

Fishery Management Report No. 05-30

**Chignik Management Area Annual Finfish
Management Report, 2001**

by

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and

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May 2005

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



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Division of Sport Fish, Research and Technical Services
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ABSTRACT

The 2001 Chignik commercial salmon fishery began on June 16 with the last reported landing on September 6. A total of 92 seine permits were fished in 2001. The total salmon harvest in the Chignik Management Area (CMA) included 2,939 Chinook *Oncorhynchus tshawytscha*, 1,511,587 sockeye *O. nerka*, 131,448 coho *O. kisutch*, 1,281,767 pink *O. gorbuscha*, and 199,003 chum salmon *O. keta*. The 2001 Chinook and coho salmon harvests were below forecasts, while sockeye, pink, and chum were above forecast. The exvessel value for all species of salmon harvested in the Chignik Management Area was \$8,270,657. Sockeye and Chinook salmon escapement goals were met for the Chignik Lakes system. The pink salmon escapement goals were met or exceeded in all districts of the CMA in 2001. The chum salmon escapement goals were met or exceeded in all districts of the CMA except one in 2001. Coho salmon escapement to all districts of the CMA was considered good for 2001. The subsistence fishery harvest in the CMA totaled 171 Chinook, 8,633 sockeye, 1,859 coho, 2,787 pink, and 213 chum salmon. There were 135 subsistence permits issued in 2001 of which 122 were completed and returned. The 2001 commercial harvest retained and not sold in the CMA totaled 90 Chinook, 217 sockeye, 7 coho, 7 pink, and 129 chum salmon.

Key words: Chignik, salmon, sockeye salmon, 2001 commercial fisheries management, harvest statistics, escapement statistics.

INTRODUCTION

The Chignik Management Area (CMA) includes all coastal waters and inland drainages of the northwest Gulf of Alaska between Kilokak Rocks and Kupreanof Point on the south side of the Alaska Peninsula (Figure 1). The CMA is bordered by the Alaska Peninsula Management Area to the west and the Kodiak Management Area to the east. The CMA includes approximately 110 salmon producing streams (Owen and Sarafin 1998).

The CMA is divided into five districts: the Eastern, Central, Chignik Bay, Western, and Perryville (Figure 2). These districts are further divided into sections and statistical reporting areas (Figure 3). The Alaska Department of Fish and Game (ADF&G), manages the commercial, sport, and subsistence fisheries within the CMA to achieve escapement goals while allowing for the harvest of fish that are surplus to spawning requirements.

Within the CMA, commercial salmon fishing is the economic mainstay for five villages: Chignik (Anchorage Bay), Chignik Lagoon, Chignik Lake, Perryville, and Ivanof Bay (Figure 2). Although shoreside-processing capacity is located in Anchorage Bay, permit holders and crewmembers reside in all five villages. Currently, these villages derive very little commerce from any sport fishery and sport fish harvests are minor.

The Chignik River watershed is the largest sockeye salmon *Oncorhynchus nerka* producer within the CMA (Figure 4). The Chignik River weir facility is located three miles from Chignik Lagoon and is the headquarters for all commercial salmon and herring management operations in the CMA. The weir was first installed in 1922, and is a 350' pile driven structure that spans the Chignik River.

Currently, almost all salmon are processed locally. Most sockeye salmon are processed for the fresh frozen market but new canning lines were utilized during 2001 to augment the fresh frozen market. To provide the quality required for both fresh frozen and canning markets, the fisheries were managed to harvest migrating fish prior to, or just as they reach terminal waters. With the re-introduction of canning facilities in the CMA, pink *O. gorbuscha* and chum salmon *O. keta* have become more important to the commercial fishers as the industry now has additional processing abilities.

This annual report adds to a report series dating back to 1922. This report provides a summary of commercial harvest, commercial harvest retain and not sold, subsistence salmon harvests, and escapements for the 2001 season in the CMA. Disparities between previously reported catch and escapement statistics and those presented here can be attributed to providing the most updated data available.

FISHERY DESCRIPTION

Five species of Pacific salmon are commercially harvested in the CMA: Chinook *O. tshawytscha*, sockeye, coho *O. kisutch*, pink, and chum salmon. Purse seines and hand purse seines are the only legal commercial gear allowed to harvest salmon within the CMA. Legal seine gear length varies from 100-125 fathoms in the Chignik Bay District to 100-225 fathoms in all other districts. In 2001, 92 of a total of 103 limited entry salmon permits were actively fished in the CMA (Table 1) with 85.9% of the permit holders claiming Alaska residency (Table 2). Closed water areas applicable to this year's commercial salmon fishing season are described in 5 AAC 15.350 (ADF&G 1999; Appendix A).

The CMA salmon harvest is divided into five categories. The most economically important category is the commercial harvest (Table 3). The remaining categories include salmon retained from the commercial catch and not sold and salmon harvested by the department test fisheries (Table 4). Salmon are also harvested for subsistence and sport fishery use, but these data will not be reported in this document.

Chinook Salmon

The Chignik River is the largest Chinook salmon producing system on the south side of the Alaska Peninsula (Owens and Sarafin 1998; Figure 4). Although there is no directed commercial Chinook salmon fishery within the CMA, Chinook salmon are harvested incidentally in a directed sockeye salmon fishery in Chignik Lagoon and in the outer districts. The Chinook salmon harvest and escapement occurs primarily during July and August with the peak occurring in mid-July. From 1960-2001, Chinook salmon runs (catch and escapement) have ranged from a low of 927 fish in 1974 to a high of 21,461 fish in 1993 (Table 5; Figure 5). The 2001 Chinook salmon run consisted of 5,877 fish (2,849 fish harvest and 3,028 fish escapement). This was 38% below the most recent 10-year (1991-2000) average run of 9,511 fish (Table 5). The large Chinook salmon harvests in 1992 and 1993 have inflated the 1991-2000 average.

Sockeye Salmon

The commercial salmon fishery targets two runs of sockeye salmon returning to the Chignik River watershed: the Black Lake (early run) and the Chignik Lake (late run). Most CMA sockeye salmon production originates from the Chignik River watershed, although sockeye salmon are present in low abundance in several other CMA streams. These include the Aniakchak River tributaries (Albert Johnson Creek) and Surprise Lake (Appendix B). Tagging studies conducted over several years in Aniakchak Bay and Cape Kumlik areas indicate that sockeye salmon harvested in these waters are predominantly bound for the Chignik River watershed (Lechner 1969). Consequently, the Eastern District commercial salmon harvest strategy is based on the strength of the sockeye salmon runs returning to the Chignik River watershed which opens concurrently with the commercial fishing periods in the Chignik Bay and Central Districts during June (5AAC 15.357; ADF&G 1999; Appendix A).

Sockeye salmon destined for the Chignik River watershed are also known to be harvested outside the CMA. The fishery east of the CMA takes place in the Cape Igvak Section of the Kodiak Management Area; (15% allocation through July 25; 5 AAC 18.360; ADF&G 1999; Figure 1). The fishery west of the CMA takes place in the Southeastern District Mainland (SEDM) of the Alaska Peninsula/Aluetian Islands Management Area (6% allocation through July 25; 5 AAC 09.360; ADF&G 2001; Figure 1). From the beginning of each fishery through July 25, 80% of the sockeye salmon harvested in the Cape Igvak Section of the Kodiak Management Area (5 AAC 18.360; ADF&G 1999), and 80% of the sockeye salmon harvested in most of the SEDM (5 AAC 09.360; ADF&G 2001) are considered, by regulation, to be Chignik-bound.

Commercial fishing time for sockeye salmon has been regulated based on achieving interim escapement objectives, by date, for two distinct sockeye salmon runs in the Chignik River watershed (Appendix B). Achieving these objectives is complicated by the run timing overlap of the two sockeye runs. The transition from early run (Black Lake) to late run (Chignik Lake) fish generally occurs between June 26 through mid July (Pappas 2001a). Department biologists assess age and stock composition of the commercial or test fishery catch to estimate which stock is dominant at various times during this period. Catch sampling efforts increase from once a week to every third day during the transition period to assess the changing age and stock composition. Subsequent to sampling results, fishing time may be increased to harvest early-run fish or may be decreased to allow time for evaluating the late run strength.

Two methods have been used historically to estimate the daily proportion of each run during the transition period. The first is based on tagging studies conducted from 1962-1966 (Dahlberg 1968). These studies allowed fisheries biologists to develop an average time of entry (ATOE) curve to apportion the two Chignik sockeye salmon runs into the early and late-run components. The second method, currently in use, is based on differential growth between juvenile salmon rearing in Black and Chignik Lakes (Burgner and Marshall 1974, Conrad 1983). Sockeye salmon fry rearing in Black Lake (early run) emerge earlier and grow at a faster rate than fry rearing in Chignik Lake (late run; Narver 1966). The disparity in growth rates between Black and Chignik Lakes juvenile salmon is reflected in their scale patterns, which provides a means to separate adult salmon returning to Black Lake from those bound for Chignik Lake (Table 6). Scale pattern analysis (SPA) is currently used both inseason and postseason to partition sockeye salmon catch and escapement to stock of origin (e.g., Black Lake early run or Chignik Lake late run). All scale age data is recorded in European notation (e.g., 1.2) where the first number indicates the number of years the juvenile salmon reared in fresh water and the second number indicates the number of years the salmon lived in a saltwater environment (Table 6; Koo 1962). The total age of the fish includes an additional winter representing the time between egg deposition and fry emergence. Spawning distribution of the sockeye salmon escapement within the Chignik River watershed is documented by aerial surveys, which have been conducted almost every year since 1960 (Appendix C).

Since 1954, the sockeye salmon runs (including CMA escapement and catches in the CMA, Cape Igvak, and most of the SEDM through July 25) have ranged from a low of 554,431 fish in 1954, to a high of 4,462,235 fish in 1999 (Table 7; Figure 6). The 1991-2000 average run (Chignik and Black Lake) of 2,816,349 fish has shown a slight increase in production from the previous 10-years (1981-1990; Table 7). Comparing stocks based on postseason SPA, the Black Lake sockeye salmon run has increased by 7,214 salmon from the 1981-1990 average of 1,619,791 to the 1991-2000 average of 1,627,005 fish (Table 7). Chignik Lake sockeye salmon

stock has also increased 24,825 fish from the 1981–1990 average of 1,164,520 fish to the 1991–2000 average of 1,189,345 fish (Table 7).

Coho Salmon

Coho salmon are harvested incidentally in the directed sockeye, pink, and chum salmon fisheries throughout the season. Coho salmon commercial catches begin as early as June and have generally continued until commercial fishing ceased or commercial fishing closed, by regulation, on October 31. The commercial harvest of coho salmon usually shifts from the outside districts to the Chignik Bay District as the season progresses (Figures 7 and 8).

Since 1997, commercial fishing has been closed after August 20 in both the Western and Perryville Districts to facilitate coho salmon restoration efforts in the Kametook River. This closure may have reduced the commercial coho catch by as much as 20% as predicted from the average daily catch in the Western District from 1987–1996 (Owen and Sarafin 1998). Perryville District coho catches are also expected to remain below historic levels because Kupreanof Point has been closed to commercial salmon fishing since 1998 (5 ACC 15.350; ADF&G 2001). Total CMA commercial coho salmon catches for the years 1960–2001 have ranged from 1,292 fish in 1962, to 370,420 fish in 1988 with an overall trend of increasing catches since 1960. CMA coho salmon catches have declined since 1996 and are currently below the recent 10-year average (Table 3; Figure 9).

Peak timing for commercial coho salmon harvest differs when comparing offshore cape and inshore bay fisheries. Peak commercial coho salmon harvest in cape fisheries occur in late July, while peak inshore commercial harvest occur in late August to early September (Figures 7 and 8).

The Chignik River watershed coho salmon run is the largest within the CMA and one of the largest within the Westward Region 9 (Pappas 2001a.). Since 1996, the coho salmon escapement has been estimated by weir counts prior to weir removal. Historically, estimates for coho salmon that migrate into the Chignik River after the weir is removed were generated from the relationship between coho salmon catch and escapement prior to weir removal. ADF&G did not generate a post-weir escapement estimate for coho salmon during 2001 because of the lack of commercial fishing activity after August 31 and no weir counts were available after August 20. Other areas of high coho salmon abundance within the CMA include Ivanof Bay of the Perryville District, Ivan River in the Western District, and several streams in the Eastern District (Figures 2 and 3). Overall, coho salmon escapement monitoring via aerial surveys in the CMA is sporadic because of coho salmon's late timing, logistics involved in monitoring the many streams in the area, and deteriorating weather conditions associated with the fall season.

Pink and Chum Salmon

Pink and chum salmon production in the CMA has been characterized by variable escapements and catches and a recent overall trend of increasing runs (Tables 8–19; Figures 10 and 11; Appendix C). The variability in the escapements can be, at least in part, attributed to the physical morphology of the river and stream systems, which are characterized by unconsolidated substrates and steep gradients. These systems are impacted by floods that may cause streambed scouring, and may result in high egg and fry mortality (A. Shaul and P. Holmes, personal communication). The variability in harvests are also impacted by market conditions.

Management of the CMA pink and chum salmon fisheries is based on inseason aerial assessment of escapements conducted annually since 1953 (Appendix C) and catch per unit effort (CPUE)

data. Regularly flown aerial surveys of streams, adjacent bays, and stream mouths provide inseason escapement estimates. Pink and chum salmon escapement goals were established on a district basis due to the variability of individual runs and the difficulty of managing fisheries on a stream-by-stream basis (Nelson and Lloyd 2001). Additionally, commercial test fisheries have been used to assess stock strength prior to the entry of pink and chum salmon into bays or streams.

June commercial fisheries in the Chignik Bay, Central, and Eastern districts are based primarily on the run strength of sockeye salmon bound for the Chignik River watershed. Pink and chum salmon are caught incidentally in low numbers during this period. The commercial salmon fisheries in the Western and Perryville districts are closed by regulation during June (5 ACC 15.357; ADF&G 1999; Appendix A).

During July, August, and September in the Chignik Bay and Central districts, commercial fishing periods are based primarily on Chignik Lake sockeye salmon run strength. Fishing periods from early July through August in the Eastern, Western, and Perryville districts depend primarily on the local abundance of pink and chum salmon and on Chignik Lake sockeye salmon run strength. The largest pink and chum salmon harvests come primarily from the Central, Western, and Perryville districts (Tables 11-19). Typically by August 20, over 98% of the pink and 94% of the chum salmon have been harvested (Owen and Sarafin 1998). Since 1960, pink salmon catches have ranged from 25,444 in 1973 to 2,997,159 in 1988 (Table 8). Average pink catch and escapement has generally increased since the 1970s (Figure 9). Since 1960 chum salmon catches have ranged from 8,701 in 1973 to 580,332 in 1981 (Table 9). Average chum catch and escapement has also generally increased since the 1970s (Figure 11; excluding 1989 oil spill year when commercial fishing was restricted to the Chignik Lagoon).

2001 FORECAST

The 2001 commercial salmon harvest (all species) in the CMA harvests for all salmon species combined was 20% lower than the preseason harvest forecasts. The Chinook salmon harvest was 26% less than the forecast, the sockeye salmon harvest was 32% greater than the forecast, the coho salmon harvest was 29% less than the forecast, the pink salmon harvest was 19% greater than the forecast, and the chum salmon harvest was 7% greater than the forecast (Table 3; Appendices D.1-D.2).

CHINOOK SALMON

The 2001 Chinook salmon harvest projection was estimated at 3,700 salmon, based on the 1994 through 2000 average harvest (Appendix D.1). Normally, the most recent 10-year average is used for forecasting but the high Chinook harvests in 1992 and 1993 were excluded from the 2001 harvest projection. The commercial Chinook salmon harvests are generally dependent upon the amount of fishing time that occurs within the Chignik Lagoon during July sockeye salmon fishery. Chinook salmon are often retained (but not sold) from the commercial salmon harvest.

SOCKEYE SALMON

The forecasts for Black and Chignik Lakes 2001 runs were based on simple linear regressions between sibling relationships or median values of returns for brood years since 1977. Significant sibling regression relationships ($p < 0.25$) and standard regression analysis diagnostic techniques were used to estimate Black Lake ages 0.3, 1.3 and 2.3 and Chignik Lake ages 1.2, 1.3, 1.4, 2.2,

and 2.4 runs. For age classes where no significant sibling regression relationships existed, the potential abundance was estimated by the median value of that age class. The individual age class estimates and their variances were summed and 80% prediction intervals were calculated for each run.

The 2001 sockeye salmon run to the Chignik River was expected to be about 1.9 million fish. The early run was expected to total approximately 1 million sockeye salmon, and the late run was expected to total approximately 900,000 sockeye salmon (Appendix D.1).

COHO SALMON

Coho salmon harvest projections for the CMA were based the most recent 10-year average (1991-2000). The 2001 coho salmon harvest forecast was 185,000 fish (Appendix D.1). Coho salmon harvests are influenced by the duration and number of fishing periods directed toward harvesting sockeye, pink, or chum salmon.

PINK AND CHUM SALMON

The 2001 harvest forecasts estimated a catch of 1,080,000 pink salmon and 186,000 chum salmon (Appendix D.1). The pink and chum salmon forecasts were based on the average harvest over the most recent 10-year period. Historically, the majority of the pink and chum salmon harvests comes from the Western and Perryville Districts (Tables 10-19).

OVERVIEW OF THE 2001 SALMON SEASON

COMMERCIAL CATCH

The 2001 CMA commercial salmon fishing season was characterized by a below average harvest of Chinook, sockeye, and coho salmon and an above average commercial harvest of pink and chum salmon (Table 3). There were 1,511,587 sockeye salmon harvested in the CMA during 2001 whereas the previous 10-year average (1991-2000) was 1,688,841 fish (Table 3). The 2001 CMA sockeye salmon harvest was approximately 478,000 fish above the forecasted harvest (Appendices D.1 and D.2).

The first commercial salmon fishing period began on June 14 (Appendix E), but a strike postponed fishing by the entire fleet until July 2. While the fleet was negotiating prices with the two local processors (June 16-July 1), the Chignik Seiners Association (CSA) conducted “community harvests.” The goals of the community harvest fishing effort included: minimizing the ongoing excess escapement of the early sockeye salmon run during the extended price negotiations; provide financial assistance (food, fuel, insurance); and to offset costs associated with the operation of the CSA and the community harvest. This cooperative harvest involved 5-7 CMA Commercial Fisheries Entry Commission (CFEC) permit holders fishing for the entire fleet. The salmon from the community harvest was purchased by Kodiak processors. The community harvest efforts took place on eight days and daily harvests ranged from 4,223 to 43,093 salmon (Table 20). The total CSA community harvest, during the strike, was 176,005 sockeye salmon worth over \$800,000 and took place in the Chignik Bay District.

