1985	305,000	367,000	23,703,000	25,565,000	1.19	1.44	383,000
1986[c]	200,000	156,000	15,776,000	16,246,000	1.23	0.96	244,000
1987	140,000	141,000	16,069,000	16,862,000	0.83	0.84	253,000
1988[c]	279,000	282,000	14,005,000	14,761,000	1.89	1.91	221,000
1989	264,000	397,000	28,710,000	30,455,000	0.87	1.30	457,000
1990	240,000	256,000	33,165,000	34,512,000	0.70	0.74	518,000
1991[c,d]	347,000	333,000	26,233,000	27,782,000	1.25	1.20	417,000
1992[d]	432,000	412,000	31,967,000	34,425,000	1.25	1.20	516,000

[a] The figures below were calculated by adding the actual Bristol Bay sockeye harvest and the South Unimak-Shumagin Islands June sockeye harvest together and determining or applying the appropriate percentages. The calculations are slightly high as not all sockeye caught at South Unimak and the Shumagin Islands are destined for Bristol Bay.

[b] 1980 Bristol Bay sockeye catch would have been much larger had it not been for a lengthy strike.

[c] These sockeye allocations were not reached largely, if not totally, due to a chum cap.

[d] Bristol Bay catch figures are preliminary.

Table 60. South Unimak and Shumagin Islands sockeye and chum salmon daily catches, all gear combined, 1992.

	South Unimak		Shumagin Islands[a]	
	Sockeye	Chum	Sockeye	Chum
June 1 -12	Closed to Commercial Salmon Fishing			
13				
14				
15	223,441	26,333	90,174	26,485
16	143,426	22,302		
17	257,553	37,958	125,455	32,729
18	244,792	42,513		
19	370,704	58,778	149,017	34,015
20				
21	358,669	45,466	25,513	3,949
22	354,090	75,588		
23				
24				
25				
26	93,347	14,953	21,675	5,134
27				
28				
29				
30				
Total	2,046,022	323,891	411,834	102,312

[a]Does not include salmon harvested during test fishery.

Table 61. South Unimak June salmon harvest, in number of fish, by species, all gear combined, 1970-1992.

	Species					
Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	868	1,510,399	46	87,717	397,003	1,996,033
1971	549	422,760	0	11,608	405,311	840,228
1972	400	426,799	4	11,906	411,019	850,128
1973	145	222,586	11	11,152	177,720	411,614
1974	0	0	0	0	0	0
1975	101	190,774	1	3,205	65,279	259,360
1976	1,829	233,211	3	18,259	336,238	589,540
1977	393	195,680	0	3,397	94,215	293,685
1978	269	418,959	3	47,380	103,429	570,040
1979	578	672,293	38	49,000	63,153	785,062
1980	2,927	2,731,148	853	1,140,611	458,499	4,334,038
1981	4,455	1,470,563	83	325,004	509,911	2,310,016
1982	5,577	1,668,153	1,241	1,032,154	933,728	3,640,853
1983	8,186	1,547,369	493	40,441	616,390	2,212,879
1984	2,024	1,131,365	0	470,688	227,913	1,831,990
1985	4,101	1,454,969	2	69,811	324,825	1,853,708
1986	1,363	315,370	1	150,674	252,721	720,129
1987	4,017	653,536	380	11,342	406,077	1,075,352
1988	2,125	474,457	11	86,678	464,765	1,028,036
1989	2,263	1,347,547	0	154,168	407,635	1,911,613
1990	8,465	1,090,710	1	444,442	455,238	1,998,856
1991	3,066	1,216,035	5	500,922	670,409	2,390,437
1992	2,373	2,046,022	3	501,127	323,891	2,873,416
10 yr avg	3,798	1,127,738	90	243,029	414,986	1,789,642
20 yr avg	2,713	954,037	156	253,023	344,602	1,554,531
odd yr avg				107,277		
even yr avg				354,902		

Note: The 10 year average is from 1983-1992, the 20 year average is from 1973-1992, the odd year average includes odd number years from 1971-1991 and the even year average includes even number years from 1970-1992. These numbers do not include early July catches from those years where the June fishery was extended into early July.

Table 62. Shumagin Islands Section June salmon catch by species, all gear combined, 1970-1992.

	Species					
Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	148	139,735	2	19,728	44,909	204,522
1971	279	39,341	1	7,632	103,886	151,139
1972	242	74,398	16	6,018	107,810	188,484
1973	102	22,964	17	8,278	22,910	54,271
1974	0	0	0	0	0	0
1975	16	49,325	0	2,042	35,543	86,926
1976	305	72,016	0	5,643	74,109	152,073
1977	128	45,912	0	2,001	21,899	69,940
1978	267	67,876	0	42,562	18,479	129,184
1979	475	179,139	252	105,813	40,953	326,632
1980	266	475,127	0	385,695	50,366	911,454
1981	1,217	350,572	237	126,248	54,071	532,345
1982	1,554	450,548	0	686,671	161,316	1,300,089
1983	5,277	416,494	3	15,434	169,277	606,485
1984	1,830	256,838	14	449,188	109,207	817,077
1985	1,676	336,431	2,466	36,804	109,004	486,381
1986	532	156,027	1	141,315	99,048	396,923
1987	1,146	140,567	0	5,640	37,064	184,417
1988	1,939	282,230	244	93,546	61,946	439,905
1989	495	396,958	0	45,067	47,528	490,048
1990	1,870	255,649	0	70,855	63,517	391,891
1991	1,501	337,115	7	119,186	105,711	563,520
1992	1,387	416,653	1	142,221	104,245	664,507
10 yr avg	1,765	299,496	274	111,926	90,655	504,115
20 yr avg	1,099	235,422	162	124,210	69,310	430,203
odd yr avg				43,104		
even yr avg				183,974		

Note: The 10 year average is from 1983-1992, the 20 year average is from 1973-1992, the odd year average includes odd number years from 1971-1991 and the even year average includes even number years from 1970-1992.

Table 63. South Unimak and Shumagin Islands June fisheries number of fishing days and hours, 1976-1992.

Year	South Unimak		Shumagin Islands	
	Days	Hours	Days	Hours
1976	21	504	15	360
1977	11	264	21	504
1978	23	552	23	552
1979	33	792	28	672
1980	26	624	26	624
1981	24	576	20	480
1982	30	720	22	528
1983	11	264	10	228
1984	6	122	6	122
1985	9	144	9	140
1986	8	148	8	160
1987	10	202	5	76
1988	8	110	9	155
1989	6	84	5	72
1990	13	269	10	224
1991	8	156	5	88
1992	8	139	5	42.5

Table 64. Shumagin Islands Section July salmon test fish catch results, by set, date, and location, 1992.

		Number of Adult Salmon						Immature Salmon						
								Number					Percent	
Date	Set	Chinook	Sockeye	Coho	Pink	Chum	Total	Chinook	Sockeye	Coho	Chum	Total	Sockeye	Chum
July 10	Popof Head							10	26	0	18	54	48.1	33.3
	Middle Set							9	25	0	16	50	50.0	32.0
	Red Bluff							10	40	0	20	70	57.1	28.6
	Total	8	246	23	136	438	851	29	91	0	54	174	52.3	31.0
	Average/Set	3	82	8	45	146	284	10	30	0	18	58	52.3	31.0
July 11	Popof Head							7	82	0	39	128	64.1	30.5
	Middle Set							0	26	0	4	30	86.7	13.3
	Red Bluff							5	30	0	18	53	56.6	34.0
	Total	4	150	133	100	246	633	12	138	0	61	211	65.4	28.9
	Average/Set	1	50	44	33	82	211	4	46	0	20	70	65.4	28.9
July 15	Popof Head							0	8	0	3	11	72.7	27.3
	Popof Head							0	65	0	4	69	94.2	5.8
	Middle Set							0	675	0	75	750	90.0	10.0
	Red Bluff							0	77	0	8	85	90.6	9.4
	Total	2	99	15	205	200	521	0	817	0	87	904	90.4	9.6
	Average/Set	1	25	4	51	50	130	0	272	0	29	301	90.4	9.6
July 16	Popof Head							47	1,015	0	118	1,180	86.0	10.0
	Red Bluff							38	684	0	38	760	90.0	5.0
	Cape Devine							28	296	0	76	400	74.0	19.0
	Total	14	320	208	86	218	846	113	1,995	0	232	2,340	85.3	9.9
	Average/Set	5	107	69	29	73	282	38	665	0	77	780	85.3	9.9
July 17	Popof Head							114	1,092	0	64	1,270	86.0	5.0
	Red Bluff							147	1,081	0	107	1,335	81.0	8.0
	Cape Devine							5	104	1	54	164	63.4	32.9
	Total	30	320	147	533	377	1,407	266	2,277	1	225	2,769	82.2	8.1
	Average/Set	10	107	49	178	126	469	89	759	0	75	923	82.2	8.1
July 19	Kelly Rock							0	2	0	0	2	100.0	0.0
	Popof Head							13	624	0	13	650	96.0	2.0
	Popof Head							50	2,400	0	50	2,500	96.0	2.0
	Red Bluff							0	15	0	0	15	100.0	0.0
	Elephant							8	272	0	120	400	68.0	30.0
	Total	20	269	306	421	468	1,484	71	3,313	0	183	3,567	92.9	5.1
	Average/Set	4	54	61	84	94	297	14	663	0	37	713	92.9	5.1
July 20	Elephant	0	10	0	50	0	60	0	9	0	1	10	90.0	10.0

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Table 64. (page 2 of 3)

Date	Set	Number of Adult Salmon						Immature Salmon						
								Number					Percent	
		Chinook	Sockeye	Coho	Pink	Chum	Total	Chinook	Sockeye	Coho	Chum	Total	Sockeye	Chum
July 21	Popof Head							92	1,587	0	321	2,000	79.4	16.1
	Red Bluff							34	615	0	102	751	81.9	13.6
	Elephant							0	9	0	1	10	90.0	10.0
	Total	18	221	430	915	529	2,113	126	2,211	0	424	2,761	80.1	15.4
	Average/Set	6	74	143	305	176	704	42	737	0	141	920	80.1	15.4
July 22	Popof Head							60	270	0	270	600	45.0	45.0
	Red Bluff							28	70	0	42	140	50.0	30.0
	Red Bluff							10	171	0	171	352	48.6	48.6
	Total	10	205	606	1,047	702	2,570	98	511	0	483	1,092	46.8	44.2
	Average/Set	3	68	202	349	234	857	33	170	0	161	364	46.8	44.2
July 24	Popof Head							26	437	0	22	485	90.1	4.5
	Middle Set							15	238	4	4	261	91.2	1.5
	Middle Set							15	179	0	0	194	92.3	0.0
	Total	8	123	230	1,296	159	1,816	56	854	4	26	940	90.9	2.8
	Average/Set	3	41	77	432	53	605	19	285	1	9	313	90.9	2.8
July 25	Middle Set							8	213	0	21	242	88.0	8.7
	Middle Set							4	173	0	34	211	82.0	16.1
	Red Bluff							37	275	0	37	349	78.8	10.6
	Total	11	103	340	1,233	518	2,205	49	661	0	92	802	82.4	11.5
	Average/Set	4	34	113	411	173	735	16	220	0	31	267	82.4	11.5
July 26	Middle Set							10	92	0	83	185	49.7	44.9
	Middle Set							12	84	0	24	120	70.0	20.0
	Red Bluff							5	50	0	45	100	50.0	45.0
	Total	0	89	133	421	216	859	27	226	0	152	405	55.8	37.5
	Average/Set	0	30	44	140	72	286	9	75	0	51	135	55.8	37.5
July 27	Popof Head							24	85	0	24	133	63.9	18.0
	Middle Set							1	19	0	2	22	86.4	9.1
	Red Bluff							9	107	0	5	121	88.4	4.1
	Total	9	258	874	2,474	317	3,932	34	211	0	31	276	76.4	11.2
	Average/Set	3	86	291	825	106	1,311	11	70	0	10	92	76.4	11.2
July 29	Popof Head							4	17	0	13	34	50.0	38.2
	Middle Set							2	38	0	2	42	90.5	4.8
	Red Bluff							5	80	0	21	106	75.5	19.8
	Total			250	1,250		1,500	11	135	0	36	182	74.2	19.8
	Average/Set			83	417		500	4	45	0	12	61	74.2	19.8

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Table 64. (page 3 of 3)

July 10:	No immature jumpers observed, many pollock gilled at Red Bluff. Many mature, bullet shaped chum salmon, approximately 3 to 4 pounds were gilled with the smaller immature salmon.
July 11:	Several bullet shaped mature chum salmon weighing about 3 pounds were gilled during each set, these were not counted as immature salmon.
July 15:	No immature jumpers were observed. During the set that caught most of the immature salmon, most were caught in a 50 fathom length net during the tide change.
July 16:	Immature jumpers were observed during all sets.
July 17:	Unusual abundance of immature chinook salmon. Immature chinook and sockeye salmon were about the same size, chum salmon were somewhat larger.
July 19:	While few immature salmon were caught at Kelly Rock and Red Bluff these sites also produced the fewest mature salmon.
July 20:	High winds and ocean swell prevented test fishing.
July 21 & 22:	Many immature jumpers were observed at Popof Head.
July 25:	The second set was for 10 minutes, other sets were 20 minutes.
July 26:	Rough seas prevented test fishing at Popof Head.
July 27:	Many adult coho and pink salmon jumpers observed, also caught 1, 5 pound steelhead.
July 29:	With the Shumagin Islands Section opening to commercial fishing on short notice the skipper wanted to remain out on the grounds; the adult salmon were estimated and given to the fishermen in exchange for the charter costs.

Table 65. Estimated age composition of immature chinook salmon sampled from the Shumagin Islands Section test fishery, 1992.

			Ages	
Sample Dates	Sample Size		1.1	Total
July 10 to July 29	All Fish	65	100.0%	100.0%
	Males	30	100.0%	100.0%
	Females	35	100.0%	100.0%

Table 66. Estimated sex composition of immature chinook salmon sampled from the Shumagin Islands Section test fishery, 1992.

		Sample		
Sample Dates	Sample	Females	Males	Total
July 10 to July 29	Number	21	34	55
	Percent	38.2	61.8	100.0

Table 67. Estimated age composition of immature sockeye salmon sampled from the Shumagin Islands Section test fishery, 1992.

		Ages							
Sample Dates	Sample Size	0.1	0.2	1.1	1.2	2.1	2.2	3.1	Total
July 10 to July 29	All Fish 415	0.2%	0.5%	16.1%	2.4%	77.6%	1.7%	1.4%	100.0%
	Males 258	0.4%	0.0%	17.8%	1.9%	77.9%	0.4%	1.6%	100.0%
	Females 146	0.0%	1.4%	13.0%	3.4%	76.7%	4.1%	1.4%	100.0%

Table 68. Estimated sex composition of immature sockeye salmon sampled from the Shumagin Islands Section test fishery, 1992.

		Sample		
Sample Dates	Sample	Females	Males	Total
July 10 to July 29	Number	170	289	459
	Percent	37.0	63.0	100.0

Table 69. Estimated age composition of immature chum salmon sampled from the Shumagin Islands Section test fishery, 1992.

			Ages	
Sample Dates	Sample Size	0.1	0.2	Total
July 10 to July 29	All Fish 64	6.3%	93.8%	100.0%
	Males 29	6.9%	93.1%	100.0%
	Females 35	5.7%	94.3%	100.0%

Table 70. Estimated sex composition of immature chum salmon sampled from the Shumagin Islands Section test fishery, 1992.

		Sample		
Sample Dates	Sample	Females	Males	Total
July 10 to July 29	Number	38	34	72
	Percent	52.8	47.2	100.0

Table 71. Southeastern District Mainland harvest, all gears combined, season total by day, 1992.

Catch				Number of Salmon					
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	19	45	60	48	22,557	1	6	719	23,331
	20	26	27	11	9,542	1	0	308	9,862
	26	20	24	20	11,075	3	16	508	11,622
	27	50	77	23	38,155	2	39	1,622	39,841
	29	53	66	31	29,003	4	27	911	29,976
July	6	12	19	0	4,897	0	11	58	4,966
	7	11	31	2	6,325	0	62	52	6,441
	8	13	21	0	4,031	0	26	24	4,081
	9	15	20	5	5,185	0	64	48	5,302
	10	16	22	2	4,208	0	45	31	4,286
	11	14	22	3	5,467	1	117	43	5,631
	12	14	24	3	4,911	1	126	48	5,089
	13	13	20	3	5,108	8	156	453	5,728
	14	11	11	0	5,277	3	150	74	5,504
	15	13	20	1	7,288	9	272	87	7,657
	16	15	20	2	5,064	0	298	41	5,405
	17	15	24	0	6,468	0	235	33	6,736
	18	15	20	2	5,069	2	334	35	5,442
	19	16	22	3	8,219	39	890	3,212	12,363
	20	14	23	0	6,848	3	1,066	125	8,042
	21	14	18	1	4,090	1	1,013	47	5,152
	22	16	22	1	2,991	0	1,209	74	4,275
	23	14	15	3	2,586	19	4,141	7,329	14,078
	24	14	15	1	4,603	13	1,835	1,856	8,308
	25	14	21	5	6,477	25	3,801	2,891	13,199
	26	8	9	1	2,254	0	1,434	46	3,735
	27	64	69	57	18,249	7,092	100,751	19,924	146,073
	28	58	73	88	17,200	9,925	102,127	13,507	142,847
	29	35	49	6	10,012	1,500	34,323	5,665	51,506
	30	29	52	8	9,392	1,259	42,231	3,492	56,382
	31	28	44	48	7,725	2,669	57,896	3,718	72,056
Aug	1	35	45	122	9,567	3,944	109,180	6,504	129,317
	2	31	48	46	8,371	2,235	77,657	5,359	93,668
	5	29	38	0	1,314	302	47,459	959	50,034
	6	25	32	12	1,256	561	36,595	1,585	40,009
	7	24	30	16	2,162	3,512	53,327	6,276	65,293
	8	29	37	16	3,944	3,761	133,896	5,805	147,422
	11	22	23	9	4,054	1,329	87,907	3,548	96,847
	12	14	18	1	2,261	1,277	16,468	1,762	21,769
	13	20	30	10	4,909	3,056	79,570	3,684	91,229
Sept	1	19	21	1	970	1,502	104	487	3,064
	2	21	38	8	1,224	1,743	158	724	3,857
	3	8	8	2	257	371	13	60	703
	4	14	16	2	653	845	55	179	1,734
	7	14	14	4	518	712	0	109	1,343
	8	12	13	0	421	758	4	184	1,367
	9	11	11	2	397	925	0	205	1,529
	10	11	11	2	415	807	4	56	1,284
	11	11	11	0	569	1,042	0	63	1,674
	14	*	*	*	*	*	*	*	*
	15	8	8	0	945	1,065	0	86	2,096
	16	4	4	0	371	308	0	24	703
	17	6	6	0	324	369	0	16	709
	18	4	5	0	584	745	0	32	1,361
	21	3	3	0	394	340	0	15	749
	22	3	3	0	225	208	0	16	449
	23	3	3	0	301	175	0	18	494
	24	4	4	0	293	187	0	6	486
	25	*	*	*	*	*	*	*	*
Oct	6	*	*	*	*	*	*	*	*
Total		119	1,445	631	327,194	55,070	997,098	104,757	1,484,106

* Confidentiality requirements prohibit reporting harvest by day.

Table 72. Orzinski Bay salmon harvest, all gears combined, season total by day, 1992.

Catch				Number of Salmon					
Month	Day	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	29	*	*	*	*	*	*	*	*
July	6	12	19	0	4,897	0	11	58	4,966
	7	11	31	2	6,325	0	62	52	6,441
	8	13	21	0	4,031	0	26	24	4,081
	9	15	20	5	5,185	0	64	48	5,302
	10	16	22	2	4,208	0	45	31	4,286
	11	14	22	3	5,467	1	117	43	5,631
	12	14	24	3	4,911	1	126	48	5,089
	13	11	17	0	4,784	3	132	54	4,973
	14	11	11	0	5,277	3	150	74	5,504
	15	13	20	1	7,288	9	272	87	7,657
	16	15	20	2	5,064	0	298	41	5,405
	17	15	24	0	6,468	0	235	33	6,736
	18	14	19	2	4,627	2	334	11	4,976
	19	14	19	2	6,440	11	755	51	7,259
	20	14	23	0	6,848	3	1,066	125	8,042
	21	14	18	1	4,090	1	1,013	47	5,152
	22	16	22	1	2,991	0	1,209	74	4,275
	23	8	9	0	2,044	1	898	42	2,985
	24	8	9	0	2,880	0	1,060	27	3,967
	25	9	13	1	3,684	0	1,879	141	5,705
	26	8	9	1	2,254	0	1,434	46	3,735
	27	5	6	0	1,201	0	990	20	2,211
	28	4	4	0	579	0	527	7	1,113
	29	5	7	0	679	0	449	4	1,132
	30	*	*	*	*	*	*	*	*
	31	*	*	*	*	*	*	*	*
Aug	1	*	*	*	*	*	*	*	*
	2	*	*	*	*	*	*	*	*
	5	*	*	*	*	*	*	*	*
	6	*	*	*	*	*	*	*	*
	7	*	*	*	*	*	*	*	*
	8	*	*	*	*	*	*	*	*
Sept	1	*	*	*	*	*	*	*	*
	2	*	*	*	*	*	*	*	*
Total		22	430	26	105,050	59	22,042	1,496	128,673

* Confidentiality requirements prohibit reporting harvest by day.

Table 73. Chignik sockeye salmon contribution to the Southeastern District Mainland harvest, by gear, through July 25, 1970-92.

Year	Catch by Gear: Set Net Number	Set Net Percent	Purse Seine Number	Purse Seine Percent	Total Catch
1970	63,688	94.2	3,894	5.8	67,582
1971	48,575	95.9	2,066	4.1	50,641
1972	15,593	92.4	1,291	7.6	16,884
1973	36,870	98.0	743	2.0	37,613
1974	52,798	81.8	11,766	18.2	64,564
1975	1,126	51.1	1,079	48.9	2,205
1976	40,399	93.2	2,957	6.8	43,356
1977	23,924	76.0	7,574	24.0	31,498
1978	20,174	91.9	1,778	8.1	21,952
1979	50,610	91.4	4,742	8.6	55,352
1980	58,190	91.5	5,380	8.5	63,570
1981	106,811	87.6	15,059	12.4	121,870
1982	57,646	91.8	5,121	8.2	62,767
1983	157,831	69.4	69,561	30.6	227,392
1984	404,738	95.7	18,330	4.3	423,068
1985	49,523	96.3	1,898	3.7	51,421
1986	110,572	93.7	7,434	6.3	118,006
1987	146,636	99.8	250	0.2	146,886
1988	16,465	85.2	2,855	14.8	19,320
1989	4,371	97.5	114	2.5	4,485
1990	65,671	51.1	62,928	48.9	128,599
1991	152,454	99.8	260	0.2	152,714
1992	93,564	99.7	281	0.3	93,845
Averages					
1970-92	77,314	88.7	9,885	11.3	87,200
1978-92	99,684	88.4	13,066	11.6	112,750

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.

In 1992, the Chignik contribution is 80% of the sockeye salmon harvested in the Southeastern District Mainland fishery except Orzinski Bay where 100% of the sockeye salmon are considered local production.

Table 74. Chignik sockeye salmon contribution to the Southeastern District Mainland harvest, by gear, for the entire season, 1970-92.

Year	Catch by Gear: Set Net Number	Set Net Percent	Purse Seine Number	Purse Seine Percent	Total Catch
1970	64,920	95.2	3,261	4.8	68,181
1971	48,759	95.1	2,513	4.9	51,272
1972	15,966	89.9	1,786	10.1	17,752
1973	37,226	97.3	1,039	2.7	38,266
1974	52,877	80.7	12,638	19.3	65,514
1975	1,126	51.1	1,079	48.9	2,205
1976	41,820	93.4	2,961	6.6	44,781
1977	27,646	78.1	7,754	21.9	35,401
1978	21,140	88.1	2,850	11.9	23,990
1979	59,188	72.0	22,965	28.0	82,153
1980	77,500	88.0	10,546	12.0	88,046
1981	140,857	84.8	25,177	15.2	166,034
1982	81,391	93.7	5,458	6.3	86,849
1983	211,001	70.9	86,428	29.1	297,429
1984	441,758	90.5	46,181	9.5	487,938
1985	79,521	85.3	13,686	14.7	93,206
1986	130,744	88.9	16,312	11.1	147,056
1987	181,589	96.1	7,394	3.9	188,983
1988	53,166	67.2	25,935	32.8	79,101
1989	76,599	55.3	61,994	44.7	138,594
1990	121,534	56.0	95,410	44.0	216,944
1991	193,010	84.3	35,924	15.7	228,934
1992	143,466	80.7	34,250	19.3	177,716
Averages					
1970-92	100,122	81.5	22,763	18.5	122,884
1978-92	134,164	80.4	32,701	19.6	166,865

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.

In 1992, the Chignik contribution is 80% of the sockeye salmon harvested in the Southeastern District Mainland fishery except Orzinski Bay where 100% of the sockeye salmon are considered local production.

Table 75. Harvest of Chignik bound sockeye salmon in the Chignik, Cape Igvak, and Southeast District Mainland Areas[a] from 1964-1992.

Year	Chignik Area Catch	Chignik Area Percent	Cape Igvak Catch	Cape Igvak Percent	Southeast District Mainland Area Catch	Southeast District Mainland Area Percent	Total
1964[b]	556,890	90.57	14,980	2.44	43,021	7.00	614,891
1965	599,553	89.94	11,021	1.65	56,020	8.40	666,594
1966	219,794	87.99	18,003	7.21	12,011	4.81	249,808
1967	462,000	91.48	23,014	4.56	20,021	3.96	505,035
1968	977,382	82.53	135,951	11.48	70,959	5.99	1,184,292
1969	394,135	78.96	97,982	19.63	7,013	1.41	499,130
1970[c]	1,325,734	72.51	434,394	23.76	68,181	3.73	1,828,309
1971	1,016,136	80.33	197,614	15.62	51,272	4.05	1,265,022
1972	378,218	87.99	33,865	7.88	17,752	4.13	429,815

1964-72 catch and percentage figures are total for the entire season. Catch figures and percentages after 1972 are only through July 25.

1973[d]	769,258	89.01	57,348	6.64	37,613	4.35	864,219
1974	530,278	73.97	122,071	17.03	64,564	9.01	716,913
1975	115,984	81.78	23,635	16.67	2,205	1.55	141,824
1976	792,024	83.08	117,926	12.37	43,356	4.55	953,306
1977	1,547,285	90.61	128,852	7.55	31,498	1.84	1,707,635
1978[e,f]	1,454,389	85.38	227,014	13.33	21,952	1.29	1,703,355
1979[g]	794,504	80.30	13,950	1.61	55,352	6.41	863,806
1980	670,001	91.33	32	0.00	63,570	8.67	733,603
1981	1,606,300	79.88	282,727	14.06	121,870	6.06	2,010,897
1982	1,250,768	84.46	167,401	11.30	62,767	4.24	1,480,936
1983	1,450,832	72.68	318,048	15.93	227,392	11.39	1,996,272
1984	2,474,405	73.93	449,372	13.43	423,068	12.64	3,346,845
1985[h]	696,169	79.91	123,627	14.19	51,421	5.90	871,217
1986	1,456,729	82.64	188,017	10.67	118,006	6.69	1,762,752
1987	1,659,915	77.98	321,746	15.12	146,886	6.90	2,128,547
1988	678,912	95.70	11,218	1.58	19,320	2.72	709,450
1989	502,477	99.12	0	0.00	4,485	0.88	506,962
1990	1,211,097	83.67	107,706	7.44	128,599	8.88	1,447,402
1991[i]	1,966,986	80.48	324,329	13.27	152,714	6.25	2,444,029
1992[j]	1,066,732	81.25	152,358	11.60	93,845	7.15	1,312,935

[a] The Cape Igvak and Southeast District Mainland figures represent 80% of the total sockeye catches for those areas as it is estimated that roughly 80% of the sockeye caught in the Cape Igvak section and Southeast District Mainland area (excluding sockeye caught in the Northwest Stepovak Section from 1964-1991, and in Orzinski Bay in 1992) are destined for Chignik.

[b] The data from 1964-1972 are based on total yearly catches. Prior to 1973, Cape Igvak and Southeast District Mainland fisheries were set by regulation to weekly fishing periods, usually 5 days per week. Time modifications were implemented when poor escapements occurred at Chignik.

-Continued-

[c] Catches (1970-92) were updated using historical electronic fish ticket databases.

[d] During 1973-1977 all three fisheries were managed on a day by day basis.

[e] From 1978-1992, the Cape Igvak Fishery Management Plan allocated 15 percent of the total sockeye catch destined for Chignik.

[f] During 1978, seining prior to July 11 was disallowed in the Southeast District Mainland. The set gill net fishery was allowed to fish 3 days per week through July 10 after which the fishery was managed on the basis of local stocks.

[g] During 1979-1984 and prior to July 11, fishing was allowed 5 days per week in the Southeast District Mainland area with a ceiling of 60,000 estimated Chignik destined sockeye salmon. If the Chignik Area sockeye catch was 1,000,000 or more before July 11, the 60,000 ceiling was to be dropped.

[h] Beginning in 1985, Southeast District Mainland area (excluding the Northwest Stepovak Section from 1964-1991 and exclusive of Orzinski Bay only in 1992) was placed on an allocation of 6.2 percent of the total estimated Chignik sockeye catch through July 25. After July 25, the Southeast District Mainland 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.

[i] Includes overescapement of 278,305 sockeye counted past the weir during the Chignik Area seiners' boycott (June 23 - July 4).

[j] Review of Orzinski Lake historical and current escapement records led the Alaska Board of Fisheries to redefine the Southeast District Management Plan. Beginning in 1992, the Southeast District Mainland fishery exclusive of Orzinski Bay was placed on an allocation of 7.0 percent of the total estimated Chignik destined sockeye salmon catch through July 25.

Table 76. Sockeye harvests in the Chignik Management Area and 80 percent of the harvest in the Cape Igvak and Southeast District Mainland Areas, 1964-1992[a].

	Harvest To July 25 Only				Harvest For Entire Season			
Year	Chignik	Cape Igvak	Southeast Mainland	Total	Chignik	Cape Igvak	Southeast Mainland	Total
1964	-	-	-	-	556,890	14,980	43,021	614,891
1965	-	-	-	-	599,553	11,021	56,020	666,594
1966	-	-	-	-	219,794	18,003	12,011	249,808
1967	-	-	-	-	462,000	23,014	20,021	505,035
1968	-	-	-	-	977,382	135,951	70,959	1,184,292
1969	-	-	-	-	394,135	97,982	7,013	499,130
1970	-	-	-	-	1,325,734	434,394	68,181	1,828,309
1971	-	-	-	-	1,016,136	197,614	51,272	1,265,022
1972	-	-	-	-	378,218	33,865	17,752	429,835
1973	769,258	57,348	37,613	864,219	870,354	57,348	38,266	965,968
1974	530,278	122,071	64,564	716,913	662,905	122,071	65,514	850,490
1975	115,984	23,635	2,205	141,824	399,593	23,635	2,205	425,433
1976	792,024	117,926	43,356	953,306	1,163,728	117,978	44,781	1,326,487
1977	1,547,285	128,852	31,498	1,707,635	1,972,207	128,852	35,401	2,136,460
1978	1,454,389	227,014	21,952	1,703,355	1,576,283	227,052	23,990	1,825,325
1979	794,504	13,950	55,352	863,806	1,049,497	20,436	82,153	1,152,086
1980	670,001	32	63,570	733,603	859,966	631	88,046	948,643
1981	1,606,300	282,727	121,870	2,010,897	1,839,469	284,211	166,034	2,289,714
1982	1,250,768	167,401	62,767	1,480,936	1,521,686	168,295	86,849	1,776,830
1983	1,450,832	318,048	227,392	1,996,272	1,824,175	323,004	297,429	2,444,608
1984	2,474,405	449,372	423,068	3,346,845	2,660,619	450,066	487,938	3,598,623
1985	696,169	123,627	51,421	871,217	922,151	125,134	93,206	1,140,491
1986	1,456,729	188,017	118,006	1,762,752	1,645,834	188,129	147,056	1,981,019
1987	1,659,915	321,746	146,886	2,128,547	1,898,838	344,357	188,983	2,432,178
1988	678,912	11,218	19,320	709,450	795,841	28,783	79,101	903,725
1989	502,477	0	4,485	506,962	1,159,287	0	138,594	1,297,881
1990	1,211,097	107,706	128,599	1,447,402	2,093,650	133,821	216,944	2,444,415
1991[b]	1,966,986	324,329	152,714	2,444,029	2,173,970	341,869	228,934	2,744,773
1992	1,066,732	152,358	93,845	1,312,935	1,277,449	156,318	177,713	1,611,480

[a] Catches (1970-1992) were updated using historical electronic fish ticket databases.

[b] Includes overescapement of 278,305 sockeye counted past the weir during the Chignik Area Seiners' boycott (June 23 - July 4).

Table 77. Estimated Orzinski sockeye salmon runs and total Southeastern District Mainland sockeye salmon harvest, in numbers of salmon, 1935-92.

Year	Escapement	Orzinski and American Bay Catch	Balance of Suzy Creek Dent Point Catch	Total Suzy Creek Dent Point Catch	Total Orzinski Run	Total Southeastern Mainland Catch
1935[a]	28,474					
1936[a]	31,720					
1937[a]	15,393					
1938[a,b]	8,675					
1939[a]	10,414					
1940[a]	16,414					
1941[a]	8,241					
1981	18,000[c]	19,385	32,612	51,997	69,997[f]	259,539
1982	9,000[c]	6,079	3,392	9,471	18,471[f]	118,032
1983	21,300[c]	10,814	11,624	22,438	43,738[f]	394,224
1984	18,600[c]	18,603	52,119	70,722	89,322[f]	680,645
1985	14,000[c]	5,061	16,322	21,383	35,383[f]	137,891
1986	10,300[c]	12,455	49,236	61,691	71,991[f]	245,511
1987	11,400[c]	14,463	48,771	63,234	74,634[f]	299,463
1988	19,300[c]	14,462	45,036	59,498	78,798[f]	158,374
1989	16,700[c]	18,476	90,576	109,052	125,752[f]	282,294
1990	15,000[d]	1,257	5,023	6,280	21,280[f]	277,460
1991	40,000[d]	50,496	59,991	110,487	150,487[f]	396,655
1992	25,000[d]	105,050[e]	23,539	128,589	130,050[g]	327,194

a Weir was used to count escapement.
b In 1938, adverse weather conditions may have caused only part of the run to be counted.
c Escapement counts are indexed total escapements and are likely lower than the actual total.
d Escapement count is the sum of weir counts plus aerial surveys conducted after the weir was removed.
e Catch number is for Orzinski Bay only.
f The total Orzinski run is escapement plus total Suzy Creek to Dent Point catch.
g The total Orzinski run is escapement plus Orzinski Bay catch.

Table 78. Southeastern District Mainland fishery, excluding Orzinski Bay, estimated sockeye interception of Chignik destined salmon, 1992.

Date		Total Catch	Chignik Contribution	Cumulative Chignik Catch	Percent of Total
June	19	22,557	18,046	18,046	10.2
	20	9,542	7,634	25,679	4.3
	26	11,075	8,860	34,539	5.0
	27	38,155	30,524	65,063	17.2
	29	28,374	22,699	87,762	12.8
July	13	324	259	88,022	0.1
	18	442	354	88,375	0.2
	19	1,779	1,423	89,798	0.8
	23	542	434	90,232	0.2
	24	1,723	1,378	91,610	0.8
	25	2,793	2,234	93,845	1.3
	27	17,048	13,638	107,483	7.7
	28	16,621	13,297	120,780	7.5
	29	9,333	7,466	128,246	4.2
	30	9,023	7,218	135,465	4.1
	31	7,624	6,099	141,564	3.4
Aug	1	9,381	7,505	149,069	4.2
	2	8,038	6,430	155,499	3.6
	5	998	798	156,298	0.4
	6	1,029	823	157,121	0.5
	7	1,753	1,402	158,523	0.8
	8	3,731	2,985	161,508	1.7
	11	4,054	3,243	164,751	1.8
	12	2,261	1,809	166,560	1.0
	13	4,909	3,927	170,487	2.2
Sept	1	955	764	171,251	0.4
	2	1,194	955	172,206	0.5
	3	257	206	172,412	0.1
	4	653	522	172,934	0.3
	7	518	414	173,349	0.2
	8	421	337	173,686	0.2
	9	397	318	174,003	0.2
	10	415	332	174,335	0.2
	11	569	455	174,790	0.3
	14	62	50	174,840	0.0
	15	945	756	175,596	0.4
	16	371	297	175,893	0.2
	17	324	259	176,152	0.1
	18	584	467	176,619	0.3
	21	394	315	176,934	0.2
	22	225	180	177,114	0.1
	23	301	241	177,355	0.1
	24	293	234	177,590	0.1
	25	97	78	177,667	0.0
Oct	6	60	48	177,715	0.0

-Continued-

Table 78. (page 2 of 2)

Date	Total Catch	Chignik Contribution	Cumulative Chignik Catch	Percent of Total
Total	222,144	177,715	177,715	100.0

Set gillnet gear only is allowed prior to July 11.

The Chignik contribution assumes 80% of the sockeye catch through the entire season in the Southeastern District Mainland fishery, exclusive of Orzinski Bay, is destined for Chignik.

Catch through July 25, was 93,845 salmon (52.8%) of the season total Chignik destined sockeye salmon harvest.

Table 79. Southeastern District Mainland sockeye salmon catch, by gear, through July 25, 1970-1992.

Year	Catch by Gear: Set Net Number	Set Net Percent	Purse Seine Number	Purse Seine Percent	Total Catch
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	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
Averages					
1970-92	122,384	88.5	15,931	11.5	138,315
1978-92	163,785	88.6	21,021	11.4	184,805

Only set gillnet gear is allowed prior to July 10 since 1978 season.

Table 80. Southeastern District Mainland sockeye salmon catch, by gear, for entire season, 1970-1992.

Year	Catch by Gear				Total 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	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
Averages					
1970-92	153,499	82.3	32,983	17.7	186,483
1978-92	210,936	81.8	46,960	18.2	257,895

Set gillnet gear only prior to July 10 since 1978 season.

Table 81. Estimated age composition of sockeye salmon escapement from Orzinski Lake, 1992.

Week	Sample Size		Ages										
			1.1	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
24-31 (6/12-7/30)	1,044	Percent	0.1	23.8	2.5	17.5	22.4	0.8	30.3	2.0	0.3	0.4	100.0
		Numbers	24	5,939	623	4,382	5,603	192	7567	503	72	96	25,000
		SE	24	329	121	294	323	68	356	109	41	48	

Includes post season escapement estimate of 4,458 salmon.

Table 82. Sockeye salmon daily and cumulative escapement counts through the Orzinski Lake weir, 1992.

	Daily			Cumulative			Daily Percent		Cumulative Percent		
Date	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
June 12-24	0	0	0	0	8	0	0.0	0.0	0.0	0.0	0.0
25	197	8	205	197	8	205	0.8	0.0	0.8	0.0	0.8
26	1	0	1	198	13	206	0.0	0.0	0.8	0.0	0.8
27	290	5	295	488	21	501	1.2	0.0	2.0	0.1	2.0
28	1,247	8	1,255	1,735	21	1,756	5.0	0.0	6.9	0.1	7.0
29	9	0	9	1,744	22	1,765	0.0	0.0	7.0	0.1	7.1
30	55	1	56	1,799	28	1,821	0.2	0.0	7.2	0.1	7.3
July 1	235	6	241	2,034	34	2,062	0.9	0.0	8.1	0.1	8.2
2	679	6	685	2,713	34	2,747	2.7	0.0	10.9	0.1	11.0
3	0	0	0	2,713	57	2,747	0.0	0.0	10.9	0.1	11.0
4	2,129	23	2,152	4,842	97	4,899	8.5	0.1	19.4	0.2	19.6
5	5,245	40	5,285	10,087	99	10,184	21.0	0.2	40.3	0.4	40.7
6	473	2	475	10,560	100	10,659	1.9	0.0	42.2	0.4	42.6
7	200	1	201	10,760	101	10,860	0.8	0.0	43.0	0.4	43.4
8	488	1	489	11,248	103	11,349	2.0	0.0	45.0	0.4	45.4
9	272	2	274	11,520	107	11,623	1.1	0.0	46.1	0.4	46.5
10	223	4	227	11,743	107	11,850	0.9	0.0	47.0	0.4	47.4
11	162	0	162	11,905	128	12,012	0.6	0.0	47.6	0.4	48.0
12	455	21	476	12,360	154	12,488	1.8	0.1	49.4	0.5	50.0
13	367	26	393	12,727	169	12,881	1.5	0.1	50.9	0.6	51.5
14	471	15	486	13,198	197	13,367	1.9	0.1	52.8	0.7	53.5
15	793	28	821	13,991	204	14,188	3.2	0.1	56.0	0.8	56.8
16	106	7	113	14,097	216	14,301	0.4	0.0	56.4	0.8	57.2
17	318	12	330	14,415	239	14,631	1.3	0.0	57.7	0.9	58.5
18	883	23	906	15,298	247	15,537	3.5	0.1	61.2	1.0	62.1
19	304	8	312	15,602	266	15,849	1.2	0.0	62.4	1.0	63.4
20	629	19	648	16,231	291	16,497	2.5	0.1	64.9	1.1	66.0
21	880	25	905	17,111	305	17,402	3.5	0.1	68.4	1.2	69.6
22	427	14	441	17,538	317	17,843	1.7	0.1	70.2	1.2	71.4
23	550	12	562	18,088	328	18,405	2.2	0.0	72.4	1.3	73.6
24	453	11	464	18,541	330	18,869	1.8	0.0	74.2	1.3	75.5
25	324	2	326	18,865	333	19,195	1.3	0.0	75.5	1.3	76.8
26	318	3	321	19,183	336	19,516	1.3	0.0	76.7	1.3	78.1
27	218	3	221	19,401	337	19,737	0.9	0.0	77.6	1.3	78.9
28	146	1	147	19,547	342	19,884	0.6	0.0	78.2	1.3	79.5
29	353	5	358	19,900	342	20,242	1.4	0.0	79.6	1.4	81.0
30	300	0	300	20,200	342	20,542	1.2	0.0	80.8	1.4	82.2
Post July 30	4,384	74	4,458	24,584	416	25,000	17.5	0.3	17.5	0.3	17.8
Total	24,584	416	25,000	24,584	416	25,000	98.3	1.7	98.3	1.7	100.0

July 30 count was estimated from morning fish counts.
The weir was closed for the season on July 30.

Table 83. Pink salmon daily and cumulative escapement counts through the Orzinski Lake weir, 1992.

Date	Pink		Daily Percent Adults	Cumulative Percent Adults
	Daily	Cumulative		
June 12 - 30	0	0	0.0	0.0
July 1 - 6	0	0	0.0	0.0
7	1	1	0.2	0.2
8	0	1	0.0	0.2
9	0	1	0.0	0.2
10	0	1	0.0	0.2
11	0	1	0.0	0.2
12	0	1	0.0	0.2
13	0	1	0.0	0.2
14	0	1	0.0	0.2
15	5	6	0.8	0.9
16	1	7	0.2	1.1
17	1	8	0.2	1.3
18	0	8	0.0	1.3
19	11	19	1.7	3.0
20	18	37	2.8	5.8
21	113	150	17.7	23.5
22	22	172	3.4	26.9
23	112	284	17.5	44.4
24	78	362	12.2	56.7
25	114	476	17.8	74.5
26	104	580	16.3	90.8
27	28	608	4.4	95.1
28	14	622	2.2	97.3
29	17	639	2.7	100.0
Total	639	639	100.0	100.0

The weir was closed for the season on July 30.

Table 84. Southeastern District post June, July 5-December 31, salmon harvest by species, all gear combined, 1970-1992.

Year	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1970	62	714	739	12,105	27,786	188,964	31,357	241,482	671,332	2,685,328	162,313	973,878	893,527	4,101,757
1971	62	1,034	1,185	19,390	70,003	420,018	16,369	111,332	704,255	2,394,460	433,876	2,819,592	1,225,688	5,764,792
1972	58	506	644	10,241	26,548	175,131	7,893	55,343	45,061	179,495	118,254	724,277	198,400	1,144,487
1973	38	334	124	1,277	30,401	231,462	6,263	40,820	27,782	106,540	41,463	325,454	106,033	705,553
1974	49	353	456	3,937	65,461	442,002	8,212	55,760	81,811	327,464	43,821	333,889	199,761	1,163,052
1975	13	25	0	0	3,156	21,526	63	315	3,020	11,946	770	4,841	7,009	38,628
1976	57	303	2	30	7,900	56,133	201	1,382	578,581	2,506,205	32,657	242,964	619,341	2,806,714
1977	54	299	28	862	39,099	321,922	2,075	14,904	170,648	677,431	21,664	164,833	233,514	1,179,952
1978	76	947	209	4,262	63,391	409,926	47,206	318,518	1,906,403	6,501,016	232,274	1,736,910	2,249,483	8,970,632
1979	104	1,496	1,014	14,685	243,649	1,651,590	338,221	2,251,433	3,237,187	11,869,126	171,934	1,236,578	3,992,005	17,023,412
1980	103	1,684	1,460	17,780	229,739	1,429,474	253,971	1,429,119	1,949,427	6,186,370	462,731	3,016,475	2,897,328	12,079,218
1981	107	1,845	4,306	50,744	263,430	1,782,109	140,363	929,897	2,275,113	8,587,768	720,133	5,143,913	3,403,345	16,494,431
1982	109	2,113	2,350	33,251	131,985	882,514	223,202	1,571,042	2,543,146	8,496,757	673,943	5,215,130	3,574,626	16,198,694
1983	114	2,081	7,923	75,196	432,808	3,033,860	110,800	794,718	1,079,426	4,116,694	467,182	3,313,989	2,098,139	11,334,457
1984	120	2,123	3,860	56,211	318,228	2,150,050	240,818	1,718,730	3,084,662	11,747,535	513,050	3,699,158	4,160,618	19,371,684
1985	119	1,806	588	11,578	187,449	1,085,074	128,738	886,536	2,645,117	11,006,255	370,855	2,441,748	3,332,747	15,431,191
1986	115	2,227	3,427	47,855	523,310	3,658,936	206,461	1,324,705	1,988,146	7,091,698	722,800	5,170,213	3,444,144	17,293,407
1987	134	2,009	3,676	46,322	355,837	2,574,642	182,036	1,290,250	921,294	3,289,046	551,932	4,006,178	2,014,775	11,206,438
1988	127	3,079	6,304	91,507	575,291	3,882,125	391,739	2,804,698	4,577,143	16,492,624	674,140	5,031,957	6,224,617	28,302,911
1989	146	2,785	3,693	58,836	695,215	4,459,022	325,527	2,172,819	5,032,082	19,009,543	371,393	2,541,011	6,427,910	28,241,231
1990	150	2,357	5,761	75,922	701,679	4,581,730	239,401	1,658,125	1,356,637	4,469,046	502,600	3,119,351	2,806,078	13,904,174
1991	143	2,529	2,539	34,090	427,234	2,701,025	196,549	1,183,072	4,270,070	13,494,957	410,317	2,639,080	5,306,709	20,052,224
1992	136	2,628	3,248	42,049	469,388	2,985,927	288,768	1,834,415	3,293,819	11,458,890	339,082	2,233,955	4,394,305	18,555,236
Averages														
1970-92	95	1,534	2,328	30,788	256,043	1,701,094	147,228	986,496	1,845,311	6,639,400	349,530	2,440,668	2,600,439	11,798,447
1983-92	130	2,362	4,102	53,957	468,644	3,111,239	231,084	1,566,807	2,824,840	10,217,629	492,335	3,419,664	4,021,004	18,369,295

Table 85. Southeastern District post June, July 5-December 31, salmon harvest by species, purse seine gear, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1970	60	552	734	11,985	14,981	101,884	30,692	236,358	655,542	2,622,168	142,219	853,314	844,168	3,825,709
1971	52	834	1,152	18,854	39,164	234,984	16,167	109,953	697,442	2,371,300	418,974	2,722,661	1,172,899	5,457,752
1972	48	398	634	10,144	17,982	122,279	7,760	54,320	41,472	165,888	110,110	664,900	177,958	1,017,531
1973	26	174	122	1,237	9,995	72,212	6,047	39,501	24,653	93,322	35,461	279,116	76,278	485,388
1974	34	175	439	3,744	35,018	212,671	8,060	54,643	73,791	292,755	39,701	302,304	157,009	866,117
1975	6	11	0	0	1,349	9,026	34	163	2,060	8,019	178	1,175	3,621	18,383
1976	46	270	0	0	2,452	16,782	41	262	573,476	2,483,336	31,388	233,168	607,357	2,733,548
1977	34	136	12	300	13,053	105,267	1,006	7,296	164,621	651,874	14,898	111,864	193,590	876,601
1978	53	709	196	3,875	50,940	317,584	44,277	293,153	1,883,690	6,416,194	213,020	1,590,078	2,192,123	8,620,884
1979	73	1051	958	13431	163924	1078673	327855	2173183	3165910	11586248	148448	1068284	3807095	15919819
1980	70	1,079	1,410	16,879	136,975	797,072	237,824	1,315,537	1,899,007	6,002,618	400,803	2,596,661	2,676,019	10,728,767
1981	70	1105	4182	48822	137337	888051	135502	895411	2174093	8179663	655413	4696703	3106527	14708650
1982	68	1157	2202	30697	69453	428073	209549	1463464	2448251	8129337	597673	4634778	3327128	14686349
1983	69	998	7,769	73,203	206,002	1,415,693	97,636	685,551	1,042,568	3,958,622	412,303	2,901,639	1,766,278	9,034,708
1984	69	894	3,619	51,968	138,955	881,994	225,172	1,588,017	2,884,707	10,902,341	444,728	3,183,752	3,697,181	16,608,072
1985	69	916	539	10,471	110,864	605,771	118,610	807,530	2,457,622	10,167,862	328,562	2,147,062	3,016,197	13,738,696
1986	67	1,061	3,299	45,434	303,413	2,071,919	200,360	1,280,505	1,893,638	6,711,676	668,909	4,774,529	3,069,619	14,884,063
1987	78	836	3,540	43,723	192,997	1,383,526	164,486	1,154,983	874,323	3,096,014	490,339	3,556,761	1,725,685	9,235,007
1988	72	1,394	6,096	87,205	359,728	2,345,588	370,656	2,632,253	4,312,986	15,432,933	606,697	4,514,941	5,656,163	25,012,920
1989	84	1,079	3,392	54,378	382,429	2,316,239	292,333	1,941,803	4,696,630	17,646,925	306,319	2,085,961	5,681,103	24,045,306
1990	82	951	5,359	70,172	379,620	2,412,162	215,797	1,484,967	1,310,643	4,312,922	442,490	2,713,108	2,353,909	10,993,331
1991	78	824	1,650	23,063	147,797	877,901	162,791	959,727	3,967,287	12,434,072	288,033	1,821,661	4,567,558	16,116,424
1992	74	757	2,904	36,968	161,687	947,267	245,368	1,524,322	2,925,519	10,076,359	276,400	1,795,358	3,611,878	14,380,274
Averages														
1970-92	60	755	2,183	28,546	133,744	854,027	135,566	900,126	1,746,519	6,249,672	307,525	2,141,295	2,325,537	10,173,665
1983-92	74	971	3,817	49,659	238,349	1,525,806	209,321	1,405,966	2,636,592	9,473,973	426,478	2,949,477	3,514,557	15,404,880

Table 86. Southeastern District post June, July 5-December 31, salmon harvest by species, set gillnet gear, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1970	22	162	5	120	12,805	87,080	665	5,124	15,790	63,160	20,094	120,564	49,359	276,048
1971	22	200	33	536	30,839	185,034	202	1,379	6,813	23,160	14,902	96,931	52,789	307,040
1972	16	108	10	97	8,566	52,852	133	1,023	3,589	13,607	8,144	59,377	20,442	126,956
1973	21	160	2	40	20,406	159,250	216	1,319	3,129	13,218	6,002	46,338	29,755	220,165
1974	30	178	17	193	30,443	229,331	152	1,117	8,020	34,709	4,120	31,585	42,752	296,935
1975	7	14	0	0	1,807	12,500	29	152	960	3,927	592	3,666	3,388	20,245
1976	13	33	2	30	5,448	39,351	160	1,120	5,105	22,869	1,269	9,796	11,984	73,166
1977	20	163	16	562	26,046	216,655	1,069	7,608	6,027	25,557	6,766	52,969	39,924	303,351
1978	24	238	13	387	12,451	92,342	2,929	25,365	22,713	84,822	19,254	146,832	57,360	349,748
1979	35	445	56	1,254	79,725	572,917	10,366	78,250	71,277	282,878	23,486	168,294	184,910	1,103,593
1980	35	605	50	901	92,764	632,402	16,147	113,582	50,420	183,752	61,928	419,814	221,309	1,350,451
1981	37	740	124	1,922	126,093	894,058	4,861	34,486	101,020	408,105	64,720	447,210	296,818	1,785,781
1982	41	956	148	2,554	62,532	454,441	13,653	107,578	94,895	367,420	76,270	580,352	247,498	1,512,345
1983	45	1,083	154	1,993	226,806	1,618,167	13,164	109,167	36,858	158,072	54,879	412,350	331,861	2,299,749
1984	51	1,229	241	4,243	179,273	1,268,056	15,646	130,713	199,955	845,194	68,322	515,406	463,437	2,763,612
1985	50	890	49	1,107	76,585	479,303	10,128	79,006	187,495	838,393	42,293	294,686	316,550	1,692,495
1986	48	1,166	128	2,421	219,897	1,587,017	6,101	44,200	94,508	380,022	53,891	395,684	374,525	2,409,344
1987	56	1,173	136	2,599	162,840	1,191,116	17,550	135,267	46,971	193,032	61,593	449,417	289,090	1,971,431
1988	55	1,685	208	4,302	215,563	1,536,537	21,083	172,445	264,157	1,059,691	67,443	517,016	568,454	3,289,991
1989	61	1,700	245	3,872	311,087	2,134,424	30,748	215,469	331,924	1,350,938	64,335	450,569	738,339	4,155,272
1990	67	1,399	379	5,547	321,093	2,164,444	21,896	163,414	41,519	142,546	57,651	394,013	442,538	2,869,964
1991	64	1,692	579	7,902	276,036	1,809,189	29,927	203,201	292,731	1,031,254	115,610	783,493	714,883	3,835,039
1992	61	1,858	251	4,014	305,481	2,026,953	40,116	289,368	358,829	1,355,869	58,243	412,526	762,920	4,088,730
Averages														
1970-92	38	777	124	2,026	121,939	845,366	11,171	83,494	97,596	386,182	41,383	296,039	272,212	1,613,107
1983-92	56	1,388	237	3,800	229,466	1,581,521	20,636	154,225	185,495	735,501	64,426	462,516	500,260	2,937,563

Table 87. Shumagin Islands Section post June, July 5 - December 31, salmon harvest by species, all gear combined, 1970-1992.

	Species					
Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	735	22,219	30,065	486,657	116,392	656,068
1971	1,135	45,681	16,067	471,965	300,509	835,357
1972	619	18,070	7,686	34,047	97,606	158,028
1973	148	19,484	6,068	19,315	43,154	88,169
1974	507	43,484	8,031	35,706	37,323	125,051
1975	0	0	0	0	0	0
1976	0	3	3	303,422	7,968	311,396
1977	0	97	74	0	38	209
1978	189	51,261	40,433	1,213,961	164,930	1,470,774
1979	910	145,369	313,573	2,071,045	93,527	2,624,424
1980	1,456	235,438	233,501	1,625,784	283,432	2,379,611
1981	4,038	118,139	126,955	1,364,370	309,726	1,923,228
1982	1,969	67,269	207,273	1,638,712	295,325	2,210,548
1983	6,547	108,365	92,403	900,726	220,824	1,328,865
1984	3,222	96,149	211,648	1,786,737	259,497	2,357,253
1985	511	107,792	113,193	1,627,627	205,649	2,054,772
1986	3,149	341,966	201,518	1,497,905	557,407	2,601,945
1987	3,388	248,934	157,936	542,383	310,540	1,263,181
1988	5,955	416,917	351,118	3,396,332	415,308	4,585,630
1989	2,502	418,124	251,206	2,026,996	239,366	2,938,194
1990	4,939	424,473	183,836	1,106,869	347,227	2,067,344
1991	1,767	223,282	146,752	2,160,027	223,274	2,755,102
1992	2,750	252,526	233,709	2,296,809	238,393	3,024,187
10 yr avg	3,473	263,853	194,332	1,734,241	301,749	2,497,647
20 yr avg	2,197	165,954	143,962	1,280,736	212,645	1,805,494
odd yr avg				1,016,769		
even yr avg				1,357,844		

Note: The 10 year average is from 1983-1992, the 20 year average is from 1973-1992, the odd year average includes odd number years from 1971-1991 and the even year average includes even number years from 1970-1992.

Table 88. McGinty Point to Moss Cape post June, July 5 to December 31, salmon harvest by species, all gear combined, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1970	66	630	1	16	978	6,668	1,110	8,552	821,967	3,281,199	337,850	2,027,014	1,161,906	5,323,449
1971	63	606	12	193	1,124	6,744	89	612	608,108	2,067,740	231,958	1,507,999	841,291	3,583,288
1972	35	129	8	115	171	1,163	9	63	11,298	45,065	32,868	200,804	44,354	247,210
1973	29	121	1	30	105	711	107	750	7,229	28,771	26,367	216,646	33,809	246,908
1974	15	42	1	20	1,343	9,218	0	0	12,857	47,020	2,190	17,498	16,391	73,756
1975	32	48	0	0	53	239	3	14	34,517	134,550	28,969	185,130	63,542	319,933
1976	66	800	3	40	4,421	23,891	12	60	1,744,992	7,630,449	79,094	591,050	1,828,522	8,245,490
1977	88	992	7	249	9,024	69,780	32	214	1,256,922	4,997,040	98,327	802,226	1,364,312	5,869,509
1978	82	933	11	330	2,604	14,718	1,729	6,843	2,348,048	7,673,130	134,839	1,052,088	2,487,231	8,747,109
1979	93	819	6	205	4,376	27,375	4,426	35,472	2,238,593	8,035,783	175,441	1,296,563	2,422,842	9,395,398
1980	80	433	12	266	3,396	21,292	1,614	9,629	1,011,896	3,380,748	248,999	1,661,454	1,265,917	5,073,389
1981	101	724	16	333	11,973	60,843	1,852	13,083	2,082,898	7,563,964	333,489	2,482,568	2,430,228	10,120,791
1982	70	614	33	744	3,131	19,036	4,158	31,589	1,809,040	6,332,216	304,807	2,433,093	2,121,169	8,816,678
1983	92	618	203	2,123	9,538	64,490	3,608	25,541	1,354,304	5,168,025	158,923	1,198,971	1,526,576	6,459,150
1984	101	834	372	5,419	24,919	162,783	5,283	39,751	4,132,985	15,493,208	397,029	2,928,432	4,560,588	18,629,593
1985	76	503	75	1,912	25,519	154,555	5,906	42,607	1,252,884	5,097,733	336,104	2,426,165	1,620,488	7,722,972
1986	67	485	37	730	57,946	397,835	1,404	9,923	1,358,131	4,462,805	388,047	2,886,234	1,805,565	7,757,527
1987	89	444	119	1,861	47,866	338,964	2,578	17,124	237,614	774,265	290,350	2,158,492	578,527	3,290,706
1988	61	349	395	7,072	63,303	439,635	17,315	94,916	319,803	1,142,764	323,988	2,614,058	724,804	4,298,445
1989	79	290	118	2,472	81,058	528,126	5,315	35,330	590,519	2,259,847	52,827	375,819	729,837	3,201,594
1990	99	452	194	3,627	151,597	1,079,439	8,146	52,934	609,313	1,988,685	93,920	685,218	863,170	3,809,903
1991	105	695	353	4,984	95,171	585,757	34,516	203,574	3,906,212	12,338,118	252,875	1,728,924	4,289,127	14,861,357
1992	118	757	755	11,013	273,637	1,699,350	40,134	257,811	3,166,208	10,511,320	397,161	2,743,165	3,877,895	15,222,659
Averages														
1970-92	74	536	119	1,902	37,968	248,374	6,059	38,539	1,344,189	4,802,367	205,497	1,487,809	1,593,830	6,578,992
1983-92	89	543	262	4,121	83,055	545,093	12,421	77,951	1,692,797	5,923,677	269,122	1,974,548	2,057,658	8,525,391

Table 89. McGinty Point to Moss Cape post June, July 5 to December 31, salmon harvest by species, purse seine gear, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1970	63	628	1	16	976	6,654	1,103	8,498	821,693	3,280,103	337,758	2,026,462	1,161,531	5,321,733
1971	63	606	12	193	1,124	6,744	89	612	608,108	2,067,740	231,958	1,507,999	841,291	3,583,288
1972	34	121	6	96	161	1,102	9	63	10,698	42,792	30,081	180,486	40,955	224,539
1973	27	110	0	0	55	329	84	587	7,096	28,221	24,924	204,784	32,159	233,921
1974	10	21	0	0	60	432	0	0	11,588	41,726	1,171	9,446	12,819	51,604
1975	32	48	0	0	53	239	3	14	34,517	134,550	28,969	185,130	63,542	319,933
1976	65	799	3	40	4,358	23,451	12	60	1,744,871	7,629,869	79,051	590,690	1,828,295	8,244,110
1977	80	957	6	219	6,452	48,050	27	184	1,246,880	4,956,581	92,389	756,168	1,345,754	5,761,202
1978	79	924	8	250	2,488	13,793	1,729	6,843	2,341,547	7,651,900	134,389	1,048,556	2,480,161	8,721,342
1979	80	795	6	205	2126	12906	4295	34482	2227213	7994700	170399	1258875	2404039	9301168
1980	71	396	10	191	2,494	14,914	490	2,579	979,019	3,271,525	234,522	1,569,042	1,216,535	4,858,251
1981	92	692	14	283	9834	47164	1783	12482	2075068	7531825	320027	2384554	2406726	9976308
1982	65	590	32	729	2844	16858	4146	31496	1804822	6317412	301486	2408435	2113330	8774930
1983	84	579	195	2,028	7,526	51,201	3,542	25,139	1,326,582	5,056,862	153,594	1,159,522	1,491,439	6,294,752
1984	97	814	361	5,235	22,676	148,466	5,265	39,600	4,124,259	15,462,318	384,844	2,842,084	4,537,405	18,497,703
1985	71	483	72	1,784	23,809	142,990	5,898	42,543	1,244,188	5,062,485	328,730	2,378,661	1,602,697	7,628,463
1986	65	473	35	678	56,551	388,877	1,403	9,917	1,357,777	4,461,896	381,669	2,837,790	1,797,435	7,699,158
1987	77	396	110	1,628	38,852	278,571	2,241	14,780	232,080	754,879	283,950	2,112,773	557,233	3,162,631
1988	53	300	387	6,856	46,340	326,799	15,210	81,193	318,506	1,138,650	318,219	2,568,807	698,662	4,122,305
1989	68	217	99	2,025	59,889	384,336	4,541	29,944	572,155	2,187,820	50,390	357,592	687,074	2,961,717
1990	82	370	179	3,436	122,015	873,139	6,853	44,444	600,260	1,956,462	90,188	657,554	819,495	3,535,035
1991	94	600	330	4,644	74,518	458,773	27,050	159,240	3,874,087	12,223,243	242,477	1,655,858	4,218,462	14,501,758
1992	106	699	752	10,956	253,888	1,568,471	38,559	247,366	3,150,762	10,458,958	394,091	2,720,991	3,838,052	15,006,742
Averages														
1970-92	68	505	114	1,804	32,134	209,316	5,406	34,438	1,335,382	4,770,109	200,664	1,453,142	1,573,700	6,468,808
1983-92	80	493	252	3,927	70,606	462,162	11,056	69,417	1,680,066	5,876,357	262,815	1,929,163	2,024,795	8,341,026

Table 90. McGinty Point to Moss Cape post June, July 5-December 31, salmon harvest by species, set gillnet gear[a], 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1970[b]														
1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	4	8	2	19	10	61	0	0	600	2,273	2,787	20,318	3,399	22,671
1973	3	11	1	30	50	382	23	163	133	550	1,443	11,862	1,650	12,987
1974	8	21	1	20	1,283	8,786	0	0	1,269	5,294	1,019	8,052	3,572	22,152
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976[a]														
1977	9	35	1	30	2,572	21,730	5	30	10,042	40,459	5,938	46,058	18,558	108,307
1978	4	9	3	80	116	925	0	0	6,501	21,230	450	3,532	7,070	25,767
1979	8	24	0	0	2,250	14,469	131	990	11,380	41,083	5,042	37,688	18,803	94,230
1980	9	37	2	75	902	6,378	1,124	7,050	32,877	109,223	14,477	92,412	49,382	215,138
1981	6	32	2	50	2,139	13,679	69	601	7,830	32,139	13,462	98,014	23,502	144,483
1982	4	24	1	15	287	2,178	12	93	4,218	14,804	3,321	24,658	7,839	41,748
1983	8	39	8	95	2,012	13,289	66	402	27,722	111,163	5,329	39,449	35,137	164,398
1984	4	20	11	184	2,243	14,317	18	151	8,726	30,890	12,185	86,348	23,183	131,890
1985	5	20	3	128	1,710	11,565	8	64	8,696	35,248	7,374	47,504	17,791	94,509
1986[a]														
1987	12	48	9	233	9,014	60,393	337	2,344	5,534	19,386	6,400	45,719	21,294	128,075
1988	8	49	8	216	16,963	112,836	2,105	13,723	1,297	4,114	5,769	45,251	26,142	176,140
1989	11	73	19	447	21,169	143,790	774	5,386	18,364	72,027	2,437	18,227	42,763	239,877
1990	17	82	15	191	29,582	206,300	1,293	8,490	9,053	32,223	3,732	27,664	43,675	274,868
1991	11	95	23	340	20,653	126,984	7,466	44,334	32,125	114,875	10,398	73,066	70,665	359,599
1992	12	58	3	57	19,749	130,879	1,575	10,445	15,446	52,362	3,070	22,174	39,843	215,917
Averages														
1970-92	6	30	5	98	5,833	39,059	653	4,101	8,807	32,258	4,832	34,667	20,130	110,184
1983-92	9	50	10	194	12,449	82,931	1,364	8,535	12,732	47,320	6,307	45,385	32,862	184,364

a Several drift gillnet deliveries in database, added all these to purse seine catches.
b Confidentiality requirements prohibit reporting the harvest.

Table 91. Belkofski Bay to Kenmore Head post June, July 5-December 31, salmon harvest by species, all gear combined[a], 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1970	28	97	0	0	1,049	7,136	17	131	128,047	512,188	35,060	210,360	164,173	729,815
1971	23	94	1	16	1,118	6,708	13	89	106,649	362,602	30,198	196,312	137,979	565,727
1972	11	17	0	0	7	48	0	0	3,125	12,500	2,296	13,776	5,428	26,324
1973	4	8	0	0	166	857	6	50	731	2,646	1,403	12,620	2,306	16,173
1974	4	4	0	0	0	0	0	0	1,411	5,634	224	1,944	1,635	7,578
1975	15	17	0	0	240	1,170	0	0	17,858	72,224	189	1,122	18,287	74,516
1976	9	12	0	0	1,372	7,623	0	0	18,454	82,619	6,908	57,955	26,734	148,197
1977	16	24	0	0	12,546	83,872	1	7	15,675	61,271	6,771	62,800	34,993	207,950
1978	42	273	0	0	3,998	23,629	11,834	48,340	1,198,699	4,308,330	54,027	429,470	1,268,558	4,809,769
1979	47	290	0	0	11,077	76,802	13,753	118,458	920,547	3,302,489	23,598	189,061	968,975	3,686,810
1980	80	632	17	243	36,439	204,267	17,652	112,378	3,245,136	10,933,430	105,083	748,760	3,404,327	11,999,078
1981	47	262	5	62	19,307	120,394	19,029	131,035	215,066	751,182	98,875	745,991	352,282	1,748,664
1982	53	381	14	243	19,233	115,121	1,457	11,225	612,564	2,169,532	167,191	1,297,172	800,459	3,593,293
1983	52	194	9	124	14,097	87,627	699	6,816	320,468	1,167,362	85,777	680,265	421,050	1,942,194
1984	74	517	2	40	60,794	358,274	730	5,335	3,116,179	11,606,694	231,619	1,740,163	3,409,324	13,710,506
1985	50	264	6	123	45,812	255,113	7,238	60,789	388,365	1,454,495	176,437	1,222,924	617,858	2,993,444
1986	52	286	7	225	42,922	281,838	2,498	19,370	332,177	1,114,563	243,182	1,931,007	620,786	3,347,003
1987	29	73	6	110	5,017	31,397	6,809	53,155	26,190	87,146	33,879	241,254	71,901	413,062
1988	51	495	19	324	7,328	48,025	11,581	99,915	1,721,963	6,064,733	250,009	1,985,218	1,990,900	8,198,215
1989	48	347	26	447	13,535	85,263	5,365	46,412	1,362,488	5,183,121	18,227	138,864	1,399,641	5,454,107
1990	50	210	30	433	22,779	150,735	13,156	110,844	321,850	995,083	33,549	246,647	391,364	1,503,742
1991	50	363	75	1,088	18,846	108,578	19,011	156,363	1,773,650	5,711,540	104,063	778,739	1,915,645	6,756,308
1992	56	526	59	1,115	70,369	427,368	14,794	109,542	2,428,144	8,165,138	104,649	768,280	2,618,015	9,471,443
Averages														
1970-92	39	234	12	200	17,741	107,906	6,332	47,402	794,584	2,788,110	78,835	595,683	897,505	3,539,301
1983-92	51	328	24	403	30,150	183,422	8,188	66,854	1,179,147	4,154,988	128,139	973,336	1,345,648	5,379,002

[a] Added all drift gillnet and beach seine landings to purse seine catch.

Table 92. Belkofski Bay to Kenmore Head post June, July 5-December 31, salmon harvest by species, purse seine gear[a], 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1970	28	97	0	0	1,049	7,136	17	131	128,047	512,188	35,060	210,360	164,173	729,815
1971	23	94	1	16	1,118	6,708	13	89	106,649	362,602	30,198	196,312	137,979	565,727
1972	11	17	0	0	7	48	0	0	3,125	12,500	2,296	13,776	5,428	26,324
1973	4	8	0	0	166	857	6	50	731	2,646	1,403	12,620	2,306	16,173
1974	4	4	0	0	0	0	0	0	1,411	5,634	224	1,944	1,635	7,578
1975	15	17	0	0	240	1,170	0	0	17,858	72,224	189	1,122	18,287	74,516
1976	9	12	0	0	1,372	7,623	0	0	18,454	82,619	6,908	57,955	26,734	148,197
1977	16	24	0	0	12,546	83,872	1	7	15,675	61,271	6,771	62,800	34,993	207,950
1978	42	273	0	0	3,998	23,629	11,834	48,340	1,198,699	4,308,330	54,027	429,470	1,268,558	4,809,769
1979	46	282	0	0	11,064	76,714	13,742	118,358	917,652	3,292,201	22,819	183,156	965,277	3,670,429
1980	72	571	1	35	27,032	150,250	11,210	72,592	3,229,721	10,876,025	96,889	691,333	3,364,853	11,790,235
1981	39	179	0	0	15,298	95,512	17,753	121,895	211,505	738,067	86,655	651,885	331,211	1,607,359
1982	43	272	5	83	16,220	96,632	68	456	601,255	2,128,242	155,584	1,205,395	773,132	3,430,808
1983	43	148	0	0	6,254	38,023	645	6,383	307,380	1,116,205	79,693	630,861	393,972	1,791,472
1984	66	494	2	40	52,696	308,845	189	1,340	3,077,230	11,461,168	229,937	1,726,974	3,360,054	13,498,367
1985	43	228	4	89	40,265	223,503	3,152	27,546	383,454	1,434,584	167,626	1,162,932	594,501	2,848,654
1986	45	239	2	77	35,846	235,205	711	5,480	324,921	1,087,932	239,991	1,906,654	601,471	3,235,348
1987	21	39	0	0	1,509	9,885	2,899	23,686	25,894	85,970	30,101	213,994	60,403	333,535
1988	43	425	9	169	1,409	8,676	3,292	29,122	1,711,841	6,026,572	244,710	1,943,436	1,961,261	8,007,975
1989	37	285	12	208	5,724	37,739	137	950	1,353,531	5,148,000	13,049	100,467	1,372,453	5,287,364
1990	33	109	13	159	5,463	36,177	1,520	13,982	317,123	976,755	28,078	207,051	352,197	1,234,124
1991	39	267	59	858	6,564	39,258	4,519	30,687	1,764,619	5,677,462	99,087	744,328	1,874,848	6,492,593
1992	39	370	53	1,021	24,176	147,147	4,785	31,706	2,402,746	8,075,247	97,710	718,229	2,529,470	8,973,350
Averages														
1970-92	33	194	7	120	11,740	71,070	3,326	23,165	787,805	2,762,802	75,174	568,394	878,052	3,425,551
1983-92	41	260	15	262	17,991	108,446	2,185	17,088	1,166,874	4,108,990	122,998	935,493	1,310,063	5,170,278

[a] Added all drift gillnet and beach seine landings to purse seine catch.

Table 93. Belkofski Bay to Kenmore Head post June, July 5-December 31, salmon harvest by species, set gillnet gear[a], 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979[a]														
1980	8	61	16	208	9,407	54,017	6,442	39,786	15,415	57,405	8,194	57,427	39,474	208,843
1981	8	83	5	62	4,009	24,882	1,276	9,140	3,561	13,115	12,220	94,106	21,071	141,305
1982	10	109	9	160	3,013	18,489	1,389	10,769	11,309	41,290	11,607	91,777	27,327	162,485
1983	9	46	9	124	7,843	49,604	54	433	13,088	51,157	6,084	49,404	27,078	150,722
1984	8	23	0	0	8,098	49,429	541	3,995	38,949	145,526	1,682	13,189	49,270	212,139
1985	7	36	2	34	5,547	31,610	4,086	33,243	4,911	19,911	8,811	59,992	23,357	144,790
1986	7	47	5	148	7,076	46,633	1,787	13,890	7,256	26,631	3,191	24,353	19,315	111,655
1987	8	34	6	110	3,508	21,512	3,910	29,469	296	1,176	3,778	27,260	11,498	79,527
1988	8	70	10	155	5,919	39,349	8,289	70,793	10,122	38,161	5,299	41,782	29,639	190,240
1989	11	62	14	239	7,811	47,524	5,228	45,462	8,957	35,121	5,178	38,397	27,188	166,743
1990	17	101	17	274	17,316	114,558	11,636	96,862	4,727	18,328	5,471	39,596	39,167	269,618
1991	11	96	16	230	12,282	69,320	14,492	125,676	9,031	34,078	4,976	34,411	40,797	263,715
1992	17	156	6	94	46,193	280,221	10,009	77,836	25,398	89,891	6,939	50,051	88,545	498,093
Averages														
1970-92	6	41	5	80	6,002	36,836	3,007	24,237	6,779	25,308	3,661	27,289	19,453	113,750
1983-92	10	67	9	141	12,159	74,976	6,003	49,766	12,274	45,998	5,141	37,844	35,585	208,724

a Added all drift gillnet and beach seine landings to purse seine catch.
b Confidentiality requirements prohibit reporting the harvest.

Table 94. Kenmore Head to Scotch Cap post June, July 5-December 31, salmon harvest by species, all gear combined, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pound	Number	Pounds	Number	Pounds	Number	Pounds
1970	23	40	8	195	3,180	21,625	17	131	3,816	15,264	3,763	22,578	10,784	59,793
1971	88	294	37	590	58,241	349,214	428	2,885	1,606	5,475	56,574	367,772	116,886	725,936
1972	31	85	2	20	4,589	28,261	51	392	57	218	12,159	88,091	16,858	116,982
1973	18	23	0	0	1,659	11,633	21	103	41	174	1,102	7,544	2,823	19,454
1974	30	78	6	103	11,957	64,114	1,095	7,354	1,451	5,976	2,097	15,009	16,606	92,556
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	8	10	0	0	22	152	2	15	46,919	178,216	1,916	17,702	48,859	196,085
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	9	12	0	0	497	2,357	57	356	48,637	167,701	236	1,529	49,427	171,943
1981	10	17	76	1,318	9,232	53,536	653	3,993	7,065	19,936	15,856	97,733	32,882	176,516
1982	42	193	141	2,160	17,013	99,841	25,327	168,063	43,925	146,900	19,938	139,420	106,344	556,384
1983	62	252	4,649	27,908	62,565	369,681	10,156	65,882	12,305	37,351	198,786	1,159,768	288,461	1,660,590
1984	79	581	549	7,694	66,550	386,228	63,753	432,521	328,797	1,149,936	153,753	1,032,456	613,402	3,008,835
1985	59	394	55	1,007	35,829	200,634	28,003	203,210	34,716	132,227	28,665	198,410	127,268	735,488
1986	54	442	109	2,158	60,261	373,662	25,467	171,019	59,932	208,143	38,194	270,360	183,963	1,025,342
1987	74	386	115	2,469	47,965	296,668	33,074	224,429	4,981	17,627	47,542	320,106	133,677	861,299
1988	94	664	246	4,187	60,375	372,332	66,872	480,432	207,843	781,386	112,292	744,205	447,628	2,382,542
1989	126	734	439	7,390	114,595	687,877	102,961	700,929	82,693	308,369	82,899	560,789	383,587	2,265,354
1990	89	562	199	3,224	140,541	928,246	37,681	251,787	51,047	171,569	79,160	449,310	308,628	1,804,136
1991	58	315	150	2,095	32,838	196,497	66,965	401,568	37,543	136,039	37,309	241,018	174,805	977,217
1992	62	419	71	1,078	59,513	355,270	74,521	484,773	238,779	833,482	43,613	305,206	416,497	1,979,809
Averages														
1970-92	44	239	298	2,765	34,236	208,601	23,352	156,515	52,702	187,652	40,689	262,565	151,278	818,098
1983-92	76	475	658	5,921	68,103	416,710	50,945	341,655	105,864	377,613	82,221	528,163	307,792	1,670,061

Table 95. Kenmore Head to Scotch Cap post June, July 5-December 31, salmon harvest by species, purse seine gear, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pound	Number	Pounds	Number	Pounds	Number	Pounds
1970	6	8	0	0	1,100	7,480	2	15	3,190	12,760	1,502	9,012	5,794	29,267
1971	12	29	12	194	10,667	64,002	75	510	531	1,809	8,367	54,392	19,652	120,907
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	5	9	0	0	4,822	24,893	6	37	38	168	42	300	4,908	25,398
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	8	10	0	0	22	152	2	15	46,919	178,216	1,916	17,702	48,859	196,085
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	6	6	0	0	63	336	45	260	48,282	166,563	203	1,277	48,593	168,436
1981	5	8	76	1,318	7,712	43,826	623	3,808	7,019	19,811	15,578	95,850	31,008	164,613
1982	11	18	45	647	2,302	12,820	5,264	34,515	16,233	49,682	5,478	38,048	29,322	135,712
1983	31	111	4,544	26,578	37,376	218,976	7,993	50,230	11,203	33,386	182,079	1,051,739	243,195	1,380,909
1984	36	103	347	5,095	26,014	149,744	16,543	110,161	240,718	835,447	114,246	757,410	397,868	1,857,857
1985	17	21	10	273	4,470	24,372	1,322	9,201	8,889	33,758	3,670	23,806	18,361	91,410
1986	19	44	53	1,134	13,360	82,109	1,016	7,158	25,396	87,430	7,975	52,250	47,800	230,081
1987	9	15	35	993	3,445	18,719	120	795	1,690	6,747	4,604	30,631	9,894	57,885
1988	24	54	94	1,819	15,553	90,794	557	3,742	81,454	284,803	59,136	344,375	156,794	725,533
1989	35	62	81	1,399	21,664	126,476	8,547	55,976	19,030	62,113	39,020	243,122	88,342	489,086
1990	17	29	54	979	17,532	97,122	184	1,197	28,811	90,490	39,284	159,570	85,865	349,358
1991	10	14	46	509	3,459	20,299	4,744	28,645	8,540	25,766	5,434	30,655	22,223	105,874
1992	10	35	15	276	3,450	20,537	5,388	33,676	137,906	470,874	8,738	62,183	155,497	587,546
Averages														
1970-92	11	25	235	1,792	7,522	43,594	2,280	14,780	29,820	102,601	21,621	129,231	61,477	291,998
1983-92	21	49	528	3,906	14,632	84,915	4,641	30,078	56,364	193,081	46,419	275,574	122,584	587,554

Table 96. Kenmore Head to Scotch Cap post June, July 5-December 31, salmon harvest by species, drift gillnet gear, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pound	Number	Pounds	Number	Pounds	Number	Pounds
1970	17	28	8	195	1,953	13,281	15	116	610	2,440	2,095	12,570	4,681	28,602
1971	78	263	25	396	47,409	284,222	351	2,361	1,072	3,656	48,049	312,353	96,906	602,988
1972	30	82	2	20	4,567	28,125	45	346	40	154	12,088	87,574	16,742	116,219
1973	17	22	0	0	1,632	11,413	21	103	40	170	1,089	7,464	2,782	19,150
1974	25	69	6	103	7,135	39,221	1,089	7,317	1,413	5,808	2,055	14,709	11,698	67,158
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980[a]														
1981[a]														
1982	26	148	89	1,422	12,860	75,548	18,983	126,657	25,359	89,424	14,271	99,987	71,562	393,038
1983	23	84	73	876	17,088	99,531	1,770	12,684	799	2,755	15,400	98,558	35,130	214,404
1984	37	310	160	1,803	26,656	155,492	37,700	255,957	70,677	249,526	30,527	211,073	165,720	873,851
1985	33	181	24	388	17,813	96,934	17,821	127,465	21,432	80,316	18,159	124,763	75,249	429,866
1986	28	242	24	426	30,256	188,090	18,894	127,754	27,772	97,533	22,279	161,621	99,225	575,424
1987	54	274	60	1,030	34,830	216,602	30,219	205,838	2,857	9,200	39,506	265,495	107,472	698,165
1988	63	470	95	1,435	34,812	217,993	57,682	416,703	110,294	430,397	46,924	352,837	249,807	1,419,365
1989	80	556	290	4,659	80,413	486,185	83,701	571,864	60,774	234,691	40,235	291,270	265,413	1,588,669
1990	64	444	119	1,824	109,272	739,891	33,826	226,197	20,418	74,756	37,530	272,881	201,165	1,315,549
1991	43	237	62	895	21,721	130,072	51,215	304,340	26,740	101,494	25,465	167,437	125,203	704,238
1992	42	312	47	678	44,935	268,484	58,621	380,270	91,106	327,873	29,252	203,113	223,961	1,180,418
Averages														
1970-92	29	162	47	702	21,527	133,118	17,911	120,260	20,062	74,358	16,742	116,716	76,289	445,154
1983-92	47	311	95	1,401	41,780	259,927	39,145	262,907	43,287	160,854	30,528	214,905	154,835	899,995

[a] Confidentiality requirements prohibit reporting the harvest.

Table 97. Kenmore Head to Scotch Cap post June, July 5-December 31, salmon harvest by species, set gillnet, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pound	Number	Pounds	Number	Pounds	Number	Pounds
1970[a]														
1971[a]														
1972[a]														
1973[a]														
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980[a]														
1981	3	7	0	0	142	870	30	185	46	125	143	1,170	361	2,350
1982	5	27	7	91	1,851	11,473	1,080	6,891	2,333	7,794	189	1,385	5,460	27,634
1983	8	57	32	454	8,101	51,174	393	2,968	303	1,210	1,307	9,471	10,136	65,277
1984	6	168	42	796	13,880	80,992	9,510	66,403	17,402	64,963	8,980	63,973	49,814	277,127
1985	9	192	21	346	13,546	79,328	8,860	66,544	4,395	18,153	6,836	49,841	33,658	214,212
1986	7	156	32	598	16,645	103,463	5,557	36,107	6,764	23,180	7,940	56,489	36,938	219,837
1987	11	97	20	446	9,690	61,347	2,735	17,796	434	1,680	3,432	23,980	16,311	105,249
1988	7	140	57	933	10,010	63,545	8,633	59,987	16,095	66,186	6,232	46,993	41,027	237,644
1989	11	116	68	1,332	12,518	75,216	10,713	73,089	2,889	11,565	3,644	26,397	29,832	187,599
1990	8	89	26	421	13,737	91,233	3,671	24,393	1,818	6,323	2,346	16,859	21,598	139,229
1991	5	64	42	691	7,658	46,126	11,006	68,583	2,263	8,779	6,410	42,926	27,379	167,105
1992	10	72	9	124	11,128	66,249	10,512	70,827	9,767	34,735	5,623	39,910	37,039	211,845
Averages														
1970-92	4	52	15	271	5,186	31,890	3,162	21,475	2,821	10,693	2,327	16,618	13,511	80,946
1983-92	8	115	35	614	11,691	71,867	7,159	48,670	6,213	23,677	5,275	37,684	30,373	182,512

[a] Confidentiality requirements prohibit reporting the harvest.

Table 98. South Peninsula post June, July 5-December 31, salmon harvest by species, all gear combined, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pound	Number	Pounds	Number	Pounds	Number	Pounds
1970	120	1,486	748	12,316	34,520	234,777	32,501	250,296	1,625,413	6,494,983	539,814	3,238,798	2,232,996	10,231,170
1971	157	2,030	1,235	20,189	130,771	784,394	16,899	114,918	1,420,646	4,830,372	753,082	4,894,769	2,322,633	10,644,642
1972	135	796	657	10,458	35,392	229,221	7,976	55,968	59,640	237,675	185,564	1,166,341	289,229	1,699,663
1973	78	486	125	1,307	32,331	244,663	6,397	41,723	35,783	138,131	70,335	562,264	144,971	988,088
1974	80	477	463	4,060	78,761	515,334	9,307	63,114	97,530	386,094	48,332	368,340	234,393	1,336,942
1975	46	90	0	0	3,449	22,935	66	329	55,395	218,720	29,928	191,093	88,838	433,077
1976	93	1,115	5	70	13,693	87,647	213	1,442	2,342,027	10,219,273	118,659	891,969	2,474,597	11,200,401
1977	103	1,315	35	1,111	60,669	475,574	2,108	15,125	1,443,245	5,735,742	126,762	1,029,859	1,632,819	7,257,411
1978	123	2,163	220	4,592	70,015	448,425	60,771	373,716	5,500,069	18,660,692	423,056	3,236,170	6,054,131	22,723,595
1979	161	2,605	1,020	14,890	259,102	1,755,767	356,400	2,405,363	6,396,327	23,207,398	370,973	2,722,202	7,383,822	30,105,620
1980	152	2,761	1,489	18,289	270,071	1,657,390	273,294	1,551,482	6,255,096	20,668,249	817,049	5,428,218	7,616,999	29,323,628
1981	168	2,848	4,403	52,457	303,942	2,016,882	161,897	1,078,008	4,580,142	16,922,850	1,168,353	8,470,205	6,218,737	28,540,402
1982	183	3,304	2,539	36,406	171,438	1,116,942	254,363	1,783,362	5,009,333	17,147,610	1,167,186	9,093,364	6,604,859	29,177,684
1983	201	3,190	12,810	105,598	521,405	3,569,566	127,157	907,284	2,771,640	10,509,106	915,740	6,388,803	4,348,752	21,480,357
1984	215	4,060	4,790	69,461	471,151	3,061,418	310,862	2,198,377	10,665,171	40,006,903	1,296,379	9,406,859	12,748,353	54,743,018
1985	213	2,970	724	14,620	294,782	1,696,473	170,046	1,194,371	4,323,885	17,702,036	912,580	6,293,231	5,702,017	26,900,731
1986	202	3,444	3,586	51,098	687,525	4,730,236	235,852	1,525,159	3,739,423	12,879,800	1,394,332	6,060,718	6,060,718	25,247,011
1987	233	2,926	3,935	51,113	463,090	3,281,501	224,740	1,586,457	1,191,512	4,172,340	929,782	6,764,977	2,813,059	15,856,388
1988	243	4,701	7,011	103,894	716,964	4,807,304	505,278	3,607,999	6,864,600	24,631,178	1,381,796	9,475,649	9,475,649	42,626,024
1989	275	4,191	4,281	69,198	911,092	5,800,621	443,843	2,984,843	7,093,423	26,853,130	538,916	3,712,047	8,991,555	39,419,839
1990	262	3,670	6,187	83,256	1,040,231	6,898,466	307,217	2,133,429	2,350,518	7,669,200	718,399	4,565,324	4,422,552	21,349,675
1991	235	3,902	3,117	42,257	574,089	3,591,857	317,041	1,944,577	9,987,475	31,680,654	804,564	5,387,761	11,686,286	42,647,106
1992	234	4,330	4,133	55,255	872,907	5,467,915	418,217	2,686,541	9,126,950	30,968,830	884,505	6,050,606	11,306,712	45,229,147
Averages														
1970-92	170	2,559	2,761	35,735	348,582	2,282,405	184,454	1,239,299	4,040,663	14,432,216	678,091	4,582,590	5,254,551	22,572,244
1983-92	231	3,738	5,057	64,575	655,324	4,290,536	306,025	2,076,904	5,811,460	20,707,318	977,699	6,410,598	7,755,565	33,549,930

Table 99. South Peninsula post June, July 5-December 31, salmon harvest by species, purse seine gear, 1970-1992.

Year	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pound	Number	Pounds	Number	Pounds	Number	Pounds
1970	103	1,217	734	11,977	18,038	122,689	31,774	244,693	1,547,072	6,181,619	493,201	2,959,120	2,090,819	9,520,098
1971	110	1563	1177	19257	52073	312438	16344	111164	1412730	4803451	689497	4481364	2171821	9727674
1972	83	539	640	10,240	18,196	123,741	7,783	54,481	55,335	221,340	142,895	861,610	224,849	1,271,412
1973	52	292	122	1,237	10,216	73,398	6,137	40,138	32,480	124,189	61,788	496,520	110,743	735,482
1974	43	209	439	3,744	39,900	237,996	8,066	54,680	86,828	340,283	41,138	313,994	176,371	950,697
1975	39	76	0	0	1,642	10,435	37	177	54,435	214,793	29,336	187,427	85,450	412,832
1976	81	1,081	3	40	8,182	47,856	53	322	2,336,801	10,195,824	117,347	881,813	2,462,386	11,125,855
1977	82	1,117	18	519	32,051	237,189	1,034	7,487	1,427,176	5,669,726	114,058	930,832	1,574,337	6,845,753
1978	99	1,916	204	4,125	57,448	355,158	57,842	348,351	5,470,855	18,554,640	403,352	3,085,806	5,989,701	22,348,080
1979	120	2,110	964	13,636	177,083	1,168,081	345,889	2,326,003	6,294,204	22,815,774	339,425	2,495,631	7,157,565	28,819,125
1980	110	2,052	1,421	17,105	166,564	962,572	249,569	1,390,968	6,156,029	20,316,731	732,417	4,858,313	7,306,000	27,545,689
1981	113	1,978	4,272	50,423	170,171	1,074,493	155,651	1,033,521	4,460,485	16,444,705	1,072,987	7,793,392	5,863,566	26,396,534
1982	105	2,029	2,284	32,156	90,283	551,042	219,027	1,529,931	4,845,830	16,537,914	1,058,393	8,274,102	6,215,817	26,925,145
1983	114	1,837	12,529	101,994	257,638	1,726,358	109,822	767,327	2,688,083	10,165,987	828,228	5,747,170	3,896,300	18,508,836
1984	116	2,305	4,335	62,428	240,959	1,492,899	247,342	1,740,438	10,321,564	38,642,974	1,174,269	8,513,742	11,988,469	50,452,481
1985	119	1,646	625	12,617	178,953	994,263	128,931	886,606	4,096,285	16,707,245	828,645	5,713,447	5,233,439	24,314,178
1986	114	1,820	3,395	47,453	412,251	2,796,045	203,505	1,303,152	3,602,769	12,351,525	1,300,638	9,581,873	5,522,558	26,080,048
1987	111	1,289	3,700	46,637	238,678	1,702,096	169,763	1,194,369	1,135,252	3,947,340	811,464	5,929,149	2,358,857	12,819,591
1988	111	2,175	6,586	96,049	423,852	2,776,157	389,723	2,746,365	6,427,823	22,893,498	1,228,987	9,373,114	8,476,971	37,885,183
1989	117	1,644	3,584	58,010	470,465	2,868,983	305,558	2,028,673	6,641,815	25,045,797	417,978	2,851,543	7,839,400	32,853,006
1990	117	1,459	5,605	74,746	524,630	3,418,600	224,354	1,544,590	2,256,837	7,336,629	600,040	3,737,283	3,611,466	16,111,848
1991	118	1,705	2,085	29,074	232,338	1,396,231	199,104	1,178,299	9,614,533	30,360,543	635,031	4,252,502	10,683,091	37,216,649
1992	115	1,861	3,724	49,221	443,201	2,683,422	294,100	1,837,070	8,616,933	29,081,438	776,939	5,296,761	10,134,897	38,947,912
Averages														
1970-92	100	1,475	2,541	32,291	185,427	1,179,658	146,583	972,557	3,894,876	13,867,564	604,263	4,287,674	4,833,690	20,339,744
1983-92	115	1,774	4,617	57,823	342,297	2,185,505	227,220	1,522,689	5,540,189	19,653,298	860,222	6,099,658	6,974,545	29,518,973

Table 100. South Peninsula post June, July 5-December 31, salmon harvest by speices, drift gillnet gear, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pound	Number	Pounds	Number	Pounds	Number	Pounds
1970	45	101	9	219	3,548	24,130	55	425	62,261	249,044	26,261	157,566	92,134	431,384
1971	78	265	25	396	47,694	285,932	351	2,361	1,100	3,751	48,525	315,447	97,695	607,887
1972	53	138	5	102	8,598	52,431	54	418	99	391	31,667	224,519	40,423	277,861
1973	17	22	0	0	1,632	11,413	21	103	40	170	1,089	7,464	2,782	19,150
1974	25	69	6	103	7,135	39,221	1,089	7,317	1,413	5,808	2,055	14,709	11,698	67,158
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	12	18	0	0	31	212	3	20	16,571	57,375	2,241	14,684	18,846	72,291
1980[a]														
1981	7	8	0	0	1,388	8,900	10	75	7,200	24,661	4,821	36,313	13,419	69,949
1982	29	159	90	1,430	13,472	79,319	19,202	128,100	50,748	178,388	17,406	121,090	100,918	508,327
1983	30	128	78	938	19,005	110,974	3,658	26,987	5,586	21,517	19,913	130,959	48,240	291,375
1984	37	315	161	1,810	26,698	155,725	37,805	256,677	78,575	277,356	30,941	214,201	174,180	905,769
1985	33	185	24	388	18,441	100,404	18,033	128,908	21,803	81,783	18,521	127,118	76,822	438,601
1986	29	243	24	426	30,261	188,120	18,901	127,804	27,772	97,533	22,294	161,721	99,252	575,604
1987	54	285	64	1,088	39,360	245,037	30,445	207,212	3,025	9,726	43,115	289,452	116,009	752,515
1988	63	582	142	2,239	44,657	278,880	75,445	544,686	145,106	569,528	68,066	511,463	333,416	1,906,796
1989	81	590	295	4,712	86,343	522,325	88,376	601,217	85,946	326,002	44,605	322,433	305,565	1,776,689
1990	64	533	122	1,874	132,907	898,207	42,659	285,936	32,089	119,573	46,700	337,679	254,477	1,643,269
1991	43	237	62	895	21,721	130,072	51,215	304,340	26,740	101,494	25,465	167,437	125,203	704,238
1992	42	312	47	678	44,935	268,484	58,621	380,270	91,106	327,873	29,252	203,113	223,961	1,180,418
Averages														
1970-92	32	182	50	752	23,836	147,894	19,389	130,559	28,574	106,609	20,998	145,975	92,846	531,790
1983-92	48	341	102	1,505	46,433	289,823	42,516	286,404	51,775	193,239	34,887	246,558	175,713	1,017,527

[a] Confidentiality requirements prohibit reporting the harvest.

Table 101. South Peninsula post June, July 5-December 31, salmon harvest by species, set gillnet gear, 1970-1992.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Year	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pound	Number	Pounds	Number	Pounds	Number	Pounds
1970	24	168	5	120	12,934	87,958	672	5,178	16,080	64,320	20,352	122,112	50,043	279,688
1971	24	202	33	536	31,004	186,024	204	1,393	6,816	23,170	15,060	97,958	53,117	309,081
1972	22	119	12	116	8,598	53,049	139	1,069	4,206	15,944	11,002	80,212	23,957	150,390
1973	25	172	3	70	20,483	159,852	239	1,482	3,263	13,772	7,458	58,280	31,446	233,456
1974	35	199	18	213	31,726	238,117	152	1,117	9,289	40,003	5,139	39,637	46,324	319,087
1975	7	14	0	0	1,807	12,500	29	152	960	3,927	592	3,666	3,388	20,245
1976	14	34	2	30	5,511	39,791	160	1,120	5,226	23,449	1,312	10,156	12,211	74,546
1977	23	198	17	592	28,618	238,385	1,074	7,638	16,069	66,016	12,704	99,027	58,482	411,658
1978	26	247	16	467	12,567	93,267	2,929	25,365	29,214	106,052	19,704	150,364	64,430	375,515
1979	38	477	56	1,254	81,988	587,474	10,508	79,340	85,552	334,249	29,307	211,887	207,411	1,214,204
1980	42	707	68	1,184	103,109	693,031	23,725	160,514	99,055	351,478	84,624	569,844	310,581	1,776,051
1981	48	862	131	2,034	132,383	933,489	6,236	44,412	112,457	453,484	90,545	640,500	341,752	2,073,919
1982	51	1,116	165	2,820	67,683	486,581	16,134	125,331	112,755	431,308	91,387	698,172	288,124	1,744,212
1983	57	1,225	203	2,666	244,762	1,732,234	13,677	112,970	77,971	321,602	67,599	510,674	404,212	2,680,146
1984	62	1,440	294	5,223	203,494	1,412,794	25,715	201,262	265,032	1,086,573	91,169	678,916	585,704	3,384,768
1985	61	1,139	75	1,615	97,388	601,806	23,082	178,857	205,797	913,008	65,414	452,666	391,756	2,147,952
1986	59	1,381	167	3,219	245,013	1,746,071	13,446	94,203	108,882	430,742	71,400	524,970	438,908	2,799,205
1987	68	1,352	171	3,388	185,052	1,334,368	24,532	184,876	53,235	215,274	75,203	546,376	338,193	2,284,282
1988	69	1,944	283	5,606	248,455	1,752,267	40,110	316,948	291,671	1,168,152	84,743	651,042	665,262	3,894,015
1989	76	1,951	346	5,890	352,585	2,400,954	47,463	339,406	362,134	1,469,651	75,594	533,590	838,122	4,749,491
1990	80	1,671	437	6,433	381,728	2,576,535	38,496	293,159	57,117	199,420	69,200	478,132	546,978	3,553,679
1991	73	1,947	660	9,163	316,629	2,051,619	62,891	441,794	336,150	1,188,986	137,394	933,896	853,724	4,625,458
1992	76	2,144	269	4,289	382,551	2,504,302	62,212	448,476	409,440	1,532,857	73,875	524,661	928,347	5,014,585
Averages														
1970-92	46	900	149	2,475	138,959	953,151	17,992	133,307	116,016	454,497	52,208	374,641	325,325	1,918,071
1983-92	68	1,619	291	4,749	265,766	1,811,295	35,162	261,195	216,743	852,627	81,159	583,492	599,121	3,513,358

Table 102. Salmon escapement survey counts in the Aleutian Islands Management Area, 1992.

Stream Number	Stream Name/Location	Date	Survey Condition	Species				Observer	Remarks
				Sockeye	Coho	Pink	Chum		
302	Akutan Harbor	Not Surveyed							
302-80.52	Kuliliak Bay Lakes	Not Surveyed							
302-50.60	Kisselen	Not Surveyed							
302-50.50	Erskine Bay	Not Surveyed							
302-40.11	Morse Cove	Not Surveyed							
302-40.10	Humpy Cove	15-Aug	Good	0	0	1,000	0	Griffin	In lower end; 200 along beach.
		28-Aug	Good	0	0	1,860	0	Ward	Foot survey.
302-40.09	Summer Bay	15-Aug	Good	0	0	200	0	Griffin	Could not see any sockeye. 100 pinks along the beach.
302-40.08	Unalaska Village	08-Aug	Good	0	0	5,000	0	Shaul	
		08-Sep	Good	0	0	9,000	0	Ward	1,000 pinks below the lake.
302-40.07	Pyramid Creek	08-Sep	Good	0	0	147	0	Ward	Foot survey.
302-40.06	Captain's Bay	08-Aug	Poor	0	0	50	0	Shaul	Very poor.
		08-Sep	Good	0	0	2,350	37	Ward	Foot survey.
302-40.05	Nateekin River	08-Aug	Poor	0	0	10,700	0	Shaul	Poor.
		12-Aug	Good	0	0	15,500	0	Griffin	Nothing seen on beach or mouth.
		15-Aug	Good	0	0	25,500	0	Griffin	500 pinks in bight, 100 along the beach.
		08-Sep	Good	0	0	22,000	0	Ward	Surveyed below the canyon.
302-40.03	Makushin Valley	08-Aug	Poor	0	0	0	0	Shaul	Murky water, but no substantial amount of fish.
		15-Aug	Good	0	0	0	0	Griffin	Small schools off mouth, creek murky.
302-30.01	Kalekta Bay	Not Surveyed							
302-15.07	McLees Lake	15-Aug	Poor	6,000	0	0	0	Griffin	Lake murky. 500 sockeye in the right fork, and 5-6,000 in the left fork.

-Continued-

Table 102. (page 2 of 3)

Stream Number	Stream Name/Location	Date	Survey Condition	Species				Observer	Remarks
				Sockeye	Coho	Pink	Chum		
302-15.05	Driftwood Bay	Not Surveyed							
302-13.10	Volcano Bay	08-Aug	Good	2,000	0	0	0	Shaul	A few starting to spawn.
302-14.20	Makushin Village	Not Surveyed							
302-14.18	Glacier Valley	08-Aug	Good	0	0	1,000	0	Shaul	All in the lower end.
302-14.17	Humpback Bay #2	08-Aug	Good	0	0	10,200	0	Shaul	8,000 pinks at the mouth.
		08-Sep	Good	0	0	8,500	0	Ward	
302-14.16	Humpback Bay #1	08-Aug	Good	0	0	14,000	0	Shaul	100,000 pinks at the mouth.
		12-Aug	Good	0	0	30,000	0	Griffin	
		15-Aug	Good	0	0	40,000	0	Griffin	2-3,000 pinks in the lower end.
		08-Sep	Good	0	0	25,000	0	Ward	
302-14.15	Portage Creek #1	Not Surveyed							
302-14.14	Portage Creek #2	15-Aug	Good	0	0	200	0	Griffin	
302-14.13	Portage Creek #3	Not Surveyed							
302-14.12	Portage Creek #4	Not Surveyed							
302-14.11	Cannery Bay	Not Surveyed							
302-14.07	Udamak Cove	Not Surveyed							
302-14.06	Naginak Cove	Not Surveyed							
302-14.01	Unnamed	Not Surveyed							
302-13.07	Skan Bay #1	Not Surveyed							
302-13.06	Skan Bay #2	Not Surveyed							
302-13.05	Skan Bay	Not Surveyed							

-Continued-

Table 102. (page 3 of 3)

Stream Number	Stream Name/Location	Date	Survey Condition	Species				Observer	Remarks
				Sockeye	Coho	Pink	Chum		
302-13.04	Skan Bay #3	Not Surveyed							
302-13.03	Skan Bay #4	Not Surveyed							
302-12.15	Pumicestone Bay	Not Surveyed							
302-12.14	Pumicestone Bay	Not Surveyed							
302-12.11	Pumicestone Bay	08-Aug	Good	0	0	7,000	0	Shaul	
302-12.09	McIver Bight	Not Surveyed							
302-12.07	Kashega West A Lake	08-Aug	Poor	0	0	21,000	0	Ward	Lake too choppy to see sockeye. Additional 2,000 carcasses. 8,000 pinks were in the outlet.
302-12.07	Kashega Bay B	Not Surveyed							
302-12.05	Kismaliuk Bay	Not Surveyed							
302-12.04	Kismaliuk Bay	Not Surveyed							
302-12.03	Kismaliuk Bay	Not Surveyed							
302-12.01	Aspid Bay	Not Surveyed							
302-11.08	Chernofski Harbor	08-Aug	Good	0	0	13,000	0	Shaul	
302-11.06	Station Bay	08-Aug	Good	0	0	6,000	0	Shaul	
302-11.05	Station Bay	Not Surveyed							
302-11.04	Station Bay	Not Surveyed							
302-11.03	No Name Cove	Not Surveyed							
302-11.02	Boulder Bay	Not Surveyed							
302-11.01	Unnamed	Not Surveyed							

Table 103. Peak and estimated total salmon escapement by district, species, and stream for the Aleutian Islands Management Area, 1992.

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
302	Akutan Harbor	Not Surveyed							
302-80.52	Kuliliak Bay Lakes	Not Surveyed							
302-50.60	Kisselen	Not Surveyed							
302-50.50	Erskine Bay	Not Surveyed							
302-40.11	Morse Cove	Not Surveyed							
302-40.10	Humpy Cove	0	0	0	0	1,860	3,720	0	0
302-40.09	Summer Bay	0	0	0	0	200	400	0	0
302-40.08	Unalaska Village	0	0	0	0	9,000	33,933	0	0
302-40.07	Pyramid Creek	0	0	0	0	147	294	0	0
302-40.06	Captain's Bay	0	0	0	0	2,350	4,700	37	74
302-40.05	Nateekin River	0	0	0	0	25,500	55,503	0	0
302-40.03	Makushin Valley	0	0	0	0	0	0	0	0
302-30.01	Kalekta Bay	Not Surveyed							
302-15.07	McLees Lake	6,000	12,000	0	0	0	0	0	0

-Continued-

Table 103. (page 2 of 4)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
302-15.05	Driftwood Bay	Not Surveyed							
302-13.10	Volcano Bay	2,000	4,000	0	0	0	0	0	0
302-14.20	Makushin Village	Not Surveyed							
302-14.18	Glacier Valley	0	0	0	0	1,000	2,000	0	0
302-14.17	Humpback Bay #2	0	0	0	0	10,200	28,673	0	0
302-14.16	Humpback Bay #1	0	0	0	0	40,000	80,000	0	0
302-14.15	Portage Creek #1	Not Surveyed							
302-14.14	Portage Creek #2	0	0	0	0	200	400	0	0
302-14.13	Portage Creek #3	Not Surveyed							
302-14.12	Portage Creek # 4	Not Surveyed							
302-14.11	Cannery Bay	Not Surveyed							
302-14.07	Udamak Cove	Not Surveyed							

-Continued-

Table 103. (page 3 of 4)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
302-14.06	Naginak Cove	Not Surveyed							
302-14.01	Unnamed	Not Surveyed							
302-13.07	Skan Bay #1	Not Surveyed							
302-13.06	Skan Bay #2	Not Surveyed							
302-13.05	Skan Bay	Not Surveyed							
302-13.04	Skan Bay #3	Not Surveyed							
302-13.03	Skan Bay #4	Not Surveyed							
302-12.15	Pumicestone Bay	Not Surveyed							
302-12.14	Pumicestone Bay	Not Surveyed							
302-12.11	Pumicestone Bay	0	0	0	0	7,000	14,000	0	0
302-12.09	McIver Bight	Not Surveyed							
302-12.07	Kashega West A Lake	0	0	0	0	21,000	42,000	0	0
302-12.07	Kashega Bay B	Not Surveyed							
302-12.05	Kismaliuk Bay	Not Surveyed							

-Continued-

Table 103. (page 4 of 4)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
302-12.04	Kismaliuk Bay	Not Surveyed							
302-12.03	Kismaliuk Bay	Not Surveyed							
302-12.01	Aspid Bay	Not Surveyed							
302-11.08	Chernofski Harbor	0	0	0	0	13,000	26,000	0	0
302-11.06	Station Bay	0	0	0	0	6,000	12,000	0	0
302-11.05	Station Bay	Not Surveyed							
302-11.04	Station Bay	Not Surveyed							
302-11.03	No Name Cove	Not Surveyed							
302-11.02	Boulder Bay	Not Surveyed							
302-11.01	Unnamed	Not Surveyed							
Aleutian Islands Area Total		8,000	16,000	0	0	137,457	303,623	37	74

For all salmon escapements with only a peak count or where the computed value was less than the peak count, an expansion factor of 2.0 was used.

Table 104. Salmon escapement survey counts in the Atka-Amlia Management Area, 1992.