From June 14-22, the commercial fishery was extended for 24-hour increments as the strike continued. When the Black Lake sockeye salmon escapement exceeded the upper limit of the escapement goal (400,000 fish) on June 22 the fishery was extended until further notice. On July 2, the price dispute was settled and commercial fishing began at 2:00 PM. Overall, the 2001

season provided 82 days of fishing with closures lasting up to four days in length later in the season (Appendices E and F).

Because of the price dispute, all Chignik River watershed sockeye salmon interim escapement objectives were surpassed during the months of June and July. During the majority of the 2001 commercial salmon fishing season, waters within the Chignik Lagoon were open to the Mensis Point markers, which are located in the mouth of the Chignik River. This management action allowed for greater opportunity to harvest salmon migrating up the Chignik River.

Throughout most of the season, the Central and Chignik Bay Districts were opened concurrently (Appendices E and F). From June 14 to June 27 and again from July 7 to July 11, the Eastern District was opened concurrently with the Chignik Bay District. The Eastern District was closed during most of the transition period between the early and the late runs to evaluate the strength of the late run. The Chignik Bay and Central Districts were open to fishing during the transition period because the early-run sockeye salmon escapement had far surpassed the escapement goal due to the strike.

The first commercial fishing period in the Western and Perryville Districts started on July 28 as a commercial test fishery. This commercial test fishery provided an index of pink and chum salmon abundance. As the season progressed, commercial fishing periods were warranted as pink and chum salmon escapement objectives were met. A total of five commercial test fisheries and directed fisheries occurred in the Western and Perryville Districts of the CMA during 2001. The last commercial fishing period in the Western and Perryville Districts ended on August 18 (Appendix E). Regulations that close commercial fishing in the Western and Perryville Districts on, or about, August 20 were not utilized in 2001 because the districts closed on August 18 (5 AAC 15.357; ADF&G 1999; Appendix A).

The total 2001 commercial salmon harvest (all species) in the CMA of 3,126,294 salmon (Table 20), was purchased by eight processors (Table 21). This was approximately equal to the 1991-2000 average catch of 3,147,862 fish (Table 3; Figure 9).

EXVESSEL VALUE

The exvessel value of the 2001 commercial salmon harvest was \$8,270,657, which was \$4,238,793 below than the 1991-2000 average exvessel value of \$12,509,450 (Table 22; Figures 12-13). The average exvessel value per active permit for the 2001 season was \$89,898, which is \$38,594 less than the 1991-2000 average of \$128,492 (Table 22; Figure 13). The exvessel value of the CMA Chinook salmon harvest was \$12,205 and the average value per active permit holder was \$133 (Table 22; Figure 12). The exvessel value of the CMA sockeye salmon harvest was \$7,419,339 and the average value per active permit holder was \$80,645. The exvessel value of the CMA coho salmon harvest was \$263,160 and the average value per active permit holder was \$2,860. The exvessel value of the CMA pink salmon harvest was \$366,714 and the average value per active permit holder was \$3,986. The exvessel value of the CMA chum salmon harvest was \$209,239 and the average value per active permit holder was \$2,274.

2001 MANAGEMENT AND HARVEST

Chinook Salmon

The commercial Chinook salmon harvest occurred from June 20 to August 31, with a peak harvest of 289 fish on July 9 (Table 20). A total of 1,146 Chinook salmon were harvested in the

Chignik Bay District during 2001 which represents 40% of Chinook salmon harvested in the CMA in 2001 (Table 23; Appendix F).

Sockeye Salmon

Chronology for June and Early July Chignik Commercial Fishery.

Commercial salmon fishing may be allowed in the Chignik Bay and Central Districts if the cumulative sockeye salmon escapement exceeds the interim objective of 40,000 fish on June 12 (Appendices A and B), and is accompanied by a strong build-up of sockeye salmon within Chignik Lagoon (5AAC 15.357; ADF&G 1999).

The escapement on June 8 exceeded the June 12 interim escapement objective of 40,000 sockeye salmon (Table 24). Department test fisheries were conducted on June 6, 9, and 11 did not indicate a substantial build-up of sockeye salmon in the Chignik Lagoon. Test fishery results from June 13 indicated the presence of a build-up of salmon in the Chignik Lagoon; thus, the Chignik Bay, Central, and Eastern Districts opened concurrently to commercial fishing on June 14 (Appendices E, E, and G). The sockeye salmon cumulative escapement of 125,739 fish on June 13 exceeded the June 18 lower interim escapement objective of 125,000 (Table 24; Appendix B). The escapement continued to increase through June 21 due to the minimal commercial fishing activity (price dispute). Fishery extensions were announced daily through June 21 because all escapement objectives were surpassed. Fishing periods in the Chignik Bay, Central, and Eastern Districts were extended until further notice on June 22 because the June escapement objective had been exceeded. The Eastern District was closed to commercial fishing in June while the department judged the strength of the Chignik late sockeye salmon run (5 ACC 15.357; ADF&G 1999). The June 30 sockeye salmon cumulative escapement through the weir was 717,534 fish which exceeded the June upper interim escapement objective of 400,000 fish (Table 24; Appendix B).

Sockeye salmon escapement levels into the Chignik River watershed resulted in additional commercial fishing periods during the transition period. The July 2 late-run cumulative sockeye salmon escapement through the weir, as determined by inseason SPA, was 77,809 fish (Table 25). This exceeded the July 14 escapement objective of 75,000 fish, thus the Chignik Bay and Central Districts remained open to commercial fishing until July 14 (Appendices B, E, F, and G). The Eastern District opened to commercial fishing for 48 hours on July 7 and the fishing period was extended an additional 48 hours because the department determined that the late run sockeye salmon run had surpassed interim escapement objectives.

Chronology for the Late Season Fishery.

After July 15, through the end of the season, the management priority shifted towards achieving escapement objectives for the late run stock. The entire CMA closed to commercial fishing from July 14 until July 25 in order to achieve interim escapement objectives (Appendices B and G).

From July 14 through July 25, sockeye salmon escapements met escapement objectives but did not indicate a harvestable surplus. On July 25, a total of 191,118 Chignik Lake sockeye salmon had passed the weir which exceeded the July 26 upper late-run escapement objective of 180,000 fish (Table 25; Appendix B). This increase in escapement warranted a fishery in the Chignik Bay and Central Districts on July 26 for 48 hours which was subsequently extended for an additional 86 hours. The Eastern, Western, and Perryville Districts were opened concurrent to this fishing period on test fishery basis to assess the pink and chum salmon run strength. Good results from the test fishery warranted a fishing period targeting pink and chum salmon in the Western

District for 40 hours on July 30-31. The Eastern and Perryville Districts opened concurrently on a test fishery basis for 40 hours on July 30-31 (Appendix E and G).

On August 1, an estimated 210,672 Chignik Lake sockeye salmon had passed the weir which exceeding the July 1 to August 31 lower interim escapement goal of 200,000 fish (Table 25; Appendix B). The entire CMA opened to commercial fishing for 52 hours on August 4 (Appendices E and G). Good results from the previous commercial test fisheries warranted directed fisheries in the Eastern, Western, and Perryville Districts targeting pink and chum salmon. Fishing periods in the Chignik Bay and Central Districts were subsequently extended for 96 hours and the fishing period in the Eastern, Western, and Perryville Districts was extended for 48 hours (Appendices G).

On August 15, the estimated cumulative Chignik Lake sockeye salmon escapement was 253,135 fish which exceeded the August 31 upper escapement goal of 250,000 fish (Table 25; Appendix B). As a result of achieving the late run escapement goal, a 100-hour fishing period in the Chignik Bay and Central Districts began on August 16 and was subsequently extended for the remainder of August (Appendices E and G).

Aerial surveys of the CMA streams indicted that pink and chum salmon escapements were on track to meet escapement objectives (Appendix B). Two additional fishing periods targeting pink and chum salmon in the Eastern, Western, Perryville Districts took place beginning on August 11 for 60 hours and again on August 16 for 58 hours (Appendix G).

Though salmon surplus to escapement needs were available for harvest, local processors ceased buying salmon the last week of August due to deteriorating market conditions. The Chignik Bay and Central Districts were opened on a 12-hour per day schedule from September 2–14. Four additional 12-hour fishing periods were announced for September 15-19. No commercial fishing activity took place in the CMA after September 6 (Table 21; Appendix E).

Cape Igvak Sockeye Salmon Fishery.

The Cape Igvak salmon fishery, located in the Kodiak Management Area, is allocated 15 percent of the available Chignik harvest when specific biological and harvest criteria are met in Chignik (5 AAC 18.360; ADF&G 1999; Appendix A). In order to comply with the biological (achieving escapement objectives for the Chignik River watershed) and allocation requirements (minimum harvest levels in Chignik assured), fishing was allowed for a total of 8 days in 2001. The Cape Igvak fishery harvested an estimated 215,214 Chignik-bound sockeye salmon through July 25 (Table 26), which represented 14.96% of the total Chignik sockeye salmon harvest through July 25.

Southeastern District Mainland Sockeye Salmon Fishery.

The Southeastern District Mainland fishery harvested an estimated 79,037 Chignik bound sockeye salmon through July 25 (Table 26). This represents 5.5% of the total Chignik sockeye salmon harvest through July 25. The 2001 Southeastern District Mainland sockeye salmon harvest was 0.5% less than the 6.0% allocation (5 AAC 09.360; ADF&G 2001).

Scale Pattern Analysis of Chignik Sockeye Salmon.

Stock composition was determined by inseason scale pattern analysis (SPA), a average time of entry curve, and age composition data (Tables 26-30; Figures 14 and 15; Witteveen 2002).

During 2001, the 50% run transition occurred on approximately July 15 (of those fish modeled on July 15 50% were attributed to early run and 50% to late run stock; Table 31).

Postseason SPA was used to assign sockeye salmon to early run or late run. Linear interpolations of the stock composition between sample dates were calculated for catch and escapement values and adjusted to Chignik Lagoon dates resulting in daily escapement and catch estimates for each stock (Tables 28 and 29; Witteveen 2002).

The 2001 early-run sockeye salmon postseason escapement estimate, based on SPA, of 744,013 was 82,639 fish less than the inseason estimate of 826,652 (Tables 25 and 31) and 426,652 fish greater than the early-run escapement goal upper limit of 400,000 fish (Witteveen 2002). The age classes contributing to the escapement and catch of each run are listed in Tables 31-33.

The 2001 late-run sockeye salmon postseason escapement estimate (through September 5), based on SPA, of 392,905 was 82,639 fish more than the inseason estimate of 310,266 (Tables 25 and 33) and 142,905 fish greater than the late-run escapement goal upper limit of 250,000 fish (Witteveen 2002). The late-run escapement estimates only include salmon estimated through to have escaped through August 31. September postweir estimates were not generated because of the absence of fishing activity during the month of September and the loss of the weir due to high water on August 20. Age classes as determined by SPA contributing to the escapement and catch of the early run are listed in Tables 33 and 34.

Coho Salmon

In the CMA, 131,448 coho salmon were commercially harvested during the 2001 season (Table 3). The largest coho salmon harvests came from the Western District with a total harvest of 86,580 salmon (Table 23). The Mitrofanina Section (statistical areas 273-72, 2073-70, and 273-74) in the Western District produced the largest harvest of coho salmon in the CMA during 2001 (46,313 fish; Figure 3; Appendix F.). The largest daily catch of 16,147 coho salmon occurred on July 31 (Table 20).

Pink and Chum Salmon

During June and July, pink and chum salmon were caught incidentally in commercial openings in the Chignik Bay and Central Districts directed towards the harvest of sockeye salmon. A combined total of five commercial test fisheries and directed fisheries targeting pink and chum salmon took place in 2001 (Appendix E and F). On July 25 a 13-hour terminal fishery targeting watermarked chum salmon took place within the Ivanof Bay Section (statistical area 275-50) of the Perryville District because aerial surveys indicated a surplus of chum salmon was available for harvest (Figure 3; Appendix E and F).

In the CMA, 1,281,767 pink salmon were commercially harvested during the 2001 season (Table 3). The largest pink salmon harvests came from the Central District with a total harvest of 641,438 fish (Table 23). In the Central District the Outer Chignik Bay Section (statistical areas 272-20, 272-30, and 272-40) produced the largest harvests (324,556 fish; Table 23; Figure 3). The largest daily catch of 137,494 pink salmon occurred on July 27 (Table 20).

The 2001 CMA chum salmon commercial harvest was 199,003 fish (Table 3; Figure 11). The largest chum salmon harvests came from the Central District (84,004 fish; Table 23). In the Central District the Outer Chignik Bay Section produced the largest harvests (40,683 fish;

statistical areas 272-20, 272-30, and 272-40; Table 23; Figure 3). The largest daily catch of 22,450 chum salmon occurred on July 30 (Table 20).

DEPARTMENT TEST FISHERIES

Test fisheries are utilized to determine the abundance of salmon prior to the first commercial fishery, collect sockeye salmon scale samples for scale pattern analysis, and to generate revenue to pay for the vessels chartered to conduct the test fisheries. Mid to late-season department test fisheries are conducted to collect sockeye salmon scale samples during fishery closures, to generate revenue to conduct the test fisheries, and to offset operational costs associated with the scale sampling program.

Sockeye salmon scale samples were available periodically from CSA while the fleet was on strike from June 16 to July 1. The data generated from the limited harvest activities during the strike did not provide the department with sockeye salmon abundance information for the Chignik Lagoon. Because of the lack salmon abundance information, the department conducted additional test fisheries within the Chignik Lagoon to monitor the sockeye salmon run strength.

During 2001, the department conducted ten test fisheries within the Chignik Lagoon. A total of 4 Chinook salmon weighing 120 pounds and 14,011 sockeye salmon weighing 98,197 pounds were delivered during the department test fisheries (Table 4). All but one of the test fishery deliveries were alternated between the two Chignik shore-based processors. The harvest from one department test fishery was delivered to a tender which transported the fish to a Kodiak based processor during the industry price dispute.

SUBSISTANCE SALMON FISHERIES

The CMA villages of Chignik, Chignik Lake, Chignik Lagoon, Perryville, and Ivanof Bay rely heavily on local salmon resources for subsistence. Salmon subsistence permits are issued through the Kodiak and Chignik ADF&G offices, Village Public Safety Officers, processors, and by the ADF&G Subsistence Division. In 2001, a total of 122 of the 135 subsistence permits issued were returned with harvest data (Table 35). The ADF&G Subsistence Division estimates harvests using a stratified expansion model for each community. In 2001, the CMA subsistence harvest was an estimated 171 Chinook, 8,633 sockeye, 1,859 coho, 2,787 pink, and 213 chum salmon (Table 35). The 2001 subsistence harvest met the customary and traditional needs in the CMA (5ACC 01.446; ADF&G 1999).

This was the fifth year the native village of Perryville instituted self-imposed harvest restrictions on approximately half (upper reaches) of the Kametolook River during the coho salmon run. Jim McCullough, ADF&G biologist and co-principal investigator of the Kametolook Coho Salmon Restoration Project, was unable to estimate a total indexed count of coho salmon in the Kametolook River due to high muddy water levels. Coho salmon eggs were taken annually from 1998 through 2001 and placed in incubation boxes for coho salmon run restoration purposes (Scarborough and McCullough 2001).

COMMERCIAL CATCH RETAINED AND NOT SOLD

Starting in 1995 the Chignik permit holders have been required to record commercially harvested salmon retained and not sold that are generally used for personal consumption. There were a total

of 90 Chinook, 217 sockeye, 7 coho, 7 pink, and 129 chum salmon commercially harvested but not sold in the 2001 CMA commercial salmon fishery (Table 4).

2001 CHIGNIK MANAGEMENT AREA ESCAPEMENT

Underwater video cameras at the Chignik weir recorded all fish passing through two fish counting gates in the weir (Figure 4). Live feeds from the underwater cameras were displayed on video monitors inside the weir office and were archived on VHS videotapes. From 7:00 AM until 10:00 PM, weir personnel identified and enumerated all fish that passed the video cameras during the first ten minutes of each hour. To obtain fish counts from 10:00 PM until 7:00 AM, each morning weir personnel reviewed the first ten minutes of each recorded hour of videotape. The ten-minute counts were extrapolated by multiplying by six to provide an estimate of all fish (by species) passing through the weir during each hour. To ensure that the weir remains fish tight until removal, staff performed maintenance dives using SCUBA gear on the weir to clean video cameras, repair damage, or to check erosion beneath the aluminum weir panels.

Since 1996, salmon have been enumerated later in the season than in any other period since the late 1950s. Funding for operation of the weir in late August and early September was made available through the Exxon Valdez Oil Spill Trustee Council (EVOS), Civil Settlement funds administered by the Department of Community and Regional Affairs.

CMA salmon escapement for all other streams was collected by aerial (Appendix C). Postseason escapement indices are estimated for each stream from the aerial observations using area-under-the-curve methods (Johnson and Barrett, 1988). The model assumes a 15-day average stream life for pink and chum salmon and a final stream entry date of September 15.

During 2001, fish were counted through the Chignik River weir from May 25 until August 19. On the morning of August 20, rain and winds in excess of 80 miles-per-hour caused aquatic plant debris to accumulate on the weir, in combination with the high water conditions, resulting in a 60 foot section of the weir being washed out. Because a large part the weir was lost so late in the season, the department decided not to reinstall the missing sections of the weir.

CHINOOK SALMON

The Chignik River watershed escapement goal range is 1,450 to 2,700 fish (Nelson and Lloyd 2001). To ensure the lower escapement goal is met, the department targeted a minimum escapement of 1,950 Chinook salmon to allow for a projected sport and subsistence harvest of 500 fish (Pappas 2001a).

The total 2001 Chinook salmon escapement through the Chignik weir was estimated at 3,028 fish (Table 36). This was 328 fish above the established upper escapement goal of 2,700 fish. Normally 50% of the Chinook escapement passes through the weir by July 11. During 2001, 50% of the Chinook escapement passed the weir by July 16 (Table 36).

SOCKEYE SALMON

The total sockeye salmon escapement for the CMA was estimated at 1,162,728 with 1,139,918 sockeye estimated in the Chignik Bay District and 22,655 sockeye salmon estimated in the Eastern District (Table 37). The estimated sockeye salmon escapement to the Chignik River system through August 31 was 1,136,918 fish, 486,918 over the season ending escapement goal of 650,000 sockeye salmon (Table 24; Appendix B). Aerial surveys of the Black Lake and Black

River tributaries are conducted annually to document the distribution of the salmon which have migrated through the weir and reached their respective spawning grounds (Tables 38 and 39).

During the period of time when the Chignik weir was inoperable (August 20-September 4), the majority of the sockeye salmon escapement was estimated by catch per unit effort ratios from the commercial fishing harvests.

COHO SALMON

A total of 97,928 coho salmon were estimated in CMA streams during 2001 (Table 37). These data is considered incomplete because of the reduced availability of department aircraft and weather necessary to conduct aerial surveys in September. Escapement goals for coho salmon in the CMA are not established because weather, stream turbidity, and budget constraints preclude adequate late fall surveys. During 2001, a few later than normal (late September) coho salmon aerial surveys were accomplished (Appendix C).