Stream Number	Stream Name/Location	Date	Survey Condition	Species				Observer	Remarks
				Sockeye	Coho	Pink	Chum		
	Atka Island								
305-49.140	Village Creek	29-Jul	Good	0	0	7	0	Campbell	50 pinks at mouth.
		08-Aug	Good	0	0	195	0	Campbell	50 pinks at the mouth. Poor visibility in the bay.
		14-Aug	Good	0	0	815	0	Campbell	500 pinks at mouth. Plus 1,000 pinks in the bay.
		24-Aug	Good	0	0	2,982	4	Campbell	320 pinks at mouth. Plus 2,500 pinks in the bay.
		04-Sep	Good	0	0	2,852	0	Campbell	250 pinks at mouth. Plus 260 pink carcasses. Poor visibility in the bay, fish there but no count possible.
305-49.160	Range Creek	13-Aug	Poor	0	0	1,202	0	Campbell	
		16-Aug	Good	0	0	3,350	3	Campbell	400 pinks at mouth.
		21-Aug	Fair	0	1	5,045	1	Campbell	600 pinks at mouth. 1 king in lower end of stream. Poor visibility at the mouth.
		27-Aug	Fair	0	2	4,985	0	Campbell	650 pinks at mouth. 1 king in lower end of stream. Poor visibility at the mouth and the first 100 yards of the stream.
		31-Aug	Good	0	2	4,212	0	Campbell	365 pinks, and 1 coho at mouth. 1 king in lower end of stream.
305-49.150	Army Dock Creek	13-Aug	Poor	0	0	687	0	Campbell	Very poor visibility; could not see any fish at mouth.
		16-Aug	Good	0	0	1,415	0	Campbell	630 pinks at mouth.
		21-Aug	Fair	0	0	3,094	0	Campbell	600 pinks at mouth.
		27-Aug	Fair	0	0	3,750	0	Campbell	300 pinks at mouth. Paired up and spawning.
		31-Aug	Good	0	0	3,903	0	Campbell	280 pinks at mouth.Plus 21 pink carcasses.
305-42.260	Korovin Creek	10-Aug	Good	0	0	0	0	Campbell	
		23-Aug	Fair	1,100	0	3,420	0	Campbell	30 pinks at mouth. 1 pink carcass in stream. 1,000 sockeye spawning in the lake. Poor visibility in the lake, and at the mouth.
		28-Aug	Fair	10	0	2,644	0	Campbell	22 pinks at mouth. 2 jumpers in bay.
305-42.290	Korovinski Lagoon	12-Aug	Good	0	0	85	1,117	Campbell	10 pink jumpers in bay. Plus 1 chum carcass.
		19-Aug	Fair	0	0	2,700	1,397	Campbell	10 pinks at mouth.
		25-Aug	Good	0	0	3,442	1,388	Campbell	8 pinks and 1 chum at mouth. Plus 3 pink and 463 chum carcasses.

-Continued-

Table 104. (page 2 of 3)

Stream Number	Stream Name/Location	Date	Survey Condition	Species				Observer	Remarks
				Sockeye	Coho	Pink	Chum		
305-42.300	North Harbor	12-Aug	Fair	0	0	1,297	0	Holmes	6 jumpers in bay. Plus 1 pink carcass.
		25-Aug	Fair	0	0	4,645	4	Campbell	
305-42.280	Clear Creek	11-Aug	Good	0	0	223	0	Campbell	Clear tributary off Milky River.
		28-Aug	Good	0	0	540	0	Campbell	Survey of lower half of stream.
305-42.250	Martin Harbor	18-Aug	Poor	0	0	1,712	0	Campbell	300 pinks at mouth.
		26-Aug	Good	0	0	2,736	0	Campbell	250 pinks at mouth.
		02-Sep	Good	0	0	2,748	0	Campbell	150 pinks in bay. Plus 97 pink carcasses.
305-42.270	Unnamed	18-Aug	Fair	0	0	0	0	Campbell	200 pinks at mouth. Checked mouth from boat.
305-42.240	Sarana Cove	18-Aug	Fair	0	0	0	0	Campbell	500 pinks at mouth. Checked mouth from boat.
		26-Aug	Good	0	0	1,000	0	Campbell	
		02-Sep	Good	0	0	1,052	0	Campbell	30 pinks in bay. Plus 12 pink carcasses.
305-42.230	Sarana Cove	18-Aug	Fair	0	0	1,492	0	Campbell	500 pinks at mouth.
		26-Aug	Good	0	0	2,888	0	Campbell	650 pinks at mouth.
		02-Sep	Good	0	0	3,800	0	Campbell	708 pinks, and 2 sockeye at the mouth. Plus 250 pink, and 2 sockeye carcasses.
305-42.220	Sarana Cove	18-Aug	Poor	0	0	259	0	Campbell	600 pinks at mouth.
		26-Aug	Good	0	0	465	0	Campbell	7 pinks at mouth.
		02-Sep	Good	0	0	782	0	Campbell	10 pinks at mouth. Plus 11 pink carcasses.
305-42.210	Unnamed	19-Aug	Good	0	0	10	0	Campbell	20 pinks at mouth. Survey of mouth.
305-42.200	Egg Bay	19-Aug	Good	0	0	2,010	0	Campbell	10 pinks at mouth.
305-32.190	Vasilief Bay	05-Aug	Good	0	0	0	0	Campbell	Nothing.
305-32.200	Vasilief Bay	05-Aug	Good	0	0	0	0	Campbell	Nothing.
305-32.230	Vasilief Bay	05-Aug	Good	0	0	0	0	Campbell	Nothing.
		29-Aug	Good	4	3	1,475	0	Campbell	Plus 3 pink carcasses.
305-32.240	Vasilief Bay	05-Aug	Good	0	0	0	0	Campbell	30 pinks at mouth.
		29-Aug	Good	0	3	2,880	0	Campbell	

-Continued-

Table 104. (page 3 of 3)

Stream Number	Stream Name/Location	Date	Survey Condition	Species				Observer	Remarks
				Sockeye	Coho	Pink	Chum		
305-32.270	Vasilief Bay	05-Aug	Good	0	0	0	0	Campbell	400 pinks and 100 chums at mouth. Plus 750-1,000 salmon (mixed) holding in the cove.
		20-Aug	Good	0	0	6,242	0	Campbell	390 pinks at mouth. Chums paired and spawning. Additional 10 chum carcasses.
		29-Aug	Good	2	0	5,975	362	Campbell	250 pinks and 1 chum at mouth. Plus 23 chum carcasses.
305-32.290	Unnamed	05-Aug	Good	0	0	0	0	Campbell	Nothing.
	Amlia Island								
305-52.110	Unnamed	06-Aug	Good	0	0	0	0	Campbell	Nothing.
305-52.90	Hungry Bay	06-Aug	Good	0	0	0	0	Campbell	Nothing.
305-52.60	Hungry Bay	06-Aug	Good	0	0	0	0	Campbell	700 pinks at mouth.
305-52.40	Unnamed	06-Aug	Good	0	0	0	0	Campbell	Nothing.

All surveys were on foot unless otherwise noted in the remarks.

A fifteen day average stream life was used for all pink and chum salmon escapements.

For all pink and chum salmon escapements with only a peak count or where the computed value was less than the peak count, an expansion factor of 1.65 was used for pink salmon, and 1.7 for chum salmon. The values were derived from the ratio of peak count to total estimated escapement for streams where ascending, peak count, and descending counts are available.

Table 105. Peak and estimated total salmon escapement by district, species, and stream for the Atka-Amlia Management Area, 1992.

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
Atka Island									
305-49.140	Village Creek	0	0	0	0	2,982	5,100	4	7
305-49.160	Range Creek	0	0	2	2	5,045	8,324	3	5
305-49.150	Army Dock Creek	0	0	0	0	3,903	6,679	0	0
305-42.260	Korovin Creek	1,100	2,200	0	0	3,420	5,643	0	0
305-42.290	Korovinski Lagoon	0	0	0	0	3,442	5,679	1,397	2,396
305-42.300	North Harbor	0	0	0	0	4,645	7,664	4	7
305-42.280	Clear Creek	0	0	0	0	540	1,043	0	0
305-42.250	Martin Harbor	0	0	0	0	2,748	5,295	0	0
305-42.270	Unnamed	0	0	0	0	200	200	0	0
305-42.240	Sarana Cove	0	0	0	0	1,052	1,736	0	0
305-42.230	Sarana Cove	0	0	0	0	3,800	6,308	0	0
305-42.220	Sarana Cove	0	0	0	0	782	1,290	0	0
305-42.210	Unnamed	0	0	0	0	10	17	0	0

-Continued-

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Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
305-42.200	Egg Bay	0	0	0	0	2,010	3,317	0	0
305-32.190	Vasilief Bay	0	0	0	0	0	0	0	0
305-32.200	Vasilief Bay	0	0	0	0	0	0	0	0
305-32.230	Vasilief Bay	4	4	3	3	1,475	2,434	0	0
305-32.270	Vasilief Bay	2	2	0	0	6,242	10,299	362	615
305-32.290	Unnamed	0	0	0	0	0	0	0	0
Amlia Island									
305-52.110	Unnamed	0	0	0	0	0	0	0	0
305-52.90	Hungry Bay	0	0	0	0	0	0	0	0
305-52.60	Hungry Bay	0	0	0	0	700	700	0	0
305-52.40	Unnamed	0	0	0	0	0	0	0	0
Atka-Amlia Area Total		1,106	2,206	5	5	42,996	71,728	1,770	3,030

[a] A fifteen day average stream life was used for all pink and chum salmon escapements. For all pink and chum salmon escapements with only a peak count or where the computed value was less than the peak count, an expansion factor of 1.65 was used for pink salmon, and 1.7 for chum salmon. The values were derived from the ratio of peak count to total estimated escapement for streams where ascending, peak count, and descending counts were available. Sockeye escapements were estimated by an expansion factor of 2.0.

Table 106. Subsistence salmon harvest by community and species, in number of fish, Alaska Peninsula Area and Unalaska Island, 1985-1992.

Year	Permits Issued	Chinook	Sockeye	Coho	Pink	Chum	Total
SAND POINT							
1985	60	30	1,410	1,686	420	1,146	4,692
1986	75	45	2,505	1,208	1,560	1,005	6,323
1987	84	87	2,018	1,508	1,160	1,114	5,887
1988	74	146	2,694	853	1,326	1,175	6,194
1989	86	53	6,347	1,050	731	1,149	9,330
1990	80	160	5,648	620	429	1,051	7,908
1991	84	420	6,636	1,092	1,260	2,772	12,180
1992	76	318	4,733	518	1,228	1,036	7,833
KING COVE							
1985	39	0	784	3,292	105	20	4,201
1986	24	2	1,834	919	14	120	2,889
1987	39	3	2,320	1,662	206	334	4,525
1988	28	3	555	2,855	265	43	3,721
1989	39	3	1,982	1,973	294	690	4,942
1990	43	24	1,054	2,832	265	367	4,542
1991	60	0	1,477	3,611	225	386	5,699
1992	61	9	1,452	2,891	327	1,177	5,856
COLD BAY							
1985	10	0	293	84	34	3	414
1986	18	0	184	264	14	26	488
1987	10	0	293	84	34	3	414
1988	24	0	737	66	2	0	805
1989	18	0	231	55	4	22	312
1990	14	0	322	70	1	22	415
1991	23	0	517	30	6	4	557
1992	15	0	336	38	0	0	374
FALSE PASS							
1985	10	30	578	1,858	13	395	2,874
1986	12	13	158	215	188	299	873
1987	12	14	103	443	163	389	1,112
1988	10	11	401	834	29	192	1,467
1989	7	0	231	55	4	22	312
1990	9	1	170	193	19	79	462
1991	17	17	724	500	354	165	1,760
1992	12	12	1,082	502	242	248	2,086
NELSON LAGOON/PORT MOLLER							
1985	9	5	207	252	2	0	466
1986	9	13	284	302	3	5	607
1987	10	22	245	254	5	14	540
1988	13	26	284	184	0	25	519
1989	9	21	250	227	0	11	509
1990	8	11	291	224	0	0	526
1991	8	20	370	139	1	4	534
1992	9	17	298	191	7	12	525

-Continued-

Table 106. (page 2 of 2)

Year	Permits Issued	Chinook	Sockeye	Coho	Pink	Chum	Total
PORT HEIDEN							
1985	6	9	176	0	0	0	185
1986	4	28	282	0	0	0	310
1987	10	66	193	229	0	36	524
1988	10	69	268	134	23	105	599
1989	4	7	222	28	1	4	262
1990	3	21	107	20	0	27	175
1991	6	39	775	25	3	120	562
1992	3	21	104	10	0	25	160
TOTAL ALASKA PENINSULA AREA COMMUNITIES							
1985	134	74	3,448	7,172	574	1,564	12,832
1986	142	101	5,247	2,908	1,779	1,455	11,490
1987	185	192	5,499	4,251	1,547	1,941	13,430
1988	159	255	4,939	4,926	1,645	1,540	13,305
1989	163	88	9,368	3,433	1,205	1,923	16,017
1990	166	217	7,592	3,959	714	1,546	14,028
1991	198	457	9,998	5,413	1,820	3,372	21,060
1992	176	377	8,005	4,150	1,804	2,498	16,834
1985-91 Avg.	**158**	**187**	**6,584**	**4,580**	**1,326**	**1,906**	**14,595**
UNALASKA							
1985	65	0	897	208	1,293	20	2,418
1986	121	0	3,449	847	2,468	375	7,139
1987	81	0	1,097	378	1,780	151	3,406
1988	74	1	962	390	2,626	83	4,062
1989	70	2	1,064	470	1,292	36	2,864
1990	94	4	2,357	681	1,428	100	4,570
1991	89	0	1,294	666	1,075	45	3,080
1992	144	7	2,739	587	1,723	11	5,067
1985-91 Avg.	**85**	**1**	**1,589**	**520**	**1,709**	**116**	**3,934**

Table 107. Subsistence salmon harvest by community and species, in number of fish, 1992.

Community	Permits Issued	Permits Returned	Percent Returned	Projected Harvest (Fish) Chinook	Sockeye	Coho	Pink	Chum	Total
Sand Point	76	64	84.2	318	4,733	518	1,228	1,036	7,833
King Cove	61	35	57.4	9	1,452	2,891	327	1,177	5,856
Cold Bay	15	13	86.7	0	336	38	0	0	374
False Pass	12	10	83.3	12	1,082	502	242	248	2,086
Nelson Lagoon	9	7	77.8	17	298	191	7	12	525
Port Heiden	3	3	100.0	21	104	10	0	25	160
Total Alaska Peninsula Residents	**176**	**132**	**75.0**	**377**	**8,005**	**4,150**	**1,804**	**2,498**	**16,834**
Non-local Alaska Residents	53	45	84.9	8	2,734	117	36	76	2,971
Total Alaska Peninsula Area	**229**	**177**	**77.3**	**385**	**10,739**	**4,267**	**1,840**	**2,574**	**19,805**
Unalaska									
Local Residents	144	102	70.8	7	2,739	587	1,723	11	5,067
Non-local Residents	0	0	0	0	0	0	0	0	0
Total Unalaska	**144**	**102**	**70.8**	**7**	**2,739**	**587**	**1,723**	**11**	**5,067**

Table 108. Average subsistence salmon harvest by species, successful permit holder, 1992.

Community	Chinook	Sockeye	Coho	Pink	Chum	Total
Sand Point	5.7	84.8	9.3	22.0	18.6	140.4
King Cove	0.2	33.3	66.3	7.5	27.0	134.3
Cold Bay	0	22.4	2.5	0	0	24.9
False Pass	1.0	90.2	41.8	20.2	20.7	173.9
Nelson Lagoon	2.5	43.5	27.8	1.0	1.7	76.5
Port Heiden	10.5	52.0	5.0	0	12.5	80.0
Unalaska	0.1	28.1	6.0	17.7	0.1	52.0
Non-local Alaska Residents	0.2	66.7	2.9	0.9	1.9	72.6

Table 109. Mortensen's Lagoon subsistence and commercial sockeye and coho salmon harvests, 1992[a].

	Estimated Permits	Sockeye	Coho
Cold Bay Residents	15	336	38
King Cove Residents	1	0	20
Out of Area Residents	18	515	46
Total	34	851	104

[a] The number of permit holders and the number of fish caught are extrapolated from returned permits.

	Boats	Sockeye	Coho
Commercial Harvest[b]	6	371	140

[b] The commercial harvest includes all of statistical area 284-62 (formerly 283-32), some of the fish may have been destined for systems other than Mortensen's Lagoon.

Escapements	
Sockeye (Indexed Total)	Coho
9,100	-

Table 110. Thin Point Cove subsistence and commercial sockeye and coho salmon harvests, 1992.

Fishery	Permit Holders	Sockeye	Coho
Subsistence[a]	23	547	927
Commercial[b]	16	30,356	8,906
Total Harvest		30,903	9,833

a The number of subsistence permit holders fishing Thin Point Cove and the number of fish caught are extrapolated from permit returns. All subsistence fishermen fishing Thin Point Cove during 1992 are all estimated to be King Cove residents, except one non local resident.

b The commercial information came from fish tickets.

The indexed total sockeye escapement was 32,600. This figure is probably close to but less than the actual figure. The peak coho estimate was 15,000.

Table 111. Reese Bay (Unalaska Island) subsistence salmon harvest, 1992.

Estimated Permits[a]	Sockeye[b]	Coho	Pinks
59	2,479	0	0

[a] The number of permit holders and number of fish caught are extrapolated from returned permits.

[b] The sockeye escapement (one survey August 15) was estimated to be approximately 6,000.

Table 112. Estimated Mortensen Lagoon, Thin Point Cove, and Reese Bay subsistence salmon harvests, 1982-1992.

Year	Mortensen's Lagoon (Estimated) Permits	Sockeye	Coho	Thin Point Cove (Estimated) Permits	Sockeye	Coho	Reese (Wislow) Bay (Estimated) Permits	Sockeye	Coho
1982	30	590	1,145	-	-	-	-	-	
1983	41	300	1,600	-	-	-	-	-	
1984	27	745	500	-	-	-	-	-	
1985	22	590	831	-	-	-	23	669	0
1986	12	362	178	15	1,586	656	54	2,824	0
1987	22	604	254	15	1,226	966	20	806	0
1988	21	737	66	17	488	2,196	21	792	0
1989	19	420	28	17	1,479	1,239	12	436	16
1990	27	745	95	29	751	2,578	12	1,421	160
1991	42	1,144	83	27	913	3,154	35	1,180	0
1992	34	851	104	23	547	927	59	2,479	0
AVERAGE	27	644	444	20	999	1,674	30	1,326	22

Table 113. Average subsistence salmon harvest, in number of fish, per successful permit holder, Alaska Peninsula Area and Unalaska, 1987-1992.

Community	1987	1988	1989	1990	1991	1992
Sand Point	101	119	123	152	176	140
King Cove	156	149	155	134	124	134
Cold Bay	43	38	25	32	29	25
False Pass	101	163	126	69	104	174
Nelson Lagoon/ Port Moller	77	58	57	66	67	77
Port Heiden	52	86	87	88	141	80
Unalaska	79	78	58	55	55	52

Table 114. Estimated Adak-Kagalaska Islands personal use salmon catches, 1992.

Permit Holders	52
Number of Returned Permits	41 (78.8%)
Number of Returned Permits Reporting Catch	17 (41.5% of returned permits)
Estimated Number of Permit Holders That Caught Salmon	22

Average Catch Per Successful Permit Holder

Chinook	Sockeye	Coho	Pinks	Chums	Total
0	26.0	1.4	0.2	0	27.6

Estimated Total Catch

Chinook	Sockeye	Coho	Pinks	Chums	Total
0	572	30	4	0	606

Approximately 75% of the sockeye were caught at Quail Bay on Kagalaska Island with the remainder taken at Hidden Bay on Adak Island.

Table 115. Adak-Kagalaska Islands estimated personal use salmon catches, 1988-1992.

Year	Permits Issued	Permits Returned	Percent Returned	Estimated Catch					
				Chinook	Sockeye	Coho	Pinks	Chums	Total
1988	43	29	67.4	0	503	23	150	0	676
1989	64	47	73.3	0	382	0	117	0	499
1990	61	29	47.5	0	800	47	41	0	888
1991	37	31	86.5	0	281	6	34	0	321
1992	52	41	78.8	0	572	30	4	0	606

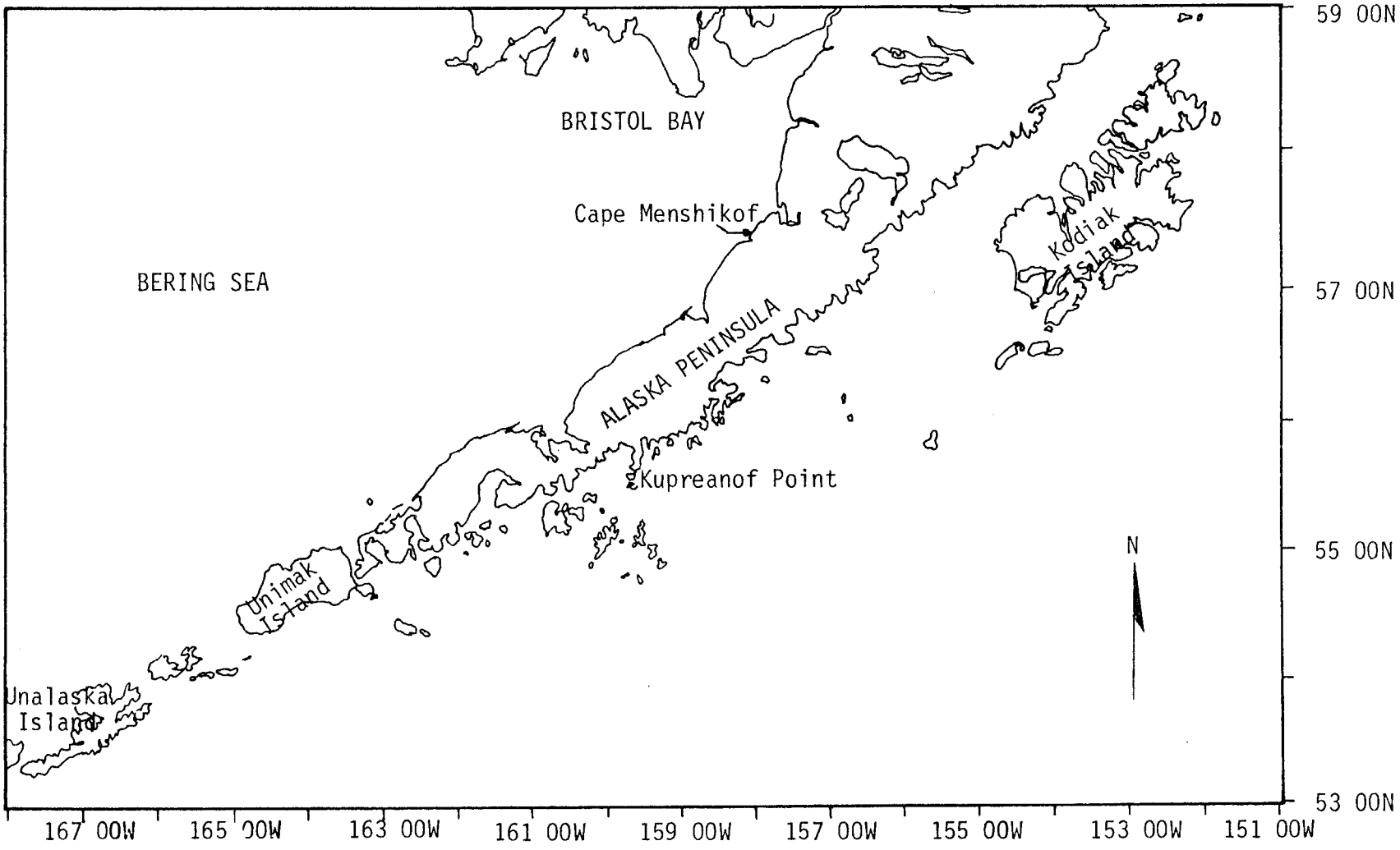


Figure 1. Map of Alaska Peninsula and Aleutian Islands Areas, the study area on the Pacific portion of the map is from Kupreanof Point to Unalaska Island and on the Bering Sea from Unalaska Island to Cape Menshikof.

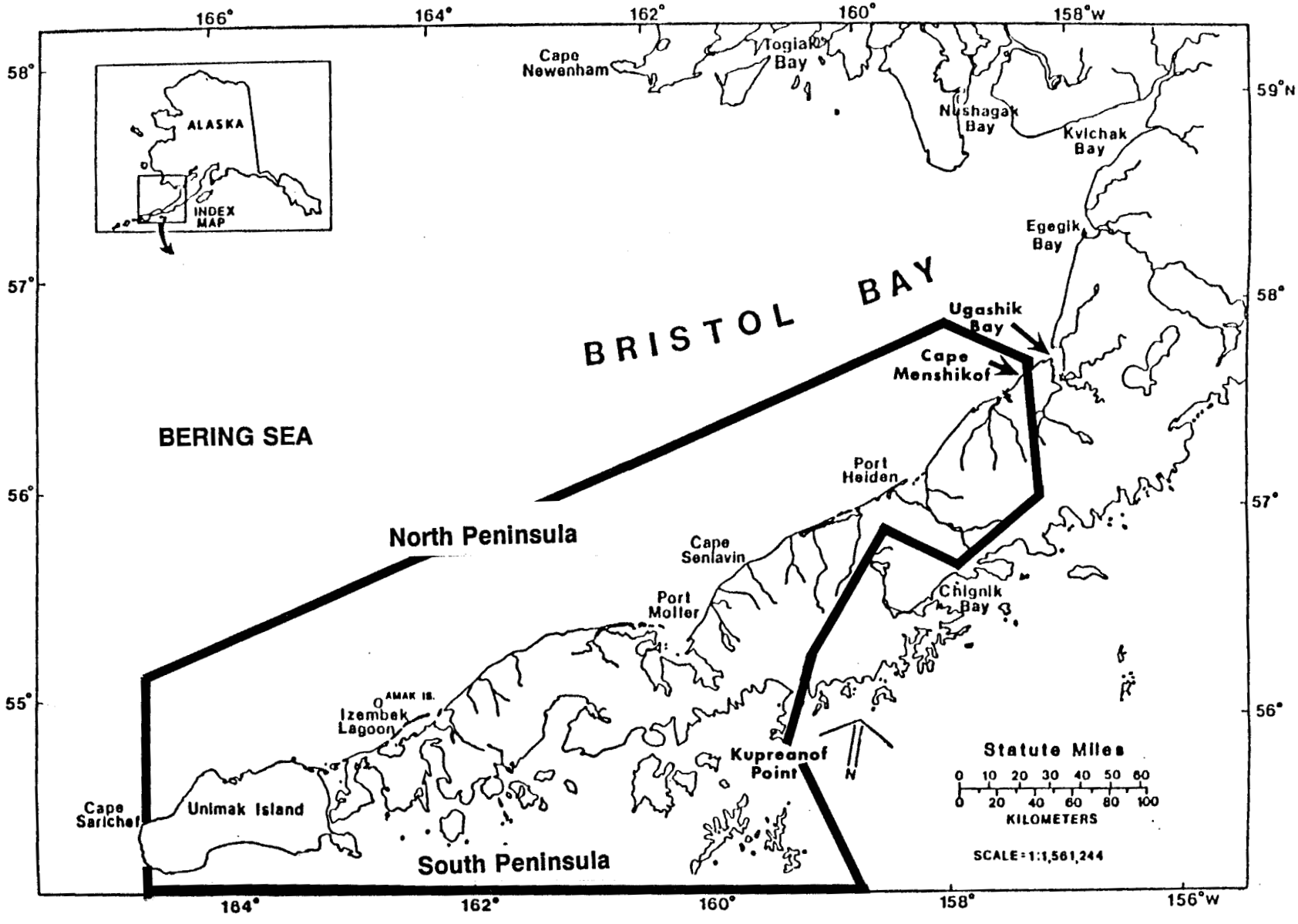
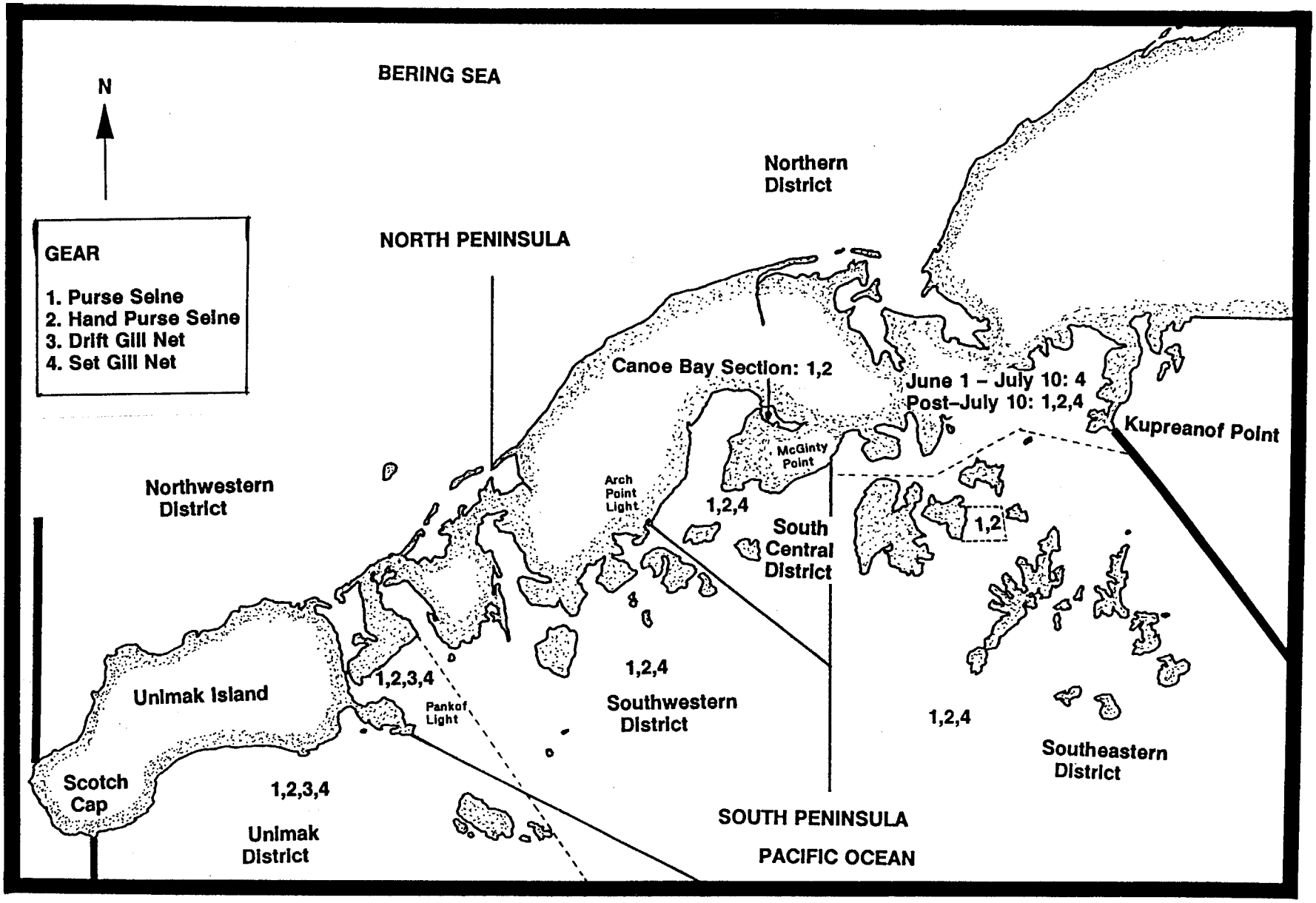


Figure 2. Map of the Alaska Peninsula Management Area, with the North and South Peninsula areas shown.



Set Gill Net gear may be used throughout the South Peninsula during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

Figure 3. Map of the Alaska Peninsula Area from Kupreanof Point to Scotch Cap with the allowable gear types shown.

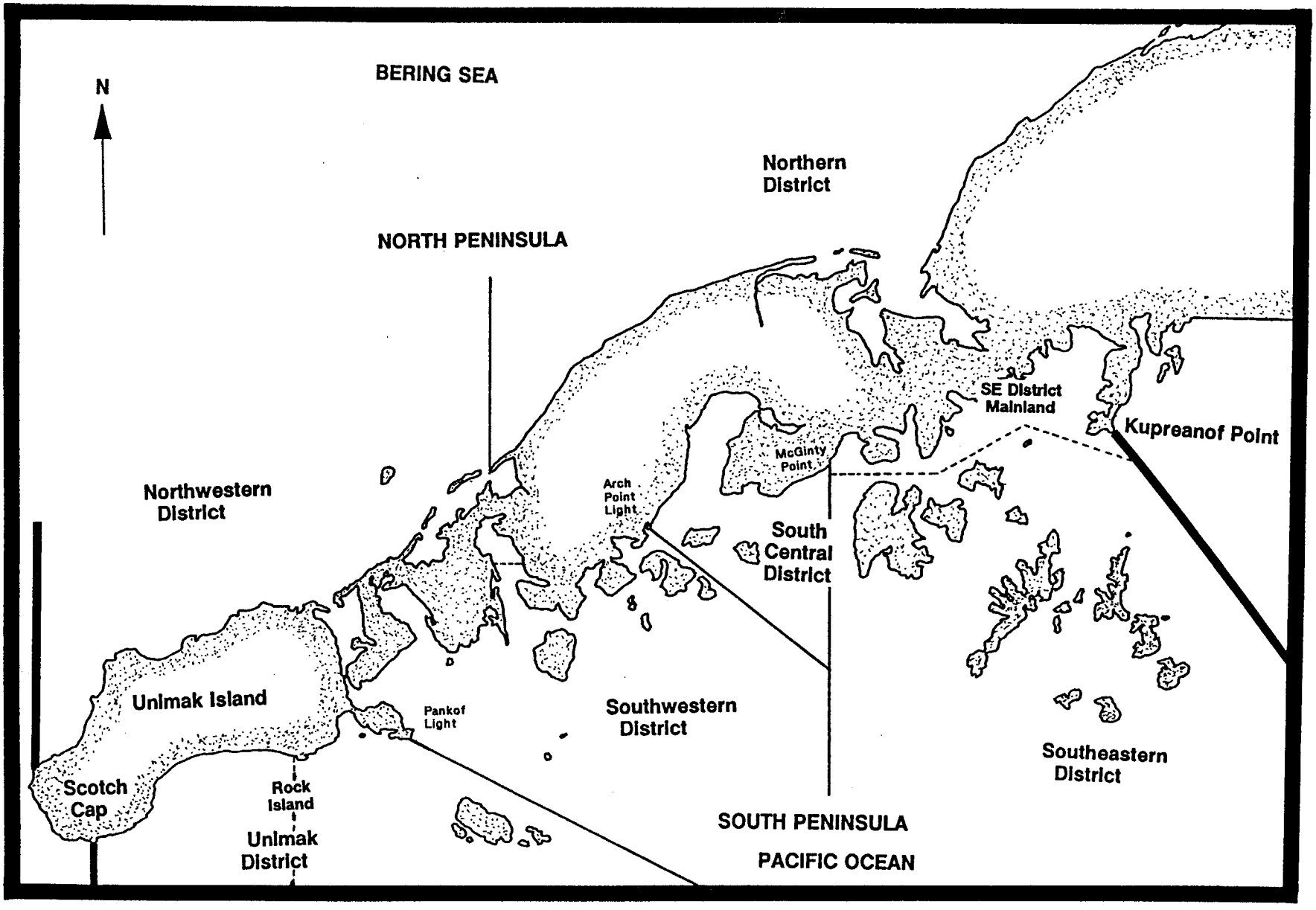


Figure 4. Map of the Alaska Peninsula Area from Kupreanof Point to Scotch Cap with the general post June fishing area (Rock Island-Kupreanof Point), the Southeastern District Mainland area, and districts shown.

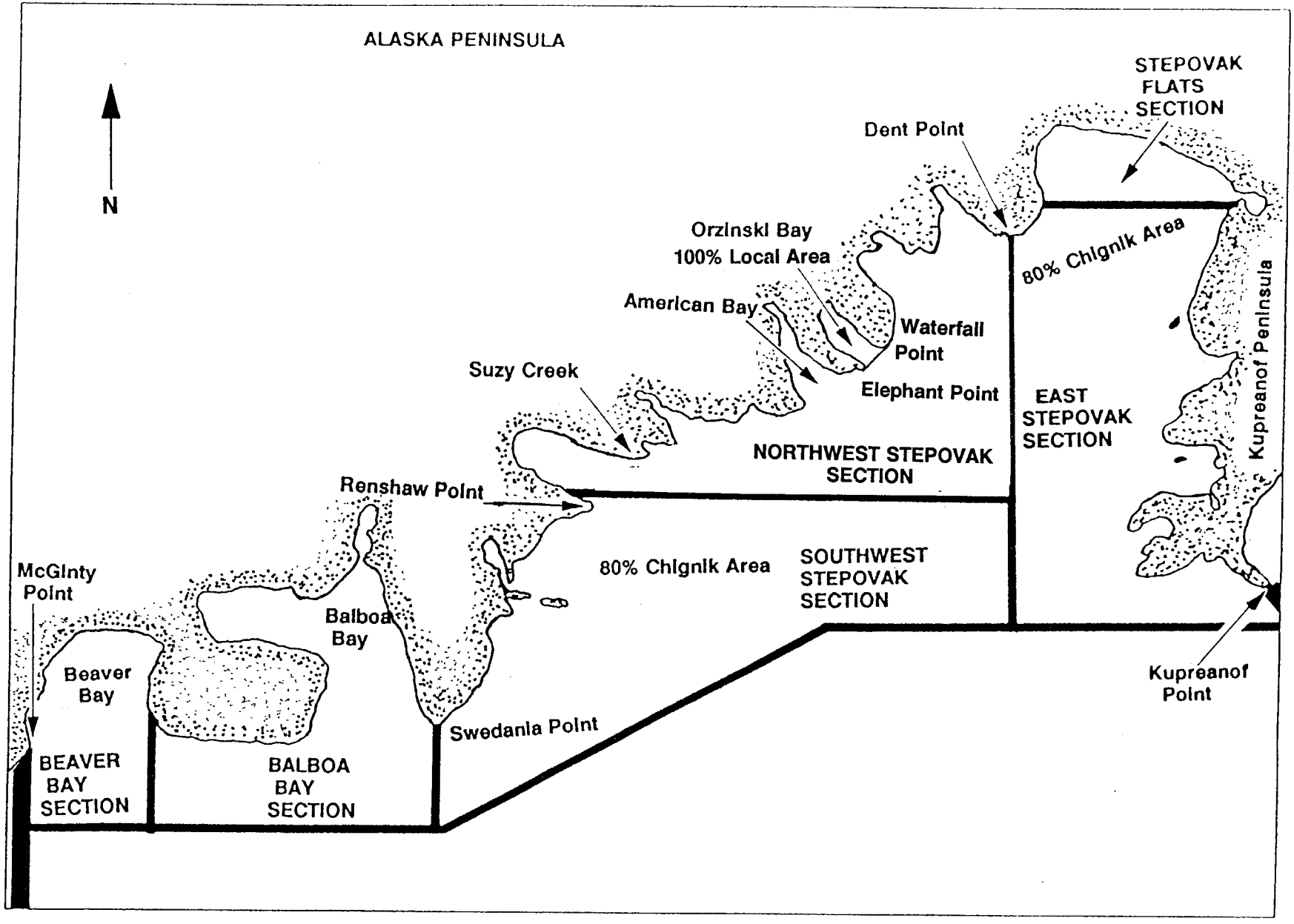


Figure 5. Map of the Southeastern District Mainland fishery from Kupreanof Point to McGinty Point with the salmon sections defined.

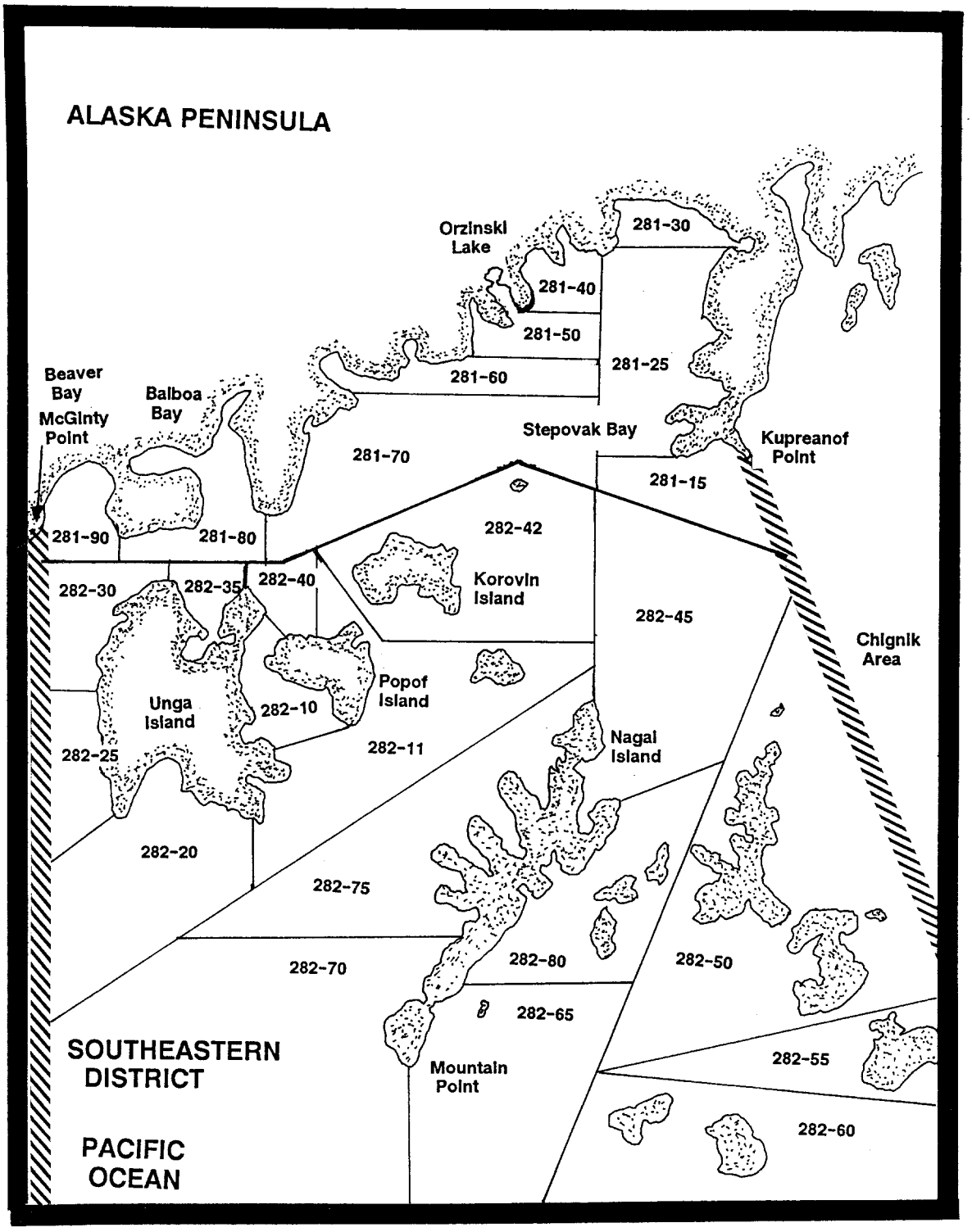


Figure 6. Map of the Alaska Peninsula Area from Kupreanof Point to McGinty Point (Southeastern District) with statistical salmon fishing areas shown.

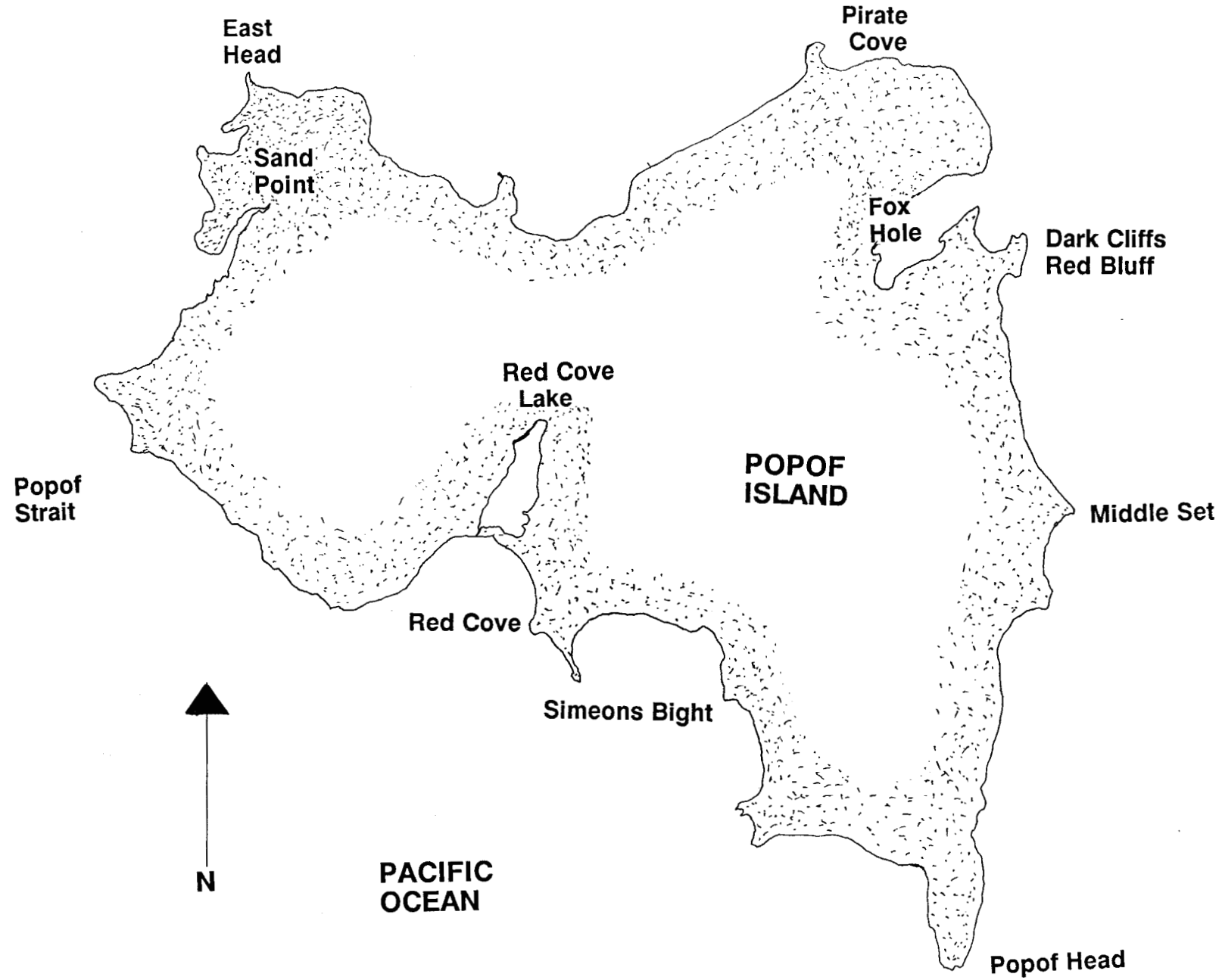


Figure 7. Map of Popof Island with the test fishing sites defined.

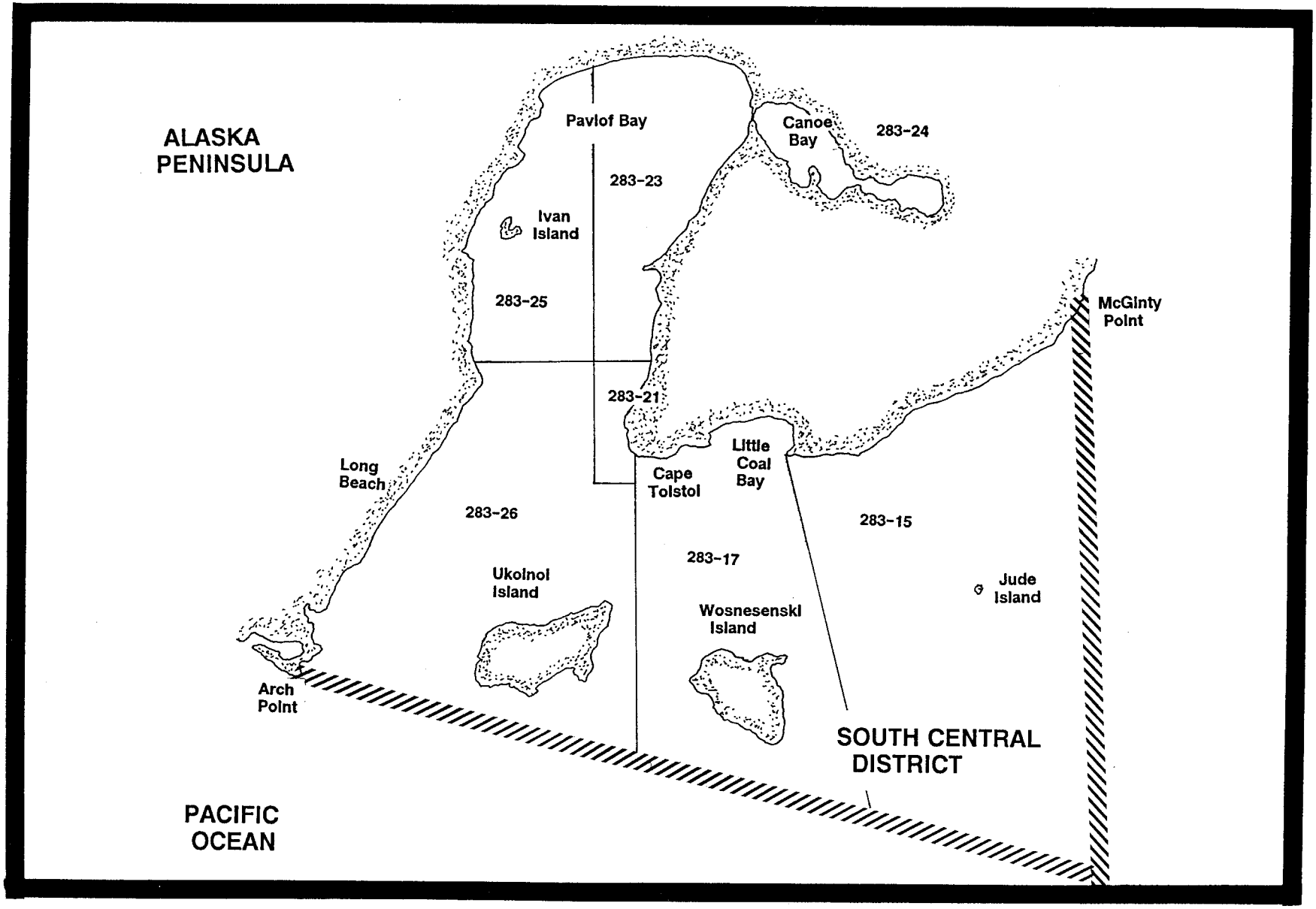


Figure 8. Map of the Alaska Peninsula Area from McGinty Point to Arch Point (South Central District) with the statistical salmon fishing areas shown.

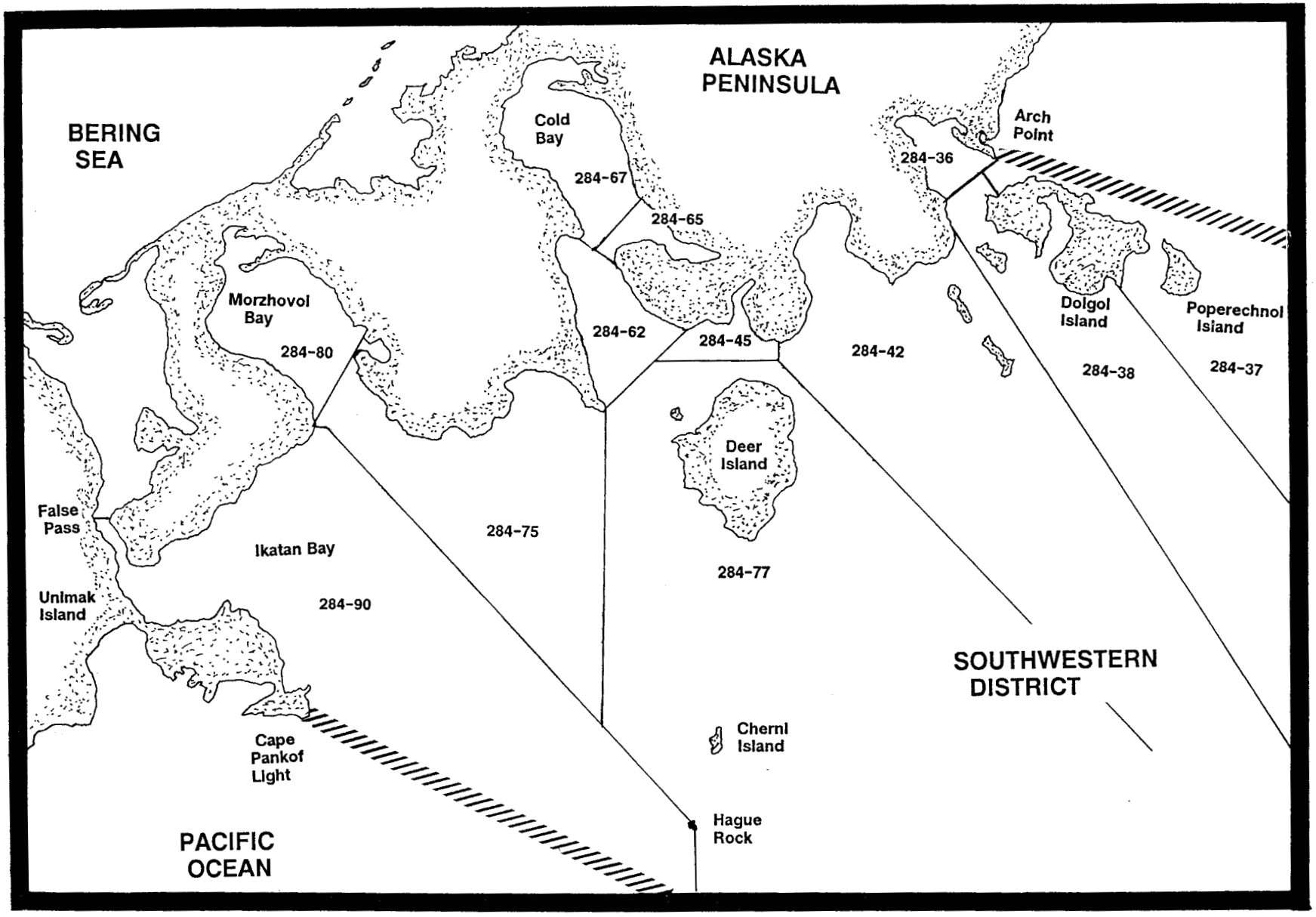


Figure 9. Map of the Alaska Peninsula Area from Arch Point to Unimak Island (Southwestern District) with the statistical salmon fishing areas shown.

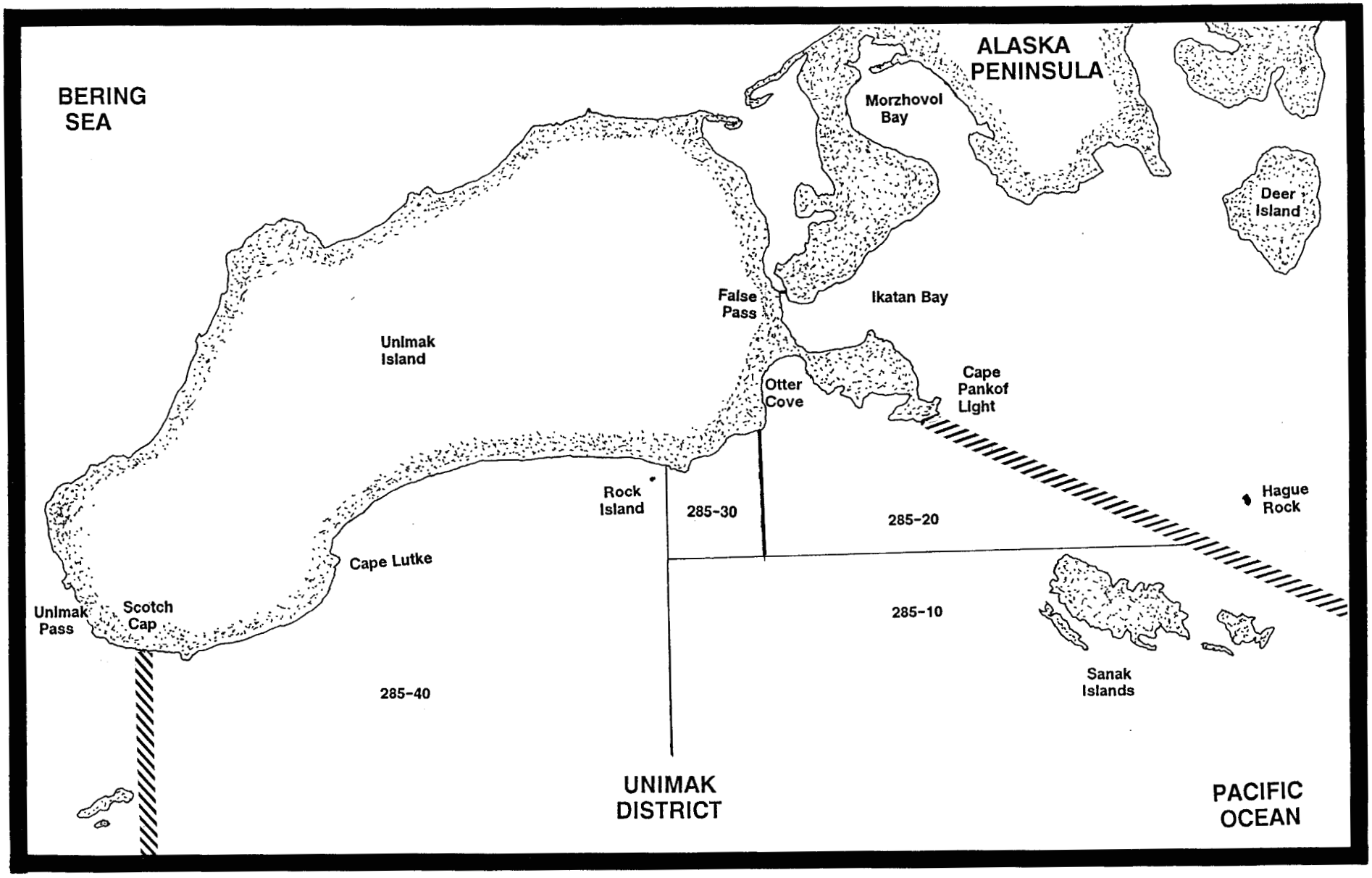


Figure 10. Map of the Alaska Peninsula Area from Hague Rock to Unimak Pass (Unimak District) with the statistical salmon fishing areas shown.

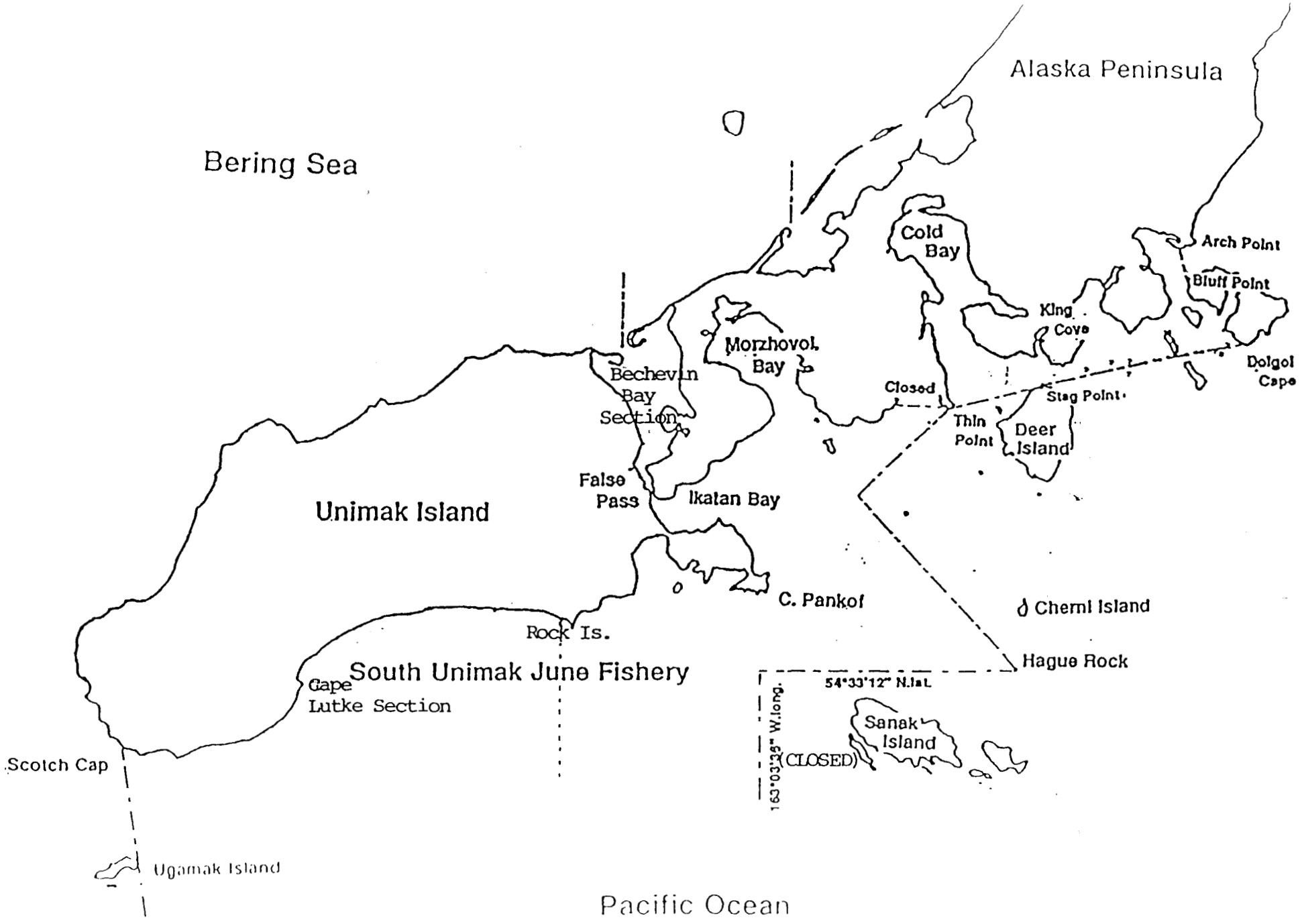


Figure 11. Map of the South Unimak June fishery.

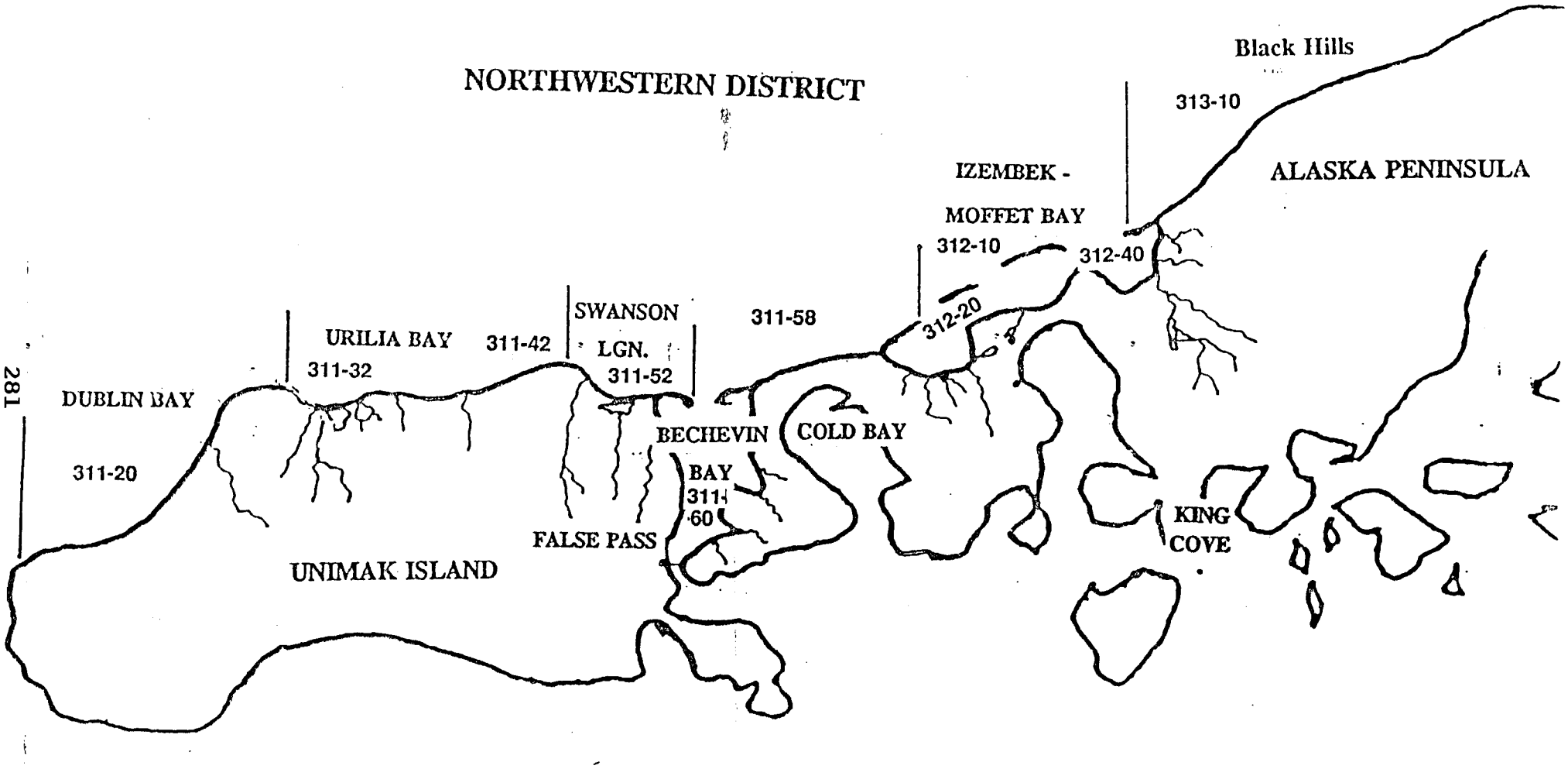


Figure 12. Map of the Northwestern District salmon harvest statistical areas.

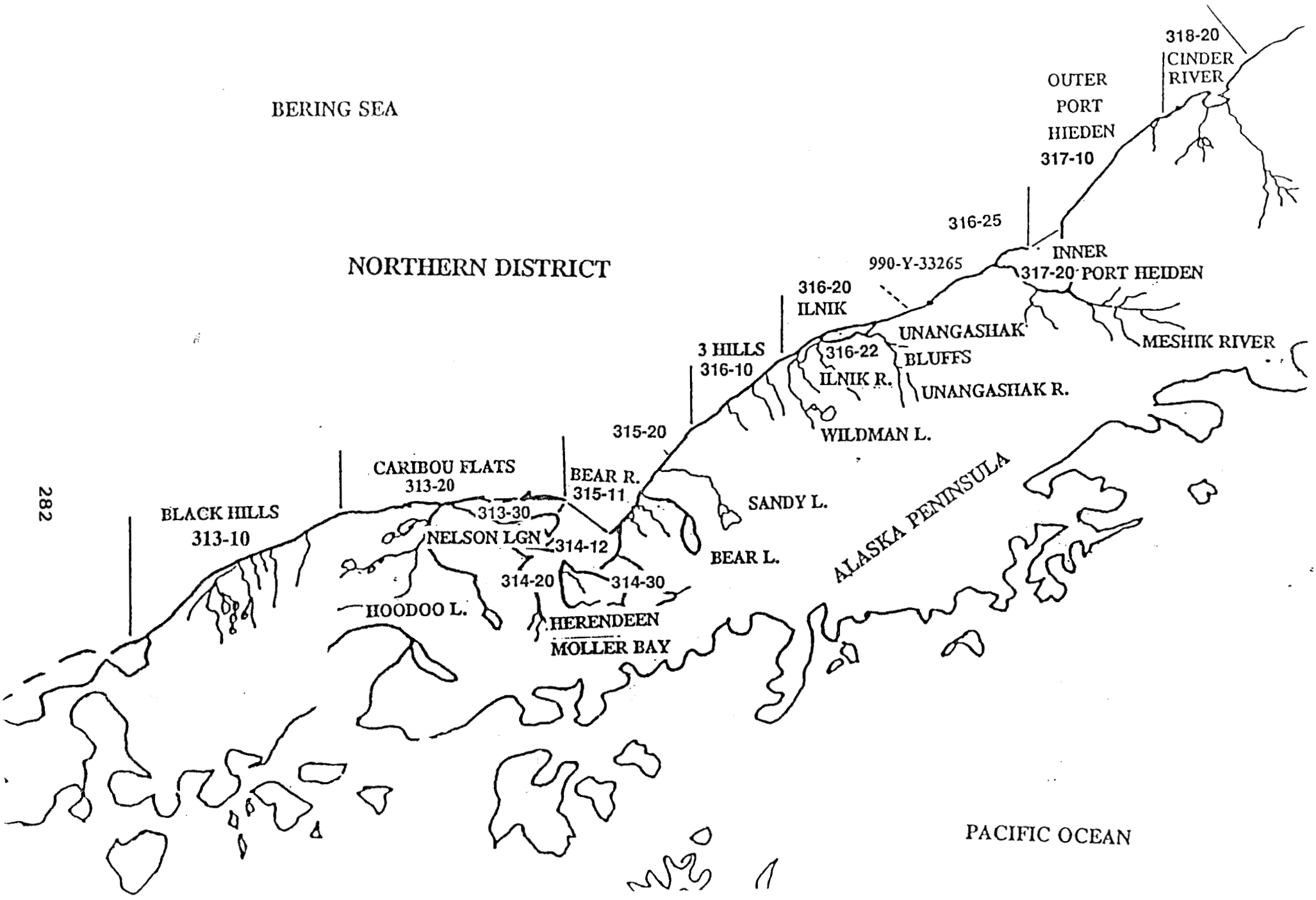


Figure 13. Map of the Northern District salmon harvest statistical areas.

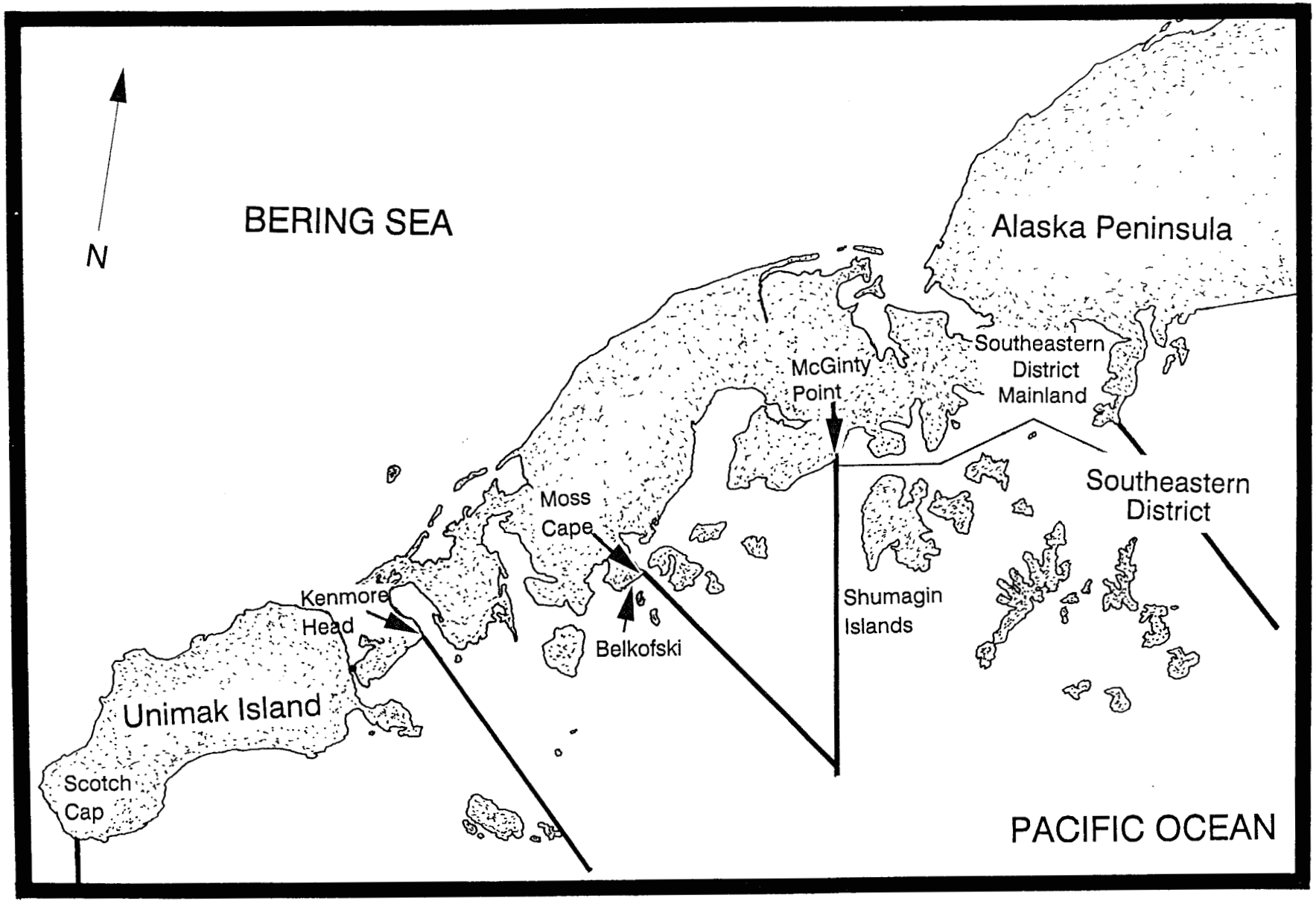


Figure 14. Map of the South Peninsula with McGinty Point, Moss Cape, Kenmore Head, and Scotch Cap shown.

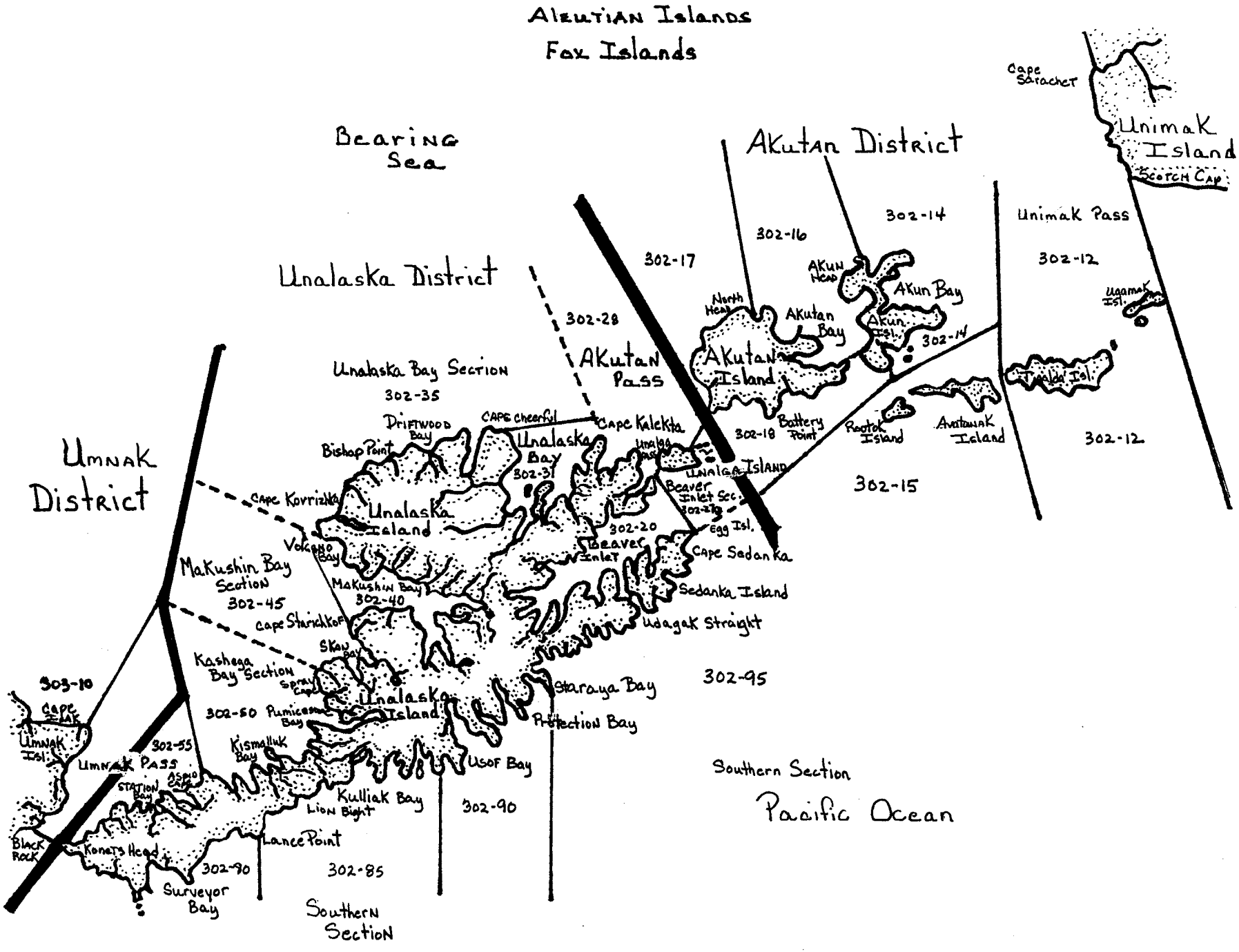


Figure 15. Map of the Aleutian Islands Management Area salmon harvest statistical areas from Unimak Pass to Umnak Pass.

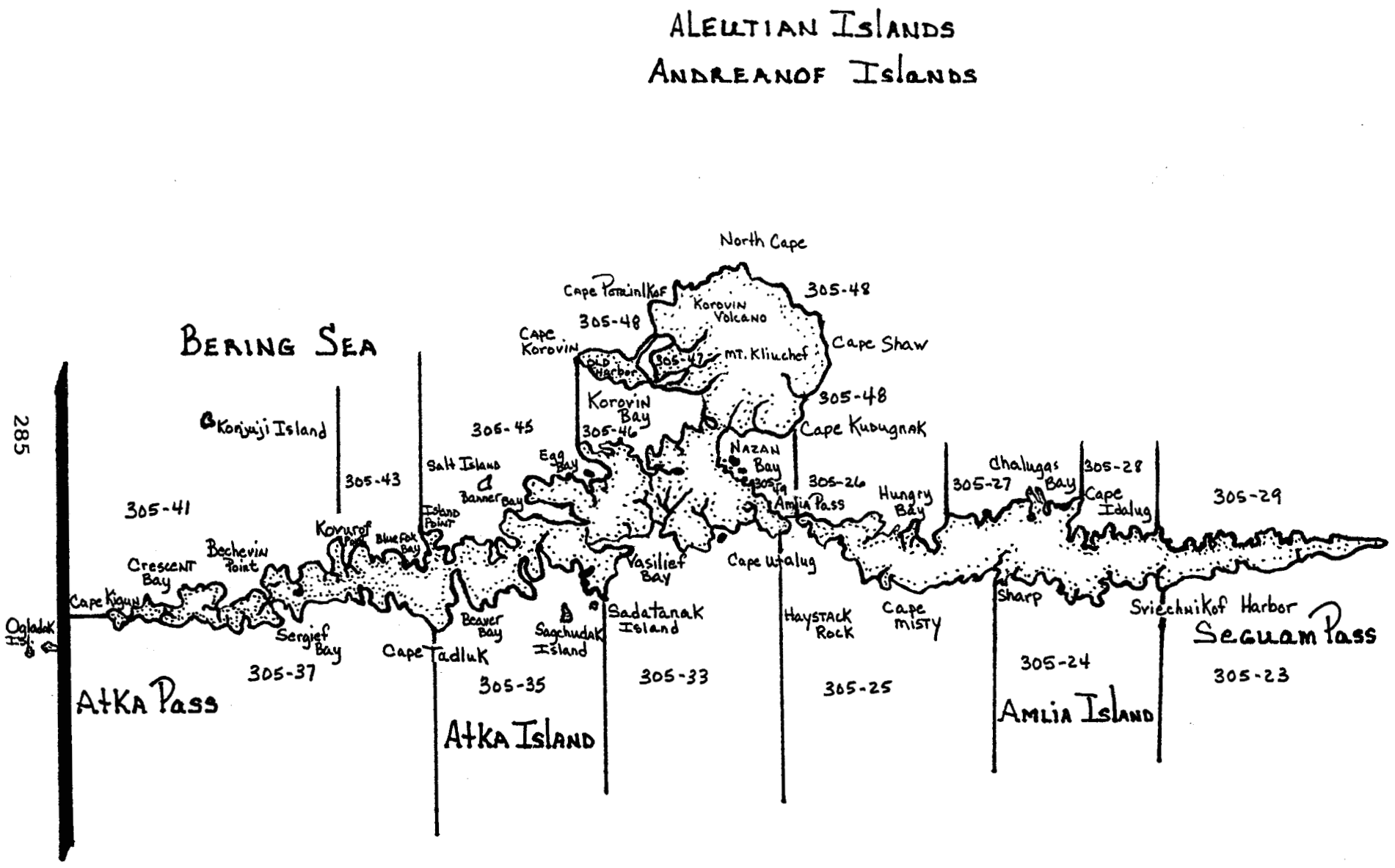


Figure 16. Map of the Atka-Amlia Management Area salmon harvest statistical areas from Seguam Pass to Atka Pass.

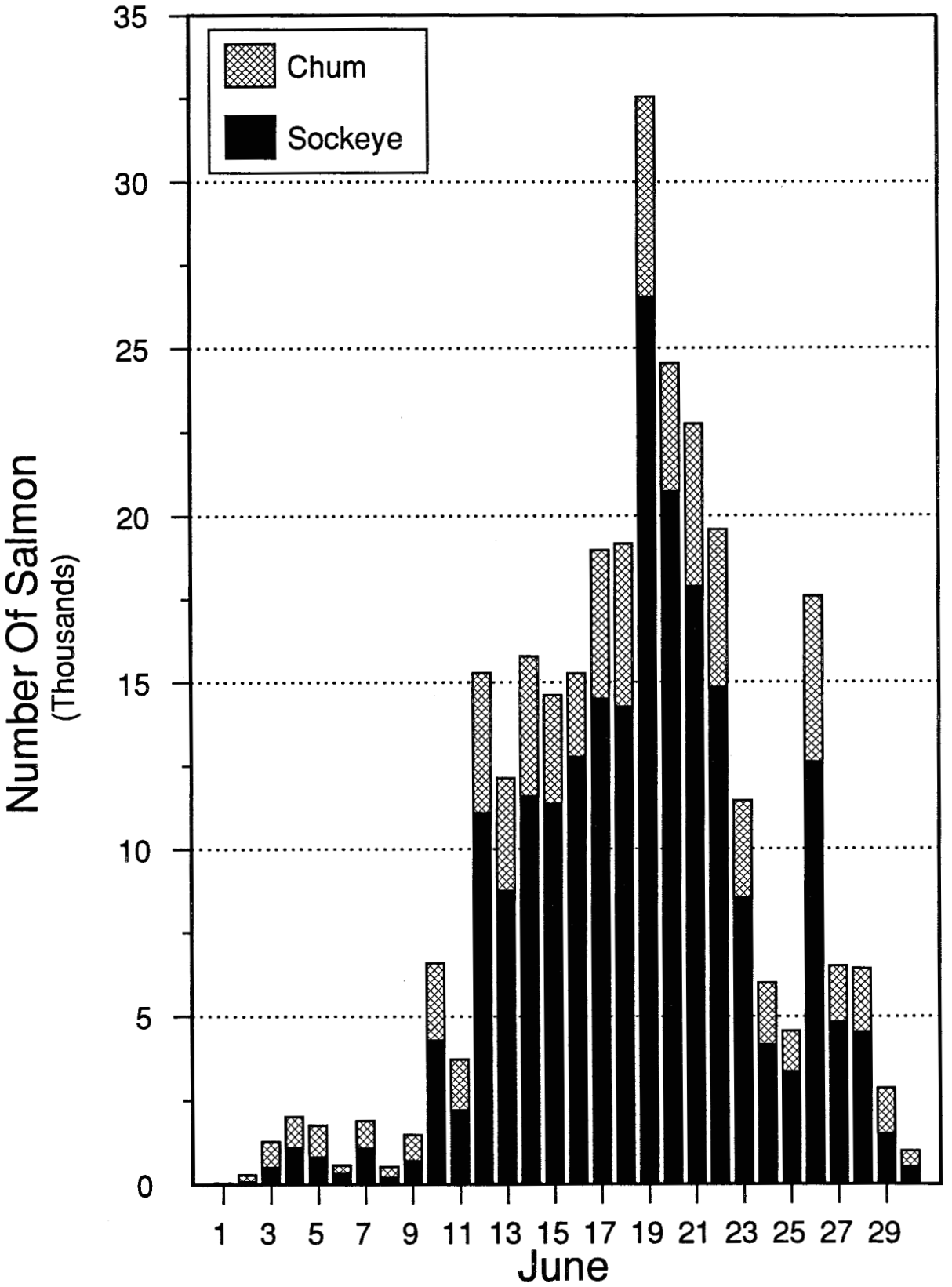


Figure 17. Shumagin Islands Section average sockeye and chum salmon harvest by day, 1970-1992.

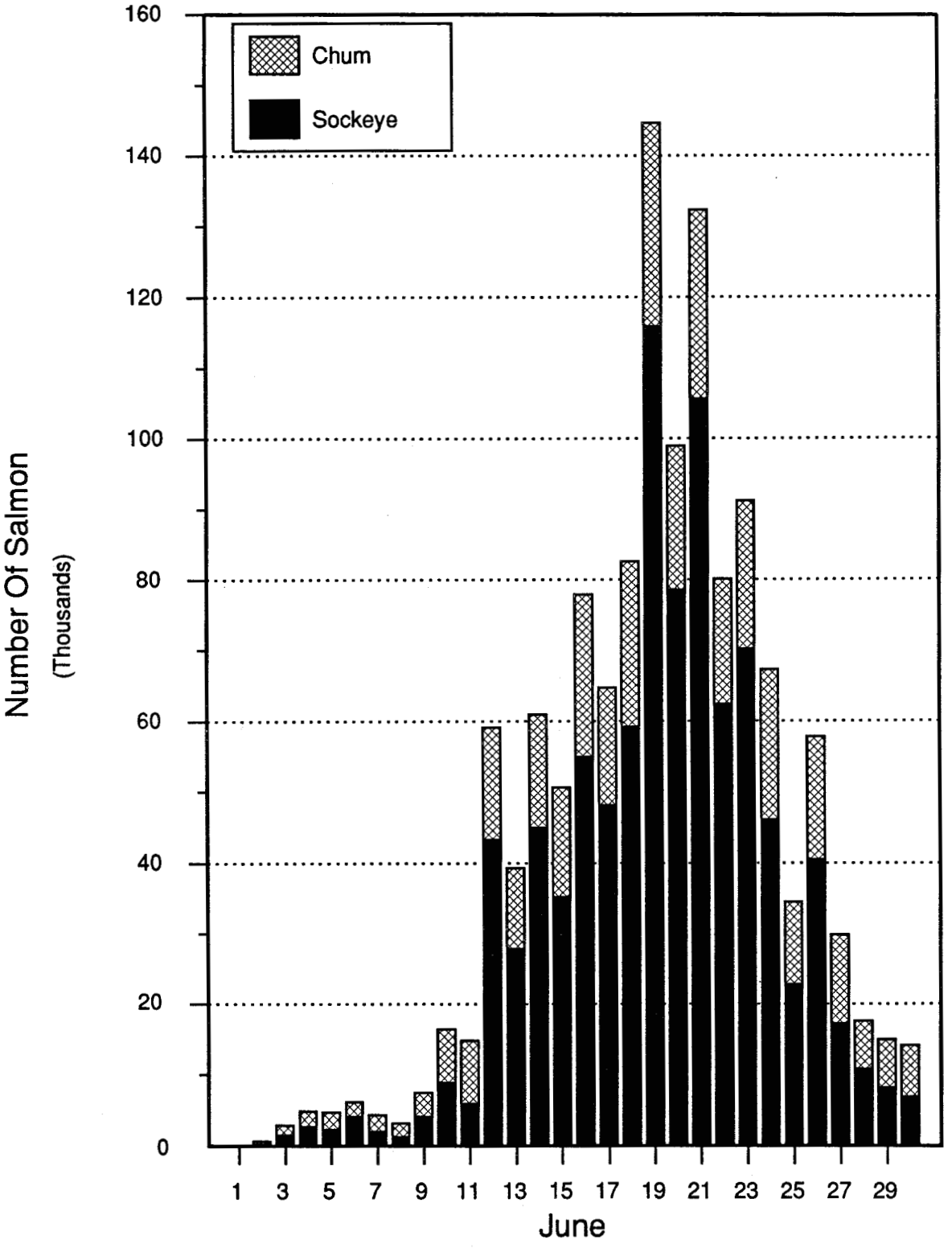


Figure 18. South Unimak average sockeye and chum salmon harvest by day, 1970-1992.

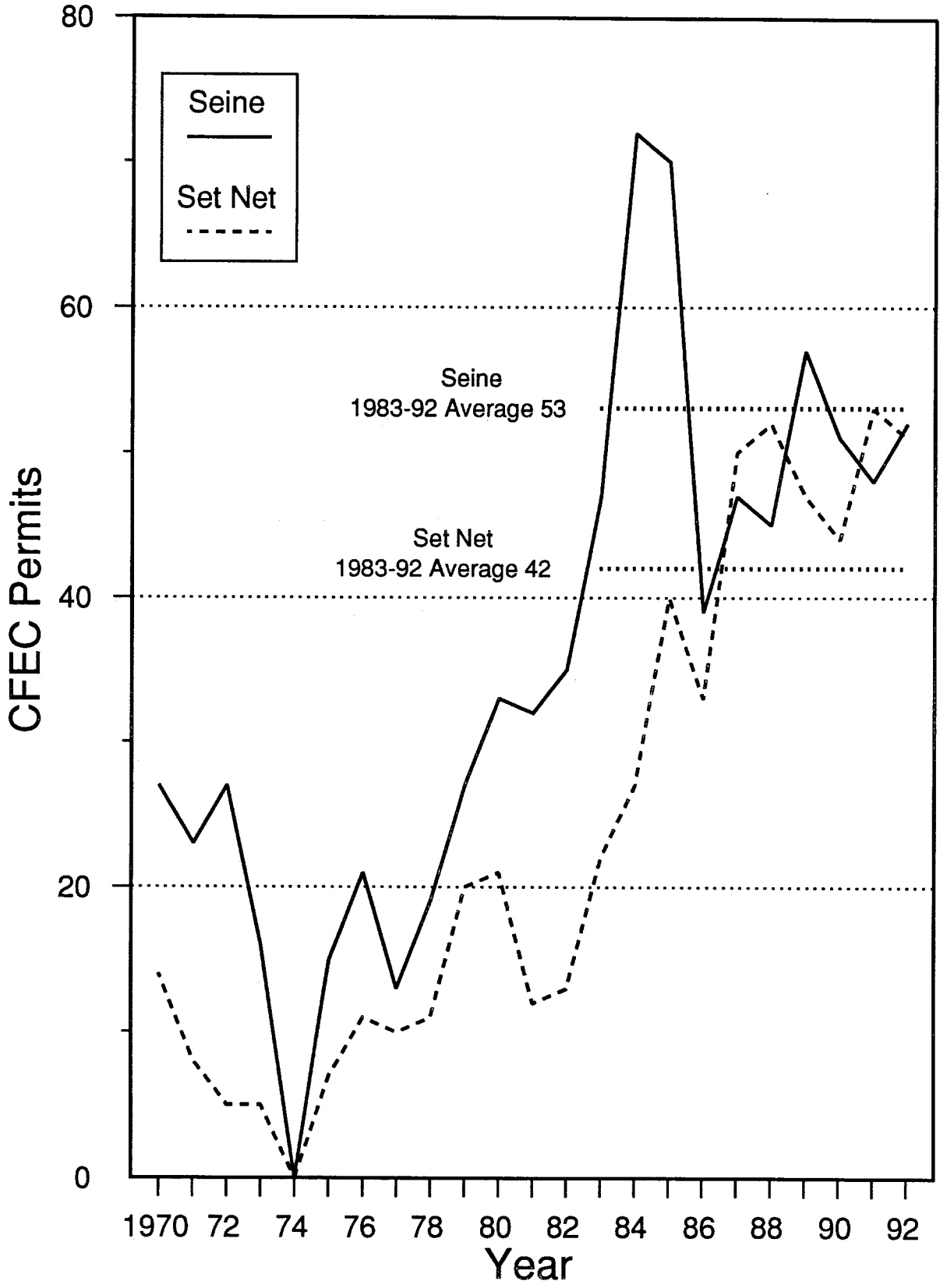


Figure 19. Shumagin Islands Section annual purse seine and set gill net CFEC permits used during June, 1970-1992.

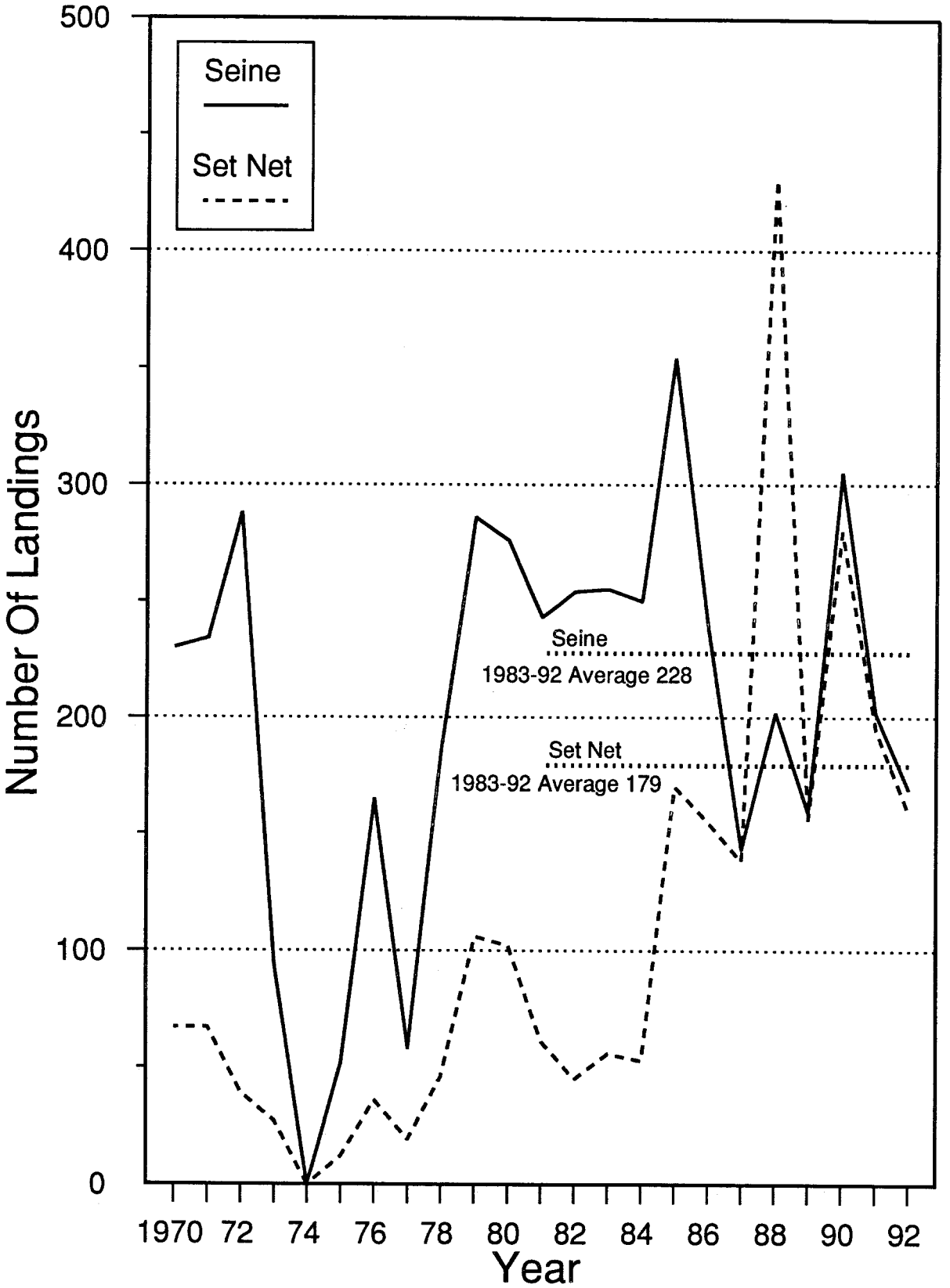


Figure 20. Shumagin Islands Section annual purse seine and set gill net landings by gear during June, 1970-1992.

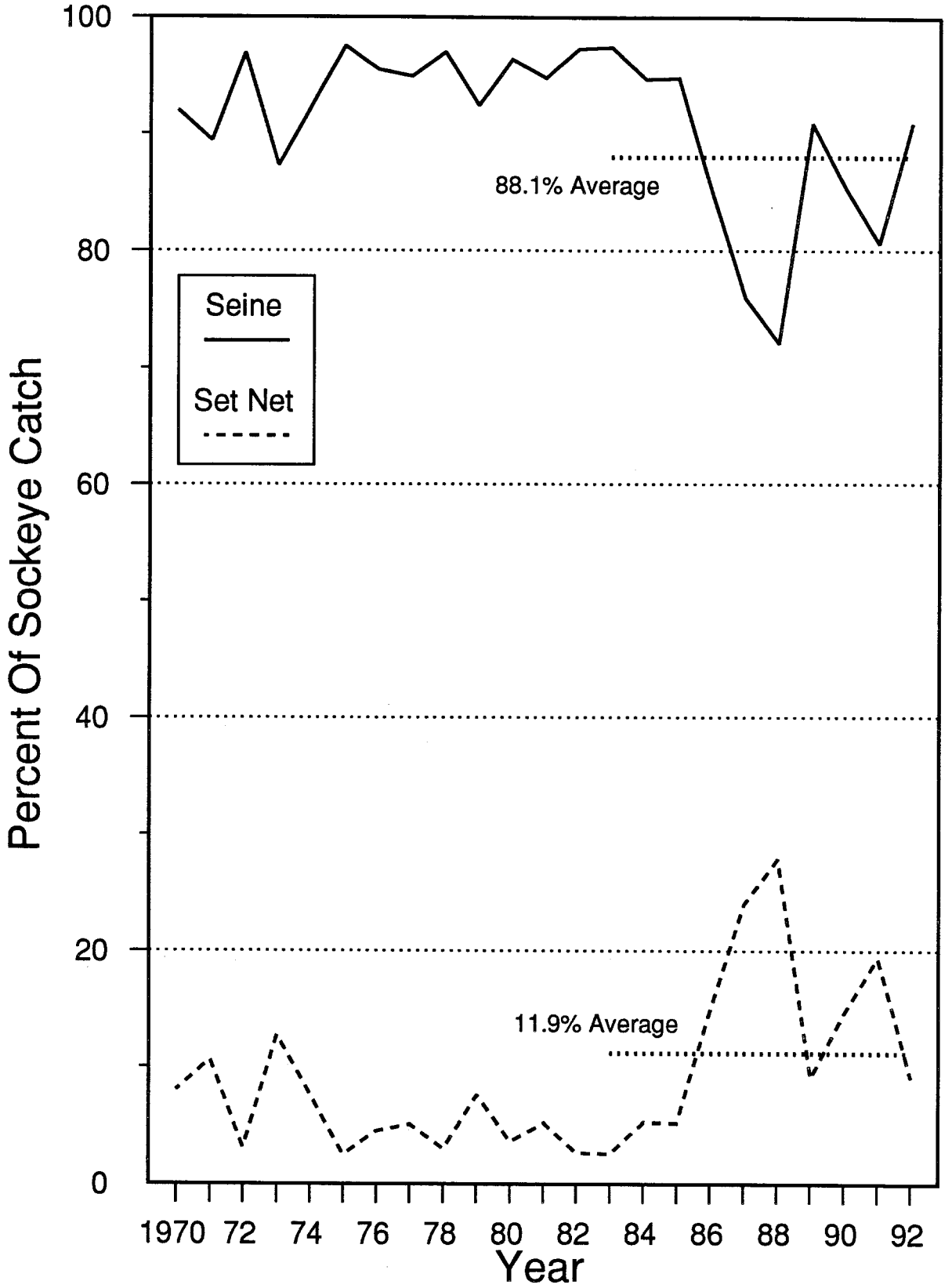


Figure 21. Shumagin Islands Section June sockeye salmon catch by gear, 1970-1992.

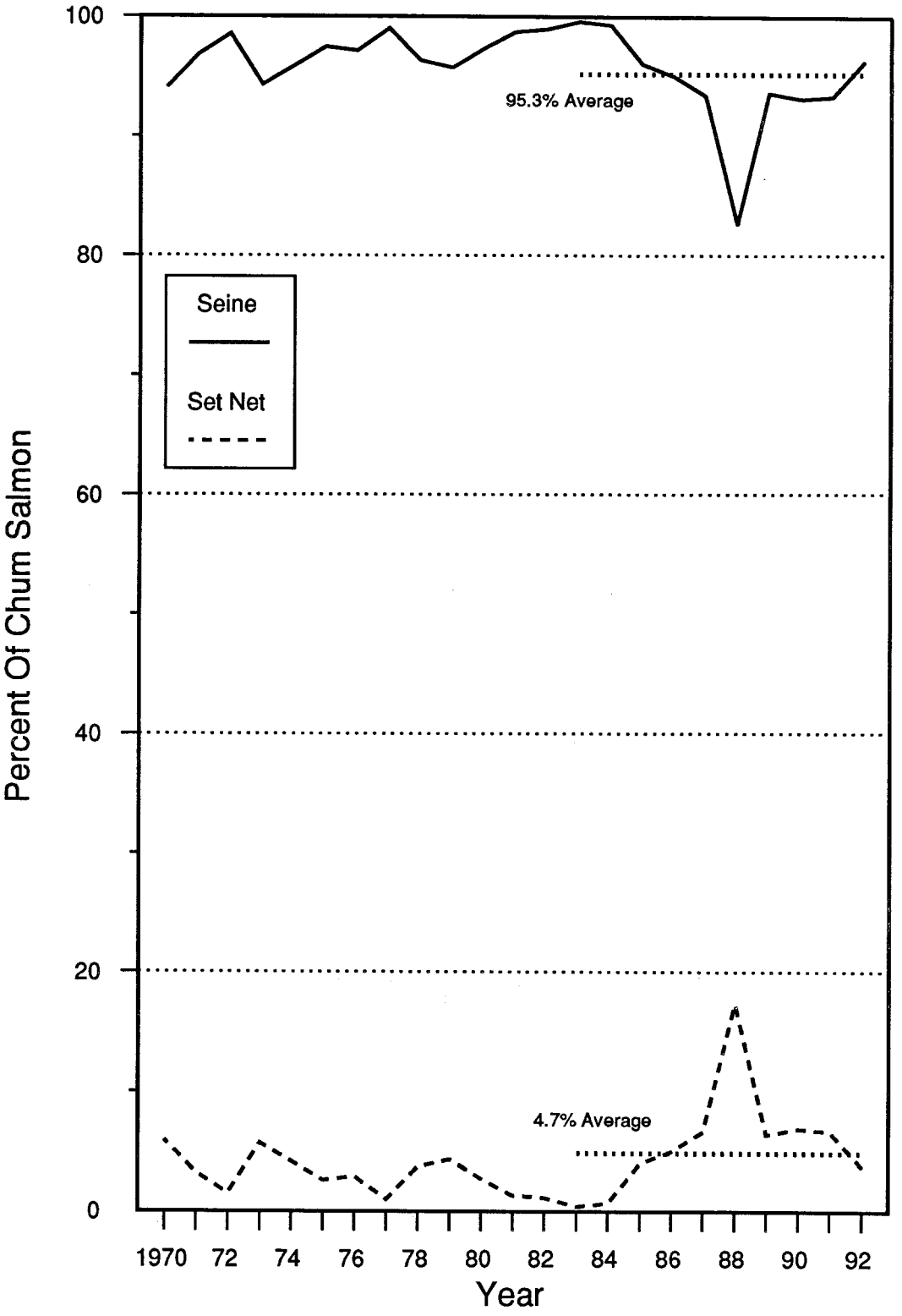


Figure 22. Shumagin Islands Section June chum salmon catch by gear, 1970-92.

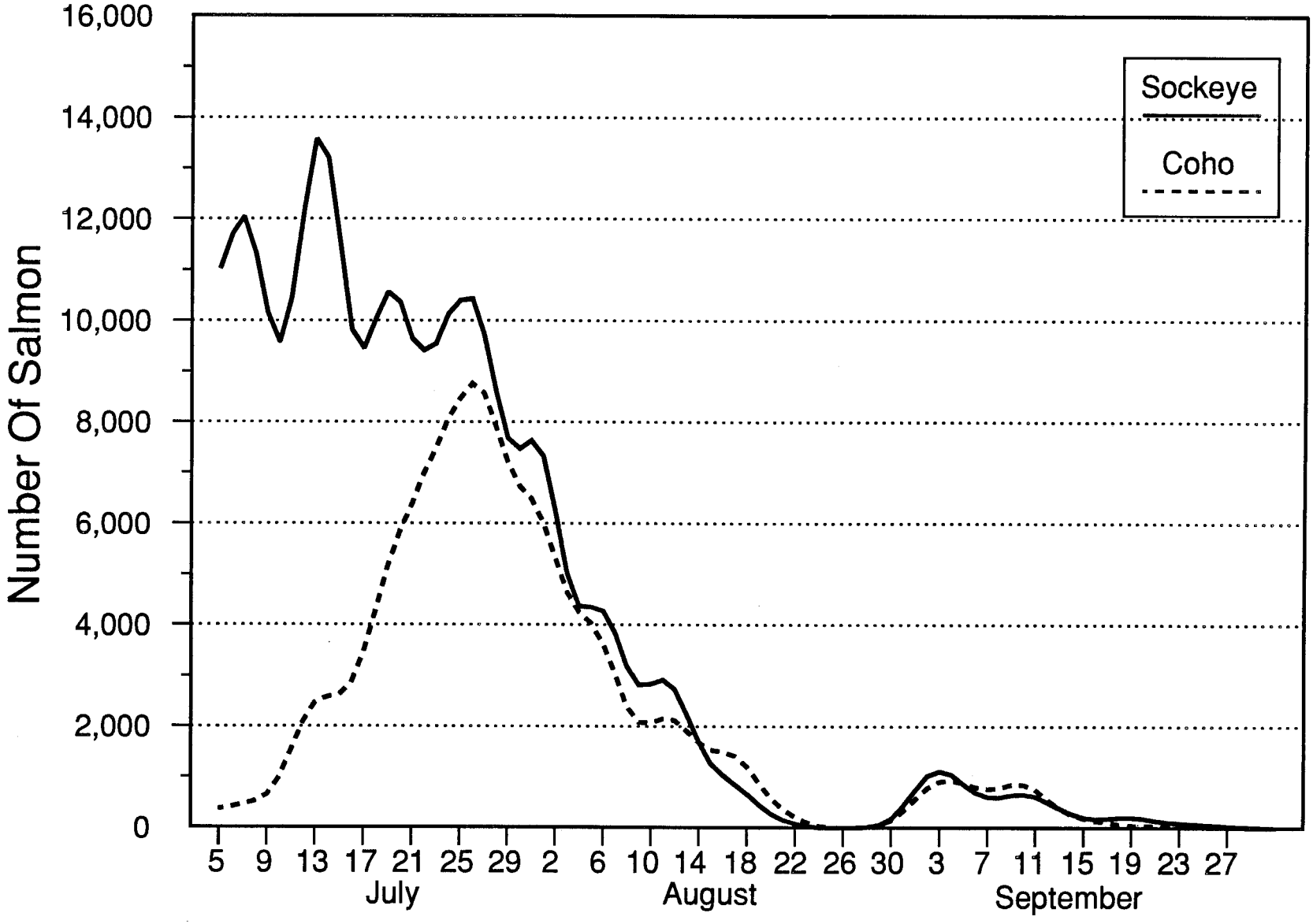


Figure 23. South Peninsula average post-June (July 5 - Sept 31) sockeye and coho salmon catch by day, (smoothed by 3 day average), all gear combined, 1970-1992.

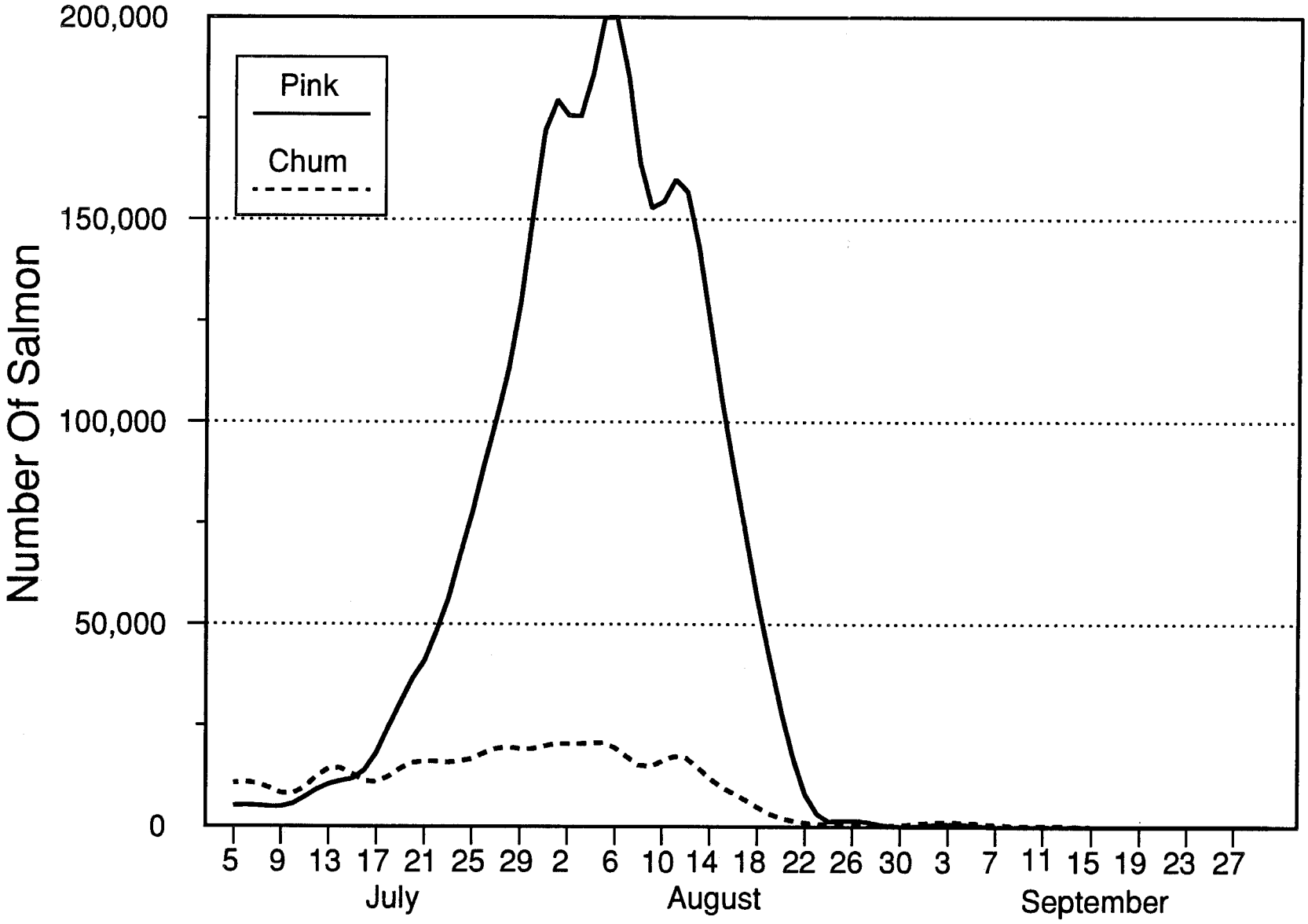


Figure 24. South Peninsula average post-June (July 5 - Sept 31) pink and chum salmon catch by day, (smoothed by 3 day average), all gear combined, 1970-1992.