The Chignik River watershed coho salmon escapement estimate of 103 fish was from weir counts through August 19 (Table 40). The low total coho salmon escapement through the weir was the result of the weir blowing out on August 19. Historically, the majority of coho salmon pass through the weir during the last week of August and the first four days of September. Since 1996, an average of only 0.9% of the total coho salmon estimated escapement passed through the weir has been enumerated by August 19 (Watchers 2003). Postweir estimates using catch and escapement ratios prior to weir removal did not work 2001 due to the low numbers of coho salmon escaping through the weir coupled with the lack of commercial fishing activity after August 31.

PINK AND CHUM SALMON

The overall pink salmon run in the CMA was strong which provided opportunities for harvest (Table 40; Appendix F). However, these data may be incomplete because occasional storms left streams flooded and turbid, making surveying impossible at times. During the month of August, local weather produced daily 25-35 mile per hour winds in the Eastern District which restricted the opportunities for aerial surveys.

CMA aerial survey data indicated that the estimated total escapement (ETE; based on the area-under-the-curve method) for pink salmon was 2,363,484 fish, well above the escapement goal of 779,500 fish (Tables 8 and 37; Figure 10; Appendix B; Nelson and Lloyd 2001). Counts through the Chignik River weir resulted in escapement estimates of 1,464 pink salmon through August 19 (Table 40).

The 2001 pink salmon ETE in the Chignik Bay District was 19,684 salmon, which is less than the 1991-2000 average (Tables 10 and 37), but above the district escapement goal of 6,500 salmon (Nelson and Lloyd 2001). The ETE in the Central District was 460,400 salmon, which is greater than the 1991-2000 average (Tables 11 and 37) and well above the district escapement goal of 119,550 salmon (Nelson and Lloyd 2001). The pink salmon ETE in the Eastern District was 1,470,200, which is greater than the 1991-2000 average (Tables 12 and 37) and more than three times the district escapement goal of 488,000 salmon (Nelson and Lloyd 2001). The pink salmon ETE in the Western District was 263,000 salmon, which is more than the 1991-2000 average (Tables 13 and 37) and more than twice the district escapement goal of 104,000 salmon (Nelson and Lloyd 2001). The pink salmon ETE in the Perryville District was 150,200, which is less than the 1991-2000 average (Tables 16 and 37), and more than twice the district escapement goal of 61,500 salmon (Nelson and Lloyd 2001).

Aerial survey data indicated that the Chignik Area wide ETE for chum salmon was 550,794 fish, well above the escapement goal of 206,700 fish (Tables 9, 15-19, 37; Nelson and Lloyd, 2001). Like pink salmon, the chum salmon ETE was based on the area-under-the-curve method. A total of 550,794 chum salmon escaped to all districts, which is greater than the 1991-2000 average (Tables 9 and 37; Figure 11). Counts through the Chignik River weir resulted in escapement estimates of 66 chum salmon through August 19 (Table 40).

The 2001 chum salmon ETE in the Chignik Bay District was 4,066 salmon, which is less than the 1991-2000 average (Tables 15 and 37), but more than twice the district escapement goal of 2,000 salmon (Nelson and Lloyd 2001). The chum salmon ETE in the Central District was 36,500 salmon, which is less than the 1991-2000 average (Tables 16 and 37), but above the district escapement goal of 39,500 salmon (Nelson and Lloyd 2001). The chum salmon ETE in the Eastern District was 406,900, which is greater than the 1991-2000 average (Tables 17 and 37) and more than four times the district escapement goal of 93,700 salmon (Nelson and Lloyd 2001). The chum salmon ETE in the Western District was 35,500 salmon, which is more than the 1991-2000 average (Tables 18 and 37) and nearly three times the district escapement goal of 12,500 salmon (Nelson and Lloyd 2001). The chum salmon ETE in the Perryville District was 67,828, which is less than the 1991-2000 average (Tables 19 and 37), but still above the district escapement goal of 59,000 salmon (Nelson and Lloyd 2001).

SEASON SUMMARY

Overall, the 2001 CMA salmon season provided a total of 80 days open of fishing opportunity (Appendix E). Fifty percent of the sockeye salmon harvest of within the CMA occurred from June 14 through July 25.

Sockeye salmon harvests by district within the CMA were: 72% in Chignik Bay District, 25% in the Central District, 2% in the Eastern District, 1% in the Western District, and 0.1% in the Perryville District of the total commercial sockeye salmon harvest (Table 23). The harvest of Chignik-bound sockeye salmon through July 25 in the CMA was 1,143,990 (79.5% of the total), the Cape Igvak Section harvest was 215,214 fish (15.0% of the total), and the Southeastern District Mainland Area was 79,037 fish (5.5% of the total; Table 26).

The sockeye salmon harvested in the CMA were large during the 2001 season. The average weight per sockeye salmon in the Chignik Bay District for the 2001 season was 7.4 pounds as compared to the 1991-2000 average of 6.7 pounds (Table 41). The average size of the sockeye salmon harvested in all other districts of the CMA were also larger than the 1991-2000 average. The combined 1991-2000 average of all other districts of the CMA was 6.5 pounds while the 2001 average was 7.2 pounds (Table 41).

The sockeye salmon total run for Black Lake was 1,307,089 fish and for Chignik Lake was 1,607,308 fish (Tables 28, 29, and 42). Postseason analysis indicated the total escapement to both runs was 1,136,918 sockeye salmon with 744,013 apportioned to the early run and 392,905 apportioned to the late run (Tables 31, 33, and 42; Figure 16). Approximately 165,700 fewer sockeye were observed during aerial surveys of Black Lake tributaries salmon than were indicated by the inseason weir estimate through scale pattern analysis (Tables 25; Appendix C).

OTHER SPECIES (NON-COMMERCIAL)

This was the sixth year Dolly Varden were enumerated through the Chignik weir since state management began in 1960 (Table 43). A total of 6,416 Dolly Varden were counted through the

Chignik weir from May 26 until the weir was removed on August 20 (Table 43). Escapement was consistently higher in mid July as compared to any other time periods.

CHIGNIK HERRING FISHERIES

The earliest recorded Pacific herring *Clupea pallasii* fishery in the Alaska Peninsula region was in 1906. During the early herring fisheries, the Chignik area catch was combined with catches from North and South Peninsula areas and labeled as southwestern Alaska catches. During this period, annual herring catches did not exceed 500 tons for all three areas combined (Nicholson and O'Neill 1981). These herring were harvested with beach seines and marketed as a salted product. This early herring fishery ceased in the late 1930s and did not commence again until 1980, when a herring sac roe fishery developed (Pappas 2001b).

Since 1980, the CMA sac roe herring fishery has shown little effort and low yield. Prior to 1984, harvests were concentrated in the Big River Section of the Eastern District (Figure 3). This area was closed to commercial herring fishing in 1985 due to low herring abundance and has remained closed. Fishing pressure then shifted to other areas of the CMA but harvests remained low. The most recent herring harvest occurred in 1996 (Pappas 2001b). Current regulations pertaining to the herring fishery in the CMA are located in Appendix H.

Spawning schools of herring located in small geographic areas (generally a bay or lagoon), are managed as discrete stocks. The projected annual exploitation rate of each of these stocks is dependent on the previous year's biomass estimates (Pappas 2001b). Preseason harvest projections may differ from actual harvest levels if inseason information (aerial surveys, catch per unit effort) suggests that the spawning biomass of a discrete stock differs significantly from anticipated levels.

2001 MANAGEMENT AND HARVESTS

In 2001, a sac roe herring fishery did not occur due to lack of fishing interest. No herring biomass estimates were determined by the department due to budget constraints.

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TABLES AND FIGURES

Table 1.–List of permit holders who fished in the Chignik Management Area, 2001.

	Name on Permit		Permit Number	Alaska Residency	Vessel Name	ADF&G Number
1	ALEXANDER	JASON	S01L59000W	NR	CAPT'N JAY	21757
2	ANDERSON	AARON	S01L56203U	R	VENTURE	33848
3	ANDERSON	AL	S01L57160U	R	ALYSA JUNE	61634
4	ANDERSON	DAVID	S01L56415U	R	GYPSY LADY	61550
5	ANDERSON	DEAN	S01L60114M	R	SIERRA GALE	60913
6	ANDERSON	EUGENE	S01L60601G	R	RAY MAR	31492
7	ANDERSON	GARY	S01L57501K	R	JANET LYNNE	53370
8	ANDERSON	GEORGE	S01L57133E	R	ALICE A	33375
9	ANDERSON	JULIUS	S01L55433H	R	CHRISTINA J	41205
10	ANDERSON	RODNEY	S01L56936B	R	ENDURANCE	64123
11	ASTOR	CRAIG	S01L59794I	R	DREAMER	41317
12	BRANDAL	ALEC	S01L55170U	R	ALEXANDRIA	32586
13	BRANDAL	CLIFFORD	S01L50332L	R	TASHA	32433
14	BRANDAL	HENRY	S01L50032K	R	KERRI LYNN	36376
15	BROOKMAN	GLENN	S01L58578P	NR	ALEUTIAN STORM	23259
16	BUMPUS	DONALD	S01L61910L	R	KIMBERLY DAWN	59651
17	CAMERON	ROBERT	S01L58603C	NR	LAUNI C	37775
18	CAMPBELL	ANGUS	S01L55731X	NR	TORI-ANNA	58196
19	CARLSON	DALE	S01L57473V	R	LADY DIANE	43370
20	CARLSON	ERNEST	S01L57125P	R	DESPERADO	43775
21	CARLSON	EUGENE	S01L55520P	NR	LADY ANN	58085
22	CARLSON	GARY	S01L56192Z	R	AARON C	21898
23	CONSTANTINE	JOHNNY	S01L57808I	R	EDDIE LEE	7024
24	ERICKSON	CLARENCE	S01L56512B	R	SHARON LEE	57700
25	ERICKSON	RAYMOND	S01L62210Z	R	MIDNIGHT SUN	52774
26	GREGORIO	TONY	S01L58848X	R	ANTOINETTE RENA	37548
27	GRUNERT	CLEMENS	S01L64188M	R	ADVENTURESS	42335
28	GRUNERT	FRANK	S01L59851X	R	KURT ELDON	61416
29	GRUNERT	MICHEAL	S01L55935K	R	CAPT'N SAM	59482
30	HANSEN	RANDALL	S01L55954N	NR	MICKEY H	61758
31	HATCH	ARNE	S01L60183F	R	MISS MELODY	61676
32	HINDERER	RAECHEL	S01L57376O	R	ILLUSION	10567
33	HINDERER	WALLACE	S01L57085S	R	RAECHEL LOUISE	41592
34	HORN	DAVID	S01L55399O	R	ALYSA ANNE	31888
35	JOHNSON	PAUL	S01L56395S	NR	SUSAN RAE	35956
36	JONES	JOHN	S01L56589I	R	ZACHERY J	51091
37	JONES	MORRIS	S01L56405W	NR	ISLANDER	39275
38	KALMAKOFF	ARCHIE	S01L55361H	R	DESERT STORM	38122
39	KALMAKOFF	HARVEY	S01L50090M	R	OCEAN SPRAY	23636
40	KALMAKOFF	JOSEPH	S01L60614G	R	MISS PEGGY	21972
41	KASHEVAROF	WILLIAM	S01L57487N	R	CHRISTINE K	54242
42	KOPUN	ALOYS	S01L57863I	R	KAREY GALE	45995
43	KOPUN	AXEL	S01L57612J	R	MISS MARIT	35863
44	KOSBRUK	HARRY	S01L56726L	R	SAINT HERMAN	38528
45	KOSBRUK	IVAN	S01L50116R	R	JELLY ROLL	45720

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Table 1.—(page 2 of 2)

	Name on Permit		Permit Number	Alaska Residency	Vessel Name	ADF&G Number
46	KOSBRUK	PATRICK	S01L58206U	R	LADY EVELYN	43200
47	KULIN	STEPHEN	S01L60113U	R	KRITARKA	63151
48	LIND	ELLIOT	S01L56872O	R	LISA MARIE	35950
49	LIND	JOHNNY	S01L50223W	R	ALEUT SISTERS	38404
50	LIND	MITCHELL	S01L57384C	R	DESIDERATA	41160
51	LOUNSBURY	BRETT	S01L58322F	R	KARMA	31995
52	MCKILLY	GABRIEL	S01L59493O	R	DOROTHY M	32863
53	MERSHON	DANIEL	S01L61370V	R	MAGNUM	42629
54	MERSHON	JOSHUA	S01L58818F	R	WITNESS	57480
55	ODOMIN	NICK	S01L57696L	R	ELLA MAE	195
56	OGLE	LEONARD	S01L55311R	R	CHALLENGE	61706
57	OLSEN	GARRETT	S01L58496R	NR	ABSOLUT	21877
58	OLSEN	JEFFREY	S01L60115F	NR	DENAKA	118
59	OLSEN	KNUD	S01L56418W	NR	HEIDE LINEA	55822
60	ORLOFF	GEORGE	S01L59308M	R	MICHELLE LEE	35698
61	PEDERSEN	ALEC	S01L57695S	R	DIANA	51282
62	PEDERSEN	ALVIN	S01L55953V	R	MILLIE JO	37662
63	PEDERSEN	ARTHUR	S01L50123N	R	SONDRA	55545
64	PEDERSEN	AUGUST	S01L58126H	R	SHARON ANN	59642
65	PEDERSEN	HANS	S01L57171K	R	LAYLA MARIE	47736
66	PEDERSEN	KAISHA	S01L64187U	R	KAISHA LENAE	57465
67	PEDERSEN	STANLEY	S01L60121I	R	KAYLEE	5041
68	PLETNIKOFF	ROBERT	S01L58077F	R	CASTLE CAPE	39191
69	RIETVELD	DARYL	S01L57469C	NR	MISS OLIVIA	41758
70	ROSS	MALCOLM	S01L60106Z	R	SHADOWFAX	61997
71	ROWLAND	ROGER	S01L63976A	R	COMMITMENT	32320
72	SHANGIN	ANDY	S01L58145K	R	SHARON DAWN	39351
73	SHANGIN	CLEMENT	S01L56733H	R	MISS CLEMENTINE	38622
74	SHANGIN	DENNIS	S01L58178G	R	MIRANDA LEIGH	21899
75	SHANGIN	EDGAR	S01L57003B	R	MISS ANGELINA	49655
76	SHANGIN	RUSSELL	S01L52949G	R	AMBER NICOLE	56291
77	SHANGIN	STEPHEN	S01L57296B	R	BAY VIEW	21554
78	SIEMION	MATTHEW	S01L56992S	NR	SEA BREEZE	32361
79	SIEMION	THEODORE	S01L56322H	R	OUTSIDER	20453
80	SKONBERG	ARNOLD	S01L55477R	R	LEANNA JEAN	45060
81	SKONBERG	CALVIN	S01L56228C	R	ROSALIE	34184
82	SKONBERG	DARRELL	S01L55546P	R	ALASKA ROSE	33614
83	SKONBERG	RALPH	S01L50205L	R	PACIFIC MARIT	54974
84	SKONBERG	ROY	S01L58470R	R	AMY RAE	42210
85	STEPANOFF	ANDREW	S01L60144G	R	LAURA JUNE	28396
86	STEPANOFF	WALTER	S01L57091W	R	MIRACLE GIRL	36629
87	SUYDAM	GLENN	S01L59615J	R	ALEUT SON	53205
88	SUYDAM	LOWELL	S01L56680K	R	STELLOR	39962
89	TAKAK	RICHARD	S01L57035F	R	SEA WALKER	21707
90	VEERHUSEN	DANIEL	S01L57662X	R	SHADY LADY	67536
91	YAGIE	JERRY	S01L56797N	R	NORTHWIND	36296
92	YAGIE	MARVIN	S01L57278P	R	MAXINE	54909

Table 2.—Residency status of permit holders in the Chignik Management Area, 1966-2001.

Year	Resident		Non-Resident		Total Permits Fished
	Number	Percent	Number	Percent	
1966	65	89.0	8	11.0	73
1967	73	88.0	10	12.0	83
1968	59	88.1	8	11.9	67
1969	57	83.8	11	16.2	68
1970	57	82.6	12	17.4	69
1971	64	83.1	13	16.9	77
1972	62	78.5	17	21.5	79
1973	63	81.8	14	18.2	77
1974	79	84.0	15	16.0	94
1975	72	83.7	14	16.3	86
1976	66	85.7	11	14.3	77
1977	74	84.1	14	15.9	88
1978	82	86.3	13	13.7	95
1979	87	86.1	14	13.9	101
1980	87	86.1	14	13.9	101
1981	87	84.5	16	15.5	103
1982	89	84.8	16	15.2	105
1983	84	84.0	16	16.0	100
1984	84	83.2	17	16.8	101
1985	85	84.2	16	15.8	101
1986	87	87.0	13	13.0	100
1987	89	87.3	13	12.7	102
1988	88	86.3	14	13.7	102
1989	86	84.3	16	15.7	102
1990	85	84.2	16	15.8	101
1991	85	83.0	18	17.0	103
1992	84	84.0	17	17.0	101
1993	85	83.3	17	16.7	102
1994	82	82.8	17	17.2	99
1995	80	80.0	20	20.0	100
1996	80	80.0	20	20.0	100
1997	81	82.7	17	17.3	98
1998	70	82.4	15	17.6	85
1999	77	85.6	13	14.4	90
2000	85	85.9	14	14.1	99
2001	79	85.9	13	14.1	92
Averages					
1971-1980	74	83.9	14	16.1	88
1981-1990	86	85.0	15	15.0	102
1991-2000	81	83.0	17	17.1	98

Table 3.—Commercial salmon catches in the Chignik Management Area by species and year, 1960-2001.