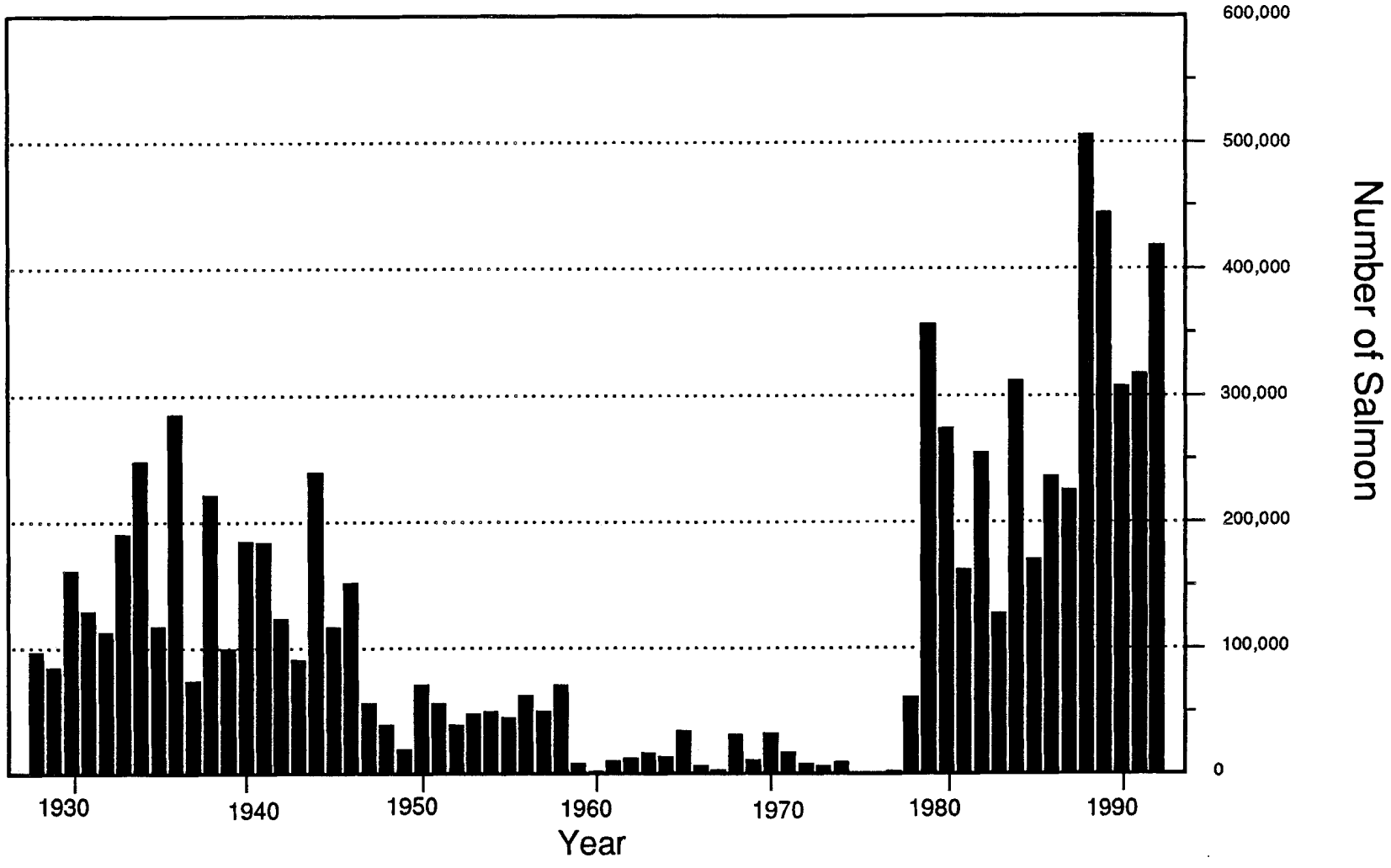


Figure 25. South Peninsula post-June coho salmon catch, 1928-1992.

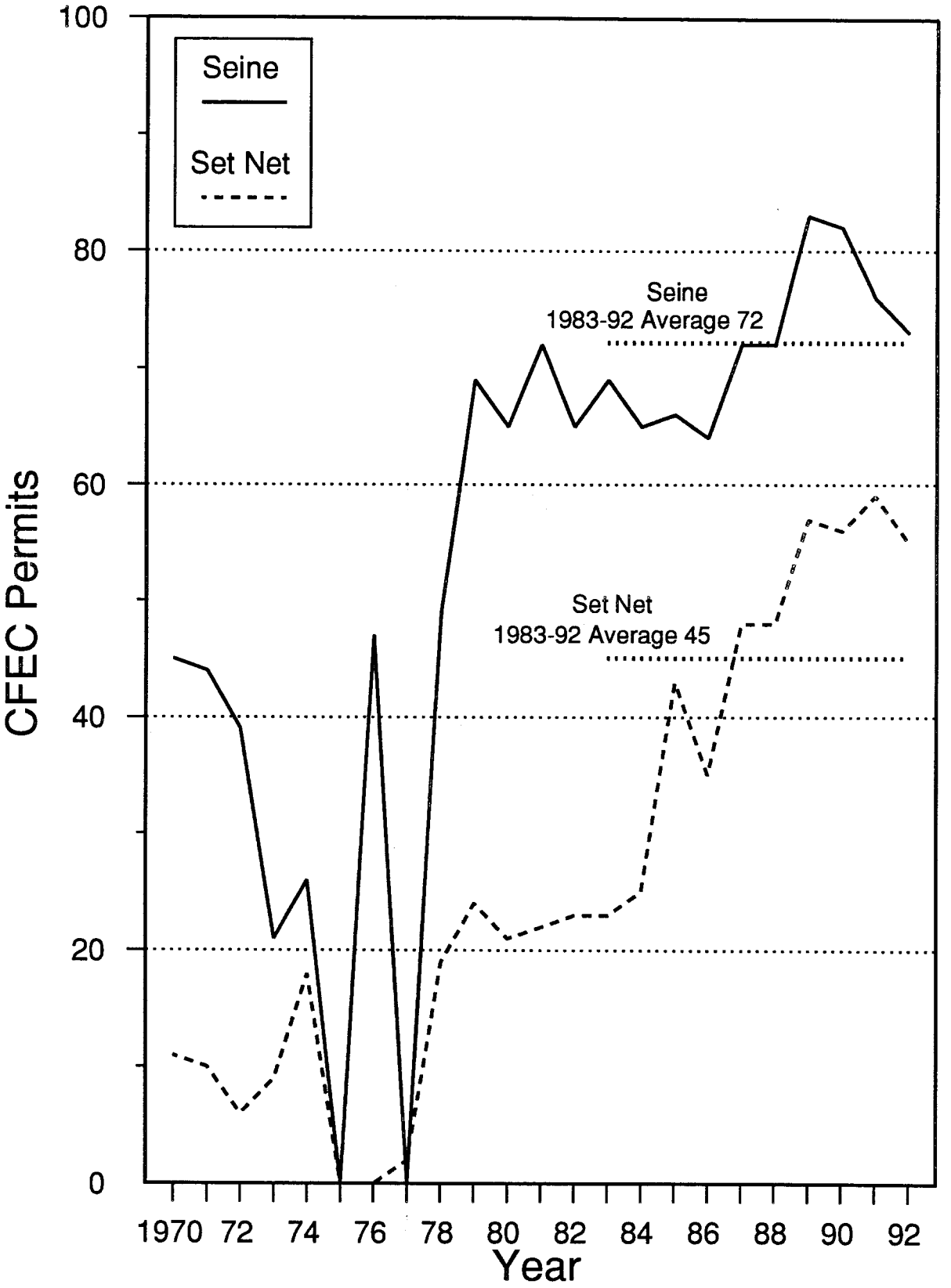


Figure 26. Shumagin Islands Section annual purse seine and set gill net CFEC permits used after June, 1970-1992.

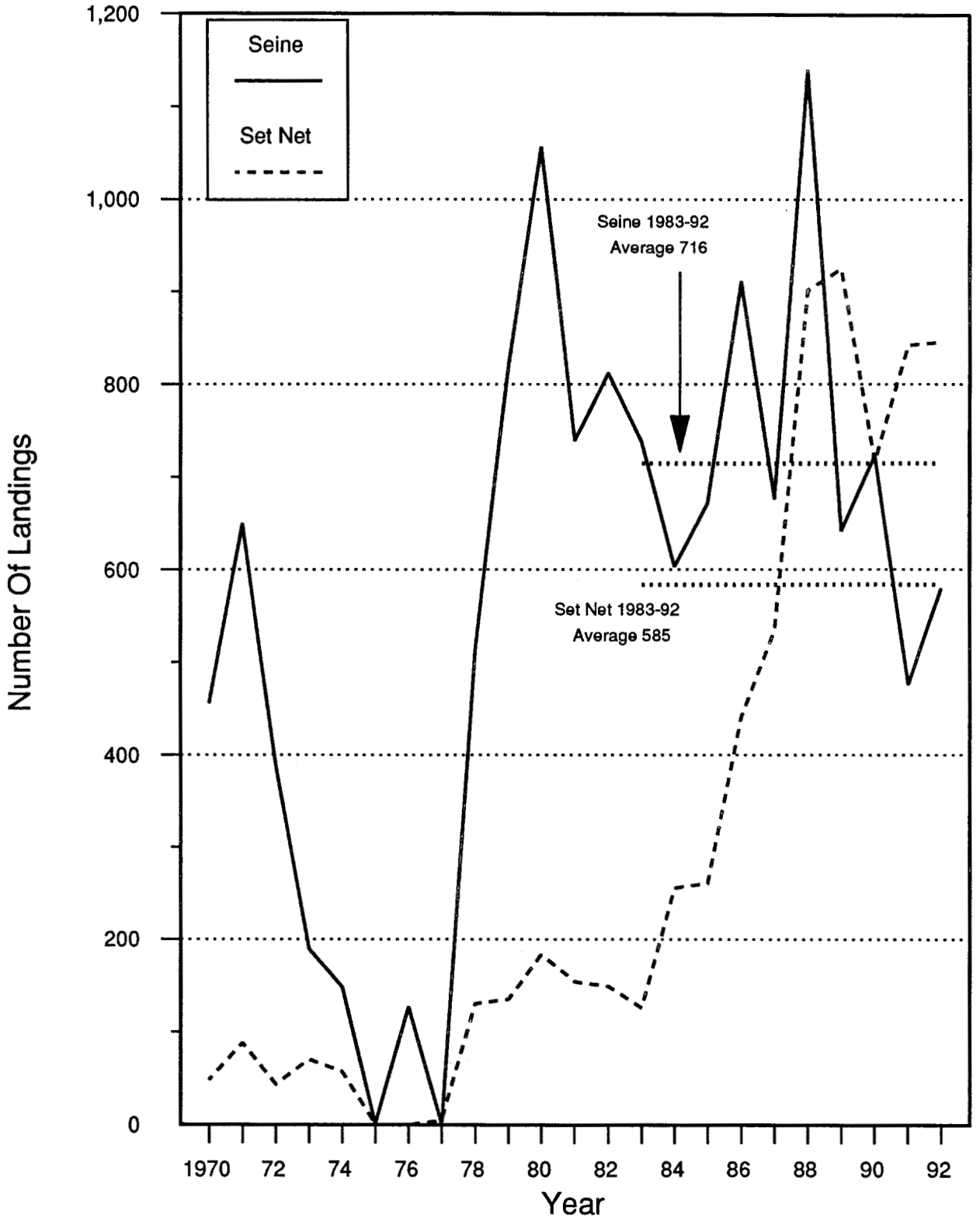


Figure 27. Shumagin Islands Section annual purse seine and set gill net landings by gear after June, 1970-1992.

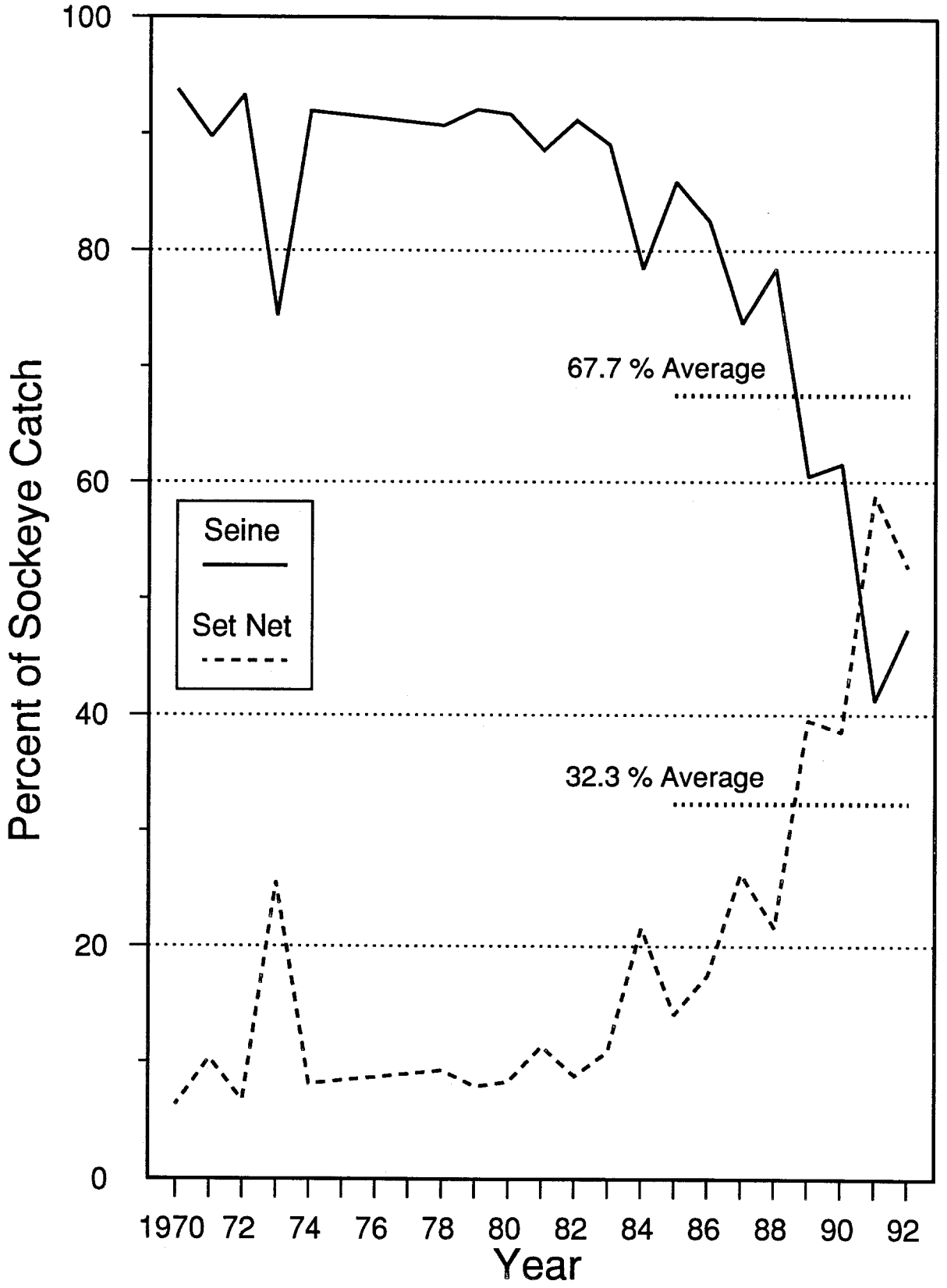


Figure 28. Shumagin Islands Section post-June sockeye salmon catch by gear, 1970-1992.

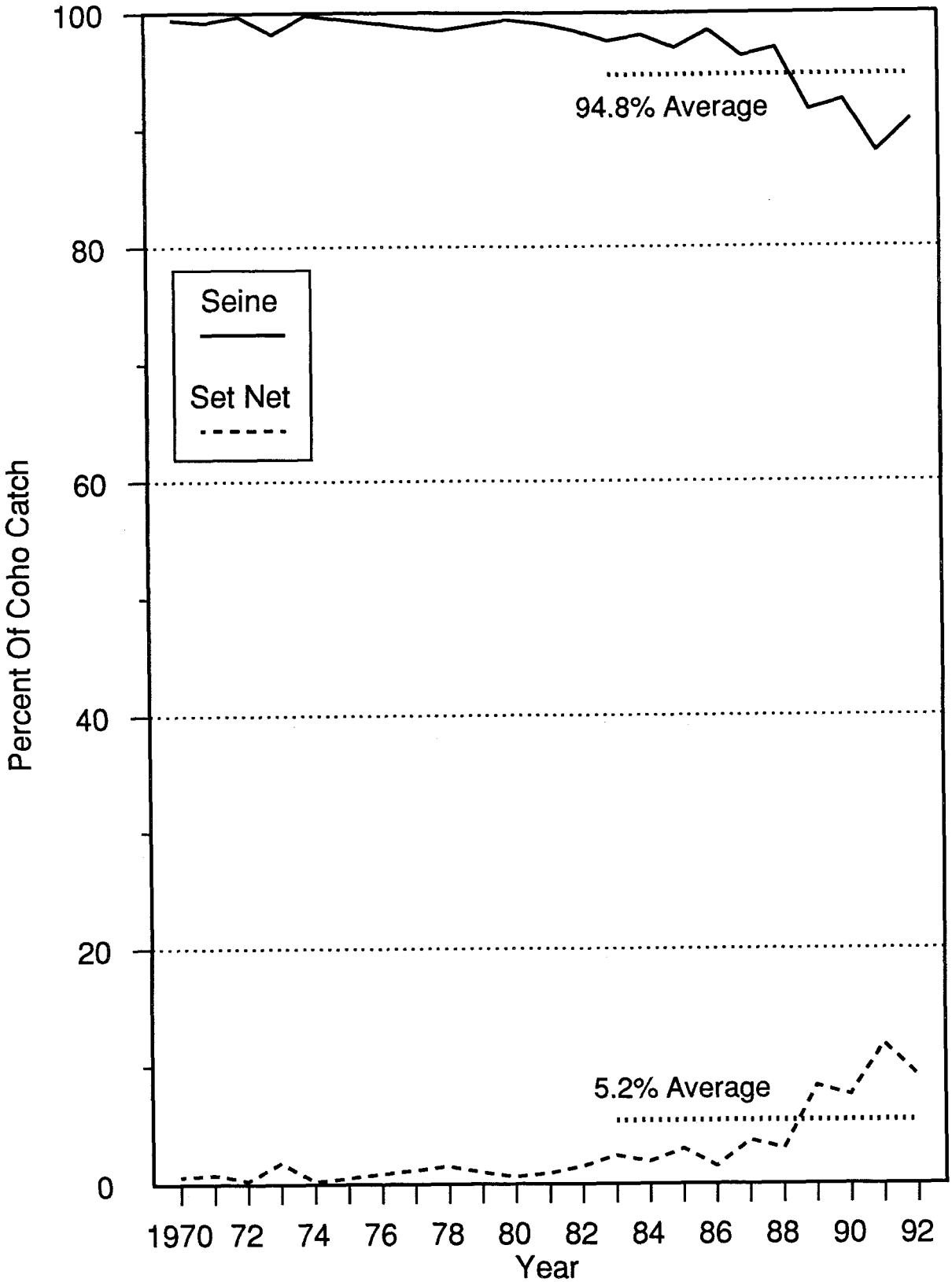


Figure 29. Shumagin Islands Section post-June coho salmon catch by gear, 1970-1992.

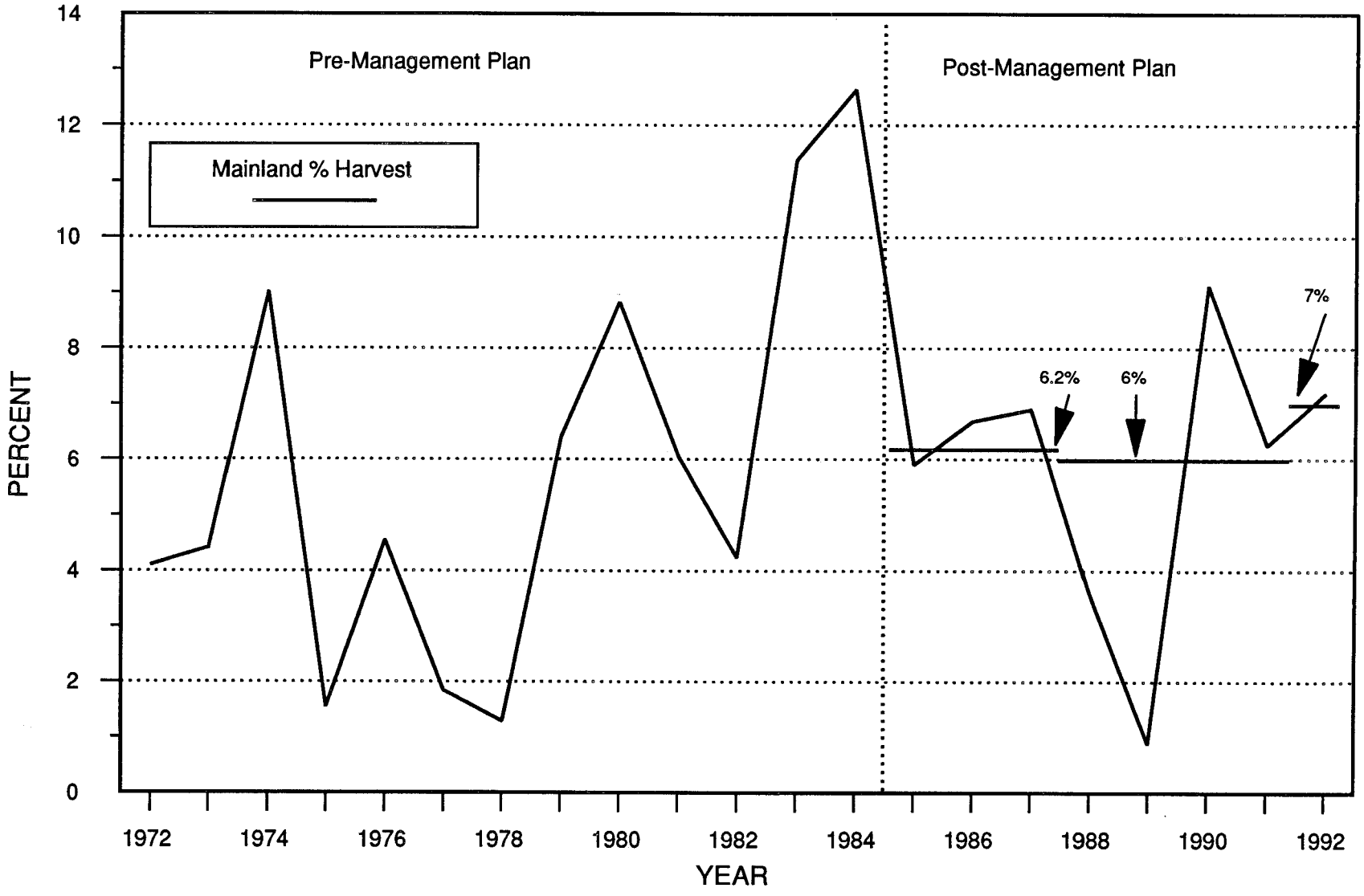


Figure 30. Harvest of Chignik bound sockeye salmon in the Southeastern District Mainland area, through July 25, in percent, 1972-1992.

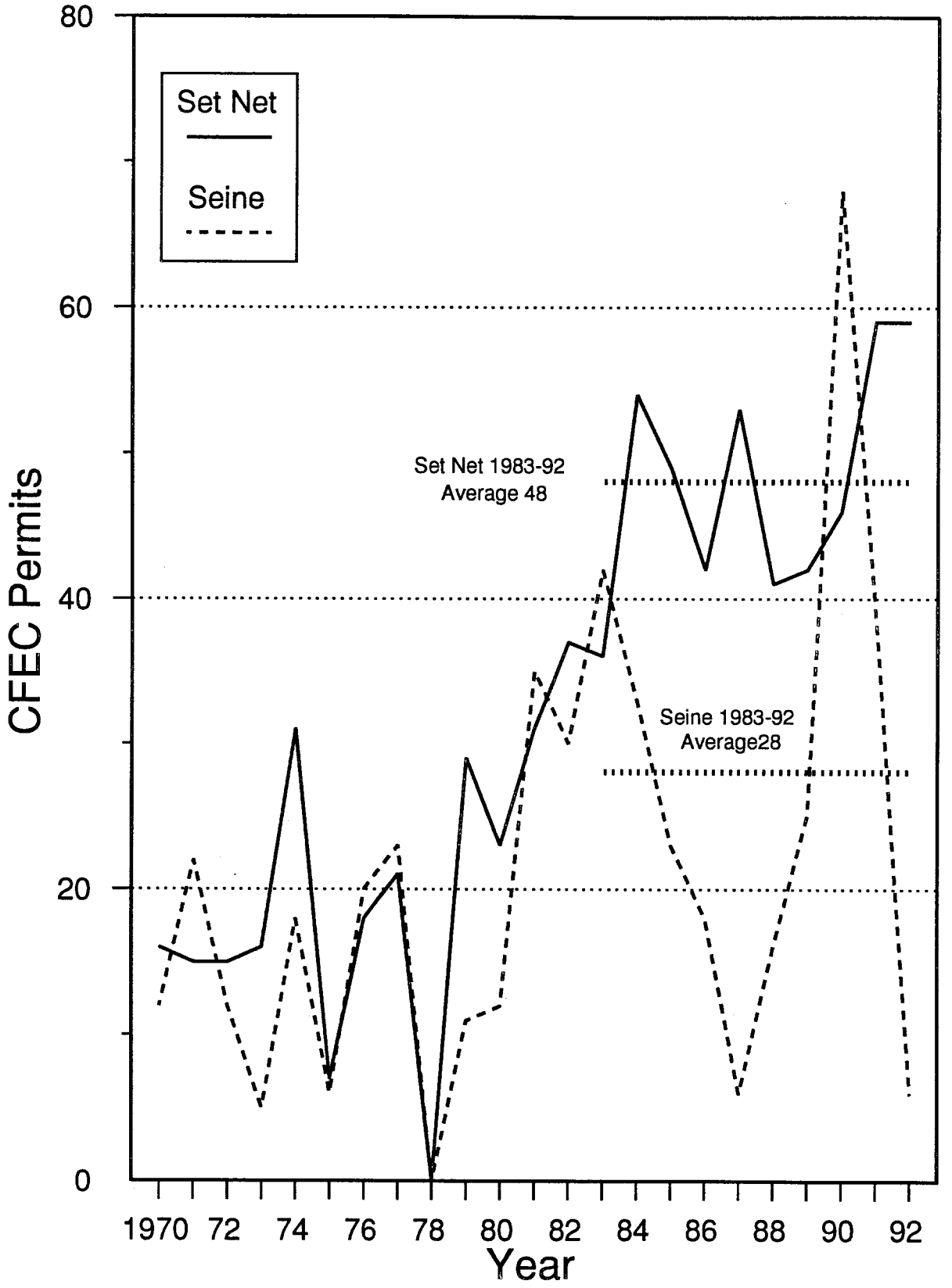


Figure 31. Southeastern District Mainland area annual purse seine and set gill net CFEC permits used through July 25, 1970-1992.

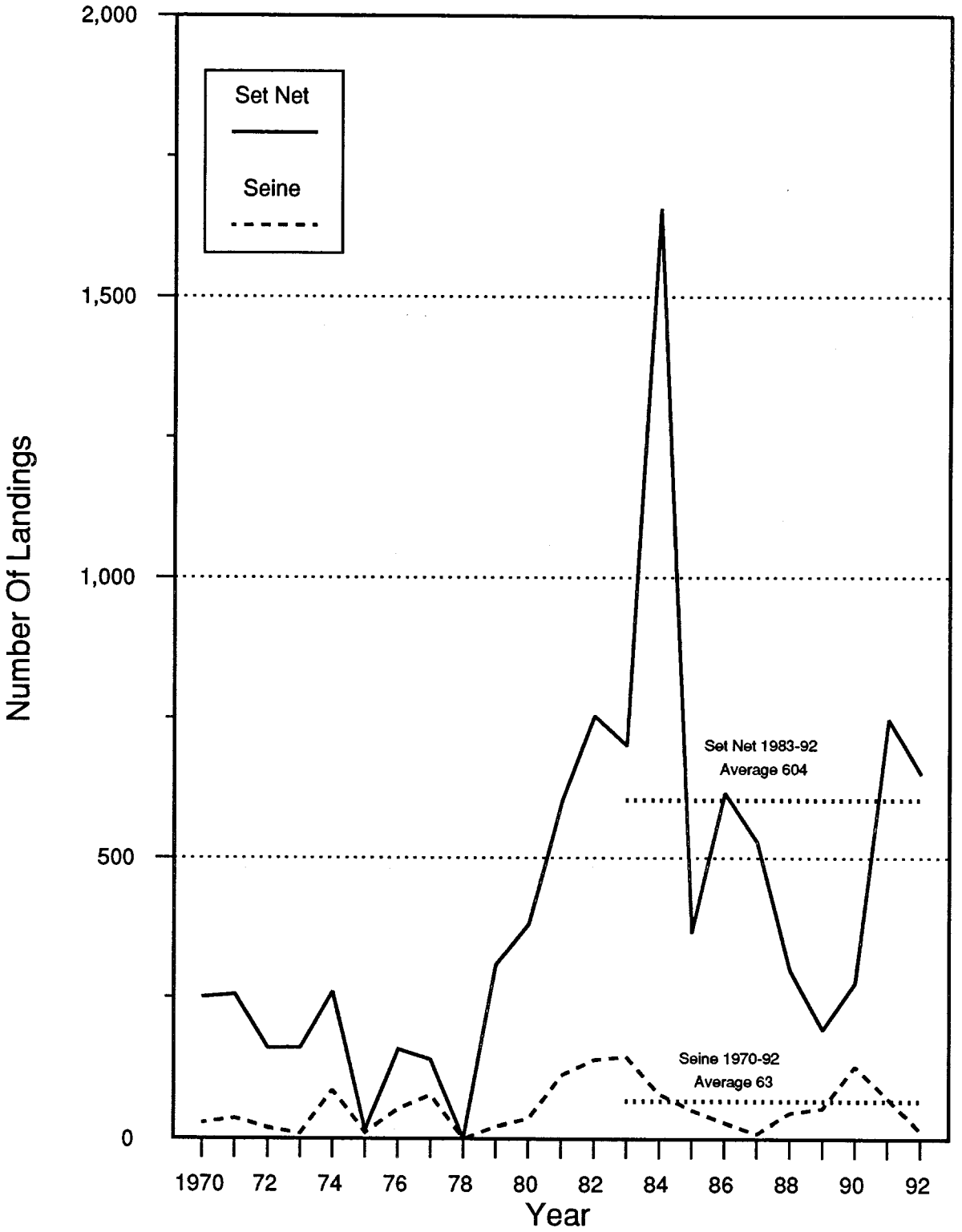


Figure 32. Southeastern District Mainland area annual purse seine and set gill net landings through July 25, 1970-1992.

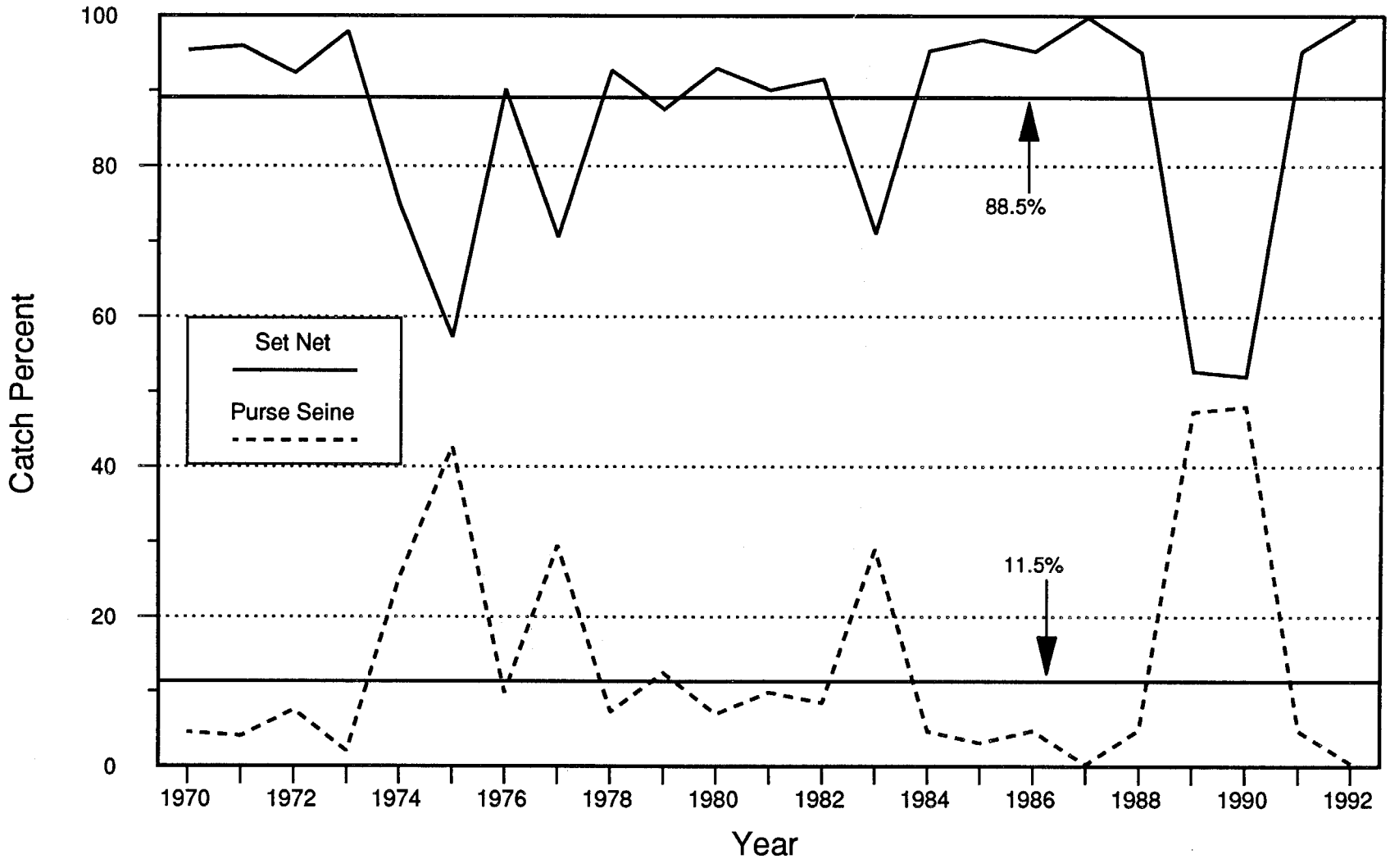


Figure 33. Southeastern District Mainland sockeye salmon catch in percent by through July 25, 1970-1992.

APPENDIX

CHAPTER 09. - ALASKA PENINSULA AREA

ARTICLE 1. - DESCRIPTION OF AREA.

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

5 AAC 09.100. DESCRIPTION OF AREA. The Alaska Peninsula Area includes all waters of Alaska from Cape Menshikof to Cape Sarichef Light and from a line extending from Scotch Cap through the easternmost tip of Ugamak Island to a line extending 135° southeast from Kupreanof Point.

ARTICLE 2. FISHING DISTRICTS AND SECTIONS.

5 AAC 09.200. FISHING DISTRICTS AND SECTIONS. (a) The Northern District includes all waters on the north (Bering Sea) side of the Alaska Peninsula between the westernmost tip of Cape Menshikof and the southernmost tip of Moffet Point:

(1) Cinder River Section: All waters of the Northern District east of 158°20' W. long.;

(2) Port Heiden Sections:

(A) Outer Port Heiden Section: all waters of the Northern District located between 158°20' W. long. and the longitude of Strogonof Point (158°51' W. long), exclusive of the Inner Port Heiden Section;

(B) Inner Port Heiden Section: all waters of Port Heiden Bay south and east of a line from Strogonof Point at 56°53'16" N. lat., 158°50'36" W. long. to the mainland shore of the northeast entrance to the bay at 56°56'31" N. lat., 158°40'44" W. long.;

(3) Ilnik Section: all waters between the longitude of Strogonof Point (158°51' W.long.) and the longitude of Three Hills (159°50' W.long.);

(4) Three Hills Section: all waters between the longitude of Three Hills (159°50' W.long.) and the longitude of Cape Seniavin Light (160°09' W.long.);

(5) Bear River Section: all waters between the longitude of Cape Seniavin Light (160°09' W.long. and the longitude of Wolf Point (160°48'30" W.long.), excluding the waters of the Herendeen-Moller Bay Section;

(6) Herendeen-Moller Bay Section: all waters south of a line extending from Entrance Point to Wolf Point to Point Edward on Cape Rozhnof;

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

(8) Caribou Flats Section: all waters between Wolf Point and a point at 55°53'40" N.lat., 161°49' W.long., approximately 22 nautical miles west of Nelson Lagoon Village and exclusive of the waters comprising the Nelson Lagoon section;

(9) Black Hills Section: all waters between 55°53'40" N.lat., 161°49' W.long., and Moffet Point.

(b) The Northwestern District: all waters on the north (Bering Sea) side of the Alaska Peninsula between Moffet Point and Cape Sarichef Light on Unimak Island, including Bechevin Bay and the waters of Isanotski Strait north of a line from the False Pass cannery dock to Nichols Point.

(1) Izembek-Moffet Bay Section: all waters between Moffet Point and Cape Galazenap;

(2) Bechevin Bay Section: all waters between Cape Galazenap and Chunak Point, including Bechevin Bay and the waters of Isanotski Strait north of a line from the False Pass cannery dock to Nichols Point;

(3) Swanson Lagoon Section: all waters on the north side of Unimak Island between the easternmost edge of Chunak Point (55°02' N. lat., 163°27' W. long.) and east of the longitude of Otter Point (163°47' W. long.), excluding the waters of the Bechevin Bay Section;

(4) Urilia Bay Section: all waters on the north side of Unimak Island west of the longitude of Otter Point (163°47' W. long.) and east of the northernmost tip of Cape Mordvinof (54°56' N. lat., 164°25'45" W. long.), including Peterson and Christianson Lagoons;

(5) Dublin Bay Section: all waters on the northwest side of Unimak Island west of the northernmost tip of Cape Mordvinof and east of Cape Sarichef Light (54° 35'50" N. lat., 164° 55' 30" W. long.).

(c) The Unimak District includes all waters on the south side of Unimak Island between a line extending from Scotch Cap (54°24' N. lat., 164°47'36" W. long.) through the easternmost tip of Ugamak Island (54°12'42" N. lat., 164°45'48" W. long.), and a line extending 115° from Cape Pankof Light (54°39'36" N. lat., 163°03'36" W. long), including the Sanak Islands;

(1) Cape Lutke Section: all waters of the Unimak District east of a line extending from Scotch Cap (54°24' N. lat., 164°47'36" W. long) through the easternmost tip of Ugamak Island (54°12'42" N. lat., 164°45'48" W. long.), and west of the longitude of Rock Island (163°37'18" W. long.);

(2) Otter Cove Section: all waters of the Unimak District east of the longitude of Rock Island (163°37'18" W. long.) and north of 54°30' N. lat.;

(3) Sanak Island Section: all waters of the Unimak District east of the longitude of Rock Island (163°37'18" W. long.) and south of 54°30' N. lat..

(d) Southwestern District: all waters on the south side of the Alaska Peninsula north and east of a line extending 115° from Pankof Light (54°39'36" N. lat., 163°03'36" W. long.) and west of a line extending 106° from Arch Point Light (55°12'20" N. lat., 161°54'15" W. long.) to the western boundary of the Southeastern District (longitude of McGinty Point: 160°59' W. long.), including Inner Iliasik, Outer Iliasik, Goloi, Dolgoi, Poperechoi, and Deer Islands, all waters of Ikatan Bay, and all waters of Isanotski Strait south of a line from the False Pass cannery dock (54°51'30" N. lat., 163°24'30" W. long.) to Nichols Point (54°51'30" N. lat., 163°23'10" W. long.);

(1) Ikatan Bay Section: all waters of the Southwestern District located south and west of a line from Kenmore Head (54°57' N. lat., 163°01'40" W. long.) to Hague Rock (54°33'10" N. lat., 162°24' W. long.), and west of a line extending true south from Hague Rock;

(2) Morzhovoi Bay Section: all waters of Morzhovoi Bay north of a line from Kenmore Head to Cape Tachilni (54°56' N. lat., 162°52'30" W. long.);

(3) Thin Point Section: all waters of the Southwestern District east of Kenmore Head (54°57' N. lat., 163°01'40" W. long.) and west of Thin Point (54°57'30" N. lat., 162°33'30" W. long.), excluding waters of the Ikatan, Morzhovoi, and Cold Bay Sections;

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(4) Cold Bay Section: all waters north of a line from Thin Point to Vodapoini Point;

(5) Deer Island Section: all waters within one nautical mile of Deer Island;

(6) Belkofski Bay Section: all waters between Vodapoini Point and Moss Cape, including Inner and Outer Iliasik Islands but excluding the waters of the Deer Island section;

(7) Volcano Bay Section: all waters between Moss Cape and Arch Point including Goloi, Dolgoi and Poperechnoi Islands;

(8) General Section: all other waters of the Southwestern district.

(e) South Central District: all waters on the south side of the Alaska Peninsula north and east of a line extending 106° from Arch Point Light (55°12'20" N. lat., 161°54'15" W. long.), and west of a line extending south from McGinty Point (55°27'30" N. lat., 160°59' W. long.), including Ukolnoi and Wosnesenski Islands;

(1) Pavlof Bay Section: all waters of Pavlof Bay, excluding the Canoe Bay section, and all other waters of the district west of the longitude of Cape Tolstoi (161°30' W.long.);

(2) Canoe Bay Section: all waters of Canoe Bay enclosed by a line from a point at 55°35'37" N.lat., 161°21'33" W.long. to a point at 55°35'41" N.lat., 161°21'40" W.long.;

(3) Mino Creek-Little Coal Bay Section: all waters of the district, excluding those of the Pavlof Bay and Canoe Bay sections, between the longitude of McGinty Point (160°59' W.long.) and the longitude of Cape Tolstoi (161°30' W.long.);

(f) Southeastern District: all waters on the south side of the Alaska Peninsula east of a line extending south from McGinty Point (55°27'30" N. lat., 160°59' W. long.), and west of a line extending 135° from Kupreanof Point (55°34' N. lat., 159°36' W. long.), including all of the Shumagin Islands;

(1) Beaver Bay Section: all waters of the Southeastern District east of the longitude of McGinty Point (160°59' W. long.), west of 160°49' W. long., and north of 55°26' N. lat.;

(2) Balboa Bay Section: all waters of the Southeastern District east of 160°49' W. long., north of 55°26' N. lat., and west of the longitude of Swedania Point (160°31'30" W. long.);

(3) Shumagin Islands Section: all waters of the Southeastern District east of the longitude of McGinty Point (160°59'W. long.), west of a line extending 135° from Kupreanof Point (55°34' N. lat., 159°36' W. long.), south of a line from 55°26' N. lat., 160°31'30" W. long., to 55°32'12" N. lat., 160°02'36" W. long. (approximately 1 nautical mile north of Karpa Island), and east to the Alaska Peninsula Area boundary (a line extending 135° from Kupreanof Point), excluding the Beaver Bay, Balboa Bay, and Southwest Stepovak Sections:

(4) Southwest Stepovak Section: all waters of the Southeastern District south of the latitude of 55°37'20" N. lat., west of 159°52' W. long., north of Shumagin Islands Section, and east of the Balboa Bay Section;

(5) Northwest Stepovak Section: all waters of the Southeastern District north of 55°37'20" N. lat. and west of the longitude of Dent Point (159°52' W. long.);

(6) Stepovak Flats Section: all waters of the Southeastern District north of 55°48'18" N. lat. and east of the longitude of Dent Point (159°52' W. long.);

(7) East Stepovak Section: all waters of the Southeastern District south of 55°48'18" N. lat., east of the longitude of Dent Point (159°52' W. long.), north of 55°32'12" N. lat., and west of a line extending 135° from Kupreanof Point (55°34' N. lat., 159°36' W. long.).

ARTICLE 3. - SALMON FISHERY

5 AAC 09.301. SEAWARD BOUNDARY OF DISTRICTS. For the purpose of managing the historical salmon net fishery in the vicinity of False Pass and Unimak Bight, the outer boundary of the Southwestern and Unimak Districts is a line three miles seaward from a line commencing at 54°26'45" N.lat., 162°53' W.long., near the western end of Sanak Island to Cape Lutke on Unimak Island. The seaward boundary of all other districts is a line three miles seaward of the baseline described in 5 AAC 39.975(13).

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

(1) Cinder River Section

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

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

(2) Port Heiden Sections:

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

(B) Outer Port Heiden Section: no open season;

(3) Ilnik Section

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

(B) from July 5 through July 15 in all waters west of Unangashak Bluffs at Loran line 9990-Y-33265 and the longitude of Three Hills (159°50' W. long);

(C) from July 15 through September 30 throughout the remainder of the section;

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

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

(6) Herendeen-Moller Bay Section: from May 1 through July 20 with the exception that within the bight enclosed by a line from Entrance Point to Harbor Point salmon may be taken from May 1 through September 30;

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

(8) Caribou Flats Section: no open season;

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

(b) In the Northwestern District, salmon may be taken only from June 1 through August 10, except that

(1) in the Dublin Bay Section, salmon may be taken only from July 10 through August 10;

(2) in the Bechevin Bay Section, salmon may be taken only from June 1 through September 30;

(3) after September 1, the salmon fishery season will be opened by emergency order.

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

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

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

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

5 AAC 09.320. FISHING PERIODS. (a) In the Northern District, salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Thursday, except as follows:

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

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

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

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

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

(3) in the Cinder River, Inner Port Heiden, and Ilnik Sections salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Wednesday.

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

(b) Salmon may be taken only during the open season in the Northwestern District in the

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

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

(3) Urilia Bay Section: from 6:00 a.m. Monday until 6:00 p.m. Thursday;

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

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

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

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

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

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

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

(1) in the Cinder River Section: with drift gill nets or set gill nets only;

(2) in the Inner Port Heiden Section: with drift gill nets or set gill nets only;

(3) in the Ilnik Section: with drift gill nets or set gill nets only;

(4) in the Three Hills Section: with drift gill nets only;

(5) in the Bear River Section: with drift gill nets, purse seines and hand purse seines;

(6) in the Herendeen-Moller Bay Section: with drift gill nets, set gill nets, purse seines and hand purse seines;

(7) in the Nelson Lagoon Section: with drift gill nets or set gill nets;

(9) in the Black Hills Section; with drift gill nets or set gill nets only;

(b) in the Northwestern District, salmon may be taken with drift gill nets, set gill nets, purse seines and hand purse seines.

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

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

(1) salmon may also be taken with drift gill nets west of a line from Kenmore Head to Hague Rocks to the easternmost tip of the Sanak Islands;

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

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

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

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

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

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

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(3) salmon may be taken only with set gill nets from June 1 through July 10 in the Beaver Bay, Balboa Bay, Southwest Stepovak, Northwest Stepovak, Stepovak Flats, and East Stepovak Sections;

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

5 AAC 09.331. GILL NET SPECIFICATIONS AND OPERATION. (a) The size and operation of drift gill nets is as follows:

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

(2) the mesh size of drift gill nets may not be less than five and one-quarter inches except that in the Bear River Section of the Northern District there is no minimum mesh size after July 20;

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

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

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

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

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

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

(C) in the Northwestern, Unimak, Southwestern, Southcentral, and Southeastern Districts a set gill net may not exceed 90 meshes in depth;

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

(3) the mesh size of a set gill net may not be less than five and one-quarter inches;

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

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

(6) during hours of darkness, each set gill net must be marked with at least one red light on

the seaward end of the net, and at least one red light on both ends of the net if that net is more than 300 feet from shore;

(7) in Swanson Lagoon within the Swanson Lagoon Section of the Northwestern District, a person may not place a set gill net in the water if that placement would result in more than 50 percent of the channel east of 163°38'42" W. long. being blocked to the movement of boat traffic at any stage of the tide;

(8) in the Cinder River and Ilnik Sections of the Northern District a person may not place the seaward end of a set gill net further than one-half mile from the terrestrial vegetation line of the beach, except that in the Seal Islands a person may not place the seaward end of a set gill net within one-half mile of the mean high water mark.

5 AAC 09.332. SEINE SPECIFICATIONS AND OPERATION. (a) Purse seines or hand purse seines may not be less than 100 fathoms nor more than 250 fathoms in length. A purse seine or hand purse seine may not exceed 375 meshes in depth. Seine mesh may not be more than 3 1/2 inches, except that the first 25 meshes above the lead line may not be more than 7 inches.

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

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

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

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

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

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

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

(1) Meshik River: all waters upstream of a line crossing the river from a point at 56°47'04" N.lat., 158°41'06" W.long., to 56°47'58" N.lat., 158°38'45" W.long.; this is approximately one-half nautical mile upstream from the mean high tide mouth and approximately at the lower line of permanent grass growth;

(2) Sandy River

(A) May 1 through July 26; within 2,000 yards of the terminus of the river;

(B) July 27 through September 30: within 500 yards of the terminus of the river;

(3) Bear River

(A) May 1 through August 8: within 1,000 yards of the terminus of the river;

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(B) August 9 through September 30: within 500 yards of the terminus of the river;

(4) Frank's Lagoon: all waters of the lagoon and within 500 yards outside the entrance;

(5) Bechevin Bay

(A) Saint Catherine Cove (Mike's Creek): all waters within 1,000 yards of the stream located at 55°00'48" N.lat., 163°31'33" W.long.;

(B) Trader's Cove: all waters north and east of a line from Morzhovoi Village (54°54'45" N.lat., 163°18'15" W.long.) to the base of Trader Mountain (55°00'05" N.lat., 163°18'22" W.long.);

(C) Warmsprings Bay: all waters southeast of a line from a point on the south shore of the bay at 54°56'28 N.lat., 163°15'45" W.long., to a point on the north shore of the bay at 54°57'16" N.lat., 163°15'33" W.long.;

(6) Christianson's Lagoon: all waters of the lagoon and its exit channel upstream from a point located 500 yards above the exit channel terminus at the ocean shoreline;

(7) Ikatan Bay: all waters within 1,000 yards of the stream at 54°45'15" N.lat., 163°15'15" W.long. on the north shore of the Ikatan Peninsula which exits from Swede's Lake;

(8) Morzhovoi Bay

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

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

(9) Thin Point Cove and Lagoon: all waters north and west of a line from the tip of Thin Point westward to a point on the shore at 54°57'30" N.lat., 162°43'15" W.long.;

(10) Cold Bay

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

(B) Lenard Harbor: all waters east of a line from a point on the south shore at 55°06' N.lat., 162°23' W.long., to a point on the north shore at 55°07' N.lat., 162°23' W.long., and within 1,000 yards of any salmon stream;

(C) Kinzarof Lagoon area: all waters north of a line from 55°13'25" N.lat., 162°43'25" W.long., to 55°16'10" N.lat., 162°34'25" W.long.;

(11) Deer Island

(A) all waters within 200 yards of the stream located at 54°55'41" N.lat., 162°14'12" W.long. and locally known as Eastern Creek.

(B) all waters within 200 yards of the stream located at 54°51'44" N.lat., 162°22'07" W.long. and locally known as Southern Creek;

(12) Belkofski Bay: all waters north and east of a line from 55°09'22" N.lat., 162°08'12" W.long., to 55°08'08" N.lat., 162°07'03" W.long., then to 55°07'20" N.lat., 162°07'39" W.long.;

(13) Volcano and Bear Bay

(A) all waters north of a line from 55°13'24" N.lat., 162°01'24" W.long., to 55°13'51" N.lat., 161°58' W.long.;

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

(14) Longjohn Lagoon: all waters of the lagoon and within 500 yards outside its entrance;

(15) Pavlof Bay

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

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

(C) Canoe Bay: all waters east of 161°14'12" W. long.;

(16) Balboa Bay

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

(B) all waters of Lefthand Bay west of a line from 55°31'36" N.lat., 160°42'54" W.long., to 55°33'12" N.lat., 160°42'06" W.long.;

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

(18) San Diego Bay: all waters of a lagoon at the head of the bay and within 500 yards outside the lagoon's entrance except that from July 19 through August 31 the closure includes all waters west of a line from the reef at 55°33'08" N.lat., 160°26'30" W.long., to the headland at 55°34'02" N.lat., 160°25'48" W.long.;

(19) Dorenoi Bay

(A) through July 25, all waters north and west of a line from the tip of Renshaw Point to the opposite shore at 55°38'30" N. lat., 160°19' W. long.;

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

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

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

(22) Grub Gulch: all waters north and east of a line from 55°48'18" N.lat., 159°56'06" W.long. to 55°49'00" N.lat., 159°58'12" W.long.;

(23) Stepovak Bay: from June 1 through July 28, all waters within 500 yards of any salmon stream or lagoon unless otherwise specified; from July 29 through September 30, all waters north of a line extending east from Dent Point at 55° 47'15" N. lat., 159°52' W. long., to a point on the Kupreanof Peninsula at 55°47' N.lat., 159°38'30" W.long.;

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

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(25) Amak Island and adjacent Sea Lion Rocks: all waters within three nautical miles of these islands and elevations;

(27) Applegate Cove-Norma Bay: all waters south of a line from 55°14'08" N.lat., 162°53' W.long., to the southwest extremity of Norma Bay at 55°10'50" N.lat., 163°05'07" W.long.; this boundary aligns with the Cold Bay VORTAL cone and the headland located approximately two nautical miles south of the radar domes near Grant Point.

(28) Ilnik Lagoon: all waters of Ilnik Lagoon and Lake west of 159°30'12" W.long.;

(29) Herendeen Bay

(A) from May 1 through July 20, all waters within 500 yards of any salmon stream unless otherwise specified;

(B) after July 20, all waters south of the latitude of Bold Bluff Point (55°45'15" N.lat.) and within 500 yards of all salmon streams north of 55°45'15" N.lat.

(30) Nelson Lagoon: all waters of the lagoon and river (called Caribou, Nelson, and Lagoon River) flowing into the upper (west) end of Nelson Lagoon, upstream of a line from 55°57'20" N.lat., 161°22'15" W.long. to 55°57'45" N.lat., 161°22'40" W.long.

(31) Caribou Flats: all waters of the Caribou Flats Section;

(32) Cape Menshikof: all waters of the Cinder River Section located north of Loran C line 9990-Y-32920;

(33) King Salmon River:

(A) from May 1 through July 15, all waters within 1000 yards of the stream terminus;

(B) after July 15, all waters within 500 yards of the stream terminus.

(34) Cinder River Lagoon: all waters enclosed by a line from 57° 19' 48" N. lat., 158° 08' 24" W. long., to 57° 21' 18" N. lat., 158° 02' 38" W. long.;

(35) Unangashik River: all waters east of 159° 15' 04" W. long.;

(36) Swanson Lagoon

(A) June 1 through August 31: all waters enclosed by a line from 55° 02' 12" N. lat., 163° 38' 42" W. long., to 55° 01' 58" N. lat., 163° 38' 28" W. long.;

(B) September 1 through October 31: all waters enclosed by a line from 55° 02' 12" N. lat., 163° 38' 42" W. long., to 55° 02' 07" N. lat., 163° 39' 44" W. long.

(37) Outer Port Heiden: all water of the Outer Port Heiden Section.

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

5 AAC 09.360. SOUTHEASTERN DISTRICT SALMON MANAGEMENT PLAN. (a) This plan pertains to the management of the interception of Chignik River sockeye salmon caught in the Southeastern District Mainland fishery: East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections. Before July 11, only set gillnet gear may be used in these sections. For the purpose of this plan, local runs include only those salmon in the waters

1) of Orzinski Bay north of a line from Elephant Point (55° 41' 55" N.lat., 160° 03' 12" W.long.) to Waterfall Point (55° 43' 13" N.lat., 160° 01' 05" W.long.) and;

2) in the Stepovak Flats Section as described in 5 AAC 09.200(f).

(b) In years when a harvestable surplus for the first (Black Lake) and second (Chignik Lake) runs of Chignik River system sockeye salmon is expected to be less than 600,000, no commercial salmon fishery is allowed in the East Stepovak, Northwest Stepovak (except Orzinski Bay), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, as described in 5 AAC 09.200(f), until a harvest of 300,000 sockeye salmon is achieved in the Chignik Area, as described in 5 AAC 15.100. After July 8, if at least 300,000 sockeye salmon have been harvested in the Chignik Area, and if escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area will be at least 600,000 and the number of sockeye salmon harvested in the East Stepovak, Stepovak Flats, Northwest Stepovak (except Orzinski Bay), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections approaches as near as possible seven percent of the total Chignik sockeye salmon catch.

(c) In years when a harvestable surplus beyond escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000, but the first run fails to develop as predicted and it is determined that a total sockeye salmon harvest in the Chignik Area of 600,000 or more might not be achieved, the commercial salmon fishery in the East Stepovak, Stepovak Flats, Northwest Stepovak (except Orzinski Bay), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections shall be curtailed in order to allow a harvest in the Chignik Area of at least 300,000 sockeye salmon by July 9 if that number of fish are determined to be surplus to the escapement goals of the Chignik River system. After July 8, if at least 300,000 sockeye salmon have been harvested in the Chignik Area, and if escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area is at least 600,000 and the number of sockeye salmon harvested in the East Stepovak, Stepovak Flats, Northwest Stepovak (except Orzinski Bay), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections approaches as near as possible seven percent of the total Chignik sockeye salmon catch.

(d) In years when a harvestable surplus beyond the escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 and the department determines that the runs are as strong as expected, the department shall manage the fishery so that the number of sockeye salmon taken in the East Stepovak, Stepovak Flats, Northwest Stepovak (except Orzinski Bay), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections approaches as near as possible seven percent of the total Chignik sockeye salmon catch.

(e) The estimate of sockeye salmon destined for the Chignik River has been determined to be 80 percent of the sockeye salmon harvested in the East Stepovak, Stepovak Flats, Northwest Stepovak (except Orzinski Bay), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections. The remaining sockeye salmon taken in the Southeastern District Mainland fishery (Orzinski Bay) have been determined to be destined for Orzinski Bay.

(f) The total Chignik sockeye salmon catch constitutes those sockeye salmon caught within the Chignik Area, plus 80 percent of the sockeye salmon caught in the East Stepovak, Stepovak Flats, Northwest Stepovak (except Orzinski Bay), Southwest Stepovak, Balboa Bay, and Beaver Bay

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Sections, as described in 5 AAC 09.200(f), plus 80 percent of the sockeye salmon caught in the Cape Igvak Section of the Kodiak Area. The percentage of Chignik sockeye salmon may be permitted to fluctuate above or below seven percent at any time before July 25.

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

(h) During the period from approximately June 26 to July 9, the strength of the second run of the Chignik River system sockeye salmon cannot be evaluated. In order to prevent overharvest of the second run, the department may disallow or severely restrict commercial salmon fishing in the East Stepovak, Stepovak Flats, Northwest Stepovak (except Orzinski Bay), Southeastern District Mainland fishery (Orzinski Bay), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections during this period.

(i) The department shall announce all commercial salmon fishing periods by emergency order. The department shall give at least 24 hours notice before the opening of a commercial salmon fishing period, unless it is an extension of a fishing period in progress.

5 AAC 09.365. SOUTH UNIMAK AND SHUMAGIN ISLANDS JUNE SALMON MANAGEMENT PLAN. (a) Mixed stocks of salmon bound for distant systems have historically been intercepted in significant numbers along the Alaska Peninsula. To ensure that none of these runs are overharvested, it is necessary to restrain their interception.

(b) The Alaska Board of Fisheries has established sockeye guideline harvest levels on the South Unimak and Shumagin Islands interception fisheries during June, which are based on percentages of the latest projected Bristol Bay inshore sockeye harvest as published by the Department of Fish and Game. The South Unimak fishery takes place in the Unimak District and the Ikatan Bay and Bechevin Bay Sections, as described in 5 AAC 09.200(b)(2), (c), (d)(1), plus the following waters of the Southwestern district outside of the Ikatan Bay Section and not included under 5 AAC 09.350: (1) all waters north and west of a line from Cape Pankof light to Thin point (54°57'26" N. lat., 162°33'12" W. long.); and (2) all waters enclosed by a line from Thin point (54°57'26" N. lat., 162°33'12" W. long.) to the northernmost tip of Stag Point (54°10' N. lat., 161°53'45" W. long.) on Deer island to the southernmost tip of Dolgoi Cape (55°03'45" N. lat., 161°44' W. long.) on Dolgoi Island and from the northernmost tip of Bluff Point (55°10' N. lat., 161°53'45" W. long.) on Dolgoi Island to Arch Point Light (55°12'20" N. lat., 161°54'15" W. long.). The Shumagin Islands fishery takes place in the Shumagin Islands Section, as described in 5 AAC 09.200(f)(3). Consistent with the board's Policy Statement on Management of Mixed Stock Salmon Fisheries and traditional harvest patterns, the maximum percentage allowed for the South Unimak fishery is 6.8 percent and for the Shumagin Islands fishery, 1.5 percent. The forecasts for Bristol Bay are sometimes updated as more information becomes available, just before the South Unimak and Shumagin Islands season, and exact numbers of fish cannot be given before the opening of each fishery.

(c) The sockeye guideline harvest levels are distributed proportionally over the June runs to avoid excessive impacts on any segment of the runs. The total allowable harvest in each area shall be harvested according to the following guideline ranges established for the following time periods:

Time Period	Guideline Harvest
June 13-18	35%
June 19-25	45%
June 26-30	20%
	100%

(d) Fishing periods will be announced by field emergency order, and will be adjusted to keep the harvest within the guidelines for each time period. If catches in either fishery fall below the guidelines in the first time period, those unharvested sockeye, up to a maximum of five percent of the total guideline harvest level for that fishery will be added to the guideline harvest level for the second time period. If guideline harvest levels are inadvertently exceeded during any given fishing period, the excess will be a portion of the total guideline harvest level. If, during the last fishing period, the staff determines that no significant fishing occurred due to weather conditions, the staff may permit fishing to continue after June 30.

(e) The South Unimak and Shumagin Island June salmon fisheries target on the more abundant and valuable sockeye salmon. The board recognizes that the harvest of other salmon species is incidental to the sockeye harvest. The board has determined that this incidental harvest is unavoidable and cannot be regulated with the present level of knowledge regarding these fisheries. The board will not support any significant increase in the interception rate of chum salmon taken in the South Unimak and Shumagin Islands June salmon fisheries. These stocks are probably fully utilized in existing terminal fisheries of long standing. This determination is consistent with the philosophy contained in the board's Policy Statement on Management of Mixed Stock Salmon Fisheries. The board recognizes that the conservation and allocation of non-targeted salmon stocks may be a concern during some years, but does not have the data to ensure specific corrective action at this time (January 1990).

(f) The department shall close the June fishery before the sockeye guideline harvest levels are taken if incidental harvest of chum salmon reaches 700,000 fish. When the harvest reaches 400,000 chum salmon, the department shall take appropriate in season management action to reduce the chum salmon harvest while attempting to allow full harvest of the sockeye salmon guideline harvest level. The documented contribution of Russell Creek Hatchery chum salmon to the June fishery shall be added to the chum salmon quota beginning in 1993.

(g) If it becomes necessary for the department to reduce chum salmon harvest, as specified in subsection (f) of this section, fishing periods for set gill net gear shall not be less that 16 hours, unless a fishing period over 16 hours will result in a harvest that exceeds the 700,000 chum salmon maximum incidental annual harvest.

5 AAC 09.366. POST JUNE SALMON MANAGEMENT PLAN FOR THE SOUTHERN ALASKA PENINSULA. (a) The department may open the following areas to salmon fishing from July 20 through September 30:

(1) the Shumagin Islands Section of the Southeastern District, excluding all waters south of a line extending from the eastern shore of Zachary Bay at 55° 22' 39" N. lat., 160° 35' 03" W. long.,to a point on the western shore of Zachary Bay at 55° 22' 39" N. lat., 160° 38' 17" W. long.;

(2) the Southcentral District, excluding the Canoe Bay Section and all waters north of the Pavlof Bay Section north of the latitude of Black Point (55° 24' 34" N. lat.);

(3) the Southwestern District, excluding the Cold Bay, Thin Point, and Morzhovoi Bay Sections, and the Unimak District.

(b) The department may open the following areas to salmon fishing from July 6 through September 30:

(1) in the Shumagin Islands Section of the Southeastern District, all waters south of a line extending from the eastern shore of Zachary Bay at 55° 22' 39" N. lat., 160° 35' 03" W. long.,to a point on the western shore of Zachary Bay at 55° 22' 39" N. lat., 160° 38' 47" W. long.;

(2) in the Pavlof Bay Section of the Southcentral District, all waters north of the latitude of Black Point (55° 24' 34" N. lat.);

(3) the Canoe Bay Section of the Southcentral District;

(4) in the Southwestern District, the Cold Bay, Thin Point and Morzhovoi Bay Sections.

ARTICLE 5. - SMELT FISHERY

5 AAC 09.510. FISHING SEASON. There is no closed season on smelt.

CHAPTER 12. - ALEUTIAN ISLANDS AREA

ARTICLE 1. - DESCRIPTION OF AREA

5 AAC 12.001. APPLICATION OF THIS CHAPTER Requirements set forth in this chapter apply to commercial fishing only, unless otherwise specified. Subsistence fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set forth in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02.

5 AAC 12.100. DESCRIPTION OF AREA (a) Except as provided in (b) of this section the Aleutian Islands Area includes all waters of Alaska in the Aleutian Islands west of Cape Sarichef Light and west of a line extending from Scotch Cap through the easternmost tip of Ugamak Island.

(b) The Aleutian Islands Area does not include the Atka-Amlia Islands Area described in 5 AAC 11.100.

(c) Subsection (b) of this section is repealed December 31, 1994.

ARTICLE 2. - FISHING DISTRICTS AND SECTIONS

5 AAC 12.200. DESCRIPTION OF DISTRICTS AND SECTIONS. (a) Akutan District: all waters between Scotch Cap and Cape Sarichef Light and extending west to and including Akutan Pass. South of Scotch Cap Light, the eastern boundary of the district is a line extending from Scotch Cap through the easternmost tip of Ugamak Island.

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

(1) Beaver Inlet Section: all waters between Cape Sedanka and Cape Kalekta and including Unalga Island;

(2) Unalaska Bay Section: all waters between Cape Kalekta and Cape Kovrizhka;

(3) Makushin Bay Section: all waters between Cape Kovrizhka and Spray Cape;

(4) Kashega Bay Section: all waters between Spray Cape and Konets Head;

(5) Southern Section: all waters between Konets Head and Cape Sedanka.

(c) Umnak District: all waters west of Umnak Pass to Seguam Pass at 172° 50' W. long.

(d) Adak District: all waters west of Atka Pass at 175° 23' W. long., to the terminus of the Aleutian Islands.

ARTICLE 3. - SALMON FISHERY

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

5 AAC 12.320. WEEKLY FISHING PERIODS. Salmon may be taken only as follows:

(1) June 1 through July 18, from 6:00 a.m. Monday until 6:00 p.m. Friday;

(2) from July 19 through September 30, salmon may be taken during open season only during fishing periods established by emergency order;

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

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

(b) Beach seines may not be less than 100 fathoms in length and 3 fathoms in depth, nor more than 250 fathoms in length and 12 fathoms in depth.

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

5 AAC 12.350. CLOSED WATERS. The waters of Inner Iliulik Harbor and Margrets Bay between the Unalaska-Dutch Harbor bridge and 166°32' W. long. are closed to the taking of salmon.

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

CHAPTER 11. - ATKA-AMLIA ISLANDS AREA

ARTICLE 1. - DESCRIPTION OF AREA

5 AAC 11.001. APPLICATION AND INTENT OF THIS CHAPTER (a) This chapter applies to commercial fishing only, unless otherwise specified. Subsistence fishing regulations that affect commercial fishing vessels or other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02.

(b) The Atka-Amlia Island salmon fishery is established as an experimental fishery created to harvest underutilized pink salmon stocks in the terminal bays of Atka and Amlia Islands.

(c) This section is repealed December 31, 1994.

5 AAC 11.100. DESCRIPTION OF AREA (a) The Atka-Amlia Islands Area includes all waters of Alaska between Seguam Pass (172° 50' W. long.) and Atka Pass (175° 23' W. long.)

(b) This section is repealed December 31, 1994.

ARTICLE 3. SALMON FISHERY

5 AAC 11.310. FISHING SEASONS (a) Salmon may be taken only from August 1 through August 31.

(b) This section is repealed December 31, 1994.

5 AAC 11.320. WEEKLY FISHING PERIODS (a) Salmon may be taken only from 6:00 a.m. to 6:00 p.m. Mondays, Wednesdays and Fridays.

(b) This section is repealed December 31, 1994.

5 AAC 11.330. GEAR (a) Salmon may be taken by purse seines, and set gillnets. A purse seine may be operated only by the holder of an Area M CFEC purse seine limited entry permit.

(b) This section is repealed December 31, 1994.

5 AAC 11.331. GILL NET SPECIFICATIONS AND OPERATION (a) The size and operation of a set gillnet is as follows:

(1) a set gillnet may not exceed 100 fathoms in length; each CFEC permit holder may operate no more than one set gill net;

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

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

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

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

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

(b) This section is repealed December 31, 1994.

5 AAC 11.332. SEINE SPECIFICATIONS AND OPERATION (a) A purse seine must be at least 100 fathoms long, but may not exceed 250 fathoms in length.

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

(c) This section is repealed December 31, 1994.

5 AAC 11.341. VESSEL LENGTH (a) A vessel used for set net fishing may not exceed 29 feet in overall length.

(b) This section is repealed December 31, 1994.

5 AAC 11.350. CLOSED WATERS (a) The waters specified in 5 AAC 39.290 are closed to salmon fishing.

(b) This section is repealed December 31, 1994.

5 AAC 11.370. REGISTRATION (a) Each Atka-Amlia Islands Area seine and set net permit holder shall register himself or herself, and each vessel that permit holder will use, by contacting a department area management biologist in Dutch Harbor, Cold Bay, Sand Point, or other place specified by the department, at least 48 hours before the season opens or before beginning commercial fishing.

(b) This section is repealed December 31, 1994.

APPENDIX B: EMERGENCY ORDER SUMMARY

Appendix B.1. Alaska Peninsula Management Area emergency order summary, 1992.

EMERGENCY ORDER NO. 4-F-M-PM-01-92

EFFECTIVE DATE: 6:00 P.M. June 10, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Bear River Section of the Northern District 24 hours from 6:00 p.m. Wednesday June 10 until 6:00 p.m. Thursday June 11.

JUSTIFICATION: The Bear River escapement as of 8:45 a.m. June 10 was 1,900 sockeye. The June 15 minimum escapement goal is 2,000 sockeye. With the currrent escapement rate, the minimum escapement goal for June 15 should be exceeded. The Bear River escapement went from 561 fish on June 8 to 1,499 on June 9. As of June 10 at 8:45 a.m., 400 sockeye were passed through the weir with a good showing still behind the weir.

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EMERGENCY ORDER NO. 4-FS-M-CB-01-92

EFFECTIVE DATE: 12:01 A.M. June 13, 1992

EXPLANATION: This emergency order closes the waters near Sanak Island (bounded by the latitude of Hague Rock and the longitude of Cape Pankof Light south of the latitude of Hague Rock) during June 13 through July 5, 1992.

JUSTIFICATION: There is a limit to the number of chum salmon that can be taken in the South Unimak and Shumagin Islands June fisheries (these fisheries will begin no earlier than June 13 and could potentially extend until July 5), although sockeye are the targeted species. If the chum cap is reached, the fishery will close regardless of the unharvested sockeye allocation.

In the past, the area around Sanak Island has produced high chum to sockeye ratios. Historically, commercial salmon fishing records indicate a very limited to non-existent fishing effort near Sanak Island, although during the past two years, fishing interest has increased. Even though the fishing effort was light (i.e. less than 4 boats), the corresponding catch per unit of effort combined with the high chum per sockeye ratio could result in substantial numbers of chum salmon being harvested, if effort were to increase. A substantial amount of effort around Sanak Island could result in a loss of sockeye salmon to the South Unimak - Shumagin Islands June fishery.

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EMERGENCY ORDER NO. 4-FS-M-CB-02-92

EFFECTIVE DATE: 6:00 A.M. June 15, 1992

EXPLANATION: This emergency order allows a 6:00 A.M. until 10:00 P.M. commercial salmon fishing period during June 15 in the South Unimak - Shumagin Islands fisheries.

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JUSTIFICATION: The June 12 - 18 sockeye allocations for the Shumagin Islands and South Unimak fisheries are 151,000 and 686,000 fish respectively. A 700,000 chum salmon catch ceiling is placed over both fisheries combined. Test fishing indicated that the chum to sockeye ratio was too high to allow a fishery on the earliest possible dates of June 13 and 14. The ratio is improving and fishing time is needed to harvest the sockeye allocations.

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EMERGENCY ORDER NO. 4-FS-M-CB-03-92

EFFECTIVE DATE: 10:00 P.M. June 15, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 16 hours until 2:00 P.M. June 16 in the South Unimak fishery.

JUSTIFICATION: The June 12 - 18 sockeye allocations for the Shumagin Islands and South Unimak fisheries are 151,000 and 686,000 fish respectively. A 700,000 chum salmon catch ceiling is placed over both fisheries combined. Reports from fishermen in the Shumagin Islands indicate large numbers of salmon are being harvested and no more fishing time should be allowed until the catches are totaled after the present fishing period. However, at south Unimak there are reports extending over the entire fishery of unusually sockeye to chum ratios. The volume at South Unimak is reported to be moderate. A 16 hour extension should not result in an unacceptably high chum catch and should fall well short of the June 16 - 18 sockeye allocation. This extension will enable the fishery to continue while the actual June 15 harvest is being evaluated, and further extensions can be considered if the harvest levels warrant. It is desirable to harvest as many allowable sockeye as possible while the sockeye to chum ratio is high.

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EMERGENCY ORDER NO. 4-FS-M-CB-04-92

EFFECTIVE DATE: 2:00 P.M. June 16, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 2:00 P.M. June 17 in the South Unimak fishery. An 8:00 A.M. until 4:00 P.M. fishing period during June 17 is established for the Shumagin Island fishery.

JUSTIFICATION: The June 15 salmon harvest in the Shumagin Islands was 91,300 sockeye and 26,600 chums. The June 13 - 18 Shumagin Islands sockeye allocation of 151,000 should be reached in an eight hour period on June 17.

The June 15 reported harvest at South Unimak was 170,000 sockeye and 15,000 chums. Weather has slowed the fishery during June 16. The sockeye to chum ratio at South Unimak is unusually high (11.3 to 1) and more fishing time should be allowed while the ratio is high. If the sockeye to chum ratio drastically falls, the chum harvest will not be close to the 700,000 chum cap in such a short period of time. It is also not anticipated that the June 13 - 18 sockeye guideline harvest level of 686,000 fish will be surpassed by 2:00 P.M. June 17.

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EMERGENCY ORDER NO. 4-F-M-SP-19-92

EFFECTIVE DATE: 3:00 P.M. June 16, 1992

EXPLANATION: This emergency order changes the required 36 hour notice as given in the Southeastern District Mainland (Alaska Peninsula Area) Salmon Management Plan, 1992, to a 24 hour notice prior to the first commercial salmon fishing period in the Southeastern District Mainland fishery: East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The escapement of Chignik sockeye salmon through July 15 is 80,041 salmon. July 16 escapements should total an estimated 25,000 or more salmon. The July 16 cumulative escapement should be equal to or above the July 16 upper escapement goal of 100,000 salmon. Test fishing in Chignik Lagoon today resulted in an estimate of 100,000 salmon in the lagoon. It is anticipated that Chignik will have a commercial salmon opening soon.

A reduction in the required hours of notice prior to the first opening to 24 hours is necessary to allow for the optimum opportunity for Area M fishermen to harvest the 7% allocation of Chignik destined sockeye as outlined in the Southeastern District Management Plan.

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EMERGENCY ORDER NO. 4-FS-M-CB-05-92

EFFECTIVE DATE: 2:00 P.M. June 17, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 2:00 P.M. June 18 in the South Unimak fishery.

JUSTIFICATION: The June 16 harvest at South Unimak was 173,000 sockeye and 30,000 chums. The sockeye to chum ratio at South Unimak is unusually high (5.8 to 1) and more fishing time should be allowed while the ratio is favorable. If the sockeye to chum ratio drastically falls, the chum harvest will not be close to the 700,000 chum cap in such a short period of time. The total catch through June 16 is 343,000 sockeye as compared to the period guideline harvest level of 686,000.

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EMERGENCY ORDER NO. 4-F-M-PM-02-92

EFFECTIVE DATE: 6:00 P.M. June 17, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Ilnik Section six (6) hours from 6:00 p.m. Wednesday, June 17 until 12:00 p.m. midnight Wednesday, June 17. The Bear River Section is extended 24 hours from 6:00 p.m. Wednesday June 17 until 6:00 p.m. Thursday June 18.

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JUSTIFICATION: The Ilnik River weir escapement as of June 16 is 5,711 sockeye. The June 25 escapement goal is 8,000-12,000. At the present escapement levels of 700 sockeye/day, the minimum escapement should be reached by June 25.

The escapement through the Bear River weir on June 16 was 13,582 sockeye. The June 20 escapement goal is 5,000-15,000 sockeye. With the current escapement rate of 2,400 sockeye/day, the maximum escapement goal for June 20 should be exceeded.

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EMERGENCY ORDER NO. 4-FS-M-CB-06-92

EFFECTIVE DATE: 12:01 A.M. June 19, 1992

EXPLANATION: This emergency order establishes a 12:01 A.M. until 10:00 P.M. commercial salmon fishing period in the South Unimak fishery during June 19. An 8:00 A.M. until 8:00 P.M. commercial salmon fishing period during June 19 is established for the Shumagin Islands fishery.

JUSTIFICATION: The June 13 - 18 sockeye guideline harvest level period in the Shumagin Islands Section has been exceeded. Another guideline harvest level period begins on June 19 and fishing time is needed to harvest the resource. In view of the extremely high catch of 114,000 sockeye in eight hours on June 17, fishing time will be limited to 12 hours to prevent the June 19 - 25 allocation of 195,000 fish from being exceeded in one day.

It is projected that the June 13 - 18 South Unimak guideline harvest level of 686,000 sockeye will be reached by 2:00 P.M. June 18. A reopening on June 19 will give the fleet an opportunity to harvest part of the June 19 - 25 guideline harvest level. The South Unimak fishery has demonstrated a need for more fishing time than is needed in the Shumagin Islands to harvest its allocation.

The combined South Unimak - Shumagin Islands chum catch is 132,000, well below the 700,000 cap.

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EMERGENCY ORDER NO. 4-F-M-SP-21-92

EFFECTIVE DATE: 8:00 A.M. June 19, 1992

EXPLANATION: This emergency order allows a 8:00 A.M. Friday, June 19 until 8:00 A.M. Saturday, June 20, 1992 salmon fishing period in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point $55^{0}41'55"$ N.lat., $160^{0}03'12"$ W.long., to Waterfall Point $55^{0}43'13"$ N.lat., $160^{0}01'05"$ W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:01 A.M. June 17, the sockeye escapement in Chignik is 109,201 salmon. As of 4:00 P.M. June 17 the commercial sockeye salmon catch in the Chignik Management Area is an estimated 150,000 salmon. Indications of run strength for the 1992 early Chignik sockeye stock show that at this time the run is about as strong as expected in the preseason forecast.

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A 8:00 A.M. Friday, June 19 until 8:00 A.M. Saturday, June 20 fishing period in the Southeastern District Mainland area will give fishermen the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin until the end of June. Currently, no salmon have passed the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

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EMERGENCY ORDER NO. 4-FS-M-CB-07-92

EFFECTIVE DATE: 12:01 A.M. June 21, 1992

EXPLANATION: This emergency order closes the commercial salmon fishing season in the Urilia Bay Section during the week of June 21 - 27.

JUSTIFICATION: The early portion of the Urilia Bay sockeye run is weak. Only 7,000 sockeye were harvested during the present week when the harvest should have been approximately three times that level. A recent survey indicated that the escapement is poor. A week long closure should allow for more early fish to escape while allowing the fleet to harvest later sockeye which are anticipated to be much more numerous.

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EMERGENCY ORDER NO. 4-FS-M-CB-08-92

EFFECTIVE DATE: 6:00 A.M. June 21, 1992

EXPLANATION: This emergency order establishes a 6:00 A.M. until 10:00 P.M. commercial salmon fishing period in the South Unimak fishery during June 21. An 8:00 A.M. until 12:00 Noon commercial salmon fishing period during June 21 is established for the Shumagin Islands fishery.

JUSTIFICATION: The Shumagin Islands sockeye harvest to date is 363,000. Based on harvest rates during June 19, it is estimated that the balance (37,000) of the June 19 - 25 allocation can be harvested in four hours.

The June 19 - 25 South Unimak sockeye harvest to date is about 350,000 fish, taken during June 19. A 16 hour fishery on June 21 is needed to harvest more of the 881,000 June 19 - 25 sockeye guideline harvest level.

The sockeye to chum ratios continue to be high. Approximately 275,000 chum salmon have been taken in the South Unimak - Shumagin Islands fisheries combined, well below the 700,000 cap.

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EMERGENCY ORDER NO. 4-FS-M-CB-09-92

EFFECTIVE DATE: 10:00 P.M. June 21, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 16 hours until 2:00 P.M. June 22 in the South Unimak fishery.

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JUSTIFICATION: There are 529,000 sockeye left to be taken in the June 19 - 25 guideline harvest level period at South Unimak. If catch levels decline to the 100,000 level or lower, fishing time will need to be maximized. The sockeye to chum ratio is reported to remain high by fishermen on the grounds. Catches are reported to be spotty. Even if the sockeye catch remains high, it is not anticipated that this periods guideline harvest level will be exceeded. Prior to this fishing period only 270,000 chums have been caught and the 700,000 chum cap should not be reached even if chum catches greatly increase.

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EMERGENCY ORDER NO. 4-FS-M-CB-10-92

EFFECTIVE DATE: 11:00 A.M. June 22, 1992

EXPLANATION: This emergency order closes the Cape Lutke Section to commercial salmon fishing at 11:00 A.M. June 22, three hours earlier than the balance of the South Unimak fishery.

JUSTIFICATION: The South Unimak fishery is managed on the basis of a sockeye allocation. Large numbers of chum salmon have suddenly appeared in the Cape Lutke Section. A 700,000 chum salmon ceiling is placed on the South Unimak and Shumagin Islands fisheries combined. The Cape Lutke Section should be closed at this time in order to minimize the incidental chum salmon catch.

It is estimated from reports that the sockeye catch will be quite large, consequently the season allocation could be reached during this period. At any rate, it is likely that no more fishing time can be allowed in the Cape Lutke Section without greatly exceeding the sockeye allocation. Therefore, the Cape Lutke Section will remain closed for the duration of the time period covering the June fishery.

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EMERGENCY ORDER NO. 4-FS-M-CB-11-92

EFFECTIVE DATE: 6:00 A.M. June 24, 1992

EXPLANATION: This emergency order reduces commercial salmon fishing time 48 hours each week to 6:00 A.M. Monday until 6:00 P.M. Wednesday each week in the Black Hills Section prior to July 12.

JUSTIFICATION: The Black Hills Section has been receiving intense fishing effort during recent years, especially when other nearby sections are closed. King salmon escapements have been declining. A reduction in fishing time to a 6:00 P.M. Wednesday closure each week during the king salmon run should greatly reduce fishing pressure.

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EMERGENCY ORDER NO. 4-F-M-PM-03-92

EFFECTIVE DATE: 6:00 P.M. June 24, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Ilnik Section, 24 hours from 6:00 p.m. Wednesday, June 24 until 6:00 p.m. Thursday, June 25. The Bear River Section is extended 24 hours from 6:00 p.m. Wednesday, June 24 until 6:00 p.m. Thursday, June 25. The Three Hills Section will open to commercial salmon fishing effective 12:01 a.m. Thursday, June 25 until 6:00 p.m. Thursday, June 25.

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JUSTIFICATION: The Ilnik River weir escapement as of 2:00 p.m. June 23 is 13,880 sockeye salmon. The June 25 escapement goal is 8,000 - 12,000 and has been exceeded. Escapement through the weir has been increasing and peaked on June 22 with 1,797 salmon.

The escapement through the Bear River weir as of June 22 was 53,540 sockeye. The June 25 escapement goal is 15,000 - 40,000 sockeye and has been exceeded. The weir count peaked on June 22 with 13,821 salmon and has been increasing considerably over the past three days.

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EMERGENCY ORDER NO. 4-FS-M-PM-04-92

EFFECTIVE DATE: 6:00 P.M. June 25, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Ilnik Section, from 6:00 p.m. Thursday, June 25 until 10:00 p.m. Friday, June 26. The Bear River and Three Hills Sections are extended 24 hours from 6:00 p.m. Thursday, June 25 until 6:00 p.m. Friday, June 26. The Herendeen-Moller Bay Section is extended 24 hours from 6:00 p.m. Thursday, June 25, to 6:00 p.m. Friday, June 26.

JUSTIFICATION: The Ilnik River weir escapement as of June 24 is 17,187 sockeye salmon. The June 25 escapement goal is 8,000 - 12,000 and has been exceeded. Escapement through the weir has been increasing and peaked yesterday, June 24 with 3,098 salmon. Effort in the Ilnik Section is presently 2-3 set gillnet boats.

The escapement through the Bear River weir, as of June 24, was 73,262 sockeye. The June 25 escapement goal of 15,000 - 40,000 sockeye has already been exceeded. The weir count has averaged 10,751 over the past four days, with yesterdays count of 8,242. The morning count, as of 8:45 a.m. June 25, was 1,000 sockeye and equivalent to yesterdays morning count. Effort in the Bear River and Three Hills Sections has increased over the past day to approximately 90-100 drift gillnet boats, and is expected to slow the escapement. Effort in the Herendeen-Moller Bay Section is presently one set gillnet.

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EMERGENCY ORDER NO. 4-FS-M-CB-13-92

EFFECTIVE DATE: 12:00 P.M. Midnight, June 25, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time in the Nelson Lagoon Section 24 hours until 12:00 Midnight Friday during the week of June 21 - 27.

JUSTIFICATION: The sockeye escapement past Nelson River Tower is 15,000 fish through June 22 and daily escapements increase each day. At this rate, it appears that the June 30 escapement goal of 30,000 sockeye past the Nelson River Tower or weir will be easily reached. More fishing time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-12-92

EFFECTIVE DATE: 12:00 A.M. Noon, June 26, 1992

EXPLANATION: This emergency order establishes a 5 hour 12:00 Noon until 5:00 P.M. commercial salmon fishing period during June 26 in that portion of the South Unimak fishery not included in closed waters under 5 AAC 09.350. The Cape Lutke Section and those waters around Sanak Island bounded by the latitude of Hague Rock are closed under 5 AAC 09.350 by previous emergency orders. A 12:00 Noon until 2:30 P.M. commercial salmon fishing period is established for the Shumagin Islands Section

JUSTIFICATION: There are only 34,000 sockeye left to be harvested in the South Unimak allocation and only 32,000 sockeye left to be harvested in the Shumagin Islands allocation. It is calculated, considering reduced fishing effort (the drift gillnet fleet is moving to Port Moller), reduced fishing area, and the peak of the sockeye run should be past, that only five hours fishing time will be required to harvest the balance of the sockeye allocation at south Unimak. The Shumagin Islands fishery has demonstrated that it can harvest is sockeye allocation much more easily than at South Unimak, therefore only 2-1/2 hours should be needed to reach the Shumagin season allocation.

It is anticipated that if the Cape Lutke Section was open, the South Unimak catch could greatly exceed the 34,000 sockeye left in the season allocation.

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EMERGENCY ORDER NO. 4-F-M-SP-22-92

EFFECTIVE DATE: 5:00 P.M. June 26, 1992

EXPLANATION: This emergency order allows a 5:00 P.M. Friday, June 26 until 5:00 P.M. Saturday, June 27, 1992 salmon fishing period in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point $55^{0}41'55"$ N.lat., $160^{0}03'12"$ W.long., to Waterfall Point $55^{0}43'13"$ N.lat., $160^{0}01'05"$ W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:01 A.M. June 25, the sockeye escapement in Chignik is 351,477 salmon. As of 10:00 P.M. June 24 the commercial sockeye salmon catch to date in the Chignik Management Area is an estimated 250,000 salmon. The Chignik Bay, Central, and Eastern Districts of the Chignik Management Area are open until further notice. Indications of run strength and timing for the 1992 early Chignik sockeye stock show that at this time the run is believed to be weaker than forecast (preseason forecasted early run harvest of 1.40 million sockeye), may well be running late, but will meet the objectives of the Southeastern District Salmon Management Plan in regards to escapement goals and commercial catch allocations within each management area.

The Cape Igvak Section of the Kodiak Management Area will have a 40 hour fishing period to run from 8:00 A.M. Friday, June 26 until 12:01 A.M. Sunday, June 28.

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A 5:00 P.M. Friday, June 26 until 5:00 P.M. Saturday, June 27 fishing period in the Southeastern District Mainland area will give fishermen the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin until the end of June. Currently, no salmon have passed the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

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EMERGENCY ORDER NO. 4-FS-M-PM-05-92

EFFECTIVE DATE: 10:00 P.M. June 26, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Ilnik Section, from 10:00 p.m. Friday, June 26 until 10:00 p.m. Saturday, June 27.

JUSTIFICATION: The Ilnik River weir escapement as of June 25 is 18,977 sockeye salmon. The June 25 escapement goal is 8,000 - 12,000. The July 1 escapement goal is 16,000 - 24,000. At the previous five-day average of 1,910 sockeye/day, the maximum goal for July 1 should be exceeded. The escapement on June 25 was the third highest this season. Effort in the Ilnik Section is presently 2-3 set gillnet boats.

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EMERGENCY ORDER NO. 4-F-M-SP-23-92

EFFECTIVE DATE: 1:00 A.M. June 28, 1992

EXPLANATION: This emergency order changes the required 24 hour notice to a 12 hour notice given prior to a commercial salmon fishing period in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The harvest of Chignik bound sockeye through June 26 in the Chignik Area is an estimated 377,809 salmon, in the Cape Igvak Section of the Kodiak Management is an estimated 48,260 salmon and in the Mainland area of the Alaska Peninsula Management Area is an estimated 33,512 salmon. As of midnight June 26 the sockeye salmon escapement past the Chignik weir totaled 374,722 salmon. Fishermen report that catches in the Chignik Area continue to improve. The Cape Igvak, Chignik, and Southeastern District Mainland fisheries are open today, June 27. Indications of run strength and timing for the 1992 early Chignik sockeye stock show that at this time the run is believed to be weaker than forecast (preseason forecasted early run harvest of 1.40 million sockeye) and may well be running late.

To meet the objectives of the Southeastern District Salmon Management Plan in regards to commercial catch allocations within each management area it may be necessary to have an additional commercial salmon fishing period in the Southeastern District Mainland area.

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If additional fishing time is provided in the Mainland area, the fishing period should be as soon as possible so that any harvest would be from the early run of Chignik sockeye salmon.

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EMERGENCY ORDER NO. 4-FS-M-CB-14-92

EFFECTIVE DATE: 6:00 A.M. June 29, 1992

EXPLANATION: This emergency order reduces the commercial salmon fishing period 24 hours to 6:00 A.M. Monday to 6:00 P.M. Wednesday during the week of June 28 - July 4 in the Urilia Bay and Swanson Lagoon Sections.

JUSTIFICATION: Due to the closure of the South Peninsula fisheries, a large increase in fishing effort is anticipated in the Urilia Bay and Swanson Lagoon Sections during the week of June 28 - July 4. The strength of the Swanson Lagoon and Urilia Bay sockeye and chum runs isn't known at this time. The fishing period should be reduced until run strength and escapement levels can be assessed.

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EMERGENCY ORDER NO. 4-F-M-SP-24-92

EFFECTIVE DATE: 10:00 A.M. June 29, 1992

EXPLANATION: This emergency order allows a 10:00 A.M. Monday, June 29 until 8:00 P.M. Monday, June 29, 1992 salmon fishing period in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point $55^{0}41'55"$ N.lat., $160^{0}03'12"$ W.long., to Waterfall Point $55^{0}43'13"$ N.lat., $160^{0}01'05"$ W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:01 A.M. June 28, the sockeye escapement in Chignik is 375,508 salmon. As of midnight June 27 the commercial sockeye salmon catch to date in the Chignik Management Area is an estimated 458,582 salmon. The Chignik Bay, Central, and Eastern Districts of the Chignik Management Area are open until further notice. Indications of run strength and timing for the 1992 early Chignik sockeye stock show that at this time the run is believed to be weaker than forecast (preseason forecasted early run harvest of 1.40 million sockeye), may well be running late, but will meet the objectives of the Southeastern District Salmon Management Plan in regards to escapement goals and commercial catch allocations within each management area.

As of midnight June 27 the commercial sockeye salmon catch to date in the Cape Igvak Section of the Kodiak Management Area is an estimated 72,270 sockeye salmon, the Cape Igvak Section will be open until 9:00 P.M. Tuesday, June 30.

A 10:00 A.M. Monday, June 29 until 8:00 P.M. Monday, June 29 fishing period in the Southeastern District Mainland area will give fishermen the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

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Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake cumulative sockeye escapement through 12:01 AM June 28 is 501 salmon. The July 1 escapement goal is 2,000 sockeye salmon. Currently, not enough salmon have passed the Orzinski Lake weir to warrant opening Orzinski Bay to commercial salmon fishing.

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EMERGENCY ORDER NO. 4-F-M-SP-25-92

EFFECTIVE DATE: 10:00 A.M. June 29, 1992

EXPLANATION: This emergency order allows a 10:00 A.M. Monday, June 29 until 8:00 P.M. Monday, June 29, 1992 salmon fishing period in Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point ($55^0$41'55" N.lat., $160^0$03'12" W.long.) to Waterfall Point ($55^0$43'13" N.lat., $160^0$01'05" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:01 A.M. June 29, the cumulative sockeye escapement past the Orzinski Lake weir was 1,756 salmon. The daily escapement on June 28 was 1,255 sockeye salmon. The first escapement goal into Orzinski Lake is 2,000 sockeye salmon by 1 July.

A 10:00 A.M. Monday, June 29 until 8:00 P.M. Monday, June 29 fishing period in Orzinski Bay will coincide with a commercial salmon fishing period in the remainder of the Southeastern District Mainland area. An opening at this time will spread the fleet throughout the Southeastern District Mainland area.

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EMERGENCY ORDER NO. 4-FS-M-CB-15-92

EFFECTIVE DATE: 6:00 A.M. July 1, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 6:00 P.M. Friday during the week of June 28 - July 4 in the Inner Port Heiden Section.

JUSTIFICATION Fishing effort in the Inner Port Heiden Section consists of less than four set gillnet operations and fishermen must transport their fish to Port Moller. Catch per unit effort on June 30 was 300 sockeye which indicates a strong run. In view of the light effort and good catch per unit effort, more fishing time can be allowed at this time without endangering the resource.

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EMERGENCY ORDER NO. 4-FS-M-PM-06-92

EFFECTIVE DATE: 6:00 P.M. July 2, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Bear River and Three Hills Sections 24 hours from 6:00 p.m. Thursday, July 2 until 6:00 p.m. Friday, July 3. That portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point is extended 24 hours from 6:00 p.m. Thursday, July 2 to 6:00 p.m. Friday, July 3.

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JUSTIFICATION: The escapement through the Bear River weir, as of June 30, was 103,087 sockeye. The July 5 interim escapement goal of 80,000 - 100,000 sockeye has already been exceeded. The weir count averaged 8,424 sockeye over the past two days, with yesterdays count of 7,756. Effort in the Bear River and Three Hills Sections is approximately 150 boats and is expected to slow the escapement considerably. Effort in that portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point consists of one or two set gill net boats.

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EMERGENCY ORDER NO. 4-FS-M-CB-16-92

EFFECTIVE DATE: 12:00 P.M. Midnight, July 2, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time in the Nelson Lagoon Section 24 hours until 12:00 P.M. Friday during the week of June 28 - July 4.

JUSTIFICATION: The sockeye escapement through Nelson River weir is 51,000. It appears that the July 5 escapement target of 65,000 can be reached while allowing an additional 24 hours of fishing time.

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EMERGENCY ORDER NO. 4-FS-M-PM-07-92

EFFECTIVE DATE: 6:00 P.M. July 3, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Bear River and Three Hills Sections 24 hours from 6:00 p.m. Friday, July 3 until 6:00 p.m. Saturday, July 4. That portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point is extended 24 hours from 6:00 p.m. Friday, July 3 to 6:00 p.m. Saturday, July 4.

JUSTIFICATION: The escapement through the Bear River weir, as of July 2 was 107,382 sockeye. The daily weir count has decreased considerably for the past four days, down to 1,104 sockeye on July 2. Effort in the Bear River and Three Hills Sections is approximately 150 - 175 boats and is expected to slow the escapement. Effort in that portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point consists of one or two set gill net boats. Therefore, based on the current total escapement through July 2, which has exceeded the desired escapement goal for July 5 of 80,000 - 100,000, and the daily commercial harvest rate indicating more fish are en route, it is appropriate to extend these areas. This extension will provide the optimum opportunity to harvest sockeye salmon surplus to the escapement needs while maintaining the desired escapement goals.

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EMERGENCY ORDER NO. 4-FS-M-PM-08-92

EFFECTIVE DATE: 12:00 Noon, July 4, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Bear River and Three Hills Sections until 6:00 p.m. Thursday, July 16, and reduces the closed waters at Bear River to the stream terminus at the ocean shoreline between 12:00 noon July 4 until 6:00 p.m. July 16. That portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point is extended until 6:00 p.m. Thursday, July 16.

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JUSTIFICATION: The escapement through the Bear River weir, as of July 3 was 124,048 sockeye. The daily weir count yesterday was 16,666. The stream terminus at the ocean shoreline of the Bear River is open to more effectively control the escapement. More fishing time is needed to reduce the escapement. Based on the current total escapement through July 3, which has exceeded the desired escapement goal for July 15 of 110,000 - 125,000, and the daily commercial harvest rate indicating more fish are en route, it is appropriate to extend these areas and provide the optimum opportunity to harvest sockeye salmon surplus to the escapement needs while preventing over-escapement.

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EMERGENCY ORDER NO. 4-F-M-SP-26-92

EFFECTIVE DATE: 6:00 A.M. July 6, 1992

EXPLANATION: This emergency order reduces the closed waters at Orzinski River to the stream terminus at the ocean shoreline from 6:00 A.M. Monday, July 6 until 12:01 A.M. Thursday, July 16, 1992.

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The escapement through the Orzinski Lake weir, as of 8:00 P.M. July 5 was about 9,000 sockeye salmon. The daily weir count through 8:00 P.M. today, July 5 was 4,100 sockeye salmon and the river is reported to be full of salmon. The July 9 escapement goal is 5,000 salmon and the July 16 escapement goal is 10,000 salmon.

A 6:00 A.M. Monday, July 6 until 10:00 P.M. Monday, July 6 fishing period has been announced for Orzinski Bay.

Based on the current escapement and the ADF&G report of many more fish in the river it is appropriate to reduce the closed waters at Orzinski River to the stream terminus at the ocean shoreline until July 16 when the cumulative escapement goal requirement is increased to 10,000 salmon.

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EMERGENCY ORDER NO. 4-FS-M-CB-17-92

EFFECTIVE DATE: 6:00 A.M. July 6, 1992

EXPLANATION: This emergency order reduces commercial salmon fishing time 48 hours to 6:00 A.M. Monday until 6:00 P.M. Tuesday during the week of July 5 - 11 in the Urilia Bay and Swanson Lagoon Sections. A 6:00 A.M. Monday July 6 until 6:00 P.M. Tuesday July 7 commercial salmon fishing period is established for the Bechevin Bay Section.

The closed waters of Peterson Lagoon are expanded to include all waters over 750 yards upstream from the lagoon entrance.

JUSTIFICATION: Recent surveys of Christianson's Lagoon (at Urilia Bay) and Swanson Lagoon indicated there was escapement but it was difficult to tell how strong the escapements were due to water conditions. The previous weeks catches

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indicated sockeye and chum runs were healthy. A 36 hour fishing period during July 6 - 7 will allow the fleet to harvest salmon and test run strength while still allowing plenty of closed time to get escapements. Chum salmon are now entering Bechevin Bay, and a 36 hour fishing period during July 6 -7 will allow fishermen to test run strength.

Salmon in the upper portion of Peterson Lagoon are needed for escapement and are of very poor quality. Closing the upper portion of the lagoon is needed to achieve proper sockeye and chum escapements and to prevent salmon wastage.

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EMERGENCY ORDER NO. 4-FS-M-CB-18-92

EFFECTIVE DATE: 6:00 A.M. July 6, 1992

EXPLANATION: This emergency order establishes a 6:00 A.M. until 10:00 P.M. commercial salmon fishing period in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Bay Section
3. Cold Bay Section
4. Canoe Bay Section
5. That portion of the Pavlof Bay section located north of the latitude of Black Point.
6. Zachary Bay located south of $55^0$22'39" N. lat.
7. Orzinski Bay

JUSTIFICATION: South Peninsula sockeye and chum salmon should be entering locations where fishing is allowed under the post June Management Plan prior to July 20 in that portion of the South Peninsula located outside the Southeastern District Mainland. The Orzinski Bay sock- eye weir count through July 2 is 2,700, there is presently good sign of fish in the bay and it appears likely that the July 9 target of 5,000 escapement will be easily reached. A short opening at this time will allow the fleet to harvest salmon and test run strength. Due to the relatively small area that is open to commercial salmon fishing on the South Peninsula, effort is expected to be intense.

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EMERGENCY ORDER NO. 4-F-M-SP-27-92

EFFECTIVE DATE: 10:00 P.M. July 6, 1992

EXPLANATION: This emergency order allows a 10:00 P.M. Monday, July 6 until 12:01 A.M. Thursday, July 16, 1992 salmon fishing period in Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point ($55^0$41'55" N.lat., $160^0$03'12" W.long.) to Waterfall Point ($55^0$43'13" N.lat., $160^0$01'05" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:01 A.M. July 5, the cumulative sockeye escapement past the Orzinski Lake weir was 10,184 salmon. The daily escapement on July 5 was 5,285 sockeye salmon. The July 16 escapement goal for Orzinski Lake is 10,000 sockeye salmon.

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Currently, Orzinski Bay is open to commercial salmon fishing from 6:00 A.M. Monday, July 6 until 10:00 P.M. Monday, July 6, and the closed waters at the stream terminus have been reduced to the ocean shoreline.

A 10:00 P.M. Monday, July 6 until 12:01 A.M. Thursday, July 16 opening for Orzinski Bay is appropriate because the escapement goal through July 16 has been achieved.

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EMERGENCY ORDER NO. 4-FS-M-CB-19-92

EFFECTIVE DATE: 12:00 P.M. Midnight, July 9, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time in the Nelson Lagoon Section 24 hours until 12:00 P.M. Friday during the week of July 5-11.

JUSTIFICATION: The sockeye salmon escapement past the Nelson River Tower is 90,000 which is at the goal level through July 10. The harvest in Nelson Lagoon increased from 10,000 sockeye on July 7 to 19,000 on July 8 indicating that the run is increasing. A 24 hour extension can be allowed at this time while still reaching the season escapement goal range of 100,000 to 150,000.

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EMERGENCY ORDER NO. 4-FS-M-CB-21-92

EFFECTIVE DATE: 6:00 A.M. July 12, 1992

EXPLANATION: This emergency order opens the commercial salmon fishing period 24 hours earlier than scheduled in the Inner Port Heiden and Nelson Lagoon Sections. After 6:00 A.M. July 12, commercial salmon fishing will be allowed continuously through July 31 in the Inner Port Heiden Section.

JUSTIFICATION: A total of 12,700 sockeye were counted in a recent aerial survey of the Meshik River. This is within the escapement goal range of 10,000 to 20,000. Many of the fish were observed in the lower end which indicates the escapement should go much higher. Fishing effort consists of only two set gillnet fishermen. More fishing time is needed to harvest the resource.

The Nelson Lagoon sockeye escapement is on target at 92,000 adult fish through July 10. The daily adult sockeye count for July 10 was 6,733 and indications are that the July 11 count will be similar. with reports of exceptional landings in the Nelson Lagoon fishery, it is anticipated that the escapement may exceed the season goal if the fishery is not reopened early.

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EMERGENCY ORDER NO. 4-F-M-SP-28-92

EFFECTIVE DATE: 6:00 A.M. July 13, 1992

EXPLANATION: This emergency order establishes a 6:00 A.M. Monday, July 13 until 10:00 P.M. Tuesday, July 14, 1992 salmon fishing period in the following locations:

1. Otter Cove Section of the Unimak District
2. Sanak Island Section of the Unimak District

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3. Southwestern District
4. South Central District
5. Shumagin Islands Section of the Southeastern District

This emergency order also establishes a 6:00 A.M. Monday, July 13 until 10 P.M. Monday, July 13, 1992 salmon fishing period in the following location:

1. Stepovak Flats Section of the Southeastern District

JUSTIFICATION: In accordance with the order issued on Friday, July 10, 1992 by Alaska State Superior Court Judge Hopwood (Third Judicial District, Kodiak) in Stepovak-Shumagin Set Net Association v. State of Alaska Board of Fisheries, Case No. 3KO-92-239 CI, which granted plaintiff Stepovak-SSNA and injunction staying the enforcement of 5AAC 09.366 (the Post-June Salmon Management Plan of the Southern Alaska Peninsula), commercial salmon fishing will commence in South Alaska Peninsula waters.

Fishing time is needed to harvest South Peninsula chum and pink salmon stocks and to test run strength. Early indications of pink salmon run strength show that the 1992 forecasted catch of 6,000,000 pink salmon from South Peninsula waters may be near the expected catch. Early indications include: 1) the June South Peninsula pink salmon catch of 620,005 salmon, 2) although to date only a few pink salmon have been harvested in North Peninsula waters the fact that any pink salmon have been caught is noteworthy, 3) in Kodiak waters early pink salmon catches indicate a strong run (9,220,000 forecasted harvest) and the salmon are averaging 3.5 to 4.0 pounds, 5) pink salmon caught in Orzinski Bay by set gill net gear have averaged 3.7 pounds per fish during July, 6) in Zachary Bay during a fishing period on July 6 pink salmon averaged 3.4 pounds per fish from purse seine and set gill net deliveries, and 7) subsistence fishermen have reported large, 3.5 to 4.0 pound, pink salmon in their catches.

Currently, ADF&G does not anticipate immature salmon to be a concern for purse seine gear in South Peninsula waters. Subsistence fishermen report very few (about 3 immature salmon) per set in the Popof Head to Red Bluff area of Popof Island.

ADF&G is test fishing today with commercial purse seine gear in the Popof Head to Red Bluff area of Popof Island to determine the possible presence, species composition, and abundance of any immature salmon in the Shumagin Islands Section.

It is the desire of the court to return to prior years July style of management for the South Peninsula, a 40 hour commercial salmon fishing period for all gear types (drift gill net, set gill net, and purse seine gear) would be similar to fishing periods for this date in prior years. Delaying the opening until 6:00 A.M. Monday will provide reasonable time for the fishing fleet and processors to prepare for the fishery and will allow an additional day (Saturday, July 11) to test fish for possible immature salmon. Closure of the fishery after 40 hours will provide ADF&G time to evaluate the run strength of pink and chum salmon.

The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. The Southeastern District Salmon Management Plan also provides fishing opportunities to harvest the local run of chum salmon in the Stepovak Flats Section of the district. A 16 hour opening from 6:00 A.M. until 10:00 P.M. on Monday, July 13 will provide an opportunity to harvest chum salmon in the Stepovak Flats Section; 80 percent of the sockeye salmon harvested during the fishing period will be considered destined for the Chignik River system.

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EMERGENCY ORDER NO. 4-FS-M-CB-20-92

EFFECTIVE DATE: 6:00 A.M. July 13, 1992

EXPLANATION: This emergency order closes the commercial salmon fishing season in the following locations:

1. Swanson Lagoon, the Swanson Lagoon outlet channel and all waters within 500 yards of the outlet channel terminus.

2. Christianson Lagoon outlet channel and all waters within 500 yards of the outlet channel terminus.

A 6:00 A.M. July 13 until 10:00 P.M. July 14 commercial salmon fishing period is established in the Bechevin Bay Section.

JUSTIFICATION: Fishing time is needed to harvest Bechevin Bay chum salmon and to test run strength.

Escapements of sockeye and chum salmon into Christianson and Swanson Lagoons are questionable. Closure of the terminal areas will protect salmon needed for escapement while allowing fishermen to harvest salmon moving to other streams in the Urilia Bay and Swanson Lagoon Sections.

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EMERGENCY ORDER NO. 4-FS-M-PM-09-92

EFFECTIVE DATE: 6:00 A.M. July 13, 1992

EXPLANATION: This emergency order closes the commercial salmon fishing period in the Ilnik Section, from 6:00 a.m. Monday, July 13 until 12:00 midnight July 14, 1992.