Year	Number of Fish ^{a,b,c}					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1960	643	715,969	8,933	557,327	486,699	1,769,571
1961	409	322,890	3,088	443,510	178,760	948,657
1962	435	364,753	1,292	1,519,305	364,335	2,250,120
1963	1,744	408,606	9,933	1,662,363	112,697	2,195,343
1964	1,099	556,890	2,735	1,682,365	333,336	2,576,425
1965	1,592	599,553	9,602	1,118,158	120,589	1,849,494
1966	636	219,794	16,050	683,215	238,883	1,158,578
1967	882	462,000	13,150	108,981	75,543	660,556
1968	674	977,382	2,200	1,290,660	223,861	2,494,777
1969	3,448	394,135	18,103	1,779,736	67,721	2,263,143
1970	1,226	1,325,734	15,348	1,157,172	437,252	2,936,732
1971	2,010	1,016,136	14,557	612,290	353,952	1,998,945
1972	464	378,218	19,615	72,161	78,298	548,756
1973	525	870,354	22,322	25,472	8,717	927,390
1974	255	662,905	12,245	69,515	34,312	779,232
1975	549	399,593	53,283	66,165	25,161	544,751
1976	2,290	1,163,728	35,167	395,287	81,403	1,677,875
1977	710	1,972,207	17,430	604,806	110,452	2,705,605
1978	1,603	1,576,283	20,212	985,114	120,889	2,704,101
1979	1,253	1,049,691	99,129	1,905,198	188,907	3,244,178
1980	2,344	859,966	119,573	1,093,184	252,521	2,327,588
1981	2,694	1,839,469	78,805	1,162,613	580,332	3,663,913
1982	5,236	1,521,686	300,273	873,384	390,096	3,090,675
1983	5,488	1,824,175	61,927	321,178	159,412	2,372,180
1984	4,318	2,660,619	110,128	444,804	63,303	3,283,172
1985	1,888	922,151	191,188	160,128	22,806	1,298,161
1986	3,037	1,645,834	116,633	647,125	176,640	2,589,269
1987	2,651	1,898,838	150,414	246,775	127,261	2,425,939
1988	7,296	795,841	370,420	2,997,159	267,775	4,438,491
1989	3,542	1,159,287	68,233	27,712	1,624	1,260,398
1990	9,901	2,093,650	130,131	550,008	270,004	3,053,694
1991	3,157	1,895,665	165,625	1,169,248	261,096	3,494,791
1992	10,832	1,277,449	310,943	1,554,073	222,134	3,375,431
1993	19,515	1,697,351	229,459	1,648,377	122,360	3,717,062

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Table 3.—(page 2 of 2)

Year	Number of Fish ^{a,b,c}					
	Chinook	Sockeye	Coho	Pink	Chum	Total
1994	3,919	1,618,973	237,204	431,063	227,276	2,518,435
1995	5,493	1,724,045	281,518	2,057,998	380,954	4,450,008
1996	3,145	1,958,393	193,246	189,068	120,891	2,464,743
1997	3,120	770,347	90,908	844,431	155,905	1,864,711
1998	4,503	1,054,439	129,539	776,988	128,996	2,094,465
1999	3,507	3,116,527	89,610	1,698,651	140,597	5,048,892
2000	2,612	1,775,225	123,222	428,064	120,957	2,450,080
2001	2,939	1,511,587	131,448	1,281,767	199,003	3,126,744
Averages						
1961-1970	1,215	563,174	9,150	1,144,547	215,298	1,933,383
1971-1980	1,200	994,908	41,353	582,919	125,461	1,745,842
1981-1990	4,605	1,636,155	157,815	743,089	205,925	2,747,589
1991-2000	5,980	1,688,841	185,127	1,079,796	188,117	3,147,862

^a Includes salmon retained from the commercial harvest but not sold and the department's test fishery.

^b Does not include salmon caught for subsistence.

^c Does not include salmon caught at Cape Igvak or Southeastern District Mainland destined to Chignik.

Table 4.—Department test fishery and personal use harvest of salmon in the Chignik Management Area, 1994-2001.

Year	Chinook Salmon		Sockeye Salmon		Coho Salmon		Pink Salmon		Chum Salmon	
	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Department test fishery harvest by species and year in the Chignik Management Area.										
1994	16	245	9,139	54,433	103	506	14	55	521	3,437
1995	0	0	9,023	57,674	0	0	0	0	0	0
1996	0	0	4,317	36,511	0	0	0	0	0	0
1997	7	149	11,299	77,874	0	0	0	0	0	0
1998	21	450	12,374	66,040	0	0	0	0	0	0
1999	0	0	5,994	42,216	0	0	0	0	0	0
2000	0	0	11,604	88,790	0	0	0	0	0	0
2001	4	120	14,011	98,197	0	0	0	0	0	0
Salmon retained from the commercial harvest but not sold by species and year in the Chignik Management Area.										
Year	Chinook Salmon		Sockeye Salmon		Coho Salmon		Pink Salmon		Chum Salmon	
	Number	Pounds ^a	Number	Pounds ^a	Number	Pounds ^a	Number	Pounds ^a	Number	Pounds ^a
1994	0	0	0	0	0	0	0	0	0	0
1995	232	0	0	0	913	0	0	0	5	0
1996	40	0	40	0	20	0	5,262	0	21,100	0
1997	88	880	664	3,874	0	0	0	0	0	0
1998	108	960	267	0	27	0	0	0	155	0
1999	211	0	26	0	200	0	0	0	3	0
2000	20	56	0	0	0	0	0	0	0	0
2001	90	0	217	0	7	0	7	0	129	0

^a Total weight of salmon retained from the commercial harvest but not sold is not required to be reported by harvester.

Table 5.—Chignik River chinook salmon escapement, Chignik Management Area catch, and total run, 1960-2001.

Year	Escapement ^a	Catch ^b	Total Run
1960	-	643	N/A
1961	-	409	N/A
1962	-	435	N/A
1963	564	1,744	2,308
1964	914	1,099	2,013
1965	942	1,592	2,534
1966	822	636	1,458
1967	1,500	882	2,382
1968	1,000	674	1,674
1969	600	3,448	4,048
1970	2,500	1,226	3,726
1971	2,000	2,010	4,010
1972	1,500	464	1,964
1973	822	525	1,347
1974	672	255	927
1975	877	549	1,426
1976	700	2,290	2,990
1977	798	710	1,508
1978	1,197	1,603	2,800
1979	1,050	1,253	2,303
1980	876	2,344	3,220
1981	1,603	2,694	4,297
1982	2,412	5,236	7,648
1983	1,943	5,488	7,431
1984	5,806	4,318	10,124
1985	3,144	1,888	5,032
1986	3,612	3,037	6,649
1987	2,624	2,651	5,275
1988	4,868	7,296	12,164
1989	3,316	3,542	6,858
1990	4,364	9,901	14,265
1991	4,531	3,157	7,702
1992	3,806	10,832	14,638
1993	1,946	19,515	21,461
1994	2,963	3,919	6,935
1995	4,288	5,261	9,549
1996	3,488	3,105	6,593
1997	3,824	3,032	6,856
1998	3,075	4,395	7,470
1999	3,728	3,296	7,024
2000	4,285	2,592	6,877
2001	3,028	2,849	5,877
Averages			
1971-1980	1,049	1,200	2,250
1981-1990	3,369	4,605	7,974
1991-2000	3,593	5,910	9,511

^a No escapement adjustments are made for chinook salmon that spawn below the weir, or those removed by the sport fishery.

^b Does not include chinook salmon retained from the commercial harvest and not sold or listed on a subsistence permit.

Table 6.—Sockeye salmon age composition for Black Lake from scale samples collected at the Black Lake outlet, 2001.

Period		Ages							Total ^a	
		0.3	0.4	1.2	1.3	1.4	2.2	2.3		2.4
6/20/2001	Numbers	1	0	12	323	0	3	28	0	367
	Percent	0.0	0.0	3.0	88.0	0.0	1.0	8.0	0.0	
6/21/2001	Numbers	2	1	14	452	1	0	36	1	507
	Percent	0.0	0.0	3.0	89.0	0.0	0.0	7.0	0.0	
6/22/2001	Numbers	3	1	17	429	4	4	33	0	491
	Percent	1.0	0.0	3.0	87.0	1.0	1.0	7.0	0.0	
6/23/2001	Numbers	1	1	21	424	0	0	6	0	453
	Percent	0.0	0.0	5.0	94.0	0.0	0.0	1.0	0.0	
Total	Numbers	7	3	64	1,628	5	7	103	1	1,818
	Percent	0.4	0.2	3.5	89.5	0.3	0.4	5.7	0.1	

^a Percentages may not total to 100% due to errors in rounding.

Table 7.—Sockeye salmon escapement, catch, and total run for Black Lake, Chignik Lake, and combined runs 1954-2001.

Year	Escapement and Catch ^{a,b,c,f}								
	Black Lake			Chignik Lake			Combined		
	Escapement	Catch	Total	Escapement	Catch	Total	Escapement	Catch	Total
1954	184,953	72,334	257,287	277,912	19,232	297,144	462,865	91,566	554,431
1955	256,757	179,539	436,296	201,409	168,987	370,396	458,166	348,526	806,692
1956	289,096	246,442	535,538	483,024	421,251	904,275	772,120	667,693	1,439,813
1957	192,479	77,423	269,902	328,779	224,757	553,536	521,258	302,180	823,438
1958	120,862	141,180	262,042	212,594	179,949	392,543	333,456	321,129	654,585
1959	112,226	165,000	277,226	308,645	251,547	560,192	420,871	416,547	837,418
1960	251,567	274,048	525,615	357,230	418,356	775,586	608,797	692,404	1,301,201
1961	140,714	53,852	194,566	254,970	278,609	533,579	395,684	332,461	728,145
1962	167,602	71,562	239,164	324,860	292,528	617,388	492,462	364,090	856,552
1963	332,536	80,258	412,794	200,314	323,080	523,394	532,850	403,338	936,188
1964	137,073	142,380	279,453	166,625	472,510	639,135	303,698	614,890	918,588
1965	307,192	497,018	804,210	163,151	169,576	332,727	470,343	666,594	1,136,937
1966	383,545	87,169	470,714	183,525	162,638	346,163	567,070	249,807	816,877
1967	328,000	154,134	482,134	189,000	350,901	539,901	517,000	505,035	1,022,035
1968	342,343	542,598	884,941	244,836	641,693	886,529	587,179	1,184,291	1,771,470
1969	366,589	263,170	629,759	132,055	235,960	368,015	498,644	499,130	997,774
1970	536,257	1,566,065	2,102,322	119,952	262,244	382,196	656,209	1,828,309	2,484,518
1971	671,668	555,832	1,227,500	232,501	709,190	941,691	904,169	1,265,022	2,169,191
1972	326,320	43,220	369,540	231,270	386,615	617,885	557,590	429,835	987,425
1973 ^d	538,462	610,488	1,148,950	243,729	355,195	598,924	782,191	965,683	1,747,874
1974	364,603	204,722	569,325	313,343	648,283	961,626	677,946	853,005	1,530,951
1975	319,890	7,873	327,763	257,508	417,560	675,068	577,398	425,433	1,002,831
1976	548,953	599,341	1,148,293	281,810	727,043	1,008,854	830,763	1,326,384	2,157,147
1977	364,557	534,198	898,755	328,916	1,602,363	1,931,278	693,473	2,136,561	2,830,034
1978	419,732	940,188	1,359,919	262,815	885,173	1,147,988	682,547	1,825,361	2,507,908
1979	491,467	186,537	678,004	246,349	933,788	1,180,137	737,816	1,120,325	1,858,141
1980	369,580	73,742	443,322	294,481	849,980	1,144,461	664,061	923,722	1,587,783
1981	570,210	800,364	1,370,573	261,239	1,444,365	1,705,605	831,449	2,244,729	3,076,178
1982	616,117	1,325,041	1,941,158	305,193	451,789	756,982	921,310	1,776,830	2,698,140
1983	426,178	1,128,246	1,554,423	428,034	1,241,369	1,669,404	854,212	2,369,615	3,223,827
1984	597,713	2,919,984	3,517,697	267,861	613,075	880,936	865,574	3,533,059	4,398,633
1985	373,040	654,756	1,027,796	372,798	442,443	815,241	745,838	1,097,199	1,843,037
1986	557,772	1,364,295	1,922,067	215,547	587,561	803,108	773,319	1,951,856	2,725,175
1987	589,299	1,946,938	2,536,237	214,444	419,992	634,436	803,743	2,366,931	3,170,674
1988	420,580	272,074	692,654	255,177	554,304	809,481	675,757	826,379	1,502,136
1989	384,001	234,237	618,238	557,174	929,535	1,486,709	941,175	1,163,772	2,104,947
1990	434,550	582,520	1,017,070	335,860	1,747,435	2,083,295	770,410	2,329,955	3,100,365
1991	662,660	1,711,683	2,374,343	377,438	661,025	1,038,463	1,040,098	2,372,708	3,412,806
1992	360,681	746,341	1,107,022	403,755	777,311	1,181,066	764,436	1,523,652	2,288,088
1993	364,261	926,892	1,291,154	333,116	1,199,050	1,532,166	697,377	2,125,942	2,823,319
1994	769,465	1,595,176	2,364,641	197,444	416,377	613,821	966,909	2,011,553	2,978,462
1995	366,495	666,800	1,033,295	373,425	1,315,862	1,689,287	739,920	1,982,662	2,722,582
1996	464,748	1,688,224	2,152,972	284,389	705,657	990,046	749,137	2,393,881	3,143,018

-continued-

Table 7.—(page 2 of 2)

Year	Escapement and Catch ^{a,b,c,f}								
	Black Lake			Chignik Lake			Combined		
	Escapement	Catch	Total	Escapement	Catch	Total	Escapement	Catch	Total
1997	396,668	234,492	631,160	378,950	535,191	914,141	775,618	769,683	1,545,301
1998	410,659	313,027	723,686	290,469	816,851	1,107,320	701,128	1,129,878	1,831,006
1999	457,424	2,022,354	2,479,777	258,542	1,723,915	1,982,458	715,966	3,746,269	4,462,235
2000 ^e	536,141	1,575,855	2,111,996	269,084	575,597	844,681	805,225	2,151,452	2,956,677
2001	744,013	563,076	1,307,089	392,905	1,214,403	1,607,308	1,136,918	1,777,479	2,914,397
Average									
1971-1980	441,523	375,614	817,137	269,272	751,519	1,020,791	710,795	1,127,133	1,837,928
1981-1990	496,946	1,122,846	1,619,791	321,333	843,187	1,164,520	818,279	1,966,032	2,784,311
1991-2000	478,920	1,148,084	1,627,005	316,661	872,684	1,189,345	795,581	2,020,768	2,816,349

^a Includes 80% of the catches for the entire season from Cape Igvak and SEDM for years between 1954-1972 and 1982. From 1973 to the present, includes 80% of the catch from Cape Igvak and most of the SEDM through July 25.

^b Does not include fish retained from the commercial harvest and not sold or subsistence fish.

^c Includes catches from the Chignik Lagoon test fishery.

^d Escapement, catch, and total run for Black Lake and Chignik Lake were recalculated in 2001 for all years between 1973-1999, excluding 1982, where stock separation data were not available. The 2001 recalculations were done using stock separation percentages, daily weir counts, and updated fish ticket catch information, including 80% of the Cape Igvak and most of the SEDM harvest through July 25. These numbers supersede any previously published numbers. Numbers could not be recalculated for years prior to 1973 because data were not available.

^e Approximately 200,000 additional sockeye salmon were observed during aerial surveys of Black Lake tributaries.

^f Scale Pattern Analysis (SPA) used to delineate the early and late runs from 1984 to 2001.

Table 8.—Total pink salmon catch, escapement, and run numbers in the Chignik Management Area, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	557,327	330,400	887,727	1995	2,057,998	3,251,487	5,309,485
1961	443,510	237,256	680,766	1996	183,806	1,956,357	2,140,163
1962	1,519,305	643,741	2,163,046	1997	844,431	2,469,541	3,313,972
1963	1,662,463	578,126	2,240,589	1998	776,988	1,881,779	2,658,767
1964	1,682,365	1,537,138	3,219,503	1999	1,698,651	1,344,217	3,042,868
1965	1,089,758	376,332	1,466,090	2000	428,064	1,212,956	1,641,020
1966	683,215	1,206,002	1,889,217	2001	1,281,760	2,363,484	3,645,244
1967	108,711	244,165	352,876				
1968	1,290,660	610,387	1,901,047				
1969	1,779,736	645,750	2,425,486				
1970	1,157,172	1,736,899	2,894,071				
1971	612,290	661,715	1,274,005				
1972	72,161	245,395	317,556				
1973	25,444	139,581	165,025				
1974	69,515	170,400	239,915				
1975	66,165	192,800	258,965				
1976	395,287	421,300	816,587				
1977	604,806	739,646	1,344,452				
1978	985,114	799,179	1,784,293				
1979	1,905,198	958,258	2,863,456				
1980	1,093,184	938,801	2,031,985				
1981	1,162,613	596,620	1,759,233				
1982	873,384	600,297	1,473,681				
1983	321,178	112,703	433,881				
1984	444,804	1,005,708	1,450,512				
1985	160,128	N/A	160,128				
1986	647,125	N/A	647,125				
1987	246,775	N/A	246,775				
1988	2,997,159	1,511,959	4,509,118				
1989	27,712	1,578,626	1,606,338				
1990	550,008	993,590	1,543,598				
1991	1,169,248	480,503	1,649,751				
1992	1,554,073	2,108,311	3,662,384				
1993	1,648,377	1,091,599	2,739,976				
1994	431,063	1,878,671	2,309,734				
<hr/>							
Average							
1971-1980	582,916	526,708	1,109,624				
1981-1990	743,089	914,215	1,383,039				
1991-2000	1,079,270	1,767,542	2,846,812				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 9.—Total chum salmon catch, escapement, and run numbers in the Chignik Management Area, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	486,699	118,230	604,929	1995	380,949	347,838	728,787
1961	178,760	10,400	189,160	1996	99,791	368,517	468,308
1962	364,335	143,450	507,785	1997	155,905	587,385	743,290
1963	112,697	144,700	257,397	1998	128,841	679,152	807,993
1964	333,336	222,870	556,206	1999	140,594	335,375	475,969
1965	120,589	99,400	219,989	2000	120,957	303,413	424,370
1966	238,863	93,100	331,963	2001	198,874	550,794	749,668
1967	75,543	124,100	199,643				
1968	223,861	84,100	307,961				
1969	67,721	56,700	124,421				
1970	437,252	213,920	651,172				
1971	353,952	400,150	754,102				
1972	78,298	195,375	273,673				
1973	8,701	117,500	126,201				
1974	34,312	148,400	182,712				
1975	25,161	126,100	151,261				
1976	81,403	206,400	287,803				
1977	110,452	151,600	262,052				
1978	120,889	104,300	225,189				
1979	188,907	181,200	370,107				
1980	252,521	227,100	479,621				
1981	580,332	242,130	822,462				
1982	390,096	255,132	645,228				
1983	159,412	95,600	255,012				
1984	63,303	370,255	433,558				
1985	22,806	N/A	22,806				
1986	176,640	N/A	176,640				
1987	127,261	85,391	212,652				
1988	267,775	361,738	629,513				
1989	1,624	136,705	138,329				
1990	270,004	253,827	523,831				
1991	243,551	469,801	713,352				
1992	227,256	575,957	803,213				
1993	126,975	258,350	385,325				
1994	214,798	386,254	601,052				
Average							
1971-1980	125,460	185,813	311,272				
1981-1990	205,925	225,097	386,003				
1991-2000	183,962	431,204	615,166				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 10.—Pink salmon catch, escapement, and run numbers in the Chignik Bay District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^{c,d}	Run	Year	Catch ^{a,b}	Escapement ^{c,d}	Run
1960	47,453	N/A	47,453	1995	106,939	180,521	287,460
1961	13,648	11,550	25,198	1996	1,523	43,143	44,666
1962	36,743	1,000	37,743	1997	39,461	59,397	98,858
1963	63,788	20,650	84,438	1998	26,054	24,407	50,461
1964	123,571	20,000	143,571	1999	59,001	37,325	96,326
1965	3,125	11,000	14,125	2000	28,067	27,434	55,501
1966	18,279	71,300	89,579	2001	75,135	19,684	94,819
1967	29,014	5,850	34,864				
1968	230,168	81,400	311,568				
1969	29,461	11,700	41,161				
1970	46,297	43,600	89,897				
1971	65,281	5,500	70,781				
1972	31,606	5,755	37,361				
1973	22,674	2,200	24,874				
1974	33,484	4,000	37,484				
1975	27,377	1,200	28,577				
1976	108,827	12,300	121,127				
1977	60,932	3,000	63,932				
1978	137,074	10,700	147,774				
1979	312,406	1,200	313,606				
1980	180,912	3,000	183,912				
1981	121,380	1,400	122,780				
1982	82,973	2,400	85,373				
1983	27,284	1,050	28,334				
1984	165,178	123,255	288,433				
1985	14,429	N/A	14,429				
1986	191,264	N/A	191,264				
1987	13,887	N/A	13,887				
1988	119,794	22,417	142,211				
1989	27,691	13,470	41,161				
1990	94,528	5,968	100,496				
1991	76,163	12,207	88,370				
1992	178,105	55,750	233,855				
1993	55,909	2,000	57,909				
1994	59,425	75,800	135,225				
Average							
1971-1980	98,057	4,886	102,943				
1981-1990	85,841	24,280	102,837				
1991-2000	63,065	51,798	114,863				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Chignik River salmon escapement was incompletely monitored all years except 1996-1999 when the weir was installed until September 4.