JUSTIFICATION: The Ilnik River weir escapement as of July 11 is 36,765. The weir washed out on the morning of July 12, making counting the escapement accurately for the final days of the run impossible. The previous seven day daily escapement average of 1,245 sockeye would put the escapement at approximately 40,000 on Wednesday, July 15. The season minimum escapement goal for Ilnik River is 40,000. The travel time from the fishery to the weir is at least one day, allowing the minimum escapement goal to be reached on July 15, which is the estimated end of the Ilnik River run.

Since Ugashik River has a conservation concern and escapement to date is poor, approximately 7,206, the Ilnik Section will not open any earlier than July 15 unless both the Ilnik and Ugashik Rivers escapement dramatically improve. Post July 15, any further openings in the Ilnik Section will be based on whether a conservation problem still exists in Ugashik River, and based on the July 16 - August 5 escapement goal for Bear River.

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EMERGENCY ORDER NO. 4-F-M-SP-29-92

EFFECTIVE DATE: 12:01 A.M. July 16, 1992

EXPLANATION: This emergency order extends the time period of the reduced closed waters at Orzinski River to the stream terminus at the ocean shoreline until 10:00 P.M. Sunday, July 19, 1992.

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This emergency order extends the commercial salmon fishing period until 10:00 P.M. Sunday, July 19, 1992 in Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point ($55^0$41'55" N.lat., $160^0$03'12" W.long.) to Waterfall Point ($55^0$43'13" N.lat., $160^0$01'05" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay and the Stepovak Flats Section, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The escapement through the Orzinski Lake weir, as of 12:00 P.M., midnight, July 13 was 12,881 sockeye salmon. During July 6-13 Orzinski Bay has been open to continuous salmon fishing and the closed waters has been reduced to the stream terminus at the ocean shoreline. Daily escapement through the weir has averaged 330 sockeye salmon since July 6. The July 16 escapement goal of 10,000 salmon has been exceeded by 2,881 salmon. The July 23 escapement goal is 15,000 salmon. Continuous salmon fishing through July 19 is needed to harvest salmon that are excess to escapement requirements.

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EMERGENCY ORDER NO. 4-FS-M-PM-10-92

EFFECTIVE DATE: 6:00 P.M. July 16, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Bear River and Three Hills Sections from 6:00 p.m. Thursday, July 16 until 6:00 p.m. Friday, July 17, and reduces the closed waters at Bear River to the stream terminus at the ocean shoreline. That portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point is extended from 6:00 p.m. Thursday, July 16 until 6:00 p.m. Friday, July 17. The Ilnik Section will reopen to commercial salmon fishing for 24 hours effective 6:00 p.m. Thursday, July 16 and close 6:00 p.m. Friday, July 17.

JUSTIFICATION: Post-July 15, the Bear River, Three Hills and Ilnik Sections are managed on the basis of Bear River stocks. The escapement through the Bear River weir, as of July 15 is 186,558 sockeye. The July 15 maximum goal is 125,000. The daily weir count yesterday was 8,307 and averaged 7,370 fish over the past two days. The weir count as of 8:45 a.m., July 16 indicates another strong escapement for today. The July 16 - August 5 escapement goal of 40,000 - 50,000 will be exceeded at the present escapement rate if more fishing time is not allowed. The stream terminus at the ocean shoreline of the Bear River will remain open to more effectively control the escapement. The daily commercial harvest rate indicates more fish are en route, and it is appropriate to extend these areas and provide the optimum opportunity to harvest sockeye salmon surplus to the escapement needs while preventing over-escapement.

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EMERGENCY ORDER NO. 4-FS-M-CB-22-92

EFFECTIVE DATE: 12:00 P.M. Midnight, July 16, 1992

EXPLANATION: This emergency order allows continuous commercial salmon fishing time in the Nelson Lagoon Section until 12:00 P.M. Friday July 24.

JUSTIFICATION: The escapement of sockeye through the Nelson River weir is 128,000 (not including jacks), which is at the midpoint of the goal range. More fishing time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-PM-11-92

EFFECTIVE DATE: 6:00 P.M. July 17, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Bear River and Three Hills Sections from 6:00 p.m. Friday, July 17 until 6:00 a.m. Monday, July 20, and reduces the closed waters at Bear River to the stream terminus at the ocean shoreline. That portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point is extended from 6:00 p.m. Friday, July 17 until 6:00 a.m. Monday, July 20. The Ilnik Section is extended from 6:00 p.m. Friday, July 17 until 6:00 a.m. Monday, July 20.

JUSTIFICATION: Post-July 15, the Bear River, Three Hills and Ilnik Sections are managed on the basis of Bear River stocks. The escapement through the Bear River weir, as of July 16 is 198,175 sockeye. The daily weir count on July 16 was 11,617 and averaged 8,785 fish over the past three days. The July 16 - August 5 escapement goal of 40,000 - 50,000 will be exceeded at the present escapement rate if more fishing time is not allowed. The stream terminus at the ocean shoreline of the Bear River will remain open to more effectively control the escapement. The daily commercial harvest rate indicates more fish are en route, and it is appropriate to extend these areas and provide the optimum opportunity to harvest sockeye salmon surplus to the escapement needs while preventing over-escapement.

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EMERGENCY ORDER NO. 4-FS-M-CB-24-92

EFFECTIVE DATE: 6:00 A.M. July 18, 1992

EXPLANATION: This emergency order closes the Shumagin Island Section and that portion of the Sanak Island Section located over four nautical miles from the southernmost tip of Chicago Point to commercial salmon fishing with seines during the July 18 - 19 fishing period.

JUSTIFICATION: Large numbers of immature salmon have appeared in the Shumagin Islands. These fish gill in seines and are a waste of the resource. Test catches on July 17 contained over 1,000 immature salmon per set. In the past, large numbers of immature salmon have been taken by several seiners in the Sanak Island Section. Closure of the Shumagins may cause a large movement of seiners to capes along Sanak Island. This could result in a huge resource loss on an area too remote to monitor. Allowing seiners to fish within four nautical miles of Chicago Point will give them the opportunity to harvest local sockeye and pinks in an area where immature salmon are likely absent.

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EMERGENCY ORDER NO. 4-FS-M-CB-23-92

EFFECTIVE DATE: 10:00 A.M. July 18, 1992

EXPLANATION: This emergency order establishes a 10:00 A.M. July 18 until 10:00 P.M. July 19 commercial salmon fishing period in the following locations:

1. Stepovak Flats Section
2. Shumagin Islands Section
3. South Central District
4. Southwestern District
5. Sanak Island Section
6. Otter Cove Section

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JUSTIFICATION: The July 13 - 14 South Peninsula harvest of 92,000 chums indicated a strong run of local chum salmon is in progress. The catch of 51,000 pink salmon was good for this date. A fishing period during July 18 - 19 is needed to harvest chum salmon and to further test pink salmon run strength.

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EMERGENCY ORDER NO. 4-F-M-SP-30-92

EFFECTIVE DATE: 10:00 P.M. July 19, 1992

EXPLANATION: This emergency order extends the time period of the reduced closed waters at Orzinski River to the stream terminus at the ocean shoreline until 12:00 A.M. noon, Thursday, July 23, 1992.

This emergency order extends the commercial salmon fishing period until 12:00 A.M. noon, Thursday, July 23, 1992 in Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point ($55^0$41'55" N.lat., $160^0$03'12" W.long.) to Waterfall Point ($55^0$43'13" N.lat., $160^0$01'05" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay and the Stepovak Flats Section, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The escapement through the Orzinski Lake weir, as of 12:00 P.M., midnight, July 17 was 14,631 sockeye salmon. During July 6-18 Orzinski Bay has been open to continuous salmon fishing and the closed waters has been reduced to the stream terminus at the ocean shoreline. Daily escapement through the weir has averaged 397 sockeye salmon over the past week (July 11-17). It is anticipated that the July 23 escapement goal of 15,000 salmon will be exceeded. Continuous salmon fishing through July 23 is needed to harvest salmon that are excess to escapement requirements.

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EMERGENCY ORDER NO. 4-FS-M-CB-25-92

EFFECTIVE DATE: 6:00 A.M. July 20, 1992

EXPLANATION: This emergency order establishes a 6:00 A.M. July 20 until 10:00 P.M. July 21 commercial salmon fishing period in the Bechevin Bay Section.

JUSTIFICATION: Chum salmon are entering Mike's Creek in St. Catherine Cove in good numbers. The estimated 7,500 escapement is well above average for this date. A fishing period during July 20 - 21 is needed for the fleet to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-PM-12-92

EFFECTIVE DATE: 6:00 A.M. July 20, 1992

EXPLANATION: This emergency order reduces the closed waters at Bear River to the stream terminus at the ocean shoreline from 6:00 a.m. Monday, July 20 until 6:00 p.m. Thursday, July 23.

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JUSTIFICATION: The overall season escapement goal for Bear River is 200,000 -250,000 sockeye by August 31. The present escapement is 213,530 sockeye. The July 16 - August 5 escapement goal for Bear River weir is 40,000 - 50,000 sockeye salmon. As of July 18, the escapement through the weir for the July 16 - August 5 goal is 26,972 sockeye and averaging 8,991 sockeye/day. The July 16 - August 5 escapement goal of 40,000 - 50,000 will be exceeded at the present escapement rate. Opening the stream terminus to the ocean shoreline of the Bear River will more effectively control the escapement. The daily commercial harvest rate indicates more fish are en route, and it is appropriate to open the Bear River to the stream terminus to the ocean shoreline to provide the optimum opportunity to harvest sockeye salmon surplus to the escapement needs while preventing over-escapement.

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EMERGENCY ORDER NO. 4-FS-M-PM-13-92

EFFECTIVE DATE: 6:00 P.M. July 22, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Bear River and Three Hills Sections from 6:00 p.m. Thursday, July 23 until 6:00 p.m. Thursday, August 6, and reduces the closed waters at Bear River to the stream terminus at the ocean shoreline. That portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point is extended from 6:00 p.m. Thursday, July 23 until 6:00 p.m. Thursday, August 6. The Ilnik Section is extended from 6:00 p.m. Wednesday, July 22 until 6:00 p.m. Thursday, August 6.

JUSTIFICATION: Post-July 15, the Bear River, Three Hills and Ilnik Sections are managed on the basis of Bear River stocks. The escapement through the Bear River weir, as of July 21 is 226,342 sockeye. The July 16 - August 5 escapement goal is 40,000 - 50,000 sockeye salmon. The minimum escapement goal for July 16 - August 5 has been exceeded (42,084) as of 8:45 a.m. July 22. Weir counts have averaged 6,631 sockeye/day since the new goal started on July 16. The upper goal may be substantially exceeded if more fishing time is not allowed. The stream terminus at the ocean shoreline of the Bear River will remain open (since July 4) to more effectively control the escapement. The daily commercial harvest rate indicates more fish are en route, and it is appropriate to extend these areas and provide the optimum opportunity to harvest sockeye salmon surplus to the escapement needs while preventing over-escapement.

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EMERGENCY ORDER NO. 4-FS-M-CB-26-92

EFFECTIVE DATE: 10:00 A.M. July 23, 1992

EXPLANATION: This emergency order establishes a 10:00 A.M. July 23 until 10:00 P.M. July 25 commercial salmon fishing period in the following location:

1. Stepovak Flats Section
2. Shumagin Islands Section
3. South Central District
4. Southwestern District
5. Sanak Island Section
6. Otter Cove Section
7. Aleutian Islands Area

Due to the presence of immature salmon which gill in seines, seining will not be allowed in the Shumagin Islands Section, that part of the Southwestern District

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located within one nautical mile of Poperechnoi Island, and that portion of the Sanak Island section located outside of a 4 nautical mile radius of Chicago Point.

JUSTIFICATION: Pink salmon are entering South Peninsula and Aleutian Islands waters at this time. A large pink salmon run is anticipated and early indications are that the run will be strong. The local chum salmon runs appear to be at least moderately strong. Fishing time is needed to harvest the resource.

Large numbers of immature salmon are present in the Shumagin Islands. These fish gill in seines and are a major wasted resource if seine gear is allowed to operate when immature salmon are present in large numbers. Substantial numbers of immature salmon were also reported from Poperechnoi Island during the July 18 - 19 fishing period. In the past, large numbers of immature salmon have been taken by seiners in the Sanak Island Section. The closure of the Shumagins to seining could cause a large movement of seiners to capes along Sanak Island which could cause a large resource loss in an area too remote to monitor. Allowing seiners to fish within four nautical miles of Chicago Point will give them the opportunity to harvest pinks in an area where immature salmon are likely absent.

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EMERGENCY ORDER NO. 4-F-M-SP-31-92

EFFECTIVE DATE: 12:00 A.M. Noon, July 23, 1992

EXPLANATION: This emergency order extends the time period of the reduced closed waters at Orzinski River to the stream terminus at the ocean shoreline until 10:00 P.M. Saturday, July 25, 1992.

This emergency order extends the commercial salmon fishing period until 10:00 P.M. Saturday, July 25, 1992 in Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point ($55^0$41'55" N.lat., $160^0$03'12" W.long.) to Waterfall Point ($55^0$43'13" N.lat., $160^0$01'05" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay and the Stepovak Flats Section, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The escapement through the Orzinski Lake weir, as of 12:00 P.M., midnight, July 20 was 16,497 sockeye salmon. During July 6-20 Orzinski Bay has been open to continuous salmon fishing and the closed waters has been reduced to the stream terminus at the ocean shoreline. Daily escapement through the weir has averaged 501 sockeye salmon over the past week (July 14-20). The July 23 escapement goal of 15,000 salmon has been exceeded by 1,497 salmon. Continuous salmon fishing through July 25 is needed to harvest salmon that are excess to escapement requirements.

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EMERGENCY ORDER NO. 4-F-M-SP-32-92

EFFECTIVE DATE: 10:00 P.M. July 25, 1992

EXPLANATION: This emergency order extends the time period of the reduced closed waters at Orzinski River to the stream terminus at the ocean shoreline until 9:00 P.M. Wednesday, July 29, 1992.

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This emergency order extends the commercial salmon fishing period until 9:00 P.M. Wednesday, July 29, 1992 in Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point (55°41'55" N.lat., 160°03'12" W.long.) to Waterfall Point (55°43'13" N.lat., 160°01'05" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay and the Stepovak Flats Section, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360, after July 25 the entire district is managed on local stocks.

The escapement through the Orzinski Lake weir, as of 12:00 P.M., midnight, July 24 was 18,869 sockeye salmon. During July 6-25 Orzinski Bay has been open to continuous salmon fishing and the closed waters has been reduced to the stream terminus at the ocean shoreline. Daily escapement through the weir has averaged 605 sockeye salmon over the past week (July 18-24). The July 23 escapement goal of 15,000 salmon has been exceeded by 3,869 salmon. It is anticipated that the August 7 escapement goal of 20,000 sockeye salmon should be achieved with continuous fishing effort through July 29. Continuous salmon fishing through July 29 is needed to harvest salmon that are excess to escapement requirements.

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EMERGENCY ORDER NO. 4-FS-M-CB-27-92

EFFECTIVE DATE: 10:00 A.M. July 27, 1992

EXPLANATION: This emergency order establishes a 10:00 A.M. July 27 until 9:00 P.M. July 29 commercial salmon fishing period in the following locations:

1.	Southeastern District	4.	Sanak Island Section
2.	South Central District	5.	Otter Cove Section
3.	Southwestern District	6.	Bechevin Bay Section

Due to the presence of immature salmon which gill in seines, seining will not be allowed in the Shumagin Islands Section, that portion of the Southwestern District located within one nautical mile of Poperechnoi Island, and that portion of the Sanak Island section located outside of a 4 nautical mile radius of Chicago Point.

JUSTIFICATION: Pink salmon escapements in early systems are good for this date and catches indicate the South Peninsula pink salmon run is strong. The chum salmon escapement into St. Catherine Cove is good and Bechevin Bay pink salmon runs should be getting underway. The Southeastern District Mainland is now being managed on the basis of local stocks. Fishing time is needed to harvest the resource.

Large numbers of immature salmon are present in the Shumagin Islands. These fish gill in seines and are a major wasted resource if seine gear is allowed to operate when immature salmon are present in large numbers. Substantial numbers of immature salmon were also reported from Poperechnoi Island during the July 18 - 19 fishing period. In the past, large numbers of immature salmon have been taken by seiners in the Sanak Island Section. The closure of the Shumagins to seining could cause a large movement of seiners to capes along Sanak Island which could cause a large resource loss in an area too remote to monitor. Allowing seiners to fish within four nautical miles of Chicago Point will give them the opportunity to harvest pinks in an area where immature salmon are likely absent.

-Continued-

EMERGENCY ORDER NO. 4-FS-M-CB-28-92

EFFECTIVE DATE: 12:00 Noon, July 27, 1992

EXPLANATION: This emergency order establishes a 12:00 Noon July 27 until 9:00 P.M. July 31 commercial salmon fishing period in the Aleutian Islands Area.

JUSTIFICATION: To date no salmon fishing has taken place in the Aleutian Islands Area. There are only one or two salmon fishing boats located at Unalaska. Fishing time is needed so that run strength can be tested in an area of substantial size.

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EMERGENCY ORDER NO. 4-FS-M-CB-29-92

EFFECTIVE DATE: 12:01 A.M. July 28, 1992

EXPLANATION: This emergency order reopens seining for salmon in those portions of the South Peninsula closed to seining due to the presence of immature salmon.

JUSTIFICATION: Test fish results during July 27 indicate that the number of immature salmon caught per set is at an acceptable level (less than 100). The trend during the last three days has been fewer immature salmon each day. The number of immature salmon should be even lower on July 28 when seining is reopened in those South Peninsula locations presently closed to seining.

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EMERGENCY ORDER NO. 4-F-M-SP-33-92

EFFECTIVE DATE: 2:30 P.M. July 28, 1992

EXPLANATION: This emergency order closes the Shumagin Islands Section to seining effective 2:30 P.M. Tuesday, July 28 until the end of the present fishing period, which ends 9:00 P.M. Wednesday, July 29, 1992.

JUSTIFICATION: Observations by the Alaska Department of Fish and Game during the late morning and early afternoon of July 28 indicated that purse seine gear were gilling between 111 and 277 immature salmon per set in the Shumagin Islands Section. This is a waste of a valuable resource. To prevent further waste, the Shumagin Islands Section seine fishery should be closed at this time.

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EMERGENCY ORDER NO. 4-FS-M-CB-30-92

EFFECTIVE DATE: 12:01 A.M. July 29, 1992

EXPLANATION: This emergency order allows commercial salmon fishing up to the stream terminus at the ocean shoreline of the following streams during open fishing periods during July 29 through August 31.

1. Eastern Creek on Deer Island
2. Southern Creek on Deer Island
3. Settlement Point Creek at Pavlof Bay
4. Middle Creek (also known as Priest Creek) at Pavlof Bay

-Continued-

JUSTIFICATION: The peak escapement goal range of pink salmon has been reached in Eastern, Southern, Settlement Point, and Middle Creeks. The escapements are unusually high for this date. More fishing time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-31-92

EFFECTIVE DATE: 3:00 P.M. July 29, 1992

EXPLANATION: This emergency order supersedes emergency order No. 4-FS-M-SP-33-92. Seining is again allowed in the Shumagin Islands Section effective 3:00 P.M. July 29.

The commercial salmon fishing period in the Southeastern District, South Central District, Southwestern District, Sanak Island Section and Otter Cove Section is extended 48 hours until 9:00 P.M. July 31.

JUSTIFICATION: Test fishing results indicate that the number of immature salmon caught per set is 64. Catches under 100 per set is considered acceptable, therefore fishing with seine gear can again be allowed in the Shumagin Islands.

Pink salmon escapements are generally very good for this date throughout the South Peninsula. More fishing time can be allowed at this time without jeopardizing the resource.

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EMERGENCY ORDER NO. 4-F-M-SP-34-92

EFFECTIVE DATE: 9:00 P.M. July 29, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period until 10:00 A.M. Saturday, August 1, 1992 in Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point ($55^0$41'55" N.lat., $160^0$03'12" W.long.) to Waterfall Point ($55^0$43'13" N.lat., $160^0$01'05" W.long.).

JUSTIFICATION: After July 25 the entire Southeastern District Mainland fishery as described under 5 AAC 09.360, is managed on local stocks.

The escapement through the Orzinski Lake weir, as of 12:00 P.M., midnight, July 27 was 19,737 sockeye salmon. During July 6-28 Orzinski Bay has been open to continuous salmon fishing and the closed waters has been reduced to the stream terminus at the ocean shoreline. Daily escapement through the weir has averaged 463 sockeye salmon over the past week (July 21-27). It is anticipated that the August 7 escapement goal of 20,000 sockeye salmon should be achieved with continuous fishing effort through August 1. Continuous salmon fishing through August 1 is needed to harvest salmon that are excess to escapement requirements.

Closed waters at Orzinski River will be expanded from the current stream terminus at the ocean shoreline to the normal 1,000 yard closure from the stream mouth effective 9:00 P.M. Wednesday, July 29.

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EMERGENCY ORDER NO. 4-FS-M-CB-32-92

EFFECTIVE DATE: 12:00 P.M. Midnight, July 30, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time in the Nelson Lagoon Section 24 hours until 12:00 P.M. Friday during the week of July 26 - August 1.

JUSTIFICATION: Sockeye catches in Nelson Lagoon are averaging 4,000 fish per day which indicates a strong late run. During previous years when catches were at this level, escapements were good in the late systems when at least 5 days per week fishing time was allowed. One more day of fishing can be allowed without jeopardizing the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-33-92

EFFECTIVE DATE: 12:00 P.M. Midnight, July 31, 1992

EXPLANATION: This emergency order extends the present commercial salmon fishing period 48 hours until 9:00 P.M. August 2 in that portion of the South Peninsula located east of the longitude of Rock Island.

Effective August 1, the closed waters are reduced to the terminus at the ocean shoreline of all streams on Deer Island. The closed waters at Thin Point Cove are reduced to include only those waters within 1,000 yards of the Thin Point Lagoon terminus and 500 yards of the other salmon stream entering Thin Point Cove.

JUSTIFICATION: Escapements of pink salmon are generally good for this date along the South Peninsula. Purse seiners in the Shumagin Islands are averaging about 4,000 pink salmon per day which indicates a strong run. More fishing time is needed to harvest the resource.

The peak escapement goal range of pink salmon has been reached in all Deer Island salmon streams.

The Thin Point Lagoon sockeye escapement is estimated at 18,000 which is in the goal range. More fishing time is needed to harvest the resource. A 1,000 yard closure outside the lagoon entrance is needed to prevent the fish in the lagoon from backing out into the fishery at low tide.

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EMERGENCY ORDER NO. 4-FS-M-CB-34-92

EFFECTIVE DATE: 9:00 P.M. August 2, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time until 9:00 P.M. Thursday August 6 in the South Central District, Deer Island Section, and Thin Point Section.

The closed waters are reduced to include only those waters upstream from the terminus at the ocean shoreline of all streams in the Mino Creek - Little Coal Bay Section located between Seal Cape and Cape Tolstoi.

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JUSTIFICATION: Pink and chum salmon escapement requirements have been made in Deer Island and most early South Central District systems. The sockeye escapement requirements have been met in the Thin Point Section and pink salmon escapements are good for this date.

Pink salmon escapement requirements have been met in Coal Bay streams. More fishing area and time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-35-92

EFFECTIVE DATE: 10:00 A.M. August 3, 1992

EXPLANATION: This emergency order establishes a 10:00 A.M. August 3 until 9:00 P.M. August 7 commercial salmon fishing period in the Aleutian Islands Area.

JUSTIFICATION: Effort in the Aleutian Islands Area consists of only one or two boats and markets are very limited. The previous week's catch indicates there is a substantial pink salmon run. More fishing time can be allowed with such light effort and processing capacity without jeopardizing the resource.

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EMERGENCY ORDER NO. 4-F-M-SP-35-92

EFFECTIVE DATE: 10:00 A.M. August 4, 1992

EXPLANATION: This emergency order opens the Northwest side of Unga Island in the Shumagin Islands Section between Unga Spit ($55^0$24'40" N.lat., $160^0$43'39" W.long.) and Pinnacle Point ($55^0$16'30" N.lat., $160^0$51'30" W.long.) to commercial salmon fishing from 10:00 A.M. Tuesday, August 4 until 9:00 P.M. Thursday, August 6, 1992.

Commercial salmon fishing will be allowed up to the lagoon terminus at the ocean shoreline of Bay Point and Dry lagoon effective 10:00 A.M., Tuesday, August 4, 1992.

The balance of the Southeastern District will open to commercial salmon fishing at 10:00 A.M. Wednesday, August 5 until 9:00 P.M. Thursday August 6. In addition the following locations will also open to commercial salmon fishing from 10:00 A.M. Wednesday August 5 until 9:00 P.M. Thursday August 6:

1. Southwestern District
2. Unimak District
3. Bechevin Bay Section

JUSTIFICATION: Pink salmon escapements are generally very good for this date throughout the South Peninsula. More fishing time can be allowed at this time without jeopardizing the resource.

Closed waters at Bay Point and Dry Lagoon will be reduced to the lagoon terminus at the ocean shoreline to harvest pink salmon in excess of these streams annual escapement goals.

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EMERGENCY ORDER NO. 4-FS-M-PM-14-92

EFFECTIVE DATE: 10:00 A.M. August 5, 1992

EXPLANATION: This emergency order reopens the commercial salmon fishing period in that portion of Herendeen Bay from 10:00 a.m. Wednesday, August 5 until 12:00 p.m. September 30 or until further notice. The closed waters of Herendeen Bay include: 1) all waters southeast of a line from 55° 43′ 33" N. lat., 160° 42′ 24" W. long. to a point 1/2 nautical mile northwest of Lawrence Valley Creek at 55° 44′ 52" N. lat., 160° 40′ 01" W. long., 2) all waters of the Deer Valley (west arm) arm of Herendeen Bay south of 55° 45′ 15" N. lat., 3) all waters within one nautical mile of Coal Creek, and 4) all waters within 500 yards of the stream terminus at the ocean shoreline of the stream flowing into Mine Harbor.

JUSTIFICATION: The first significant run of pink salmon into Herendeen Bay occurred in 1990 when over 500,000 were harvested and the escapement into Lawrence Valley Creek was over 100,000. Lawrence Valley Creek pink salmon escapement as of August 1 was 70,000. The catches in North Peninsula waters indicate more pink salmon are en route. The closed waters around the major chum salmon producing systems will provide adequate protection for the remaining run of chum salmon while allowing a fishery for pink salmon. Continuous fishing time is necessary to harvest the anticipated large run of pink salmon into Lawrence Valley Creek.

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EMERGENCY ORDER NO. 4-FS-M-CB-36-92

EFFECTIVE DATE: 6:00 P.M. August 6, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 6:00 P.M. Friday in the Izembek - Moffet Bay Section during the week of August 2 - 8.

JUSTIFICATION: The Izembek - Moffet Bay fishing effort consists of only 4 seiners who were not able to fish on Wednesday and likely will not fish Thursday due to high winds. Chum catches during Monday and Tuesday totaled 12,500- fish which indicates a strong late run. A 24 hour extension will enable fishermen to harvest at least some of the fish they would have taken during periods of high winds.

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EMERGENCY ORDER NO. 4-FS-M-CB-37-92

EFFECTIVE DATE: 9:00 P.M. August 6, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 9:00 P.M. August 8 in the Bechevin Bay Section and all four South Peninsula Districts.

JUSTIFICATION: The South Peninsula pink salmon runs are strong and escapements are generally very good for this date. High winds have prevented fishing in much of the area during August 5 and the condition remains the same during August 6. More fishing time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-38-92

EFFECTIVE DATE: 9:00 P.M. August 7, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 96 hours until 9:00 P.M. August 11 in the Aleutian Islands Area.

JUSTIFICATION: Since the present fishing period opened on August 3, there has been no commercial salmon fishing in the Aleutian Islands Area due to a lack of markets. An extension of the fishing period will provide the opportunity to harvest pink salmon in the Aleutians and test run strength when and if a market is available.

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EMERGENCY ORDER NO. 4-FS-M-CB-39-92

EFFECTIVE DATE: 12:01 A.M. August 8, 1992

EXPLANATION: This emergency order reduces the waters closed to commercial salmon fishing to include only those waters upstream from the terminus at the ocean shoreline of all streams emptying into Dolgoi Harbor.

JUSTIFICATION: The estimated pink salmon escapement into Dolgoi Harbor Creek is 4,500 which is in the peak escapement goal range. Approximately 10,000 pink salmon are at the stream mouth. More fishing time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-40-92

EFFECTIVE DATE: 9:00 P.M. August 8, 1992

EXPLANATION: This emergency order extends commercial fishing time 72 hours until 9:00 P.M. August 11, in the following locations:

1. The northwest side of Unga Island between Pinnacle Point and Unga Spit
2. Pavlof Bay Section
3. Thin Point Section
4. Deer Island Section
5. All waters of Dolgoi Harbor

The Bechevin Bay Section, Unimak District, and those portions of the Southwestern and South Central Districts not included above, are reopened to commercial salmon fishing during 10:00 A.M. August 10 until 9:00 P.M. Tuesday August 11.

JUSTIFICATION: Catches of pink and chum salmon in most of the western South Peninsula indicates strong runs but that most fish are in deep water where they are being harvested. A brief closure will allow some more fish to get to the beach and into closed waters. the pink salmon catch per unit effort on the capes or in the Shumagin Islands was poor and no more fishing should be allowed until escapements can be assessed, with exception of the area between Unga Spit and Pinnacle Point where escapement goals have been surpassed. Escapement goals of pink salmon have been reached in Pavlof Bay and Deer Island Section streams as well as in Dolgoi Harbor. The sockeye escapement goal range has been reached at Thin Point Cove and pink salmon escapements are good for this date in the balance of the streams.

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EMERGENCY ORDER NO. 4-FS-M-CB-41-92

EFFECTIVE DATE: 12:01 A.M. August 10, 1992

EXPLANATION: This emergency order reduces the closed waters in Little Bear Bay to include only those waters of the inner bay and the waters of Kitchen Anchorage to include only those waters within 500 yards of the creek.

JUSTIFICATION: There are 5,000 pinks off the mouth of Kitchen Anchorage Creek plus 15 - 20,000 along the beaches, plus numerous jumpers in deep water. This is far more salmon than the creek can handle. With such abundance, there is no need for such a large closure as presently in effect. Numerous jumpers have been seen in the inner portion of Bear Bay and there is very limited spawning capacity of the stream. There is no need for outer Bear Bay to be closed when pink runs are strong and the inner bay provides a large sanctuary.

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EMERGENCY ORDER NO. 4-FS-M-PM-15-92

EFFECTIVE DATE: 6:00 A.M. August 10, 1992

EXPLANATION: This emergency order reduces the closed waters at Bear River to the stream terminus at the ocean shoreline from 6:00 a.m. Monday, August 10 until 6:00 p.m. Thursday, August 13.

JUSTIFICATION: The overall season escapement goal for Bear River is 200,000 -250,000 sockeye by August 31. The present escapement as of 7:45 p.m. August 9 is 282,016 sockeye. The post-August 5 escapement goal for Bear River is 50,000 - 75,000 sockeye salmon. As of 7:45 p.m. August 9, the escapement through the weir for the post-August 5 period is 22,134 sockeye and averaging over 7,200 sockeye/day for the previous three days. The post August 5 escapement goal of 50,000 - 75,000 will be exceeded at the present escapement rate. Opening the stream terminus to the ocean shoreline of the Bear River will more effectively control the escapement. It is appropriate to open the Bear River to the stream terminus to the ocean shoreline to provide the optimum opportunity to harvest sockeye salmon surplus to the escapement needs while preventing over-escapement.

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EMERGENCY ORDER NO. 4-F-M-SP-36-92

EFFECTIVE DATE: 10:00 A.M. August 11, 1992

EXPLANATION: This emergency order opens the following locations to commercial salmon fishing from 10:00 A.M. Tuesday, August 11 until 9:00 P.M. Wednesday August 12, 1992:

1. Balboa Bay Section
2. East Stepovak Section
3. Shumagin Islands Section

JUSTIFICATION: Pink salmon escapements are generally good for this date throughout the Southeastern District. Aerial surveys today indicated that more fishing time can be allowed in the Balboa Bay, East Stepovak, and Shumagin Islands without jeopardizing the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-42-92

EFFECTIVE DATE: 9:00 P.M. August 11, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. August 12, in the following locations:

1. Canoe Bay Section
2. That portion of the Pavlof Bay Section located north of the latitude of Black Point
3. All waters of Dolgoi Harbor
4. Belkofski Bay Section
5. Deer Island Section

Commercial salmon fishing is extended 48 hours until 9:00 P.M. August 13 in the following locations:

1. Makushin Bay Section
2. Kashega Bay Section

JUSTIFICATION: Pink and chum salmon escapements are generally good for this date in the upper Pavlof Bay - Canoe Bay Area, Dolgoi Harbor, Belkofski Bay, and Deer Island. More fishing time is needed to harvest the resource.

Pink salmon escapements are good for this date in Kashega Bay streams and large numbers of pinks are in closed waters of Makushin Bay. Only three boats are fishing Makushin Bay and are catching large numbers of pinks. No boats are presently fishing in the Kashega Bay Section. More fishing time can be allowed at this time without jeopardizing the resource.

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EMERGENCY ORDER NO. 4-FS-M-PM-16-92

EFFECTIVE DATE: 6:00 P.M. August 12, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Bear River and Three Hills Sections from 6:00 p.m. Thursday, August 13 until 6:00 a.m. Monday, August 17, and reduces the closed waters at Bear River to the stream terminus at the ocean shoreline. That portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point is extended from 6:00 p.m. Thursday, August 13 until 6:00 a.m. Monday, August 17. The Ilnik Section is extended from 6:00 p.m. Wednesday, August 12 until 6:00 a.m. Monday, August 17.

JUSTIFICATION: The post-August 5 escapement goal of 50,000-75,000 sockeye for Bear River has been met as of 7:45 p.m. August 11. The escapement for the post - August 5 period is presently 52,000 bringing the total season escapement to 312,000 sockeye. The season goal for Bear River is 200,000 - 250,000 sockeye. The upper goal for the post-August 5 period may be substantially exceeded if more fishing time is not allowed. The stream terminus at the ocean shoreline of the Bear River will remain open to more effectively control the escapement. The daily commercial harvest rate indicates more fish are en route, and it is appropriate to extend these areas and provide the optimum opportunity to harvest sockeye salmon surplus to the escapement needs while preventing over-escapement.

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EMERGENCY ORDER NO. 4-FS-M-CB-43-92

EFFECTIVE DATE: 9:00 P.M. August 12, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. August 13, in the following locations:

1. Deer Island Section
2. That portion of the Pavlof Bay Section north of the latitude of Black Point
3. Canoe Bay Section
4. Balboa Bay Section
5. Shumagin Islands Section
6. East Stepovak Section

JUSTIFICATION: The pink and chum salmon runs are strong in the Shumagin Islands, Balboa Bay, East Stepovak, Canoe Bay, upper Pavlof Bay, ad at Deer Island. Weather is preventing fishing in some of the above locations. More fishing time can be allowed at this time in the above locations without jeopardizing escapements. Other locations are not being extended at this time due to a need to survey the areas or in some cases, where runs are not strong but effort is intense, a closure is needed to enable more fish to get into closed waters.

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EMERGENCY ORDER NO. 4-FS-M-CB-44-92

EFFECTIVE DATE: 9:00 P.M. August 13, 1992

EXPLANATION: This emergency order expands the waters closed to commercial salmon fishing at Makushin Bay to include all of Humpback Bay (a bay within Makushin Bay). Commercial salmon fishing time in the Makushin Bay and Kashega Bay Sections is extended 48 hours until 9:00 P.M. August 15.

JUSTIFICATION: The commercial salmon fishing effort in the Makushin and Kashega Bay Sections is light, consisting of only three boats. Catches are very strong averaging 30,000 fish per boat which indicates strong runs. The escapement into the major stream in Humpback Bay is only 30,000 compared to a target of approximately 100,000 for this date. More fishing time can be allowed to harvest the resource if Humpback Bay is closed and the balance of the Makushin and Kashega Bay Sections remain open.

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EMERGENCY ORDER NO. 4-FS-M-CB-45-92

EFFECTIVE DATE: 9:00 P.M. August 13, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. August 14 in the Shumagin Islands and Deer Island Sections. A 10:00 A.M. until 9:00 P.M. fishing period is established during August 14 in the Bechevin Bay Section, South Central District and all of the Southwestern District except the Morzhovoi Bay Section and Thin Point Cove.

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JUSTIFICATION: South Peninsula pink salmon runs are strong in general. Catches in the Shumagin Islands indicate that a substantial number of fish are still coming in. Escapement requirements have been met at Deer Island and catches continue to be strong. Escapements and catches have been generally good over much of the area. An extension in the Shumagins and at Deer Island will be a good indicator of the number of pinks coming into the area and is needed to harvest Deer Island pinks. A short opening for other locations is needed to harvest fish before they become unmarketable. Further extensions will be made if August 13 surveys indicate they are warranted.

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EMERGENCY ORDER NO. 4-FS-M-CB-46-92

EFFECTIVE DATE: 9:00 P.M. August 14, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 9:00 P.M. August 16 in the Shumagin Islands Section, Bechevin Bay Section, South Central District, and all of the Southwestern District except the Morzhovoi Bay Section and Thin Point Cove.

Effective 9:00 P.M. August 14, the closed waters are expanded as follows in the following Shumagin Islands locations to include:

1. all waters of Squaw Harbor (Baralof Bay) west of the longitude of the east end of the Peter Pan Seafoods dock.

2. all waters of Delarof Harbor west of 160°30′ W. long.

3. all waters of the Fox Hole (Little Harbor) west of 160°19′45" W. long.

4. all waters within 1,000 yards of the terminus of the stream on Unga Island locally known as the Farm or Ben Green Bight.

JUSTIFICATION: Pink salmon escapements are generally good in the Southwestern and South Central Districts and at the Shumagin Islands Section. The escapement of chum salmon at Traders Cove in Bechevin Bay is good for this date. More fishing time is needed to harvest the resource.

Expanded closures are needed in four Shumagin Island streams to insure that escapements will be met while allowing fishermen to harvest fresh fish coming into the area.

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EMERGENCY ORDER NO. 4-FS-M-CB-47-92

EFFECTIVE DATE: 9:00 P.M. August 15, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. August 16 in the Makushin Bay and Kashega Bay Sections.

JUSTIFICATION: Commercial salmon fishing effort consists of only two boats and catches of pink salmon indicate large numbers of fish are still moving into the area. More fishing time can be granted to harvest the resource at this time with such light effort.

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EMERGENCY ORDER NO. 4-FS-M-CB-48-92

EFFECTIVE DATE: 9:00 P.M. August 16, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. August 17 in the Shumagin Islands Section. Commercial salmon fishing time is extended 48 hours until 9:00 P.M. August 18 in the Bechevin Bay Section, South Central District, and all of the Southwestern District except the Morzhovoi Bay Section and Thin Point Cove.

Effective 9:00 P.M. August 19 Lenard Harbor is closed waters to commercial salmon fishing.

JUSTIFICATION: Pink salmon escapements are generally good in the Shumagin Islands, the South Central District and much of the Southwestern District. Late chum salmon escapements are good for this date in the Bechevin Bay Section. Pink salmon runs are unusually strong in most of the Southwestern and South Central Districts. Thin Point Cove should remain closed at this time to ensure that a good sockeye escapement is obtained and enough fish are available for subsistence purposes.

There is no buildup of chum salmon on the flats at the head of Lenard Harbor and the escapement into the main stream is weak, consisting of less than 3,000 chums and 2,000 pinks. Lenard Harbor should be closed to commercial salmon fishing until the escapement improves substantially.

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EMERGENCY ORDER NO. 4-F-M-SP-37-92

EFFECTIVE DATE: 9:00 P.M. August 17, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. Tuesday, August 18, 1992 in the Shumagin Islands Section.

JUSTIFICATION: Pink salmon escapements are generally good for this date in the Shumagin Islands Section. Aerial surveys on Saturday, August 15 indicated that more fishing time can be allowed in the Shumagin Islands Section to harvest pink salmon in excess to escapement requirements. Windy weather on August 16 prevented much of the fleet from fishing effectively.

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EMERGENCY ORDER NO. 4-FS-M-CB-49-92

EFFECTIVE DATE: 9:00 P.M. August 18, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. August 19 in the Shumagin Islands Section. Commercial salmon fishing time is extended 48 hours until 9:00 P.M. August 20 in the Mino Creek - Little Coal Bay Section, that portion of the Pavlof Bay Section located east of 163°32' W. long., Dolgoi Harbor, Belkofski Bay Section, Deer Island Section, Ikatan Bay Section, and Thin Point Section. Thin Point Cove is reopened from 9:00 P.M. August 18 until 9:00 P.M. August 20.

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The closed waters are reduced to include only those waters upstream from the terminus at the ocean shoreline of all streams located along the north shore of Ikatan Bay between Kenmore Head and the Palisade Cliffs.

JUSTIFICATION: Pink salmon escapements are generally good in those locations where fishing time is extended. Fresh pink salmon are still moving into the area and fishing effort has dropped substantially due to the upcoming halibut fishery west of Cape Lutke. A large number of sockeye have moved into Thin Point Lagoon during the past week and more fishing time can be allowed to harvest incoming fish.

Pink salmon escapement goals have been reached in all streams between Kenmore Head and Palisade Cliffs. More fishing area is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-50-92

EFFECTIVE DATE: 6:00 P.M. August 19, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 6:00 P.M. Thursday during the week of August 16 - 22 in the Inner Port Heiden Section.

JUSTIFICATION: Inner Port Heiden coho catches averaged 144 fish per delivery during August 18 which is good for this date. Winds as high as 80 m.p.h. are preventing any fishing today. An additional 24 hours of fishing time will enable fishermen to make up for time lost to weather during a strong coho run with a normal amount of gear for this date.

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EMERGENCY ORDER NO. 4-FS-M-PM-18-92

EFFECTIVE DATE: 6:00 P.M. August 19, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Ilnik Section, from 6:00 p.m. Wednesday, August 19 until 6:00 p.m. Thursday, August 20, 1992.

JUSTIFICATION: Weather conditions in the Ilnik Section have hindered a significant portion of the effort in the section. Although still early in the season, coho salmon catches are similar to date as in 1991, which had good escapement into the Ilnik system. Significant area closures, as described in the regulation book, will provide additional protection to coho salmon stocks. It is appropriate at this time to extend the Ilnik Section 24 hours to allow appropriate fishing opportunity.

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EMERGENCY ORDER NO. 4-F-M-SP-38-92

EFFECTIVE DATE: 9:00 P.M. August 19, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. Thursday, August 20, 1992 in the Shumagin Islands Section.

-Continued-

JUSTIFICATION: Pink salmon escapements are generally good for this date in the Shumagin Islands Section. Pink salmon runs are unusually strong in the Shumagin Islands Section. Fishing time is also needed to harvest coho salmon which are entering local waters at this time. Windy weather has prevented much of the fleet from fishing effectively and effort is decreasing daily.

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EMERGENCY ORDER NO. 4-FS-M-PM-17-92

EFFECTIVE DATE: 6:00 P.M. August 20, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Bear River and Three Hills Sections from 6:00 p.m. Thursday, August 20 until 6:00 a.m. Monday, August 24, and reduces the closed waters at Bear River to the stream terminus at the ocean shoreline. That portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point is extended from 6:00 p.m. Thursday, August 20 until 6:00 a.m. Monday, August 24.

JUSTIFICATION: The total season escapement through the Bear River weir as of August 18 was 377,714 sockeye. The season escapement goal of 200,000 - 250,000 has been exceeded. The post-August 5 escapement goal of 50,000 - 75,000 has also been exceeded (117,832). The daily escapement since August 13 averaged over 10,000 sockeye/day, with the peak season daily escapement of 20,238 sockeye occurring on August 15. The stream terminus at the ocean shoreline of the Bear River will remain open to more effectively control the escapement. The daily commercial harvest rate indicating more fish are en route, it is appropriate to extend these areas and provide the optimum opportunity to harvest sockeye salmon surplus to the escapement needs.

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EMERGENCY ORDER NO. 4-F-M-SP-39-92

EFFECTIVE DATE: 9:00 P.M. August 20, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. Friday, August 21, 1992 in the Shumagin Islands Section.

JUSTIFICATION: An aerial survey this afternoon indicated that pink salmon runs and escapements are unusually strong in the Shumagin Islands Section for most streams. Fishing time is also needed to harvest coho salmon which are entering local waters at this time. Windy weather has prevented much of the fleet from fishing effectively and effort is decreasing daily.

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EMERGENCY ORDER NO. 4-FS-M-CB-51-92

EFFECTIVE DATE: 12:00 P.M. Midnight, August 20, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 6 hours until 12:00 P.M. Midnight Thursday during the week of August 16 - 22 in the Inner Port Heiden Section.

JUSTIFICATION: Inner Port Heiden coho salmon catches averaged 144 fish per delivery during August 18 which is good for this date. High winds prevented any fishing during August 19, consequently the fishing period was extended 24 hours

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until 6:00 P.M. August 20. However high winds continued until the morning of August 20. As a result, fishermen were unable to fish the August 19 evening tide. An extension until 12:00 P.M. August 20 will enable fishermen to make up the full fishing day lost to weather.

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EMERGENCY ORDER NO. 4-F-M-SP-40-92

EFFECTIVE DATE: 9:00 P.M. August 21, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. Saturday, August 22, 1992 in the Shumagin Islands Section.

JUSTIFICATION: Pink salmon runs are unusually strong in the Shumagin Islands Section for most streams. Fishing time is also needed to harvest coho salmon which are entering local waters at this time. Windy weather has prevented much of the fleet from fishing effectively and effort is low.

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EMERGENCY ORDER NO. 4-FS-M-CB-52-92

EFFECTIVE DATE: 6:00 P.M. August 26, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 6:00 P.M. Thursday during the week of August 23 - 29 in the Inner Port Heiden Section.

JUSTIFICATION: The Inner Port Heiden coho harvest totaled 4,100 fish during August 24, this is nearly twice as many fish as were caught during approximately the same date during the previous three years. The gear level is approximately the same as during previous years. Good escapements have been achieved in the past while allowing four days of fishing in the Inner Port Heiden Section during strong runs with the present gear level. An extra day of fishing can be granted at this time without jeopardizing the resource.

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EMERGENCY ORDER NO. 4-FS-M-PM-19-92

EFFECTIVE DATE: 6:00 P.M. August 26, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in that portion of the Ilnik Section located within four (4) nautical miles of the stream terminus of Unangashak River from 6:00 p.m. Wednesday, August 26 until 12:00 p.m. (midnight) Wednesday, August 26. The remaining portion of the Ilnik Section is extended from 6:00 p.m. Wednesday, August 26 until 6:00 p.m. Friday, August 28. The Bear River and Three Hills Sections are extended from 6:00 p.m. Thursday, August 27 for the duration of the 1992 commercial salmon season, and reduces the closed waters at Bear River to the stream terminus at the ocean shoreline. That portion of the Herendeen-Moller Bay Section enclosed by a line from Entrance Point to Harbor Point is also extended from 6:00 p.m. Thursday, August 27 for the duration of the 1992 commercial salmon season.

JUSTIFICATION: Effort in the Ilnik Section consists of a few set gill net operators fishing mainly near the Unangashak River. Survey conditions have been poor in the Ilnik and Unangashak Rivers, but catch data indicates a strong early

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run comparable to past years. Closing the area around the Unangashak River will redistribute effort throughout the entire Ilnik system.

The total season and all interim escapement goals for Bear River have been met. The season escapement goal for Bear River is 200,000 - 250,000 sockeye salmon. As of August 25, the sockeye escapement into Bear River is 397,810. The stream terminus at the ocean shoreline of the Bear River, which has been open since July 4, will remain open to more effectively control the escapement. The daily commercial harvest rate indicates more fish are en route, and it is appropriate to extend these areas and provide the optimum opportunity to harvest surplus sockeye salmon.

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EMERGENCY ORDER NO. 4-FS-M-CB-53-92

EFFECTIVE DATE: 12:00 P.M. Midnight, August 26, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 12:00 P.M. Midnight Thursday during the week of August 23 - 29 in the Nelson Lagoon Section.

JUSTIFICATION: The estimated coho escapement into the Sapsuk River is 6,000 fish which is good for this date. The Nelson Lagoon coho catch during August 24 and 25 was 9,000 and 5,500 fish respectively which indicates a strong run. During the previous two years with what appears were weaker runs, the Sapsuk River escapement goal of 20,000 to 30,000 coho was exceeded. An extra 24 hours of fishing time can be granted at this time without jeopardizing the resource.

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EMERGENCY ORDER NO. 4-FS-M-PM-20-92

EFFECTIVE DATE: 6:00 P.M. August 28, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period from 6:00 p.m. Friday, August 28 until 12:00 p.m. (midnight) Saturday, August 29 in the remaining portion of the Ilnik Section not located within four (4) nautical miles of the stream terminus of Unangashak River.

JUSTIFICATION: Effort in the Ilnik Section consists of a few set gill net operators that have been fishing mainly near the Unangashak River. Survey conditions have been poor to monitor the Unangashak River coho escapement. Weather conditions over the past 24 hours have hindered fishing opportunity in the Ilnik Section. Keeping the area around the Unangashak River closed to commercial salmon fishing will redistribute effort throughout the entire Ilnik system and target on other local coho stocks. It is appropriate at this time to extend the Ilnik Section, except that area around the Unangashak River.

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EMERGENCY ORDER NO. 4-F-M-SP-41-92

EFFECTIVE DATE: 9:00 A.M. September 1, 1992

EXPLANATION: This emergency order allows a 9:00 A.M. Tuesday, September 1 until 9:00 P.M. Thursday, September 3 salmon fishing period in the Southeastern District.

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Closed waters are expanded to include all waters as follows:

A. Zachary Bay: all waters in Zachary Bay South of $55^0$21′ N. lat.
B. All waters within 1,000 yards of the terminus of the stream on Unga Island locally known as the Farm or Ben Green Bight will be closed to commercial salmon fishing.
C. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor West of the longitude of the East end of the Peter Pan Seafoods dock.
D. Delarof Harbor: all waters in Delarof Harbor West of $160^0$30′ W. long.
E. Archeredin Bay: all waters in Archeredin Bay North of $55^0$10′ N. lat.
F. Fox Hole (Little Harbor): all waters in Fox Hole West of $160^0$19′45" W. long.
G. Dorenoi Bay: all waters in Dorenoi Bay West of a line extending from the North shore of Dorenoi Bay at $55^0$39′12" N. lat., $160^0$23′06" W. long. to a point on the South shore of Dorenoi Bay at $55^0$37′54" N. lat., $160^0$24′36" W. long.
H. Chichagof Bay: all waters in Chichagof Bay North of a line extending from the Eastern shore of Chichagof Bay at 55^0 39′36" N. lat., $160^0$13′30" W. long. to a point on the Western shore of Chichagof Bay at $55^0$38′56" N. lat., $160^0$15′ W. long.
I. Orzinski Bay: all waters of Orzinski Bay within 1,000 yards of any salmon stream.
J. Clark Bay: all waters of Clark Bay North of a line extending from the Eastern shore of Clark Bay at $55^0$47′ N.lat., 160^0 58′45" W. long. to a point on the Western shore of Clark Bay at $55^0$45′33" N. lat., $160^0$02′55" W. long.
K. Grub Gulch: all waters of Grub Gulch North of $55^0$48′ N. lat.
L. Island Bay: all waters of Island Bay East of $159^0$38′12" W. long.
M. Fox Bay: (1) all waters of the Northeast Head of Fox Bay East of $159^0$37′18" W. long.
(2) all waters of the Southeast Head of Fox Bay East of a line extending from the North shore of the Southeast Head of Fox Bay at $55^0$37′07" N. lat., $159^0$38′12" W. long. to a point on the South shore of the Southeast Head of Fox Bay at $55^0$36′48" N. lat., $159^0$38′30" W. long.
N. Boulder Bay: all waters of Boulder Bay East of $159^0$43′ W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Fishing time is needed to harvest coho salmon which are entering local bays at this time. Many pink and chum salmon are schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to protect the water marked-schooled salmon at the heads of the bays. Set gill net effort should not affect pink salmon escapements and purse seine effort is expected to be light.

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EMERGENCY ORDER NO. 4-FS-M-CB-54-92

EFFECTIVE DATE: 9:00 A.M. September 2, 1992

EXPLANATION: This emergency order establishes a 9:00 A.M. September 2 until 9:00 P.M. September 5 commercial salmon fishing period in the following locations:

1. Cold Bay Section
2. Thin Point Section
3. Ikatan Bay Section
4. Unimak District
5. Urilia Bay Section
6. That portion of the Swanson Lagoon Section located outside Swanson Lagoon, the Swanson Lagoon outlet channel, and within 500 yards of the outlet channel terminus.
7. Izembek - Moffet Bay Section

This emergency order supersedes the Northwestern District fishing periods listed in the regulation book.

JUSTIFICATION: Fishing time is needed to harvest coho salmon in the Northwestern District and western portion of the South Peninsula. There are large numbers of dark sockeye salmon in Swanson Lagoon and its outlet channel which need to move into closed waters before more area can be opened. Delaying the fall season until September 2 is necessary to allow chum salmon needed for escapement to move into closed waters. To spread out the effort it is desirable to have fishing periods the same throughout the western portion of the Alaska Peninsula Area. Additional locations may be opened prior to September 2 if subsequent surveys warrant. Delaying the fishing period until September 2 should give people adequate time to harvest subsistence salmon.

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EMERGENCY ORDER NO. 4-FS-M-CB-55-92

EFFECTIVE DATE: 6:00 P.M. September 2, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 6:00 P.M. Friday during the week of August 30 - September 5 in the Cinder River Section.

JUSTIFICATION: A recent survey indicated that early coho escapement into Mud Creek was very strong, and that late coho were entering the Cinder River. Fishing effort is only about half what it was during 1990 and 1991. Weather prevented fishing during August 31. Two days additional fishing time can be allowed at this time to harvest surplus Mud
Creek coho without overexploiting Cinder River stocks.

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EMERGENCY ORDER NO. 4-FS-M-CB-56-92

EFFECTIVE DATE: 6:00 P.M. September 2, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 6:00 P.M. Thursday during the week of August 30 - September 5 in the Inner Port Heiden Section.

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JUSTIFICATION: Weather has prevented fishing in the Inner Port Heiden Section during most of Monday and Tuesday this week. A 24 hour extension will enable fishermen a chance to regain lost fishing time.

EMERGENCY ORDER NO. 4-FS-M-PM-21-92

EFFECTIVE DATE: 6:00 P.M. September 2, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Ilnik Section from 6:00 p.m. Wednesday, September 2 until 12:00 p.m. (midnight) Wednesday, September 2.

JUSTIFICATION: Effort in the Ilnik Section consists of two set gill net operators. Effort earlier this season was targeted around Unangashak River coho stocks. The peak of the Unangashak River coho run is over, and effort is presently focused on Ilnik River coho stocks. Early season catch reports and aerial surveys indicate a strong early run into the Ilnik River. It is appropriate at this time to extend the Ilnik Section six hours to further evaluate the run.

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EMERGENCY ORDER NO. 4-FS-M-PM-22-92

EFFECTIVE DATE: 10:00 A.M. September 3, 1992

EXPLANATION: This emergency order opens the commercial salmon fishing period in the Ilnik Section for 12 hours from 10:00 a.m. Thursday, September 3 until 10:00 p.m. Thursday, September 3.

JUSTIFICATION: Effort in the Ilnik Section consists of two set gill net operators. Effort earlier this season effort was targeted around Unangashak River coho stocks. The peak of the Unangashak River coho run is over, and effort is presently focused on Ilnik River coho stocks. Early season catch reports and aerial surveys indicate a strong early run into the Ilnik River. It is appropriate at this time to reopen the Ilnik Section for 12 hours to further evaluate the run.

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EMERGENCY ORDER NO. 4-F-M-SP-42-92

EFFECTIVE DATE: 9:00 P.M. September 3, 1992

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 P.M. Friday, September 4, 1992 in the Southeastern District.

The closed waters in effect during the September 1 to September 3 fishing period will remain in effect. All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Fishing time is needed to harvest coho salmon which are entering local bays at this time. Many pink and chum salmon are schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to protect the water marked-schooled salmon at the heads of the bays. Set gill net effort is decreasing and should not affect pink and chum salmon escapements; purse seine effort is expected to remain light.

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EMERGENCY ORDER NO. 4-FS-M-PM-23-92

EFFECTIVE DATE: 11:00 A.M. September 4, 1992

EXPLANATION: This emergency order opens the commercial salmon fishing period in the Ilnik Section for 36 hours from 11:00 a.m. Friday, September 4 until 11:00 p.m. Saturday, September 5.

JUSTIFICATION: Effort in the Ilnik Section consists of two set gill net operators. Effort earlier this season effort was targeted around Unangashak River coho stocks. The peak of the Unangashak River coho run is over, and effort is presently focused on Ilnik River coho stocks. Catch reports indicate that the number of fish entering the Ilnik River system is on the increase, and at this time appears to be comparable to past strong years. It is appropriate at this time to reopen the Ilnik Section for 36 hours to further evaluate the run.

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EMERGENCY ORDER NO. 4-FS-M-CB-57-92

EFFECTIVE DATE: 6:00 A.M. September 6, 1992

EXPLANATION: This emergency order closes the commercial salmon fishing season after September 6 in the Inner Port Heiden Section.

The commercial salmon fishing period during the week of September 6 - 12 is expanded 24 hours to 6:00 A.M. Sunday until 12:00 P.M. Midnight Wednesday in the Nelson Lagoon Section.

JUSTIFICATION: Recent surveys of the Meshik River indicate that the coho escapement is less than 1,000 fish and the run should be past its peak. The escapement should be in the 10,000 to 15,000 range by this date. Coho catches during September 2 - 3 indicate that the number of fish moving into the Inner Port Heiden Section is light.

A September 4 survey indicated that the escapement of coho salmon into the Sapsuk River is approximately 9,000 fish. Catches during August 31 through September 2 averaged between 6,000 and 7,000 coho per day which is fairly good. Based upon past years, with approximately the same escapement and catch levels at this date, the escapement goal of 20,000 to 30,000 fish can be met while reopening the Nelson Lagoon fishery 24 hours early during the week of September 6 - 12.

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EMERGENCY ORDER NO. 4-FS-M-PM-24-92

EFFECTIVE DATE: 2:00 P.M. September 6, 1992

EXPLANATION: This emergency order opens the commercial salmon fishing period in the Ilnik Section from 2:00 p.m. Sunday, September 6 until 6:00 a.m. Monday, September 7.

JUSTIFICATION: The escapement into the Ilnik River system is at least 17,000 coho salmon, satisfying escapement requirements. Effort in the Ilnik Section consists of two set gill net operators. Catch reports indicate that the number of fish entering the Ilnik River system is still on the increase. It is appropriate at this time to open the Ilnik Section and provide the optimum opportunity to harvest coho salmon surplus to escapement needs while preventing overescapement.

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EMERGENCY ORDER NO. 4-F-M-SP-43-92

EFFECTIVE DATE: 9:00 A.M. September 7, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing season from Thursday, October 1 until Friday, October 30 in the Southeastern District. This emergency order also allows 9:00 A.M. Monday until 9:00 P.M. Friday commercial salmon fishing periods in the Southeastern District.

Closed waters in the Southeastern District will remain the same as during the commercial salmon period of September 1-4.

JUSTIFICATION: Fishing time is needed to harvest coho salmon which are entering local bays at this time. The expanded closed waters areas are needed to protect the water marked-schooled salmon at the heads of the bays. Effort continues to be light throughout the district and is expected to decrease. September and October weather will likely reduce actual fishing days to about three to four days per week.

An aerial survey flown on September 2 indicated that except for three streams all sockeye, chum, and pink salmon escapements in the Southeastern District were good to excellent. With actual fishing days being about three days per week, decreasing effort, and with the additional closed water adjustments coho salmon escapements should also be good to excellent for Southeastern District streams.

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EMERGENCY ORDER NO. 4-F-M-SP-44-92

EFFECTIVE DATE: 9:00 A.M. September 7, 1992

EXPLANATION: This emergency order reduces the closed waters from 1,000 yards to the normal 500 yard closure at the terminus of the stream on Unga Island locally known as the Farm or Ben Green Bight.

JUSTIFICATION:

A survey of Ben Green Bight on Saturday, September 5 and recent commercial catch data from the Shumagin Islands Section, indicated that the pink salmon return for Ben Green Bight (Farm) is complete for 1992. Those pink salmon present in the lagoon should not be harvested with a 500 yard closure in effect. Two set net sites are not open with the expanded 1,000 yard closure and the fishermen that work those sites should be allowed to fish those sites.

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EMERGENCY ORDER NO. 4-FS-M-PM-25-92

EFFECTIVE DATE: 6:00 P.M. September 9, 1992

EXPLANATION: This emergency order extends the commercial salmon fishing period in the Ilnik Section from 6:00 p.m. Wednesday, September 9 until 6:00 a.m. Friday, September 11.

-Continued-

JUSTIFICATION: The escapement into the Ilnik River system on September 5 was at least 17,000 coho salmon, satisfying escapement requirements. Effort in the Ilnik Section consists of two set gill net operators within Ilnik Lagoon. Catch reports indicate that large numbers of fish are still entering the Ilnik River system. Extending the Ilnik Section beyond the scheduled closure at 6:00 p.m. today, will provide fishing opportunity inside Ilnik Lagoon on this evenings tide and tomorrow. It is appropriate at this time to extend the Ilnik Section 36 hours to provide the optimum opportunity to harvest coho salmon surplus to escapement needs while preventing overescapement.

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EMERGENCY ORDER NO. 4-FS-M-CB-58-92

EFFECTIVE DATE: 6:00 A.M. September 10, 1992

EXPLANATION: This emergency order establishes a 6:00 A.M. September 10 until 9:00 P.M. September 11 commercial salmon fishing period in the following locations:

1. Unimak District
2. Ikatan Bay Section
3. Morzhovoi Bay Section
4. Cold Bay Section
5. Thin Point Section
6. Belkofski Bay Section
7. Swanson Lagoon Section
8. Urilia Bay Section
9. Izembek Bay Section

JUSTIFICATION: Fishing time is needed to harvest coho salmon in the western portion of the Alaska Peninsula Area. Two days should be adequate to harvest in terminal locations, weather permitting.

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EMERGENCY ORDER NO. 4-FS-M-CB-59-92

EFFECTIVE DATE: 9:00 P.M. September 11, 1992

EXPLANATION: This emergency order extends commercial fishing time 24 hours until 9:00 P.M. September 12 in the following locations:

1. Unimak District
2. Ikatan Bay Section
3. Morzhovoi Bay Section
4. Cold Bay Section
5. Thin Point Section
6. Belkofski Bay Section
7. Swanson Lagoon Section
8. Urilia Bay Section
9. Izembek Bay Section

JUSTIFICATION: Fishing time is needed to harvest coho salmon in the western portion of the Alaska Peninsula Area. Coho escapements in major systems are large enough to warrant a 24 hour extension of fishing time.

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Appendix B.2. Atka-Amlia Islands emergency order summary, 1992.

EMERGENCY ORDER NO. 4-FS-F-CB-01-92

EFFECTIVE DATE: 12:01 A.M. August 17, 1992

EXPLANATION: This emergency order allows continuous commercial salmon fishing time in that portion of the Atka-Amlia Islands Management Area located outside of Korovinski Lagoon and Nazan Bay.

JUSTIFICATION: The only participants in the Atka-Amlia Islands salmon fishery are local residents with a very limited means of traveling to remote locations where most of the major pink salmon streams are located. All of the effort is presently being concentrated on Nazan Bay and Korovinski Lagoon systems. By allowing continuous fishing time in the area outside of Nazan Bay and Korovinski Lagoon, fishermen will be able to take advantage of any good weather that may occur and will be able to harvest salmon from more remote locations.

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EMERGENCY ORDER NO. 4-FS-F-CB-02-92

EFFECTIVE DATE: 12:01 A.M. August 17, 1992

EXPLANATION: This emergency order expands waters closed to commercial salmon fishing to 1,000 yards from 500 yards around the terminus of the northwestern-most stream in Nazan Bay.

JUSTIFICATION: Approximately eighty percent of the fishing effort in Nazan Bay targets fish going into stream 305-52-150. The escapement is presently 1,200 pink salmon which appears to be less than half of what the escapement should be at this date. An expansion of waters closed to commercial salmon fishing is needed to insure that the 10,000 escapement objective is met.

APPENDIX C: ALASKA PENINSULA TIDES FOR 1992

Appendix C.1. Port Moller tides, 1992.

Date		HIGH TIDE Time	HIGH TIDE Feet	HIGH TIDE Time	HIGH TIDE Feet	LOW TIDE Time	LOW TIDE Feet	LOW TIDE Time	LOW TIDE Feet
May	1	10:05 AM	8.3	11:28 PM	10.3	4:20 AM	6.6	4:19 PM	1.0
	2	10:45 AM	8.1	:		5:13 AM	6.9	5:00 PM	0.4
	3	0:15 AM	10.8	11:28 AM	7.9	6:05 AM	7.0	5:43 PM	-0.1
	4	1:02 AM	11.3	12:14 PM	7.9	6:55 AM	6.9	6:28 PM	-0.6
	5	1:48 AM	11.7	1:03 PM	7.9	7:45 AM	6.6	7:15 PM	-1.0
	6	2:35 AM	12.0	1:58 PM	8.0	8:34 AM	6.0	8:05 PM	-1.2
	7	3:23 AM	12.2	2:56 PM	8.2	9:23 AM	5.3	8:59 PM	-1.0
	8	4:10 AM	12.3	3:58 PM	8.5	10:13 AM	4.3	9:54 PM	-0.5
	9	4:59 AM	12.2	5:04 PM	8.9	11:03 AM	3.0	10:53 PM	0.2
	10	5:47 AM	12.0	6:11 PM	9.3	11:54 AM	1.7	11:53 PM	1.3
	11	6:36 AM	11.7	7:18 PM	9.9	:		12:45 PM	0.3
	12	7:26 AM	11.2	8:25 PM	10.5	0:55 AM	2.5	1:36 PM	-0.9
	13	8:17 AM	10.7	9:29 PM	11.0	1:59 AM	3.6	2:28 PM	-1.8
	14	9:08 AM	10.1	10:31 PM	11.5	3:02 AM	4.5	3:19 PM	-2.4
	15	10:01 AM	9.5	11:29 PM	11.9	4:05 AM	5.2	4:10 PM	-2.5
	16	10:54 AM	9.0	:		5:06 AM	5.6	5:00 PM	-2.3
	17	0:24 AM	12.1	11:47 AM	8.5	6:05 AM	5.8	5:49 PM	-1.8
	18	1:16 AM	12.1	12:39 PM	8.1	7:01 AM	5.8	6:38 PM	-1.2
	19	2:05 AM	12.0	1:31 PM	7.7	7:53 AM	5.8	7:25 PM	-0.3
	20	2:50 AM	11.8	2:21 PM	7.5	8:43 AM	5.7	8:12 PM	0.4
	21	3:33 AM	11.5	3:12 PM	7.4	9:29 AM	5.5	8:58 PM	1.4
	22	4:13 AM	11.2	4:03 PM	7.4	10:13 AM	5.1	9:44 PM	2.3
	23	4:51 AM	10.8	4:55 PM	7.5	10:55 AM	4.6	10:31 PM	3.4
	24	5:27 AM	10.5	5:49 PM	7.7	11:36 AM	3.9	11:20 PM	4.4
	25	6:03 AM	10.1	6:43 PM	8.1	:		12:16 PM	3.2
	26	6:38 AM	9.7	7:37 PM	8.6	0:11 AM	5.3	12:56 PM	2.4
	27	7:14 AM	9.4	8:29 PM	9.1	1:04 AM	6.2	1:35 PM	1.5
	28	7:51 AM	9.0	9:21 PM	9.7	1:59 AM	6.9	2:15 PM	0.7
	29	8:30 AM	8.7	10:10 PM	10.4	2:53 AM	7.4	2:56 PM	-0.1
	30	9:11 AM	8.4	10:59 PM	11.0	3:48 AM	7.7	3:38 PM	-0.7
	31	9:56 AM	8.2	11:47 PM	11.5	4:42 AM	7.7	4:22 PM	-1.4
June	1	10:46 AM	8.1	:		5:35 AM	7.5	5:09 PM	-1.9
	2	0:35 AM	12.0	11:40 AM	8.1	6:27 AM	7.1	5:58 PM	-2.2
	3	1:23 AM	12.3	12:38 PM	8.2	7:18 AM	6.3	6:50 PM	-2.2
	4	2:11 AM	12.6	1:40 PM	8.4	8:09 AM	5.3	7:44 PM	-1.8
	5	2:58 AM	12.7	2:46 PM	8.6	9:00 AM	4.0	8:41 PM	-1.0
	6	3:46 AM	12.6	3:54 PM	8.9	9:51 AM	2.5	9:39 PM	0.1
	7	4:34 AM	12.4	5:02 PM	9.4	10:42 AM	0.9	10:40 PM	1.4
	8	5:22 AM	12.0	6:11 PM	9.9	11:34 AM	-0.5	11:42 PM	2.8
	9	6:12 AM	11.5	7:18 PM	10.5	:		12:25 PM	-1.7
	10	7:02 AM	10.9	8:23 PM	11.0	0:45 AM	4.1	1:17 PM	-2.6
	11	7:53 AM	10.3	9:25 PM	11.4	1:49 AM	5.2	2:08 PM	-3.0
	12	8:45 AM	9.7	10:23 PM	11.7	2:51 AM	5.9	2:59 PM	-3.0
	13	9:37 AM	9.0	11:19 PM	11.9	3:53 AM	6.4	3:49 PM	-2.7
	14	10:30 AM	8.5	:		4:52 AM	6.6	4:38 PM	-2.1
	15	0:10 AM	11.9	11:21 AM	8.0	5:49 AM	6.7	5:25 PM	-1.3
	16	0:58 AM	11.8	12:12 PM	7.6	6:42 AM	6.6	6:12 PM	-0.4
	17	1:43 AM	11.6	1:02 PM	7.3	7:31 AM	6.5	6:56 PM	0.4
	18	2:23 AM	11.3	1:52 PM	7.2	8:17 AM	6.1	7:41 PM	1.4
	19	3:01 AM	11.1	2:42 PM	7.1	9:00 AM	5.7	8:25 PM	2.4
	20	3:35 AM	10.8	3:33 PM	7.2	9:40 AM	5.0	9:10 PM	3.4

-Continued-

Appendix C.1. (page 2 of 3)

Date		HIGH TIDE Time	HIGH TIDE Feet	HIGH TIDE Time	HIGH TIDE Feet	LOW TIDE Time	LOW TIDE Feet	LOW TIDE Time	LOW TIDE Feet
June	21	4:09 AM	10.5	4:26 PM	7.5	10:19 AM	4.3	9:57 PM	4.4
	22	4:42 AM	10.2	5:19 PM	7.9	10:57 AM	3.4	10:46 PM	5.4
	23	5:14 AM	9.9	6:12 PM	8.3	11:36 AM	2.5	11:37 PM	6.3
	24	5:48 AM	9.6	7:04 PM	8.9	:		12:14 PM	1.5
	25	6:24 AM	9.3	7:56 PM	9.5	0:30 AM	7.0	12:53 PM	0.6
	26	7:02 AM	9.0	8:46 PM	10.1	1:24 AM	7.6	1:34 PM	-0.3
	27	7:44 AM	8.8	9:37 PM	10.8	2:19 AM	8.0	2:17 PM	-1.2
	28	8:30 AM	8.7	10:27 PM	11.3	3:13 AM	8.1	3:03 PM	-2.0
	29	9:21 AM	8.7	11:16 PM	11.8	4:07 AM	7.9	3:51 PM	-2.6
	30	10:17 AM	8.7	:		5:01 AM	7.4	4:42 PM	-2.9
July	1	0:06 AM	12.2	11:18 AM	8.7	5:54 AM	6.6	5:35 PM	-2.9
	2	0:54 AM	12.5	12:23 PM	8.8	6:47 AM	5.4	6:31 PM	-2.4
	3	1:43 AM	12.6	1:30 PM	9.1	7:40 AM	3.9	7:28 PM	-1.5
	4	2:31 AM	12.6	2:39 PM	9.4	8:33 AM	2.3	8:27 PM	-0.3
	5	3:20 AM	12.4	3:48 PM	9.8	9:25 AM	0.6	9:27 PM	1.1
	6	4:09 AM	12.1	4:57 PM	10.2	10:18 AM	-0.8	10:29 PM	2.5
	7	4:59 AM	11.6	6:03 PM	10.7	11:11 AM	-2.0	11:31 PM	3.8
	8	5:49 AM	11.1	7:08 PM	11.1	:		12:03 PM	-2.8
	9	6:41 AM	10.5	8:10 PM	11.3	0:33 AM	4.9	12:55 PM	-3.2
	10	7:33 AM	9.9	9:10 PM	11.5	1:35 AM	5.8	1:47 PM	-3.1
	11	8:25 AM	9.3	10:06 PM	11.5	2:35 AM	6.3	2:38 PM	-2.6
	12	9:17 AM	8.8	10:59 PM	11.5	3:34 AM	6.7	3:28 PM	-2.0
	13	10:09 AM	8.3	11:49 PM	11.3	4:31 AM	6.9	4:16 PM	-1.2
	14	10:59 AM	7.9	:		5:24 AM	7.0	5:02 PM	-0.3
	15	0:34 AM	11.2	11:49 AM	7.6	6:14 AM	6.8	5:47 PM	0.6
	16	1:14 AM	10.9	12:38 PM	7.4	7:00 AM	6.5	6:31 PM	1.5
	17	1:51 AM	10.7	1:28 PM	7.3	7:43 AM	6.1	7:15 PM	2.5
	18	2:24 AM	10.4	2:18 PM	7.4	8:23 AM	5.5	7:59 PM	3.5
	19	2:56 AM	10.1	3:08 PM	7.6	9:01 AM	4.7	8:44 PM	4.4
	20	3:27 AM	9.9	3:58 PM	7.9	9:38 AM	3.9	9:31 PM	5.3
	21	3:58 AM	9.6	4:49 PM	8.4	10:15 AM	3.0	10:19 PM	6.1
	22	4:31 AM	9.4	5:39 PM	8.9	10:53 AM	2.0	11:09 PM	6.8
	23	5:05 AM	9.2	6:29 PM	9.4	11:32 AM	1.0	:	
	24	5:42 AM	9.1	7:19 PM	10.0	0:01 AM	7.3	12:13 PM	0.0
	25	6:24 AM	9.0	8:10 PM	10.5	12:53 AM	7.7	12:57 PM	-0.9
	26	7:10 AM	9.0	9:01 PM	11.0	1:45 AM	7.8	1:43 PM	-1.7
	27	8:02 AM	9.1	9:52 PM	11.4	2:39 AM	7.7	2:33 PM	-2.4
	28	8:59 AM	9.1	10:43 PM	11.8	3:33 AM	7.2	3:26 PM	-2.7
	29	10:01 AM	9.3	11:33 PM	12.0	4:27 AM	6.3	4:20 PM	-2.7
	30	11:07 AM	9.4	:		5:21 AM	5.1	5:17 PM	-2.3
	31	0:23 AM	12.2	12:15 PM	9.7	6:16 AM	3.6	6:16 PM	-1.4
Aug.	1	1:13 AM	12.1	1:24 PM	10.0	7:10 AM	2.0	7:15 PM	-0.3
	2	2:03 AM	12.0	2:32 PM	10.4	8:03 AM	0.3	8:16 PM	0.8
	3	2:53 AM	11.7	3:39 PM	10.8	8:57 AM	-1.0	9:17 PM	2.1
	4	3:44 AM	11.4	4:44 PM	11.1	9:51 AM	-2.0	10:18 PM	3.2
	5	4:36 AM	10.9	5:48 PM	11.3	10:44 AM	-2.6	11:18 PM	4.2
	6	5:28 AM	10.5	6:49 PM	11.4	11:38 AM	-2.8	:	
	7	6:21 AM	10.0	7:48 PM	11.4	0:18 AM	5.0	12:31 PM	-2.6
	8	7:14 AM	9.5	8:45 PM	11.3	1:16 AM	5.6	1:23 PM	-2.1
	9	8:07 AM	9.0	9:39 PM	11.1	2:13 AM	6.1	2:14 PM	-1.4
	10	8:59 AM	8.6	10:29 PM	10.9	3:08 AM	6.4	3:04 PM	-0.6
	11	9:50 AM	8.3	11:16 PM	10.6	4:01 AM	6.5	3:52 PM	0.2
	12	10:41 AM	8.0	11:58 PM	10.4	4:51 AM	6.5	4:39 PM	1.1
	13	11:31 AM	7.9	:		5:37 AM	6.3	5:24 PM	2.0
	14	0:36 AM	10.1	12:20 PM	7.8	6:20 AM	5.9	6:09 PM	2.9

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Date		HIGH TIDE Time	HIGH TIDE Feet	HIGH TIDE Time	HIGH TIDE Feet	LOW TIDE Time	LOW TIDE Feet	LOW TIDE Time	LOW TIDE Feet
Aug.	15	1:10 AM	9.8	1:09 PM	7.9	7:01 AM	5.4	6:54 PM	3.8
	16	1:43 AM	9.5	1:58 PM	8.1	7:39 AM	4.7	7:40 PM	4.6
	17	2:14 AM	9.2	2:45 PM	8.4	8:17 AM	4.1	8:26 PM	5.3
	18	2:45 AM	9.0	3:32 PM	8.8	8:54 AM	3.3	9:12 PM	6.0
	19	3:17 AM	8.8	4:19 PM	9.2	9:31 AM	2.5	9:59 PM	6.5
	20	3:51 AM	8.7	5:06 PM	9.7	10:10 AM	1.6	10:47 PM	6.9
	21	4:28 AM	8.7	5:54 PM	10.1	10:51 AM	0.7	11:36 PM	7.1
	22	5:10 AM	8.8	6:44 PM	10.5	11:36 AM	-0.2	:	
	23	5:57 AM	8.9	7:34 PM	10.9	0:26 AM	7.1	12:23 PM	-0.9
	24	6:50 AM	9.1	8:25 PM	11.2	1:17 AM	6.9	1:14 PM	-1.5
	25	7:48 AM	9.3	9:16 PM	11.4	2:09 AM	6.3	2:09 PM	-1.8
	26	8:50 AM	9.6	10:07 PM	11.5	3:03 AM	5.4	3:05 PM	-1.7
	27	9:56 AM	9.9	10:58 PM	11.6	3:56 AM	4.2	4:04 PM	-1.2
	28	11:03 AM	10.2	11:49 PM	11.5	4:51 AM	2.8	5:04 PM	-0.5
	29	:		12:11 PM	10.7	5:45 AM	1.2	6:04 PM	0.3
	30	0:41 AM	11.3	1:18 PM	11.1	6:39 AM	-0.1	7:05 PM	1.3
	31	1:33 AM	11.1	2:23 PM	11.5	7:33 AM	-1.3	8:06 PM	2.2
Sept.	1	2:26 AM	10.7	3:25 PM	11.7	8:28 AM	-2.0	9:06 PM	3.0
	2	3:19 AM	10.4	4:26 PM	11.8	9:22 AM	-2.4	10:05 PM	3.7
	3	4:13 AM	10.0	5:25 PM	11.8	10:16 AM	-2.3	11:03 PM	4.3
	4	5:07 AM	9.7	6:22 PM	11.6	11:09 AM	-2.0	11:59 PM	4.8
	5	6:01 AM	9.4	7:17 PM	11.3	:		12:03 PM	-1.3
	6	6:55 AM	9.0	8:10 PM	11.0	0:53 AM	5.1	12:55 PM	-0.6
	7	7:48 AM	8.8	9:00 PM	10.6	1:46 AM	5.4	1:46 PM	0.2
	8	8:41 AM	8.5	9:46 PM	10.3	2:37 AM	5.5	2:36 PM	1.1
	9	9:33 AM	8.4	10:29 PM	9.9	3:25 AM	5.5	3:25 PM	2.0
	10	10:25 AM	8.4	11:09 PM	9.6	4:11 AM	5.3	4:13 PM	2.9
	11	11:15 AM	8.4	11:46 PM	9.2	4:54 AM	4.9	5:01 PM	3.8
	12	:		12:05 PM	8.6	5:35 AM	4.5	5:49 PM	4.5
	13	0:21 AM	8.9	12:52 PM	8.8	6:14 AM	4.0	6:36 PM	5.2
	14	0:55 AM	8.6	1:38 PM	9.1	6:53 AM	3.5	7:23 PM	5.7
	15	1:28 AM	8.3	2:22 PM	9.5	7:30 AM	2.9	8:10 PM	6.1
	16	2:02 AM	8.2	3:06 PM	9.8	8:09 AM	2.3	8:56 PM	6.4
	17	2:37 AM	8.1	3:51 PM	10.2	8:48 AM	1.6	9:42 PM	6.6
	18	3:16 AM	8.2	4:36 PM	10.5	9:30 AM	0.9	10:29 PM	6.6
	19	3:59 AM	8.3	5:23 PM	10.8	10:15 AM	0.3	11:16 PM	6.4
	20	4:48 AM	8.5	6:11 PM	11.1	11:04 AM	-0.2	:	
	21	5:42 AM	8.8	7:01 PM	11.2	0:04 AM	6.0	11:56 AM	-0.5
	22	6:41 AM	9.1	7:50 PM	11.3	0:54 AM	5.2	12:51 PM	-0.5
	23	7:44 AM	9.5	8:41 PM	11.3	1:45 AM	4.2	1:49 PM	-0.2
	24	8:50 AM	10.0	9:32 PM	11.1	2:37 AM	2.9	2:49 PM	0.3
	25	9:57 AM	10.5	10:24 PM	10.9	3:30 AM	1.5	3:51 PM	1.0
	26	11:03 AM	11.0	11:16 PM	10.6	4:23 AM	0.1	4:53 PM	1.8
	27	:		12:08 PM	11.6	5:17 AM	-1.0	5:55 PM	2.5
	28	0:10 AM	10.3	1:10 PM	12.0	6:10 AM	-1.9	6:56 PM	3.1
	29	1:04 AM	10.0	2:10 PM	12.2	7:04 AM	-2.3	7:56 PM	3.5
	30	1:59 AM	9.7	3:08 PM	12.3	7:58 AM	-2.5	8:54 PM	3.9

Tidal Station Location: Port Moller (Entrance Point) 55 59'N., 160 34'W.
Port Heiden 56 56'N., 158 44'W.

Note: To correct the time and height for high and low tides for Port Heiden add time and feet from the Port Moller tide table.

Port Heiden:	Time		Feet	
	High	Low	High	Low
	1:30	2:04	0.6	0.8

Appendix C.2. Kodiak tides, 1992.

Date		HIGH TIDE Time	HIGH TIDE Feet	HIGH TIDE Time	HIGH TIDE Feet	LOW TIDE Time	LOW TIDE Feet	LOW TIDE Time	LOW TIDE Feet
May	1	1:24 AM	8.7	2:18 PM	7.1	8:00 AM	-0.5	7:47 PM	1.6
	2	1:57 AM	9.2	2:59 PM	7.2	8:38 AM	-1.1	8:23 PM	1.7
	3	2:32 AM	9.5	3:41 PM	7.2	9:17 AM	-1.5	9:00 PM	1.8
	4	3:08 AM	9.7	4:24 PM	7.1	9:58 AM	-1.7	9:39 PM	2.0
	5	3:47 AM	9.7	5:10 PM	6.9	10:41 AM	-1.7	10:22 PM	2.2
	6	4:31 AM	9.4	6:01 PM	6.7	11:28 AM	-1.4	11:12 PM	2.5
	7	5:19 AM	9.0	6:56 PM	6.6	:		12:19 PM	-0.9
	8	6:16 AM	8.3	7:58 PM	6.7	0:11 AM	2.7	1:14 PM	-0.4
	9	7:25 AM	7.6	9:01 PM	7.0	1:24 AM	2.8	2:14 PM	0.1
	10	8:47 AM	7.0	10:01 PM	7.5	2:47 AM	2.5	3:17 PM	0.5
	11	10:12 AM	6.7	10:55 PM	8.1	4:11 AM	1.8	4:18 PM	0.9
	12	11:29 AM	6.7	11:44 PM	8.7	5:22 AM	0.9	5:16 PM	1.2
	13	:		12:34 PM	6.8	6:21 AM	-0.1	6:08 PM	1.4
	14	0:29 AM	9.2	1:30 PM	7.0	7:12 AM	-0.8	6:56 PM	1.6
	15	1:12 AM	9.6	2:20 PM	7.1	7:58 AM	-1.4	7:40 PM	1.8
	16	1:53 AM	9.8	3:06 PM	7.2	8:41 AM	-1.7	8:22 PM	1.9
	17	2:32 AM	9.7	3:49 PM	7.1	9:22 AM	-1.7	9:02 PM	2.1
	18	3:10 AM	9.5	4:31 PM	7.0	10:01 AM	-1.6	9:42 PM	2.4
	19	3:48 AM	9.2	5:13 PM	6.7	10:41 AM	-1.2	10:22 PM	2.6
	20	4:26 AM	8.7	5:55 PM	6.5	11:20 AM	-0.8	11:04 PM	2.9
	21	5:06 AM	8.1	6:40 PM	6.4	12:00 PM	-0.2	11:51 PM	3.1
	22	5:48 AM	7.5	7:26 PM	6.3	:		12:41 PM	0.2
	23	6:37 AM	6.8	8:15 PM	6.4	0:46 AM	3.2	1:24 PM	0.8
	24	7:36 AM	6.2	9:05 PM	6.6	1:51 AM	3.2	2:11 PM	1.3
	25	8:49 AM	5.7	9:53 PM	6.9	2:04 AM	2.9	3:01 PM	1.7
	26	10:08 AM	5.5	10:37 PM	7.4	4:16 AM	2.4	3:53 PM	2.0
	27	11:20 AM	5.5	11:20 PM	7.9	5:16 AM	1.6	4:45 PM	2.2
	28	:		12:22 PM	5.8	6:08 AM	0.7	5:35 PM	2.3
	29	0:01 AM	8.5	1:14 PM	6.1	6:54 AM	-0.1	6:23 PM	2.4
	30	0:42 AM	9.0	2:02 PM	6.5	7:37 AM	-0.9	7:09 PM	2.3
	31	1:23 AM	9.5	2:47 PM	6.8	8:19 AM	-1.5	7:54 PM	2.2
June	1	2:06 AM	9.9	3:32 PM	7.0	9:02 AM	-2.0	8:40 PM	2.1
	2	2:49 AM	10.1	4:16 PM	7.2	9:46 AM	-2.2	9:27 PM	2.1
	3	3:35 AM	10.0	5:02 PM	7.3	10:30 AM	-2.2	10:17 PM	2.1
	4	4:23 AM	9.7	5:49 PM	7.4	11:15 AM	-1.9	11:11 PM	2.1
	5	5:14 AM	9.1	6:38 PM	7.5	:		12:02 PM	-1.4
	6	6:11 AM	8.3	7:30 PM	7.7	0:12 AM	2.1	12:50 PM	-0.7
	7	7:16 AM	7.3	8:25 PM	7.9	1:21 AM	2.0	1:41 PM	0.1
	8	8:32 AM	6.5	9:21 PM	8.2	2:37 AM	1.7	2:36 PM	0.9
	9	9:55 AM	5.9	10:16 PM	8.6	3:55 AM	1.2	3:34 PM	1.6
	10	11:17 AM	5.8	11:10 PM	8.9	5:07 AM	0.5	4:34 PM	2.1
	11	:		12:28 PM	5.9	6:09 AM	-0.1	5:33 PM	2.4
	12	0:01 AM	9.1	1:26 PM	6.2	7:02 AM	-0.7	6:28 PM	2.5
	13	0:48 AM	9.3	2:16 PM	6.4	7:48 AM	-1.1	7:18 PM	2.6
	14	1:32 AM	9.4	3:00 PM	6.6	8:30 AM	-1.4	8:03 PM	2.5
	15	2:13 AM	9.4	3:39 PM	6.8	9:09 AM	-1.5	8:45 PM	2.5
	16	2:52 AM	9.3	4:17 PM	6.9	9:46 AM	-1.4	9:25 PM	2.5
	17	3:30 AM	9.1	4:53 PM	6.9	10:21 AM	-1.2	10:05 PM	2.5
	18	4:07 AM	8.7	5:28 PM	6.9	10:55 AM	-0.9	10:46 PM	2.6
	19	4:43 AM	8.2	6:04 PM	6.9	11:28 AM	-0.5	11:29 PM	2.6
	20	5:22 AM	7.6	6:39 PM	7.0	:		12:01 PM	0.0
	21	6:03 AM	6.9	7:17 PM	7.0	0:17 AM	2.7	12:35 PM	0.5
	22	6:51 AM	6.2	7:57 PM	7.2	1:11 AM	2.6	1:11 PM	1.1
	23	7:52 AM	5.5	8:42 PM	7.4	2:12 AM	2.5	1:51 PM	1.7
	24	9:09 AM	5.1	9:31 PM	7.6	3:21 AM	2.1	2:39 PM	2.2

-Continued-

Appendix C.2. (page 2 of 4)

Date		HIGH TIDE Time	HIGH TIDE Feet	HIGH TIDE Time	HIGH TIDE Feet	LOW TIDE Time	LOW TIDE Feet	LOW TIDE Time	LOW TIDE Feet
	25	10:35 AM	4.9	10:23 PM	8.0	4:30 AM	1.5	3:37 PM	2.6
	26	11:52 AM	5.2	11:16 PM	8.5	5:32 AM	0.7	4:40 PM	2.8
	27	:		12:55 PM	5.6	6:27 AM	-0.1	5:42 PM	2.8
	28	0:09 AM	9.1	1:46 PM	6.1	7:16 AM	-1.0	6:40 PM	2.6
	29	0:59 AM	9.7	2:32 PM	6.6	8:03 AM	-1.7	7:34 PM	2.3
	30	1:49 AM	10.1	3:16 PM	7.1	8:47 AM	-2.2	8:26 PM	1.9
July	1	2:37 AM	10.4	3:58 PM	7.6	9:30 AM	-2.5	9:18 PM	1.6
	2	3:26 AM	10.3	4:41 PM	8.0	10:13 AM	-2.4	10:10 PM	1.3
	3	4:16 AM	9.9	5:24 PM	8.3	10:55 AM	-2.0	11:05 PM	1.1
	4	5:07 AM	9.1	6:08 PM	8.5	11:38 AM	-1.3	:	
	5	6:02 AM	8.1	6:55 PM	8.6	0:02 AM	1.1	12:21 PM	-0.5
	6	7:02 AM	7.0	7:45 PM	8.6	1:06 AM	1.0	1:06 PM	0.4
	7	8:13 AM	6.1	8:40 PM	8.6	2:16 AM	1.0	1:55 PM	1.4
	8	9:38 AM	5.4	9:39 PM	8.5	3:32 AM	0.8	2:52 PM	2.2
	9	11:06 AM	5.2	10:41 PM	8.6	4:48 AM	0.5	3:58 PM	2.8
	10	12:23 PM	5.4	11:39 PM	8.7	5:56 AM	0.0	5:07 PM	3.0
	11	:		1:22 PM	5.8	6:52 AM	-0.3	6:11 PM	3.0
	12	0:31 AM	8.8	2:08 PM	6.2	7:38 AM	-0.7	7:04 PM	2.9
	13	1:18 AM	9.0	2:46 PM	6.5	8:17 AM	-1.0	7:50 PM	2.6
	14	2:00 AM	9.1	3:20 PM	6.8	8:53 AM	-1.1	8:32 PM	2.4
	15	2:38 AM	9.1	3:52 PM	7.1	9:25 AM	-1.1	9:10 PM	2.2
	16	3:14 AM	8.9	4:22 PM	7.3	9:55 AM	-1.0	9:47 PM	2.0
	17	3:49 AM	8.6	4:52 PM	7.4	10:25 AM	-0.8	10:25 PM	1.9
	18	4:23 AM	8.2	5:21 PM	7.5	10:53 AM	-0.4	11:03 PM	1.9
	19	4:58 AM	7.6	5:50 PM	7.5	11:21 AM	0.0	11:45 PM	1.9
	20	5:35 AM	6.9	6:21 PM	7.6	11:50 AM	0.6	:	
	21	6:17 AM	6.2	6:56 PM	7.6	0:30 AM	1.9	12:20 PM	1.2
	22	7:09 AM	5.5	7:38 PM	7.7	1:24 AM	1.8	12:55 PM	1.8
	23	8:20 AM	4.9	8:30 PM	7.8	2:29 AM	1.7	1:40 PM	2.4
	24	9:56 AM	4.6	9:34 PM	8.0	3:44 AM	1.4	2:41 PM	2.9
	25	11:28 AM	4.9	10:42 PM	8.4	4:59 AM	0.7	3:58 PM	3.1
	26	12:36 PM	5.4	11:46 PM	9.0	6:03 AM	-0.1	5:16 PM	3.0
	27	:		1:26 PM	6.1	6:56 AM	-0.9	6:24 PM	2.5
	28	0:44 AM	9.6	2:10 PM	6.9	7:43 AM	-1.6	7:23 PM	1.9
	29	1:37 AM	10.1	2:51 PM	7.6	8:27 AM	-2.1	8:16 PM	1.2
	30	2:28 AM	10.3	3:31 PM	8.3	9:09 AM	-2.3	9:08 PM	0.6
	31	3:17 AM	10.2	4:10 PM	8.8	9:49 AM	-2.1	9:59 PM	0.1
Aug.	1	4:06 AM	9.7	4:51 PM	9.1	10:29 AM	-1.6	10:50 PM	-0.1
	2	4:56 AM	8.9	5:32 PM	9.2	11:09 AM	-0.8	11:44 PM	0.0
	3	5:48 AM	7.9	6:16 PM	9.1	11:49 AM	0.0	:	
	4	6:46 AM	6.8	7:04 PM	8.8	0:42 AM	0.2	12:31 PM	1.0
	5	7:54 AM	5.8	7:59 PM	8.4	1:47 AM	0.5	1:18 PM	2.0
	6	9:20 AM	5.1	9:04 PM	8.1	3:03 AM	0.7	2:16 PM	2.8
	7	10:56 AM	5.0	10:15 PM	8.0	4:25 AM	0.7	3:31 PM	3.3
	8	12:13 PM	5.3	11:22 PM	8.0	5:39 AM	0.4	4:54 PM	3.4
	9	:		1:07 PM	5.8	6:36 AM	0.1	6:03 PM	3.1
	10	0:18 AM	8.3	1:47 PM	6.3	7:20 AM	-0.2	6:55 PM	2.7
	11	1:05 AM	8.5	2:19 PM	6.7	7:56 AM	-0.5	7:39 PM	2.3
	12	1:46 AM	8.7	2:49 PM	7.1	8:27 AM	-0.6	8:17 PM	1.8
	13	2:23 AM	8.8	3:16 PM	7.5	8:56 AM	-0.7	8:52 PM	1.5
	14	2:57 AM	8.7	3:43 PM	7.7	9:23 AM	-0.6	9:27 PM	1.2
	15	3:31 AM	8.4	4:09 PM	7.9	9:50 AM	-0.3	10:02 PM	1.0
	16	4:04 AM	8.0	4:35 PM	8.0	10:16 AM	0.0	10:37 PM	0.9
	17	4:37 AM	7.5	5:02 PM	8.1	10:42 AM	0.4	11:14 PM	0.9

-Continued-

Date		HIGH TIDE Time	HIGH TIDE Feet	HIGH TIDE Time	HIGH TIDE Feet	LOW TIDE Time	LOW TIDE Feet	LOW TIDE Time	LOW TIDE Feet
	18	5:13 AM	6.9	5:31 PM	8.1	11:09 AM	1.0	11:56 PM	1.0
	19	5:53 AM	6.2	6:04 PM	8.0	11:38 AM	1.6		
	20	6:42 AM	5.5	6:46 PM	7.9	0:45 AM	1.1	12:12 PM	2.2
	21	7:52 AM	4.9	7:42 PM	7.8	1:47 AM	1.2	12:58 PM	2.7
	22	9:32 AM	4.7	8:57 PM	7.8	3:05 AM	1.1	2 :07 PM	3.2
	23	11:08 AM	5.0	10:19 PM	8.1	4:28 AM	0.7	3 :40 PM	3.3
	24	12:12 PM	5.7	11:31 PM	8.7	5:37 AM	0.0	5 :08 PM	2.9
	25	:		12:59 PM	6.6	6:31 AM	-0.6	6 :17 PM	2.1
	26	0:33 AM	9.3	1:40 PM	7.5	7:18 AM	-1.2	7 :14 PM	1.1
	27	1:27 AM	9.8	2:19 PM	8.4	8:01 AM	-1.5	8 :06 PM	0.1
	28	2:18 AM	9.9	2:58 PM	9.1	8:41 AM	-1.6	8 :56 PM	-0.5
	29	3:07 AM	9.8	3:36 PM	9.6	9:20 AM	-1.3	9 :44 PM	-1.0
	30	3:55 AM	9.3	4:15 PM	9.8	9:59 AM	-0.7	10:32 PM	-1.1
	31	4:44 AM	8.5	4:55 PM	9.7	10:37 AM	-0.1	11:22 PM	-0.8
Sept.	1	5:34 AM	7.5	5:37 PM	9.3	11:17 AM	0.8	:	
	2	6:29 AM	6.5	6:24 PM	8.7	0:15 AM	-0.3	11:58 AM	1.7
	3	7:35 AM	5.7	7:18 PM	8.1	1:15 AM	0.2	12:45 PM	2.5
	4	9:00 AM	5.1	8:27 PM	7.5	2:27 AM	0.7	1:47 PM	3.2
	5	10:35 AM	5.1	9:48 PM	7.3	3:51 AM	1.0	3:14 PM	3.6
	6	11:48 AM	5.5	11:02 PM	7.4	5:08 AM	0.9	4:53 PM	3.5
	7	:		12:36 PM	6.0	6:05 AM	0.6	5:42 PM	3.0
	8	0:01 AM	7.6	1:11 PM	6.5	6:47 AM	0.3	6:44 PM	2.4
	9	0:48 AM	7.9	1:41 PM	7.1	7:22 AM	0.1	7:22 PM	1.7
	10	1:28 AM	8.1	2:08 PM	7.6	7:52 AM	0.0	7:58 PM	1.1
	11	2:05 AM	8.2	2:35 PM	8.0	8:20 AM	0.0	8:32 PM	0.6
	12	2:40 AM	8.2	3:00 PM	8.3	8:47 AM	0.1	9:05 PM	0.2
	13	3:13 AM	8.0	3:26 PM	8.5	9:13 AM	0.3	9:38 PM	0.0
	14	3:47 AM	7.7	3:52 PM	8.6	9:40 AM	0.7	10:12 PM	-0.1
	15	4:21 AM	7.3	4:19 PM	8.6	10:07 AM	1.1	10:49 PM	0.0
	16	4:58 AM	6.8	4:49 PM	8.5	10:35 AM	1.6	11:30 PM	0.1
	17	5:40 AM	6.2	5:24 PM	8.3	11:07 AM	2.1	:	
	18	6:32 AM	5.6	6:09 PM	8.1	0:18 AM	0.4	11:45 AM	2.6
	19	7:44 AM	5.1	7:10 PM	7.7	1:19 AM	0.7	12:38 PM	3.1
	20	9:18 AM	5.1	8:32 PM	7.6	2:34 AM	0.8	2:00 PM	3.4
	21	10:41 AM	5.6	10:02 PM	7.7	3:55 AM	0.6	3:41 PM	3.2
	22	11:40 AM	6.4	11:19 PM	8.1	5:04 AM	0.2	5:05 PM	2.4
	23	:		12:25 PM	7.3	5:59 AM	-0.1	6:11 PM	1.3
	24	0:23 AM	8.6	1:06 PM	8.3	6:47 AM	-0.4	7:06 PM	0.1
	25	1:18 AM	9.0	1:45 PM	9.1	7:30 AM	-0.6	7:55 PM	-0.8
	26	2:09 AM	9.1	2:24 PM	9.8	8:11 AM	-0.5	8:42 PM	-1.5
	27	2:57 AM	9.0	3:02 PM	10.1	8:50 AM	-0.1	9:28 PM	-1.8
	28	3:45 AM	8.6	3:41 PM	10.1	9:29 AM	0.3	10:14 PM	-1.8
	29	4:32 AM	7.9	4:20 PM	9.8	10:08 AM	0.9	11:00 PM	-1.4
	30	5:21 AM	7.2	5:02 PM	9.3	10:47 AM	1.6	11:49 PM	-0.7

Note: To correct tables for local areas add or subtract time for high and low tides and feet for high and low tides.

Note: X Multiply height of district tide by ratio to result, add given correction for total height correction.

-Continued-

Alaska Peninsula:	Time		Feet	
	High	Low	High	Low
Fox Bay, Kupreanof Peninsula	+0:22	+0:36	X0.89	X0.89
Dent Point, Stepovak Bay	+0:21	+0:36	X0.89	X0.89
Albatross Anchorage,				
Balboa Bay	+0:32	+0:43	X0.91	X0.91
Beaver Bay	+0:37	+0:42	X0.87	X0.87
Seal Cape, Coal Bay	+0:34	+0:45	X0.84	X0.84
Ukolnoi Island	+0:41	+0:40	X0.83	X0.83
Dolgoi Harbor, Dolgoi Island	+0:44	+0:40	X0.79	X0.79
Settlement Point, Pavlof Bay	+0:43	+0:48	X0.84	X0.84
Canoe Bay, Pavlof Bay	+1:36	+1:30	X0.76	X0.76
King Cove	+0:40	+0:42	X0.80	X0.80
Lenard Harbor, Cold Bay	+0:46	+0:57	X0.85	X0.85
Cold Bay	+0:49	+1:03	X0.84	X0.84
Morzhovoi Bay	+0:50	+0:43	X0.80	X0.80
Shumagin Islands				
Korovin Island (east side)	+0:26	+0:52	X0.92	X0.92
Sanborn Harbor, Nagai Island	+0:37	+0:37	X0.86	X0.86
Mist Harbor, Nagai Island	+0:35	+0:38	X0.83	X0.83
Pirate Cove, Popof Island	+0:42	+0:43	X0.88	X0.88
Sand Point, Popof Island	+0:30	+0:42	X0.87	X0.87
Zachary Bay, Unga Island	+0:34	+0:49	X0.88	X0.88
Sanak Islands				
Peterson Bay	+0:29	+0:32	X0.73	X0.73
Sanak Harbor	+0:48	+0:43	X0.78	X0.78
Unimak Island				
Dora Harbor	+0:49	+0:55	X0.77	X0.77
Ikatan Bay	+0:43	+0:45	X0.78	X0.78

APPENDIX D: METHOD FOR CALCULATING INDEXED TOTAL ESCAPEMENT

Appendix D.1. Method for calculating indexed total escapement.

Unusual circumstances may cause occasional deviation, but basically the methods of calculating estimated indexed total escapements without the use of a weir or tower are as follows:

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

The Caribou and David's River complex (including Coastal and other nearby lakes) is so massive a system for the size of its runs that complete surveys will probably never be done. The timing if such surveys would have to coincide with the peak of the South Peninsula pink and chum fisheries.

In the case of Ilnik, when a weir is not in place, numerous management surveys are done while the fishery is being managed for the Ilnik stocks. However, the peak surveys occur after the fishery has tapered off and most effort must be devoted to South Peninsula runs. However, Ilnik is a very important run and more effort is being made to accurately monitor it. The Ilnik sockeye run is of longer duration than the majority of unweired (or towered) North Peninsula sockeye streams. Ilnik sockeye also seem to have a shorter stream life than those in most other shallow water systems. Consequently, Ilnik requires at least two complete surveys or at least one complete survey with fish in the lower area during subsequent surveys being added to a peak count for the system. Many of the Ilnik figures listed in this publication are minimal.

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

EXAMPLE

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
Estimated Total	255,000	7,000	

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.

APPENDIX E: PERSONNEL LIST, 1992

Appendix E.1. Personnel list, 1992.

Employee	Title / PCN	Duties And Location
Arnie Shaul	FB III 11-1033	Alaska Peninsula (excluding Southeastern District) and Aleutian Islands Areas Salmon Management Biologist, Cold Bay.
Jim McCullough	FB III 11-1265	Southeastern District - Alaska Peninsula Area Salmon Management Biologist and Alaska Peninsula / Aleutian Islands Areas Herring Management Biologist, Sand Point.
Bob Murphy	FB II 11-1407	Alaska Peninsula Area Salmon Research and Management Biologist, Port Moller.
Bob Berceli	FB II 11-1833	Alaska Peninsula Area Assistant Salmon Management Biologist, Cold Bay.
Mark Stopha	FB II 11-1275	Alaska Peninsula Area Assistant Salmon Management Biologist, Sand Point.
Rod Campbell	FB II 11-1275	Alaska Peninsula Area Assistant Salmon Management Biologist, Sand Point, Atka.
Pat Holmes	FB II 11-1273	Finfish Biologist, Kodiak, Atka, Salmon Management.
Hal Terry	Pilot I 11-1415	Chief Pilot and Aircraft Mechanic, Cold Bay.
Randy Webber	Pilot I 11-1430	Pilot and Aircraft Mechanic, Chignik.
Sharon Thies	Clerk	Clerk Typist, Kodiak.
Steve Krueger	FB I 11-1911	Sapsuk River Weir, Salmon Management, King Cove, Salmon Research.
Brian Westgate	FT III 11-1966	Sapsuk River Weir, Salmon Management.
Chris Sundby	FB I 11-1428	Canoe Bay, Herring Management, Middle Lagoon Salmon Management.
Mark Weinberger	FB I 11-1352	Canoe Bay, Herring Management, Ilnik River Weir, Salmon Management, King Cove, Salmon Research.
Dan Miller	FT III 11-1416	Ilnik River Weir & Middle Lagoon, Salmon Management.
Kenyon Pope	FT III 11-1819	South Unimak Monitor and Canoe Bay, Salmon Management.
Jon Streifel	FT I M-240	Canoe Bay, Salmon Management.
Shawna Rudio	FT III 11-1604	Thin Point Cove, Salmon Management.
Laura Ashford	FT II 11-1959	Thin Point Cove, Salmon Management.
Judy Brandt	FB I 11-1434	Bear Lake Weir, Salmon Management.

-Continued-

Appendix E.1. (page 2 of 2)

Employee	Title / PCN	Duties And Location
Tim Clark	FT III 11-1826	Bear Lake Weir, Salmon Management.
Dan Thomas	FT III 11-1776	Ilnik River Weir, Salmon Management, King Cove, Salmon Research.
Kathy Hobart	FB I 11-1967	Port Moller, Salmon Research.
Meesha Mangiaracina	FT II 11-1953	Port Moller, Salmon Research.
Brenda Eliason	FT II 11-1482	Port Moller, Salmon Research.
Judy Hamik	FT III 11-1849	Sand Point, Salmon Management.
Matt Ford	FB I 11-1411	Orzenoi Weir, Salmon Management.
Justine Freeman	FT III 11-1957	Orzenoi Weir, Salmon Management.
Steve Reed	FT II 11-1467	Sand Point, King Cove, Salmon Research.
Moses Dirks	FT III 11-1828	Atka, Salmon Management.
Ronald Snigaroff	FT III B 274	Atka, Salmon Management.

APPENDIX F: DISTRIBUTION LIST OF 1992 ANNUAL MANAGEMENT REPORT

Appendix F.1. Distribution List, 1992.

Person/Organization	Location
Jeffery Koenings, Director of Commercial Fisheries Management and Development Division (CFMDD)	Anchorage
Paul Larson, Deputy Director CFMDD	Juneau
Bob Clasby, Deputy Director of Operations	Juneau
Doug Eggers, Chief Fisheries Scientist CFMDD	Juneau
Kevin Duffy, Planner, FRED Division	Juneau
Wayne Dolezal, Habitat Division	Anchorage
ADF&G Library	Anchorage
John Hilsinger, AYK Regional Supervisor	Anchorage
Ken Florey, Central Regional Suprevisor	Anchorage
Larry Nicholson, Westward Regional Supervisor	Kodiak
Pete Probasco, Westward Region Finfish Supervisor	Kodiak
Bruce Barrett, Salmon Research Biologist	Kodiak
Pat Holmes CFMDD	Kodiak
Dave Prokopowich CFMDD	Kodiak
CFMDD	Port Moller
CFMDD	Cold Bay
CFMDD	Sand Point
CFMDD	King Salmon
CFMDD	Dillingham
Kim Francisco CFMDD	Bethel
Mike Ward CFMDD	Dutch Harbor
Chignik CFMDD	Kodiak
Len Schwarz, Sport Fish Division	Kodiak
US Fish and Wildlife Service PO Box 127 Cold Bay, AK 99571	
US Fish and Wildlife Service King Salmon FAO PO Box 277 King Salmon, AK 99613	
US Fish and Wildlife Service, Adak PSC 486, Box 5251 FPO AP 96506-5251	
Concerned Area M Fishermen 407 Valley Avenue NE C-101 Puyallup, WA 98027	
Denby Lloyd Aleutians East Borough 1600 A Street Suite 103 Anchorage, AK 99501	
Peninsula Marketing Association PO Box 248 Sand Point, AK 99661	

-Continued-

Person/Organization	Location
Stepovak Set Netters Association Jim Brown Box 187 Sand Point, AK 99661	
Lance Nelson Attorney Generals Office 1031 West 4th Avenue Suite 200 Anchorage, AK 99501	
Dr. Don Rogers Fisheries Research Institute School of Fisheries WH-10 University of Washington Seattle, WA 98195	
David Osterback Sand Point Advisory Committee PO Box 144 Sand Point, AK 99661	
Don McCallum King Cove Advisory Committee PO Box 51 King Cove, Ak 99612	
Richard Rysewyk Nelson Lagoon Advisory Committee General Delivery Nelson Lagoon, Ak 99571 via: Cold Bay, AK	
Tom Hoblet False Pass Advisory Committee General Delivery False Pass, AK 99583	
Sinclair Wilt Dutch Harbor Advisory Committee Alyeska Seafoods, Inc. PO Box 275 Unalaska, Ak 99685	
Atka Fishermen's Association General Delivery Atka, Ak 99547	