^d Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 11.—Pink salmon catch, escapement, and run numbers in the Central District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	34,246	28,000	62,246	1995	469,745	715,475	1,185,220
1961	8,089	4,650	12,739	1996	15,756	237,144	252,900
1962	84,284	43,000	127,284	1997	603,575	594,626	1,198,201
1963	121,243	68,800	190,043	1998	233,732	210,913	444,645
1964	71,838	90,550	162,388	1999	664,208	374,253	1,038,461
1965	69,532	48,025	117,557	2000	271,417	146,075	417,492
1966	17,405	47,000	64,405	2001	641,438	460,400	1,101,838
1967	26,360	15,510	41,870				
1968	45,457	38,100	83,557				
1969	1,372	47,200	48,572				
1970	27,919	52,200	80,119				
1971	20,518	70,600	91,118				
1972	766	3,035	3,801				
1973	293	55,800	56,093				
1974	22,084	9,800	31,884				
1975	31,342	26,400	57,742				
1976	16,583	66,000	82,583				
1977	120,018	199,900	319,918				
1978	61,224	101,200	162,424				
1979	284,414	297,000	581,414				
1980	108,682	99,400	208,082				
1981	210,023	76,500	286,523				
1982	80,606	26,100	106,706				
1983	7,861	10,995	18,856				
1984	47,250	94,040	141,290				
1985	16,087	7,373	23,460				
1986	44,127	121,901	166,028				
1987	7,769	65,704	73,473				
1988	318,370	216,355	534,725				
1989	21	215,047	215,068				
1990	233,677	131,865	365,542				
1991	173,967	201,063	375,030				
1992	205,750	223,783	429,533				
1993	205,037	160,900	365,937				
1994	99,149	178,920	278,069				
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Average							
1971-1980	66,592	92,914	159,506				
1981-1990	96,579	96,588	193,167				
1991-2000	294,234	304,315	598,549				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 12.—Pink salmon catch, escapement, and run numbers in the Eastern District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	166,070	130,000	296,070	1995	8,572	1,399,288	1,407,860
1961	3,805	9,500	13,305	1996	7,181	1,059,573	1,066,754
1962	1,109,925	245,600	1,355,525	1997	72,347	1,287,743	1,360,090
1963	26,914	102,700	129,614	1998	66,725	1,273,170	1,339,895
1964	1,251,525	406,700	1,658,225	1999	40,571	615,100	655,671
1965	25,703	62,950	88,653	2000	10,500	810,712	821,212
1966	386,164	263,250	649,414	2001	97,438	1,470,200	1,567,638
1967	22,290	43,350	65,640				
1968	523,378	351,500	874,878				
1969	1,724	33,550	35,274				
1970	268,857	176,900	445,757				
1971	28,959	20,700	49,659				
1972	12,928	15,950	28,878				
1973	2,477	7,200	9,677				
1974	568	79,200	79,768				
1975	0	23,500	23,500				
1976	28,828	228,800	257,628				
1977	239	76,000	76,239				
1978	86,778	309,300	396,078				
1979	292,364	194,300	486,664				
1980	472,510	425,500	898,010				
1981	173,293	154,750	328,043				
1982	89,074	301,550	390,624				
1983	7,817	46,335	54,152				
1984	57,715	486,535	544,250				
1985	6,570	212,094	218,664				
1986	49,635	580,694	630,329				
1987	2,079	215,613	217,692				
1988	1,006,366	1,005,405	2,011,771				
1989	0	880,968	880,968				
1990	40,574	811,411	851,985				
1991	27,979	124,987	152,966				
1992	183,119	1,318,101	1,501,220				
1993	52,755	524,700	577,455				
1994	12,952	863,250	876,202				
Average							
1971-1980	92,565	138,045	230,610				
1981-1990	143,312	469,536	612,848				
1991-2000	48,270	927,662	975,933				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 13.—Pink salmon catch, escapement, and run numbers in the Western District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	158,102	48,600	206,702	1995	791,718	554,674	1,346,392
1961	191,827	60,100	251,927	1996	100,871	220,797	321,668
1962	80,977	128,000	208,977	1997	118,003	306,302	424,305
1963	516,930	178,600	695,530	1998	343,187	150,449	493,636
1964	112,874	86,300	199,174	1999	771,411	137,839	909,250
1965	346,646	131,800	478,446	2000	106,147	130,080	236,227
1966	173,162	179,700	352,862	2001	424,537	263,000	687,537
1967	26,460	91,250	117,710				
1968	295,557	134,800	430,357				
1969	484,980	357,200	842,180				
1970	442,684	202,000	644,684				
1971	285,447	193,500	478,947				
1972	14,880	8,570	23,450				
1973	0	62,400	62,400				
1974	13,379	77,400	90,779				
1975	7,446	141,700	149,146				
1976	135,803	114,200	250,003				
1977	379,038	355,500	734,538				
1978	419,280	333,400	752,680				
1979	744,613	185,000	929,613				
1980	216,460	139,500	355,960				
1981	433,605	249,350	682,955				
1982	602,408	45,935	648,343				
1983	164,338	36,000	200,338				
1984	173,820	188,000	361,820				
1985	80,577	67,453	148,030				
1986	200,793	43,854	244,647				
1987	187,701	38,250	225,951				
1988	1,141,382	232,443	1,373,825				
1989	0	57,894	57,894				
1990	135,810	44,346	180,156				
1991	419,264	96,827	516,091				
1992	628,900	38,802	667,702				
1993	685,605	45,800	731,405				
1994	174,641	111,630	286,271				
Average							
1971-1980	221,635	161,117	382,752				
1981-1990	312,043	100,353	412,396				
1991-2000	413,975	179,320	593,295				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 14.—Pink salmon catch, escapement, and run numbers in the Perryville District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	151,456	123,800	275,256	1995	681,024	582,050	1,263,074
1961	226,141	34,750	260,891	1996	58,475	395,700	454,175
1962	207,376	94,000	301,376	1997	11,045	221,473	232,518
1963	933,588	142,750	1,076,338	1998	107,290	222,840	330,130
1964	122,557	60,550	183,107	1999	163,460	179,700	343,160
1965	644,752	69,800	714,552	2000	11,933	98,655	110,588
1966	88,205	61,300	149,505	2001	43,212	150,200	193,412
1967	4,587	131,570	136,157				
1968	196,100	94,200	290,300				
1969	1,262,199	174,800	1,436,999				
1970	371,415	72,550	443,965				
1971	212,085	34,500	246,585				
1972	11,981	7,825	19,806				
1973	0	31,500	31,500				
1974	0	60,200	60,200				
1975	0	45,300	45,300				
1976	105,246	89,300	194,546				
1977	44,579	115,400	159,979				
1978	280,758	157,500	438,258				
1979	271,401	181,300	452,701				
1980	114,620	74,800	189,420				
1981	224,312	116,050	340,362				
1982	18,323	13,405	31,728				
1983	113,878	64,500	178,378				
1984	841	109,800	110,641				
1985	42,465	235,177	277,642				
1986	161,306	180,460	341,766				
1987	35,339	65,716	101,055				
1988	411,247	181,267	592,514				
1989	0	267,419	267,419				
1990	45,419	88,380	133,799				
1991	471,875	343,456	815,331				
1992	358,199	190,374	548,573				
1993	649,071	448,400	1,097,471				
1994	84,896	153,881	238,777				
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Average							
1971-1980	104,067	79,763	183,830				
1981-1990	105,313	132,217	237,530				
1991-2000	259,727	283,653	543,380				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 15.—Chum salmon catch, escapement, and run numbers in the Chignik Bay District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^{c,d}	Run	Year	Catch ^{a,b}	Escapement ^{c,d}	Run
1960	15,104	2,210	17,314	1991	17,545	0	17,545
1961	11,550	20	11,570	1992	12,711	100	12,811
1962	5,234	2,500	7,734	1993	8,116	300	8,416
1963	5,323	800	6,123	1994	25,250	1,500	26,750
1964	8,522	2,500	11,022	1995	14,588	10,325	24,913
1965	1,169	3,000	4,169	1996	639	16,419	17,058
1966	6,557	4,500	11,057	1997	20,978	18,498	39,476
1967	5,815	2,100	7,915	1998	7,352	4,458	11,810
1968	5,425	1,000	6,425	1999	12,147	2,325	14,472
1969	2,941	1,500	4,441	2000	8,389	98	8,487
1970	1,660	21,000	22,660	2001	11,533	4,066	15,599
1971	19,449	7,050	26,499				
1972	18,178	3,300	21,478				
1973	7,254	700	7,954				
1974	17,317	2,100	19,417				
1975	21,137	2,100	23,237				
1976	19,237	2,400	21,637				
1977	8,621	2,000	10,621				
1978	15,020	2,100	17,120				
1979	32,176	1,600	33,776				
1980	19,944	300	20,244				
1981	38,061	450	38,511				
1982	16,034	1,400	17,434				
1983	16,747	50	16,797				
1984	8,173	340	8,513				
1985	4,906	N/A	4,906				
1986	18,167	N/A	18,167				
1987	5,163	100	5,263				
1988	7,013	15,253	22,266				
1989	1,587	4,467	6,054				
1990	11,460	1,540	13,000				
Average							
1971-1980	17,833	2,365	20,198				
1981-1990	12,731	2,950	15,091				
1991-2000	12,772	5,402	18,174				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Chignik River salmon escapement was incompletely monitored all years except 1996-1999 when the weir was installed until September 4.

^d Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 16.—Chum salmon catch, escapement, and run numbers in the Central District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	44,545	28,120	72,665	1995	107,061	44,483	151,544
1961	31,879	N/A	31,879	1996	26,125	45,103	71,228
1962	132,054	28,800	160,854	1997	104,259	65,650	169,909
1963	23,118	24,775	47,893	1998	43,036	331,982	375,018
1964	50,321	21,970	72,291	1999	75,495	32,371	107,866
1965	37,774	16,400	54,174	2000	66,904	22,730	89,634
1966	20,403	9,950	30,353	2001	84,004	36,500	120,504
1967	10,115	16,900	27,015				
1968	4,208	14,500	18,708				
1969	3,193	5,000	8,193				
1970	28,628	22,420	51,048				
1971	13,723	24,800	38,523				
1972	1,566	14,235	15,801				
1973	229	26,700	26,929				
1974	13,516	18,100	31,616				
1975	3,225	18,800	22,025				
1976	3,358	17,800	21,158				
1977	8,888	9,300	18,188				
1978	10,317	13,800	24,117				
1979	11,427	44,800	56,227				
1980	38,902	34,200	73,102				
1981	160,730	26,085	186,815				
1982	33,669	49,420	83,089				
1983	9,815	17,000	26,815				
1984	8,150	35,430	43,580				
1985	5,242	9,611	14,853				
1986	29,502	30,945	60,447				
1987	9,437	17,499	26,936				
1988	39,316	55,849	95,165				
1989	34	34,702	34,736				
1990	113,741	27,964	141,705				
1991	51,429	18,044	69,473				
1992	45,569	173,108	218,677				
1993	43,306	39,400	82,706				
1994	69,552	102,633	172,185				
Average							
1971-1980	10,515	22,254	32,769				
1981-1990	40,964	30,451	71,414				
1991-2000	63,274	87,550	150,824				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retain and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 17.—Chum salmon catch, escapement, and run numbers in the Eastern District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	258,778	41,100	299,878	1995	8,074	112,750	120,824
1961	37,505	8,380	45,885	1996	19,748	130,455	150,203
1962	74,657	61,150	135,807	1997	11,397	289,950	301,347
1963	20,459	95,725	116,184	1998	5,180	97,696	102,876
1964	242,652	155,500	398,152	1999	11,332	167,064	178,396
1965	32,407	53,500	85,907	2000	8,045	216,000	224,045
1966	130,121	53,650	183,771	2001	50,911	406,900	457,811
1967	24,449	78,650	103,099				
1968	110,083	61,500	171,583				
1969	3,743	43,200	46,943				
1970	241,108	109,500	350,608				
1971	102,344	199,000	301,344				
1972	27,723	107,400	135,123				
1973	1,218	44,600	45,818				
1974	255	76,300	76,555				
1975	0	41,300	41,300				
1976	10,020	122,300	132,320				
1977	1,507	54,500	56,007				
1978	17,451	55,800	73,251				
1979	36,090	79,500	115,590				
1980	56,805	107,000	163,805				
1981	108,668	126,045	234,713				
1982	64,513	145,375	209,888				
1983	8,250	50,200	58,450				
1984	21,134	214,670	235,804				
1985	864	4,882	5,746				
1986	17,880	8,493	26,373				
1987	8,890	38,302	47,192				
1988	77,511	221,869	299,380				
1989	3	74,254	74,257				
1990	27,463	139,693	167,156				
1991	4,925	70,422	75,347				
1992	61,209	306,861	368,070				
1993	21,157	135,200	156,357				
1994	4,333	129,190	133,523				
Average							
1971-1980	25,341	88,770	114,111				
1981-1990	33,518	102,378	135,896				
1991-2000	15,540	165,559	181,099				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 18.—Chum salmon catch, escapement, and run numbers in the Western District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	136,017	20,900	156,917	1995	158,273	45,653	#####
1961	77,310	2,000	79,310	1996	36,303	44,527	80,830
1962	134,442	43,000	177,442	1997	16,280	60,459	76,739
1963	44,730	12,500	57,230	1998	41,425	30,555	71,980
1964	21,199	25,100	46,299	1999	37,089	16,312	53,401
1965	36,428	19,500	55,928	2000	34,823	12,735	47,558
1966	73,840	9,500	83,340	2001	37,466	35,500	72,966
1967	33,567	18,150	51,717				
1968	90,123	6,000	96,123				
1969	36,785	6,000	42,785				
1970	139,551	49,000	188,551				
1971	177,534	143,800	321,334				
1972	18,535	58,950	77,485				
1973	0	35,600	35,600				
1974	3,224	39,400	42,624				
1975	799	43,400	44,199				
1976	33,051	55,000	88,051				
1977	88,027	70,400	158,427				
1978	45,991	27,300	73,291				
1979	82,326	42,500	124,826				
1980	91,868	56,500	148,368				
1981	221,579	70,250	291,829				
1982	253,299	35,352	288,651				
1983	101,959	20,150	122,109				
1984	25,364	73,815	99,179				
1985	10,704	34,603	45,307				
1986	74,070	5,283	79,353				
1987	86,898	19,664	106,562				
1988	102,730	27,378	130,108				
1989	0	7,375	7,375				
1990	91,603	28,844	120,447				
1991	98,603	38,093	136,696				
1992	65,466	53,329	118,795				
1993	25,045	14,000	39,045				
1994	94,116	23,000	117,116				
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Average							
1971-1980	54,136	57,285	111,421				
1981-1990	96,821	32,271	129,092				
1991-2000	60,742	33,866	94,609				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 19.—Chum salmon catch, escapement, and run numbers in the Perryville District, 1960-2001.

Year	Catch ^{a,b}	Escapement ^c	Run	Year	Catch ^{a,b}	Escapement ^c	Run
1960	32255	25900	58,155	1995	92,953	134,627	227,580
1961	20516	N/A	20,516	1996	16,976	132,013	148,989
1962	17,948	8,000	25,948	1997	2,991	152,828	155,819
1963	19,067	10,900	29,967	1998	31,848	214,461	246,309
1964	10,642	17,800	28,442	1999	4,531	117,303	121,834
1965	12,811	7,000	19,811	2000	2,796	51,850	54,646
1966	7,942	15,500	23,442	2001	14,960	67,828	82,788
1967	1,597	8,300	9,897				
1968	14,022	1,100	15,122				
1969	21,059	1,000	22,059				
1970	26,305	12,000	38,305				
1971	40,902	25,500	66,402				
1972	12,296	11,490	23,786				
1973	0	9,900	9,900				
1974	0	12,500	12,500				
1975	0	20,500	20,500				
1976	15,737	8,900	24,637				
1977	3,409	15,400	18,809				
1978	32,110	5,300	37,410				
1979	26,888	12,800	39,688				
1980	45,002	29,100	74,102				
1981	51,294	19,300	70,594				
1982	22,581	23,585	46,166				
1983	22,641	8,200	30,841				
1984	482	46,000	46,482				
1985	1,090	12,917	14,007				
1986	37,021	7,700	44,721				
1987	16,873	9,826	26,699				
1988	41,205	41,389	82,594				
1989	0	15,907	15,907				
1990	25,737	55,786	81,523				
1991	88,594	343,242	431,836				
1992	37,179	40,294	77,473				
1993	24,736	66,800	91,536				
1994	34,025	126,029	160,054				
Average							
1971-1980	17,634	15,139	32,773				
1981-1990	21,892	24,061	45,953				
1991-2000	33,663	137,945	171,608				

^a Catches (1970-2001) were updated using historical electronic fish ticket databases.

^b Commercial harvest retained and not sold and subsistence fish are not included.

^c Post-1984 escapement estimates computed by area-under-the-curve methodology using a 15.0 day average stream life (Johnson and Barrett 1988). September 15 was the assumed last day of stream entry. Pre-1984 escapement estimates are peak aerial survey counts.

Table 20.—Commercial salmon fishing effort and catch by day in the Chignik Management Area, excluding Cape Igvak and Southeastern District Mainland salmon destined for Chignik, and excluding fish retained from the commercial harvest and not sold and subsistence caught fish, 2001.

Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pink		Chum		Total	
	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
6-Jun ^a	1	1	0	0	372	2,591	0	0	0	0	0	0	372	2,591
9-Jun ^a	1	1	0	0	30	254	0	0	0	0	0	0	30	254
11-Jun ^a	1	1	0	0	408	2,743	0	0	0	0	0	0	408	2,743
13-Jun ^a	1	1	0	0	1,813	12,670	0	0	0	0	0	0	1,813	12,670
16-Jun	b,c	b,c	0	0	6,161	44,428	0	0	16	48	0	0	6,177	44,476
19-Jun ^a	1	1	0	0	1,952	14,058	0	0	0	0	0	0	1,952	14,058
20-Jun	b,c	b,c	3	28	35,789	257,977	0	0	0	0	2	18	35,794	258,023
22-Jun	b,c	b,c	2	10	25,807	186,165	0	0	12	37	3	25	25,824	186,237
23-Jun ^c	5	5	0	0	43,093	313,960	0	0	0	0	0	0	43,093	313,960
24-Jun	b,c	b,c	3	21	28,791	207,862	0	0	0	0	2	19	28,796	207,902
26-Jun	b,c	b,c	0	0	4,223	30,834	0	0	0	0	0	0	4,223	30,834
27-Jun	b,c	b,c	0	0	17,259	123,670	0	0	0	0	0	0	17,259	123,670
28-Jun ^a	b,c	b,c	3	64	6,110	44,422	0	0	162	569	490	4,337	6,765	49,392
29-Jun	b,c	b,c	1	18	14,882	108,640	0	0	48	145	33	198	14,964	109,001
1-Jul ^a	1	1	0	0	1,662	11,220	0	0	0	0	0	0	1,662	11,220
2-Jul	71	72	104	1,818	59,732	434,142	0	0	2,715	8,881	1,144	9,163	63,695	454,004
3-Jul	79	90	85	1,317	82,461	599,171	9	79	8,387	25,171	4,222	35,178	95,164	660,916
4-Jul	76	82	178	3,424	54,221	393,244	39	158	5,235	15,035	4,926	40,005	64,599	451,866
5-Jul	60	63	76	1,059	35,353	261,779	11	72	5,107	14,003	3,266	26,622	43,813	303,535
6-Jul	78	83	114	1,806	54,124	400,060	44	278	10,299	30,561	4,269	34,749	68,850	467,454
7-Jul	77	78	189	2,860	54,592	398,637	733	4,806	22,338	61,373	5,061	39,844	82,913	507,520
8-Jul	80	83	146	2,124	48,699	363,294	1,112	7,603	18,539	54,428	7,428	61,841	75,924	489,290
9-Jul	80	81	289	3,447	46,843	350,196	743	4,452	10,671	27,899	6,775	56,005	65,321	441,999
10-Jul	83	88	172	3,006	39,415	296,129	831	5,724	8,196	24,183	9,834	79,312	58,448	408,354
11-Jul	75	77	79	1,240	31,430	240,737	656	4,699	6,482	17,951	5,328	44,322	43,975	308,949
12-Jul	77	79	102	1,600	22,631	175,549	462	3,120	7,103	19,208	5,966	46,795	36,264	246,272
13-Jul	68	68	108	1,617	23,161	178,093	199	1,371	5,534	14,773	2,344	19,332	31,346	215,186
14-Jul	49	49	30	366	11,526	87,693	558	4,283	4,527	13,138	2,235	18,309	18,876	123,789
16-Jul ^a	1	1	4	120	1,330	10,478	0	0	0	0	0	0	1,334	10,598
20-Jul ^a	1	1	0	0	2,550	16,982	0	0	0	0	0	0	2,550	16,982

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Table 20.--(page 2 of 3)

Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pink		Chum		Total	
	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
25-Jul ^a	10	10	0	0	2,695	18,867	0	0	12,797	45,895	12,610	100,930	28,102	165,692
26-Jul	80	90	143	1,330	89,193	663,367	14,952	114,818	70,352	214,693	6,872	55,054	181,512	1,049,262
27-Jul	81	92	176	1,675	38,356	278,034	13,686	98,155	137,494	426,285	11,704	90,482	201,416	894,631
28-Jul	68	73	50	762	22,976	165,170	4,097	31,472	59,892	187,435	4,421	34,528	91,436	419,367
29-Jul	73	75	114	1,222	18,813	135,888	4,840	36,570	72,524	227,539	3,682	28,798	99,973	430,017
30-Jul	71	77	156	1,025	16,351	118,998	13,789	101,779	96,365	302,815	22,450	194,780	149,111	719,397
31-Jul	62	68	171	1,038	13,929	100,206	16,147	122,220	70,192	218,110	9,531	71,657	109,970	513,231
1-Aug	^b	^b	1	25	480	3,208	25	166	2,118	7,430	49	362	2,673	11,191
4-Aug	46	48	12	183	8,691	63,539	2,809	21,218	23,495	76,780	5,699	44,767	40,706	206,487
5-Aug	70	78	56	1,101	20,599	150,770	7,862	59,693	102,218	327,091	10,762	87,830	141,497	626,485
6-Aug	73	78	37	674	19,347	142,575	8,226	62,830	118,280	370,041	9,706	77,311	155,596	653,431
7-Aug	64	70	24	408	17,349	128,196	1,373	10,810	77,596	251,254	9,151	80,022	105,493	470,690
8-Aug	69	70	16	239	21,956	161,439	3,071	24,266	59,213	198,247	6,276	47,650	90,532	431,841
9-Aug	57	60	25	461	18,604	136,826	613	4,849	32,112	109,804	1,669	13,361	53,023	265,301
10-Aug	59	63	54	937	22,460	169,064	1,845	14,703	62,477	209,370	2,816	22,254	89,652	416,328
11-Aug	51	56	14	253	18,811	139,394	7,586	62,849	32,916	105,779	4,534	37,419	63,861	345,694
12-Aug	46	46	15	271	19,403	146,097	1,772	14,560	21,617	74,238	1,735	13,584	44,542	248,750
13-Aug	65	67	18	329	29,491	217,727	2,587	20,034	21,393	69,144	2,054	15,391	55,543	322,625
16-Aug	63	65	16	262	29,547	214,540	569	4,542	12,504	43,656	772	6,217	43,408	269,217
17-Aug	67	67	8	171	26,511	191,990	1,876	14,834	18,356	65,833	1,235	9,852	47,986	282,680
18-Aug	61	64	13	221	21,646	156,930	1,236	9,822	10,178	34,654	1,452	11,099	34,525	212,726
19-Aug	54	57	7	146	19,367	139,170	841	6,946	9,358	33,788	736	5,724	30,309	185,774
20-Aug	6	6	0	0	1,245	9,114	46	342	526	1,650	34	227	1,851	11,333
21-Aug	33	39	1	34	23,001	166,387	451	3,873	2,467	9,690	387	3,198	26,307	183,182
22-Aug	57	61	3	35	32,474	233,110	1,215	10,372	4,915	17,494	590	4,663	39,197	265,674
23-Aug	54	57	5	101	24,186	175,028	1,265	11,132	4,753	17,138	630	5,094	30,839	208,493
24-Aug	51	51	5	129	33,295	244,699	1,845	15,526	7,026	24,557	755	5,827	42,926	290,738
25-Aug	52	55	5	83	26,296	188,889	2,067	17,294	6,483	22,243	821	6,764	35,672	235,273
26-Aug	47	47	7	121	19,526	140,561	1,869	15,746	6,069	20,159	718	6,001	28,189	182,588
27-Aug	41	43	0	0	22,261	160,468	1,701	14,794	3,883	13,342	410	3,149	28,255	191,753
28-Aug	42	46	7	146	20,347	147,203	1,772	14,941	3,427	11,409	547	4,266	26,100	177,965
29-Aug	36	38	0	0	22,565	161,523	1,186	9,777	1,279	4,845	357	2,596	25,387	178,741

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Table 20.—(page 3 of 3)

Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pink		Chum		Total	
	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
30-Aug	34	36	1	27	15,483	109,394	1,011	8,543	1,230	4,785	176	1,203	17,901	123,952
31-Aug	30	32	1	18	15,598	110,325	1,413	12,555	864	3,140	193	1,294	18,069	127,332
6-Sep	^b	^b	0	0	2,098	14,057	401	3,477	20	78	12	105	2,531	17,717
Total	93	2,905	2,849	39,372	1,511,370	11,070,431	131,441	1,012,153	1,281,760	4,077,814	198,874	1,609,533	3,126,294	17,809,303
Average Weight				13.82		7.32		7.70		3.18		8.09		

^a Catch from the department's test fishery included.

^b Fishing and effort omitted when there are confidentiality concerns (three or fewer permits or landings).

^c Fishing activity by vessels conducting a “community harvest effort” for the Chignik Seiners Association during a price dispute.

Table 21.—Processors in the Chignik Management Area, 2001.

Processor			
Code	Name	Type	Address
F3495	Norquest Seafoods Inc.	Chignik-Shoreside Processor	4225 23rd Avenue West Seattle, Wa. 98199
F0365	Sea Catch Inc.	Chignik-Shoreside Processor	4241 21st Avenue West #300, Seattle, Wa. 98199
F0210	North Pacific Processors Inc.	Kodiak-Shoreside Processor	P.O.Box 31179 Seattle, Wa. 98103
F0320	Western Alaska Fisheries Inc.	Kodiak-Shoreside Processor	1111 3rd Ave. #2200 Seattle, Wa. 98101
F0832	Kodiak Salmon Packers Inc.	Kodiak-Shorside Processor	20520 Brown Rd. Monroe, Wa. 98272
F1051	Deep Creek Custom Packing Inc.	Ninilchik-Shoreside Processor	P.O.Box 229 Ninilchik, Ak. 99639
F1929	Ocean Beauty Seafoods Inc.	Kodiak-Shoreside Processor	P.O.Box 70739 Seattle, Wa. 98107
F3947	Wild Alaskan Seafood House LLC	Floating Processor	40 Wadsworth Dr. Sequim, Wa. 98382

Table 22.—Economic value of salmon and average income per active commercial salmon permit holder, in dollars, in the Chignik Management Area, 1970-2001.

Date	Chinook		Sockeye		Coho		Pink		Chum		Total Value	Permits Fished (Active)	Value Per Permit ^b
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average			
1970	6,129	89	2,190,272	31,743	18,397	267	635,673	9,213	376,025	5,450	3,226,496	69	46,761
1971	6,472	84	2,034,279	26,419	23,240	302	366,693	4,762	326,760	4,244	2,757,444	77	35,811
1972	2,028	28	825,498	11,308	35,699	489	48,401	663	87,759	1,202	999,385	79	12,650
1973	5,255	72	3,030,057	41,508	73,663	1,009	20,610	282	10,180	139	3,139,765	77	40,776
1974	2,941	32	3,618,781	39,767	31,933	351	64,069	704	51,125	562	3,768,849	94	40,094
1975	6,561	76	1,384,271	16,240	213,539	2,581	104,115	12,211	61,704	717	1,770,190	86	20,584
1976	13,800	179	4,751,000	61,701	138,000	1,792	568,300	7,381	183,600	2,384	5,654,700	77	73,438
1977	18,828	212	14,553,720	163,525	104,819	1,178	920,881	10,347	368,066	4,136	15,966,314	88	181,435
1978	56,700	597	15,653,500	164,774	116,400	1,225	1,131,500	11,911	404,500	4,258	17,362,600	95	182,764
1979	32,050	317	11,345,503	112,332	710,192	7,031	2,622,269	25,963	126,866	1,256	14,836,880	101	146,900
1980	67,657	670	5,532,290	54,775	520,655	5,155	1,477,060	14,624	1,061,963	10,514	8,659,625	101	85,739
1981	75,231	730	17,262,119	167,593	439,900	4,271	1,881,334	18,265	2,431,421	23,606	22,090,005	103	214,466
1982	75,276	717	13,038,510	124,176	1,782,027	16,972	578,184	5,506	1,356,597	12,920	16,830,594	105	160,291
1983	96,159	962	10,728,088	107,281	219,650	2,197	240,171	2,402	421,713	4,217	11,705,781	100	117,058
1984	114,502	1,134	20,402,076	202,000	759,972	7,525	330,916	3,276	146,024	1,446	21,753,490	101	215,381
1985	67,088	664	7,997,834	79,186	1,471,418	14,568	140,076	1,387	59,475	589	8,735,891	101	86,494
1986	84,800	848	16,882,290	168,823	667,740	6,677	356,147	3,562	456,546	4,565	18,447,523	100	184,475
1987	72,739	706	24,783,033	240,612	1,035,129	10,050	269,868	2,620	339,819	3,299	26,500,588	102	259,810
1988	286,740	2,811	14,350,354	140,690	4,153,424	40,720	6,771,266	66,385	2,189,293	21,464	27,751,077	102	272,069
1989 ^a	78,999	790	13,047,378	130,474	436,892	4,369	32,994	3,299	4,745	47	13,601,008	100	136,010
1990	185,256	1,834	22,509,923	222,871	700,309	6,934	502,693	4,977	878,510	8,698	24,776,691	101	245,314
1991	50,027	486	11,002,784	106,823	650,626	6,317	402,916	3,912	502,860	4,882	12,609,213	101	124,844
1992	193,326	1,858	12,552,025	120,693	1,323,107	12,722	811,882	7,807	414,005	3,981	15,294,345	101	151,429
1993	175,690	1,722	8,210,106	80,491	730,622	7,163	637,666	6,252	184,012	1,804	9,938,096	102	97,432
1994	38,096	385	10,046,245	101,477	1,094,415	11,055	226,504	2,208	430,888	4,352	11,836,148	99	119,557
1995	60,174	602	11,969,210	119,692	834,337	8,343	977,811	9,778	634,780	6,348	14,476,312	100	144,763
1996	25,041	250	12,640,560	126,406	447,228	4,472	24,827	248	32,279	323	13,169,935	100	131,699
1997	20,642	211	4,860,589	49,598	453,905	4,632	348,042	3,551	239,400	2,443	5,922,577	98	60,434
1998	31,934	376	6,631,192	78,014	397,413	4,675	310,323	3,651	137,647	1,619	7,508,509	85	88,335
1999	27,212	299	21,132,550	232,226	170,931	1,878	578,861	6,361	118,547	1,303	22,028,101	91	242,067

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Table 22.—(page 2 of 2)

Date	Chinook		Sockeye		Coho		Pink		Chum		Total Value	Permits Fished (Active)	Value Per Permit ^b
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average			
2000	16,336	165	11,812,368	119,317	283,061	2,859	106,470	1,075	93,030	940	12,311,264	99	124,356
2001	12,205	133	7,419,339	80,645	263,160	2,860	366,714	3,986	209,239	2,274	8,270,657	92	89,898
Averages													
1971-1980	21,229	227	6,272,890	69,235	196,814	2,111	732,390	8,885	268,252	2,941	7,491,575	88	82,019
1981-1990	113,679	1,120	16,100,161	158,371	1,166,646	11,428	1,110,365	11,168	828,414	8,085	19,219,265	102	189,137
1991-2000	63,848	635	11,085,763	113,474	638,564	6,412	442,530	4,484	278,745	2,799	12,509,450	98	128,492

^a Exxon Valdez Oil Spill.

^b Value per permit based on the number of active permits.

Table 23.—Commercial salmon catches in the Chignik Management Area by district, statistical area, and species, 2001.

District	Statistical Area	Catch by Species in Number of Salmon ^{a,b,c,d}					Total
		Chinook	Sockeye	Coho	Pink	Chum	
Chignik Bay	27110	1,146	1,082,074	10,000	75,135	11,533	1,179,888
	Total	1,146	1,082,074	10,000	75,135	11,533	1,179,888
Central	27220	36	2,030	2,192	14,946	1,465	20,669
	27230	173	168,795	11,084	302,036	38,066	520,154
	27240	15	1,672	1,542	7,574	1,152	11,955
	27250	74	78,341	5,534	101,160	17,386	202,495
	27262	471	131,334	10,710	215,722	25,935	384,172
	Total	769	382,172	31,062	641,438	84,004	1,139,445
Eastern	27260	13	3,548	228	3,540	735	8,064
	27272	9	2,183	354	8,452	1,109	12,107
	27280	19	685	62	40,154	37,729	78,649
	27290	0	8	0	21,349	1,956	23,313
	27292	261	21,953	1,659	23,943	9,382	57,198
	Total	302	28,377	2,303	97,438	50,911	179,331
Western	27374	427	10,046	46,313	250,234	25,382	332,402
	27390	200	7,564	39,643	172,653	11,895	231,955
	27394	0	63	624	1,650	189	2,526
	Total	627	17,673	86,580	424,537	37,466	566,883
Perryville	27540	5	1,074	1,496	43,212	14,960	60,747
	Total	5	1,074	1,496	43,212	14,960	60,747
All Districts Total		2,849	1,511,370	131,441	1,281,760	198,874	3,126,294

^a Does not include salmon retained from the commercial harvest and not sold.

^b Does not include salmon caught for subsistence use.

^c Does not include salmon caught at Cape Igvak or Southeastern District Mainland destined to Chignik.

^d Includes the department's test fishery and the Chignik Seiners's Co-op catches.

Table 24.—Sockeye salmon daily and cumulative escapement estimates through the Chignik weir by day, 2001.

Escapement			Escapement		
Date	Daily	Cumulative	Date	Daily	Cumulative
25-May	34	34	5-Jul	1,107	851,455
26-May	183	217	6-Jul	2,316	853,771
27-May	190	407	7-Jul	3,290	857,061
28-May	68	475	8-Jul	2,937	859,998
29-May	856	1331	9-Jul	1,653	861,651
30-May	903	2,234	10-Jul	2,054	863,705
31-May	875	3,109	11-Jul	1,119	864,824
1-Jun	389	3,498	12-Jul	941	865,765
2-Jun	278	3,776	13-Jul	700	866,465
3-Jun	2,980	6,756	14-Jul	463	866,928
4-Jun	6,794	13,550	15-Jul	1,702	868,630
5-Jun	5,155	18,705	16-Jul	8,891	877,521
6-Jun	1,233	19,938	17-Jul	11,822	889,343
7-Jun	7,198	27,136	18-Jul	13,487	902,830
8-Jun	15,600	42,736	19-Jul	18,620	921,450
9-Jun	14,478	57,214	20-Jul	8,551	930,001
10-Jun	10,893	68,107	21-Jul	7,575	937,576
11-Jun	17,211	85,318	22-Jul	12,880	950,456
12-Jun	18,425	103,743	23-Jul	17,782	968,238
13-Jun	21,996	125,739	24-Jul	23,970	992,208
14-Jun	18,930	144,669	25-Jul	22,532	1,014,740
15-Jun	32,080	176,749	26-Jul	17,991	1,032,731
16-Jun	38,629	215,378	27-Jul	1,460	1,034,191
17-Jun	37,688	253,066	28-Jul	752	1,034,943
18-Jun	23,522	276,588	29-Jul	601	1,035,544
19-Jun	28,684	305,272	30-Jul	343	1,035,887
20-Jun	61,341	366,613	31-Jul	313	1,036,200
21-Jun	60,523	427,136	1-Aug	1,124	1,037,324
22-Jun	49,829	476,965	2-Aug	4,922	1,042,246
23-Jun	38,309	515,274	3-Aug	6,187	1,048,433
24-Jun	28,742	544,016	4-Aug	6,846	1,055,279
25-Jun	31,771	575,787	5-Aug	8,529	1,063,808
26-Jun	30,722	606,509	6-Aug	1,442	1,065,250
27-Jun	25,523	632,032	7-Aug	755	1,066,005
28-Jun	34,615	666,647	8-Aug	742	1,066,747
29-Jun	33,038	699,685	9-Aug	539	1,067,286
30-Jun	17,849	717,534	10-Aug	660	1,067,946
1-Jul	45,274	762,808	11-Aug	682	1,068,628
2-Jul	67,674	830,482	12-Aug	826	1,069,454
3-Jul	16,636	847,118	13-Aug	837	1,070,291
4-Jul	3,230	850,348	14-Aug	1,032	1,071,323

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Table 24.—(page 2 of 2)

Escapement			Escapement		
Date	Daily	Cumulative	Date	Daily	Cumulative
15-Aug	8,464	1,079,787	23-Aug	3,194	1,118,388
16-Aug	20,014	1,099,801	24-Aug	2,365	1,120,753
17-Aug	5,379	1,105,180	25-Aug	3,338	1,124,091
18-Aug	1,127	1,106,307	26-Aug	2,101	1,126,192
19-Aug	1,506	1,107,813	27-Aug	1,923	1,128,115
Weir Removed ^a			28-Aug	2,281	1,130,396
20-Aug	1,678	1,109,491	29-Aug	1,944	1,132,340
21-Aug	2,924	1,112,415	30-Aug	2,531	1,134,871
22-Aug	2,779	1,115,194	31-Aug	2,047	1,136,918

^a Postweir counts from August 20 through August 31 were based on the relationship between catch and escapement during July and August for 1996-2000.

Table 25.—Estimated sockeye salmon escapement through the Chignik River weir bound for Chignik Lake and Black Lake using daily percentages attributable to Chignik Lake, derived from the inseason scale pattern analysis and time of entry curve, 2001.

Date	Chignik Lake			Black Lake			Total	
	Percent	Daily	Cumulative	Percent	Daily	Cumulative	Daily	Cumulative
25-May	0%	0	0	100%	34	34	34	34
26-May	0%	1	1	100%	182	216	183	217
27-May	0%	1	1	100%	189	406	190	407
28-May	0%	0	2	100%	68	473	68	475
29-May	1%	4	6	99%	852	1,325	856	1,331
30-May	1%	5	11	99%	898	2,223	903	2,234
31-May	1%	6	17	99%	869	3,092	875	3,109
1-Jun	1%	3	20	99%	386	3,478	389	3,498
2-Jun	1%	2	22	99%	276	3,754	278	3,776
3-Jun	1%	27	49	99%	2,953	6,707	2,980	6,756
4-Jun	1%	70	119	99%	6,724	13,431	6,794	13,550
5-Jun	1%	60	179	99%	5,095	18,526	5,155	18,705
6-Jun	1%	16	195	99%	1,217	19,743	1,233	19,938
7-Jun	1%	106	300	99%	7,092	26,836	7,198	27,136
8-Jun	2%	258	558	98%	15,342	42,178	15,600	42,736
9-Jun	2%	270	828	98%	14,208	56,386	14,478	57,214
10-Jun	2%	228	1,056	98%	10,665	67,051	10,893	68,107
11-Jun	2%	406	1,462	98%	16,805	83,856	17,211	85,318
12-Jun	3%	489	1,951	97%	17,936	101,792	18,425	103,743
13-Jun	3%	656	2,607	97%	21,340	123,132	21,996	125,739
14-Jun	3%	635	3,242	97%	18,295	141,427	18,930	144,669
15-Jun	4%	1,208	4,450	96%	30,872	172,299	32,080	176,749
16-Jun	4%	1,634	6,084	96%	36,995	209,294	38,629	215,378
17-Jun	5%	1,788	7,872	95%	35,900	245,194	37,688	253,066
18-Jun	5%	1,252	9,124	95%	22,270	267,464	23,522	276,588
19-Jun	6%	1,710	10,834	94%	26,974	294,438	28,684	305,272
20-Jun	7%	4,095	14,929	93%	57,246	351,684	61,341	366,613
21-Jun	7%	4,519	19,448	93%	56,004	407,688	60,523	427,136
22-Jun	8%	4,158	23,606	92%	45,671	453,359	49,829	476,965
23-Jun	9%	3,568	27,174	91%	34,741	488,100	38,309	515,274
24-Jun	10%	2,985	30,159	90%	25,757	513,857	28,742	544,016
25-Jun	12%	3,673	33,832	88%	28,098	541,955	31,771	575,787
26-Jun	13%	3,949	37,781	87%	26,773	568,728	30,722	606,509
27-Jun	14%	3,641	41,422	86%	21,882	590,610	25,523	632,032
28-Jun	16%	5,471	46,893	84%	29,144	619,754	34,615	666,647
29-Jun	17%	5,774	52,667	83%	27,264	647,018	33,038	699,685
30-Jun	19%	3,442	56,109	81%	14,407	661,425	17,849	717,534
1-Jul	18%	8,199	64,308	82%	37,075	698,500	45,274	762,808
2-Jul	20%	13,501	77,809	80%	54,173	752,673	67,674	830,482
3-Jul	22%	3,648	81,457	78%	12,988	765,661	16,636	847,118
4-Jul	24%	777	82,234	76%	2,453	768,114	3,230	850,348
5-Jul	26%	291	82,525	74%	816	768,930	1,107	851,455
6-Jul	29%	664	83,189	71%	1,652	770,582	2,316	853,771
7-Jul	28%	907	84,096	72%	2,383	772,965	3,290	857,061

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Table 25.-(page 2 of 3)

Date	Chignik Lake			Black Lake			Total	
	Percent	Daily	Cumulative	Percent	Daily	Cumulative	Daily	Cumulative
8-Jul	30%	880	84,976	70%	2,057	775,022	2,937	859,998
9-Jul	33%	537	85,513	68%	1,116	776,138	1,653	861,651
10-Jul	36%	738	86,251	64%	1,316	777,454	2,054	863,705
11-Jul	39%	433	86,684	61%	686	778,140	1,119	864,824
12-Jul	42%	391	87,075	59%	550	778,690	941	865,765
13-Jul	45%	311	87,386	56%	389	779,079	700	866,465
14-Jul	47%	219	87,605	53%	244	779,323	463	866,928
15-Jul	49%	840	88,446	51%	862	780,184	1,702	868,630
16-Jul	52%	4,648	93,094	48%	4,243	784,427	8,891	877,521
17-Jul	55%	6,521	99,615	45%	5,301	789,728	11,822	889,343
18-Jul	63%	8,480	108,095	37%	5,007	794,735	13,487	902,830
19-Jul	66%	12,280	120,375	34%	6,340	801,075	18,620	921,450
20-Jul	69%	5,891	126,266	31%	2,660	803,735	8,551	930,001
21-Jul	72%	5,430	131,969	28%	2,145	805,607	7,575	937,576
22-Jul	72%	9,164	140,860	28%	3,716	809,596	12,880	950,456
23-Jul	75%	13,254	154,114	26%	4,528	814,124	17,782	968,238
24-Jul	78%	18,680	172,794	22%	5,290	819,414	23,970	992,208
25-Jul	81%	18,324	191,118	19%	4,208	823,622	22,532	1,014,740
26-Jul	85%	15,239	206,357	15%	2,752	826,374	17,991	1,032,731
27-Jul	88%	1,286	207,643	12%	174	826,548	1,460	1,034,191
28-Jul	91%	687	208,331	9%	65	826,612	752	1,034,943
29-Jul	95%	569	208,899	5%	32	826,645	601	1,035,544
30-Jul	98%	335	209,235	2%	8	826,652	343	1,035,887
31-Jul	100%	313	209,548	0%	0	826,652	313	1,036,200
1-Aug	100%	1,124	210,672	0%	0	826,652	1,124	1,037,324
2-Aug	100%	4,922	215,594	0%	0	826,652	4,922	1,042,246
3-Aug	100%	6,187	221,781	0%	0	826,652	6,187	1,048,433
4-Aug	100%	6,846	228,627	0%	0	826,652	6,846	1,055,279
5-Aug	100%	8,529	237,156	0%	0	826,652	8,529	1,063,808
6-Aug	100%	1,442	238,598	0%	0	826,652	1,442	1,065,250
7-Aug	100%	755	239,353	0%	0	826,652	755	1,066,005
8-Aug	100%	742	240,095	0%	0	826,652	742	1,066,747
9-Aug	100%	539	240,634	0%	0	826,652	539	1,067,286
10-Aug	100%	660	241,294	0%	0	826,652	660	1,067,946
11-Aug	100%	682	241,976	0%	0	826,652	682	1,068,628
12-Aug	100%	826	242,802	0%	0	826,652	826	1,069,454
13-Aug	100%	837	243,639	0%	0	826,652	837	1,070,291
14-Aug	100%	1,032	244,671	0%	0	826,652	1,032	1,071,323
15-Aug	100%	8,464	253,135	0%	0	826,652	8,464	1,079,787
16-Aug	100%	20,014	273,149	0%	0	826,652	20,014	1,099,801
17-Aug	100%	5,379	278,528	0%	0	826,652	5,379	1,105,180
18-Aug	100%	1,127	279,655	0%	0	826,652	1,127	1,106,307
19-Aug	100%	1,506	281,161	0%	0	826,652	1,506	1,107,813
20-Aug ^a	100%	1,678	282,839	0%	0	826,652	1,678	1,109,491
21-Aug ^a	100%	2,924	285,763	0%	0	826,652	2,924	1,112,415
22-Aug ^a	100%	2,779	288,542	0%	0	826,652	2,779	1,115,194

-continued-

Table 25.—(page 3 of 3)

Date	Chignik Lake			Black Lake			Total	
	Percent	Daily	Cumulative	Percent	Daily	Cumulative	Daily	Cumulative
23-Aug ^a	100%	3,194	291,736	0%	0	826,652	3,194	1,118,388
24-Aug ^a	100%	2,365	294,101	0%	0	826,652	2,365	1,120,753
25-Aug ^a	100%	3,338	297,439	0%	0	826,652	3,338	1,124,091
26-Aug ^a	100%	2,101	299,540	0%	0	826,652	2,101	1,126,192
27-Aug ^a	100%	1,923	301,463	0%	0	826,652	1,923	1,128,115
28-Aug ^a	100%	2,281	303,744	0%	0	826,652	2,281	1,130,396
29-Aug ^a	100%	1,944	305,688	0%	0	826,652	1,944	1,132,340
30-Aug ^a	100%	2,531	308,219	0%	0	826,652	2,531	1,134,871
31-Aug ^a	100%	2,047	310,266	0%	0	826,652	2,047	1,136,918

^a Postweir counts from August 20 through August 31 were based on the relationship between catch and escapement during July and August for 1996-2000.

Table 26.—Harvest of Chignik bound sockeye salmon by regulation in the Chignik, Cape Igvak, and Southeastern District Mainland Areas, 1964-2001.

Year	Chignik Area		Cape Igvak ^a		SEMD ^a		Total All Areas
	Catch	Percent	Catch	Percent	Catch	Percent	
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	429,835

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

1973 ^d	769,258	88.97	57,348	6.63	37,983	4.39	864,859
1974	530,278	73.61	122,071	16.95	68,029	9.44	720,378
1975	115,984	81.78	23,635	16.67	2,205	1.55	141,824
1976	792,024	82.96	117,926	12.35	44,730	4.69	954,680
1977	1,547,285	90.40	128,852	7.53	35,502	2.07	1,711,639
1978 ^{e,f}	1,454,389	85.38	227,014	13.33	22,064	1.30	1,703,467
1979 ^g	794,504	91.81	13,950	1.61	56,878	6.57	865,332
1980	670,001	91.31	32	0.00	63,724	8.68	733,757
1981	1,606,300	79.85	282,727	14.06	122,533	6.09	2,011,560
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	5.60	871,217
1986	1,456,729	82.64	188,017	10.67	118,006	6.69	1,762,752
1987	1,659,615	77.99	321,506	15.11	146,886	6.90	2,128,007
1988	675,487	95.67	11,218	1.59	19,320	2.74	706,025
1989	496,044	99.10	0	0.00	4,485	0.90	500,529
1990	1,205,575	83.61	107,706	7.47	128,599	8.92	1,441,880
1991 ⁱ	1,958,954	80.42	324,329	13.31	152,714	6.27	2,435,997
1992 ^j	1,054,309	81.07	152,358	11.72	93,845	7.22	1,300,512
1993	1,495,098	77.72	300,055	15.60	128,536	6.68	1,923,689
1994 ^k	1,632,435	80.61	250,230	12.36	142,350	7.03	2,025,015
1995	1,024,785	79.90	169,530	13.22	88,301	6.88	1,282,616
1996 ^l	1,710,249	79.70	308,327	14.37	127,201	5.93	2,145,777
1997	443,892	100.00	0	0.00	0	0.00	443,892
1998 ^{mm}	786,466	91.2	8,812	1.00	66,893	7.80	862,171
1999	2,326,811	78.7	456,147	15.40	173,621	5.90	2,956,579
2000	1,509,652	80.0	272,808	14.50	103,419	5.50	1,885,879
2001 ^o	1,143,990	79.54	215,214	14.96	79,037	5.50	1,438,241

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Table 26.—(page 2 of 2)

- ^a The Cape Igvak and Southeastern District Mainland figures represent 80% of the total sockeye salmon catches for those areas as it is estimated that roughly 80% of the sockeye salmon caught in the Cape Igvak section and Southeastern District Mainland Area (excluding sockeye salmon caught in Northwest Stepovak Section from 1964-1991 and 1996-2000 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 Southeastern 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.
- ^c Catches (1970-1992) were updated using historical electronic fish ticket databases.
- ^d During 1973 through 1977 all three fisheries were managed on a day by day basis.
- ^e From 1978-1991, 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 Southeastern District Mainland. The set gillnet 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 Southeastern District Mainland Area with a ceiling of an estimated 60,000 sockeye destined for Chignik. If the Chignik Area sockeye catch was 1,000,000 or more before July 11, the 60,000 ceiling was to be dropped.
- ^h Beginning in 1985, Southeastern District Mainland Area (excluding the Northwest Stepovak Section from 1964-1991 and Orzinski Bay statistical area) was placed on an allocation of 6.2 percent of the total estimated Chignik sockeye salmon catch through July 25. After July 25, the Southeastern 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 foregone harvest of 278,305 sockeye salmon counted past the weir during the Chignik Area seiners' boycott (Jun 23-Jul 4).
- ^j Review of Orzinski Lake historical and current escapement records led the Alaska Board of Fisheries to redefine the Southeastern District Mainland Management Plan. Beginning in 1992, the Southeastern District Mainland fishery (excluding Orzinski Bay) was placed on an allocation of 7.0 percent of the total estimated Chignik sockeye salmon catch through July 25.
- ^k Includes foregone harvest of 208,921 sockeye salmon counted past the weir during the Chignik Area seiners' strike (Jun 22-Jun 25).
- ^l During their January 1996 meeting, the BOF increased the area to be managed for local Orzinski Lake sockeye salmon from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1, the entire Northwest Stepovak Section will be managed on an allocation based on the strength of the Chignik sockeye salmon runs. Beginning July 1, the Northwest Stepovak Section will be managed entirely on local stocks. The BOF also decreased the percentage of sockeye salmon allocated to the SEDM fishery from 7% to 6% to attempt to maintain traditional harvest levels of Chignik bound sockeye salmon in the SEDM fishery.
- ^m During their January 1998 meeting, the BOF reduced the area managed entirely for local Orzinski Lake sockeye salmon from the entire Northwest Stepovak Section to only Orzinski Bay. All sockeye salmon caught in the Northwest Stepovak Section beginning July 1 will still be considered 100% local fish and not counted toward the 6% allocation. Remainder of SEDM sockeye salmon harvest allocated as 80% Chignik bound fish. Assures minimum harvest of 600,000 sockeye salmon in Chignik through July 25.
- ⁿ Includes 7,714 sockeye salmon caught by the Chignik Seiners Association (CSA) and foregone harvest of 52,131 sockeye salmon escapement counted past the weir during the CSA boycott (Jun 16-29, 1998).
- ^o Due to an industry price dispute, foregone harvests of 398,887 sockeye salmon in the CMA and 27,896 in the SEDM were applied to the allocation formula.
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Table 27.—Sockeye salmon age compositions of Chignik Lagoon commercial and test fishery scale samples, 2001.

Date		Ages												Total ^a	
		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
6/6/01	^b Numbers	0	4	0	0	10	284	1	0	2	10	0	0	0	311
	Percent	0	1	0	0	3	91	0	0	1	3	0	0	0	
6/11/01	^b Numbers	0	3	0	0	7	283	2	0	0	18	1	0	0	314
	Percent	0	1	0	0	2	90	1	0	0	6	0	0	0	
6/13/01	^b Numbers	0	8	1	0	15	476	4	0	3	23	1	0	0	531
	Percent	0	2	0	0	3	90	1	0	1	4	0	0	0	
6/16/01	Numbers	0	6	0	0	18	380	7	0	5	17	0	0	0	433
	Percent	0	1	0	0	4	88	2	0	1	4	0	0	0	
6/19/01	Numbers	0	2	0	0	12	400	2	0	4	26	0	0	0	446
	Percent	0	0	0	0	3	90	0	0	1	6	0	0	0	
6/20/01	Numbers	0	4	2	1	15	457	7	0	0	8	1	0	0	495
	Percent	0	1	0	0	3	92	1	0	0	2	0	0	0	
6/22/01	Numbers	0	2	0	1	24	480	0	0	3	7	0	0	0	517
	Percent	0	0	0	0	5	93	0	0	1	1	0	0	0	
6/25/01	Numbers	0	3	0	0	32	439	1	0	3	22	0	0	0	500
	Percent	0	1	0	0	6	88	0	0	1	4	0	0	0	
6/28/01	^b Numbers	0	1	0	0	18	393	2	1	3	13	0	0	0	431
	Percent	0	0	0	0	4	91	0	0	1	3	0	0	0	
7/1/01	^b Numbers	0	1	0	0	27	400	1	1	6	21	0	0	0	457
	Percent	0	0	0	0	6	88	0	0	1	5	0	0	0	
7/3/01	Numbers	0	4	0	0	19	481	2	1	6	15	0	0	0	528
	Percent	0	1	0	0	4	91	0	0	1	3	0	0	0	
7/6/01	Numbers	0	1	0	0	16	442	3	0	6	7	0	0	0	475
	Percent	0	0	0	0	3	93	1	0	1	1	0	0	0	
7/9/01	Numbers	1	0	1	0	12	319	2	0	3	111	0	0	0	449
	Percent	0	0	0	0	3	71	0	0	1	25	0	0	0	
7/13/01	Numbers	0	1	0	1	12	336	3	0	7	117	0	0	0	477
	Percent	0	0	0	0	3	70	1	0	1	25	0	0	0	
7/16/01	^b Numbers	0	4	0	1	10	319	3	0	2	140	0	0	1	480
	Percent	0	1	0	0	2	66	1	0	0	29	0	0	0	
7/20/01	^b Numbers	0	0	0	0	7	306	1	0	8	157	0	0	0	479
	Percent	0	0	0	0	1	64	0	0	2	33	0	0	0	

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Table 27.—(page 2 of 2)

Date		Ages												Total ^a	
		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
7/25/01	^b Numbers	0	0	0	0	12	274	0	0	18	150	2	0	0	456
	Percent	0	0	0	0	3	60	0	0	4	33	0	0	0	
7/31/01	Numbers	0	0	0	2	19	117	1	2	39	296	2	0	1	479
	Percent	0	0	0	0	4	24	0	0	8	62	0	0	0	
8/6/01	Numbers	0	0	0	1	5	102	0	1	20	295	2	1	0	427
	Percent	0	0	0	0	1	24	0	0	5	69	0	0	0	
8/13/01	Numbers	0	1	0	0	2	78	1	0	8	391	0	0	0	481
	Percent	0	0	0	0	0	16	0	0	2	81	0	0	0	
8/21/01	Numbers	0	1	0	1	0	39	0	1	6	409	0	2	3	462
	Percent	0	0	0	0	0	8	0	0	1	89	0	0	1	
8/24/01	Numbers	0	1	0	0	0	31	0	1	3	424	2	3	1	466
	Percent	0	0	0	0	0	7	0	0	1	91	0	1	0	
8/30/01	Numbers	0	0	0	0	1	37	0	0	24	405	1	8	0	476
	Percent	0	0	0	0	0	8	0	0	5	85	0	2	0	
Total	Numbers	1	47	4	8	293	6,873	43	8	179	3,082	12	14	6	10,570
	Percent	0	0	0	0	3	65	0	0	2	29	0	0	0	

^a Percentages may not total to 100% due to errors in rounding.

^b Sample was collected from the Department's test fishery.

Table 28.—Daily and cumulative sockeye salmon escapement and catch estimates as determined by postseason scale pattern analysis for the early run stock (adjusted to Chignik Lagoon date), 2001.

Date	Escapement Counts ^a	Catch ^{b,c}	Daily Total	Cumulative Catch and Escapement	Cumulative Percent
24-May	34	0	34	34	0.0
25-May	181	0	181	215	0.0
26-May	188	0	188	403	0.0
27-May	67	0	67	470	0.0
28-May	846	0	846	1,316	0.1
29-May	891	0	891	2,207	0.2
30-May	862	0	862	3,069	0.2
31-May	383	0	383	3,452	0.3
1-Jun	273	0	273	3,725	0.3
2-Jun	2,920	0	2,920	6,645	0.5
3-Jun	6,642	0	6,642	13,287	1.0
4-Jun	5,027	0	5,027	18,314	1.4
5-Jun	1,199	0	1,199	19,513	1.5
6-Jun	6,980	361	7,341	26,854	2.1
7-Jun	15,058	0	15,058	41,912	3.2
8-Jun	13,922	0	13,922	55,834	4.3
9-Jun	10,431	29	10,460	66,294	5.1
10-Jun	16,405	0	16,405	82,699	6.3
11-Jun	17,472	387	17,859	100,558	7.7
12-Jun	20,751	0	20,751	121,309	9.3
13-Jun	17,746	1,700	19,446	140,755	10.8
14-Jun	29,857	0	29,857	170,612	13.1
15-Jun	35,673	0	35,673	206,285	15.8
16-Jun	34,503	5,640	40,143	246,428	18.9
17-Jun	21,303	0	21,303	267,731	20.5
18-Jun	25,703	0	25,703	293,434	22.5
19-Jun	54,319	1,729	56,048	349,482	26.8
20-Jun	53,080	31,388	84,468	433,950	33.2
21-Jun	43,057	0	43,057	477,007	36.5
22-Jun	32,569	21,940	54,509	531,516	40.7
23-Jun	23,956	35,918	59,874	591,390	45.3
24-Jun	25,962	23,526	49,488	640,878	49.1
25-Jun	24,560	0	24,560	665,438	51.0
26-Jun	19,924	3,297	23,221	688,659	52.7
27-Jun	26,303	13,115	39,418	728,077	55.8
28-Jun	24,368	885	25,253	753,330	57.7
29-Jun	12,740	41,332	54,072	807,402	61.8
30-Jun	31,173	27,063	58,236	865,638	66.2
1-Jul	44,783	34,549	79,332	944,970	72.3
2-Jul	10,524	28,889	39,413	984,383	75.3

-continued-

Table 28.—(page 2 of 2)

Date	Escapement Counts ^a	Catch ^{b,c}	Daily Total	Cumulative Catch and Escapement	Cumulative Percent
3-Jul	1,946	30,521	32,467	1,016,850	77.8
4-Jul	631	30,352	30,983	1,047,833	80.2
5-Jul	1,243	29,087	30,330	1,078,163	82.5
6-Jul	1,653	26,099	27,752	1,105,915	84.6
7-Jul	1,456	22,214	23,670	1,129,585	86.4
8-Jul	766	19,925	20,691	1,150,276	88.0
9-Jul	885	21,615	22,500	1,172,776	89.7
10-Jul	446	20,289	20,735	1,193,511	91.3
11-Jul	343	16,866	17,209	1,210,720	92.6
12-Jul	232	9,124	9,356	1,220,076	93.3
13-Jul	137	17,073	17,210	1,237,286	94.7
14-Jul	465	10,835	11,300	1,248,586	95.5
15-Jul	2,137	8,165	10,302	1,258,888	96.3
16-Jul	2,459	2,755	5,214	1,264,102	96.7
17-Jul	2,554	4,044	6,598	1,270,700	97.2
18-Jul	2,957	1,760	4,717	1,275,417	97.6
19-Jul	1,103	1,088	2,191	1,277,608	97.7
20-Jul	833	281	1,114	1,278,722	97.8
21-Jul	1,407	0	1,407	1,280,129	97.9
22-Jul	1,787	0	1,787	1,281,916	98.1
23-Jul	2,197	0	2,197	1,284,113	98.2
24-Jul	1,864	0	1,864	1,285,977	98.4
25-Jul	1,328	199	1,527	1,287,504	98.5
26-Jul	182	10,410	10,592	1,298,096	99.3
27-Jul	81	3,115	3,196	1,301,292	99.6
28-Jul	54	2,338	2,392	1,303,684	99.7
29-Jul	25	1,333	1,358	1,305,042	99.8
30-Jul	17	1,047	1,064	1,306,106	99.9
31-Jul	44	669	713	1,306,819	100.0
1-Aug	113	113	226	1,307,045	100.0
2-Aug	33	11	44	1,307,089	100.0
3-Aug	0	0	0	1,307,089	100.0

^a Postweir counts from August 20 through August 31 were based on the relationship between catch and escapement during July and August for 1996-2000.

^b Includes 80% of the catches through July 25 from Cape Igvak and Southeastern District Mainland.

^c Does not include catch designated as personal or subsistence use.

Table 29.—Daily and cumulative sockeye salmon escapement and catch estimates as determined by postseason scale pattern analysis for the late run stock (adjusted to Chignik Lagoon date), 2001.

Date	Escapement Counts ^a	Catch ^{b,c}	Daily Total	Cumulative Catch and Escapement	Cumulative Percent
24-May	0	0	0	0	0.0
25-May	2	0	2	2	0.0
26-May	2	0	2	4	0.0
27-May	1	0	1	5	0.0
28-May	10	0	10	15	0.0
29-May	12	0	12	27	0.0
30-May	13	0	13	40	0.0
31-May	6	0	6	46	0.0
1-Jun	5	0	5	51	0.0
2-Jun	60	0	60	111	0.0
3-Jun	152	0	152	263	0.0
4-Jun	128	0	128	391	0.0
5-Jun	34	0	34	425	0.0
6-Jun	218	11	229	654	0.0
7-Jun	542	0	542	1,196	0.1
8-Jun	556	0	556	1,752	0.1
9-Jun	462	1	463	2,215	0.1
10-Jun	806	0	806	3,021	0.2
11-Jun	953	21	974	3,995	0.2
12-Jun	1,245	0	1,245	5,240	0.3
13-Jun	1,184	113	1,297	6,537	0.4
14-Jun	2,223	0	2,223	8,760	0.5
15-Jun	2,956	0	2,956	11,716	0.7
16-Jun	3,185	521	3,706	15,422	1.0
17-Jun	2,219	0	2,219	17,641	1.1
18-Jun	2,981	0	2,981	20,622	1.3
19-Jun	7,022	223	7,245	27,867	1.7
20-Jun	7,443	4,401	11,844	39,711	2.5
21-Jun	6,772	0	6,772	46,483	2.9
22-Jun	5,740	3,867	9,607	56,090	3.5
23-Jun	4,786	7,175	11,961	68,051	4.2
24-Jun	5,809	5,265	11,074	79,125	4.9
25-Jun	6,162	0	6,162	85,287	5.3
26-Jun	5,599	926	6,525	91,812	5.7
27-Jun	8,312	4,144	12,456	104,268	6.5
28-Jun	8,670	315	8,985	113,253	7.0
29-Jun	5,109	16,576	21,685	134,938	8.4
30-Jun	14,101	12,242	26,343	161,281	10.0
1-Jul	22,891	17,660	40,551	201,832	12.6
2-Jul	6,112	16,777	22,889	224,721	14.0
3-Jul	1,284	20,140	21,424	246,145	15.3
4-Jul	476	22,904	23,380	269,525	16.8

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Table 29.—(page 2 of 3)

Date	Escapement Counts ^a	Catch ^{b,c}	Daily Total	Cumulative Catch and Escapement	Cumulative Percent
24-May	0	0	0	0	0.0
25-May	2	0	2	2	0.0
26-May	2	0	2	4	0.0
27-May	1	0	1	5	0.0
28-May	10	0	10	15	0.0
29-May	12	0	12	27	0.0
30-May	13	0	13	40	0.0
31-May	6	0	6	46	0.0
1-Jun	5	0	5	51	0.0
2-Jun	60	0	60	111	0.0
3-Jun	152	0	152	263	0.0
4-Jun	128	0	128	391	0.0
5-Jun	34	0	34	425	0.0
6-Jun	218	11	229	654	0.0
7-Jun	542	0	542	1,196	0.1
8-Jun	556	0	556	1,752	0.1
9-Jun	462	1	463	2,215	0.1
10-Jun	806	0	806	3,021	0.2
11-Jun	953	21	974	3,995	0.2
12-Jun	1,245	0	1,245	5,240	0.3
13-Jun	1,184	113	1,297	6,537	0.4
14-Jun	2,223	0	2,223	8,760	0.5
15-Jun	2,956	0	2,956	11,716	0.7
16-Jun	3,185	521	3,706	15,422	1.0
17-Jun	2,219	0	2,219	17,641	1.1
18-Jun	2,981	0	2,981	20,622	1.3
19-Jun	7,022	223	7,245	27,867	1.7
20-Jun	7,443	4,401	11,844	39,711	2.5
21-Jun	6,772	0	6,772	46,483	2.9
22-Jun	5,740	3,867	9,607	56,090	3.5
23-Jun	4,786	7,175	11,961	68,051	4.2
24-Jun	5,809	5,265	11,074	79,125	4.9
25-Jun	6,162	0	6,162	85,287	5.3
26-Jun	5,599	926	6,525	91,812	5.7
27-Jun	8,312	4,144	12,456	104,268	6.5
28-Jun	8,670	315	8,985	113,253	7.0
29-Jun	5,109	16,576	21,685	134,938	8.4
30-Jun	14,101	12,242	26,343	161,281	10.0
1-Jul	22,891	17,660	40,551	201,832	12.6
2-Jul	6,112	16,777	22,889	224,721	14.0
3-Jul	1,284	20,140	21,424	246,145	15.3
4-Jul	476	22,904	23,380	269,525	16.8

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Table 29.—(page 3 of 3)

Date	Escapement Counts ^a	Catch ^{b,c}	Daily Total	Cumulative Catch and Escapement	Cumulative Percent
16-Aug	5,379	24,946	30,325	1,243,009	77.3
17-Aug	1,127	20,413	21,540	1,264,549	78.7
18-Aug	1,506	26,891	28,397	1,292,946	80.4
19-Aug	1,678	19,479	21,157	1,314,103	81.8
20-Aug	2,924	6,899	9,823	1,323,926	82.4
21-Aug	2,779	23,319	26,098	1,350,024	84.0
22-Aug	3,194	31,218	34,412	1,384,436	86.1
23-Aug	2,365	22,421	24,786	1,409,222	87.7
24-Aug	3,338	30,739	34,077	1,443,299	89.8
25-Aug	2,101	26,356	28,457	1,471,756	91.6
26-Aug	1,923	17,050	18,973	1,490,729	92.7
27-Aug	2,281	25,897	28,178	1,518,907	94.5
28-Aug	1,944	22,345	24,289	1,543,196	96.0
29-Aug	2,531	25,350	27,881	1,571,077	97.7
30-Aug	2,047	16,224	18,271	1,589,348	98.9
31-Aug	0	15,780	15,780	1,605,128	99.9
1-Sep	0	82	82	1,605,210	99.9
2-Sep	0	0	0	1,605,210	99.9
3-Sep	0	0	0	1,605,210	99.9
4-Sep	0	0	0	1,605,210	99.9
5-Sep	0	0	0	1,605,210	99.9
6-Sep	0	2,098	2,098	1,607,308	100.0
7-Sep	0	0	0	1,607,308	100.0

^a Postweir counts from August 20 through August 31 were based on the relationship between catch and escapement during July and August for 1996-2000.

^b Includes 80% of the catches through July 25 from Cape Igvak and Southeastern District Mainland.

^c Does not include catch designated as personal or subsistence use.

Table 30.—Daily estimated Chignik River sockeye salmon escapement, catch destined to the Chignik Lakes system by regulation, and total run, by day and area (adjusted to Chignik Lagoon date), 2001.

Date	Escapement Counts ^a	Catch ^{b,c}	Daily Total	Cumulative Catch and Escapement	Cumulative Percent
24-May	0	0	0	0	0.0
25-May	2	0	2	2	0.0
26-May	2	0	2	4	0.0
27-May	1	0	1	5	0.0
28-May	10	0	10	15	0.0
29-May	12	0	12	27	0.0
30-May	13	0	13	40	0.0
31-May	6	0	6	46	0.0
1-Jun	5	0	5	51	0.0
2-Jun	60	0	60	111	0.0
3-Jun	152	0	152	263	0.0
4-Jun	128	0	128	391	0.0
5-Jun	34	0	34	425	0.0
6-Jun	218	11	229	654	0.0
7-Jun	542	0	542	1,196	0.1
8-Jun	556	0	556	1,752	0.1
9-Jun	462	1	463	2,215	0.1
10-Jun	806	0	806	3,021	0.2
11-Jun	953	21	974	3,995	0.2
12-Jun	1,245	0	1,245	5,240	0.3
13-Jun	1,184	113	1,297	6,537	0.4
14-Jun	2,223	0	2,223	8,760	0.5
15-Jun	2,956	0	2,956	11,716	0.7
16-Jun	3,185	521	3,706	15,422	1.0
17-Jun	2,219	0	2,219	17,641	1.1
18-Jun	2,981	0	2,981	20,622	1.3
19-Jun	7,022	223	7,245	27,867	1.7
20-Jun	7,443	4,401	11,844	39,711	2.5
21-Jun	6,772	0	6,772	46,483	2.9
22-Jun	5,740	3,867	9,607	56,090	3.5
23-Jun	4,786	7,175	11,961	68,051	4.2
24-Jun	5,809	5,265	11,074	79,125	4.9
25-Jun	6,162	0	6,162	85,287	5.3
26-Jun	5,599	926	6,525	91,812	5.7
27-Jun	8,312	4,144	12,456	104,268	6.5
28-Jun	8,670	315	8,985	113,253	7.0
29-Jun	5,109	16,576	21,685	134,938	8.4
30-Jun	14,101	12,242	26,343	161,281	10.0
1-Jul	22,891	17,660	40,551	201,832	12.6
2-Jul	6,112	16,777	22,889	224,721	14.0
3-Jul	1,284	20,140	21,424	246,145	15.3
4-Jul	476	22,904	23,380	269,525	16.8

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Table 30.—(page 2 of 3)

Date	Escapement Counts ^a	Catch ^{b,c}	Daily Total	Cumulative Catch and Escapement	Cumulative Percent
24-May	0	0	0	0	0.0
25-May	2	0	2	2	0.0
26-May	2	0	2	4	0.0
27-May	1	0	1	5	0.0
28-May	10	0	10	15	0.0
29-May	12	0	12	27	0.0
30-May	13	0	13	40	0.0
31-May	6	0	6	46	0.0
1-Jun	5	0	5	51	0.0
2-Jun	60	0	60	111	0.0
3-Jun	152	0	152	263	0.0
4-Jun	128	0	128	391	0.0
5-Jun	34	0	34	425	0.0
6-Jun	218	11	229	654	0.0
7-Jun	542	0	542	1,196	0.1
8-Jun	556	0	556	1,752	0.1
9-Jun	462	1	463	2,215	0.1
10-Jun	806	0	806	3,021	0.2
11-Jun	953	21	974	3,995	0.2
12-Jun	1,245	0	1,245	5,240	0.3
13-Jun	1,184	113	1,297	6,537	0.4
14-Jun	2,223	0	2,223	8,760	0.5
15-Jun	2,956	0	2,956	11,716	0.7
16-Jun	3,185	521	3,706	15,422	1.0
17-Jun	2,219	0	2,219	17,641	1.1
18-Jun	2,981	0	2,981	20,622	1.3
19-Jun	7,022	223	7,245	27,867	1.7
20-Jun	7,443	4,401	11,844	39,711	2.5
21-Jun	6,772	0	6,772	46,483	2.9
22-Jun	5,740	3,867	9,607	56,090	3.5
23-Jun	4,786	7,175	11,961	68,051	4.2
24-Jun	5,809	5,265	11,074	79,125	4.9
25-Jun	6,162	0	6,162	85,287	5.3
26-Jun	5,599	926	6,525	91,812	5.7
27-Jun	8,312	4,144	12,456	104,268	6.5
28-Jun	8,670	315	8,985	113,253	7.0
29-Jun	5,109	16,576	21,685	134,938	8.4
30-Jun	14,101	12,242	26,343	161,281	10.0
1-Jul	22,891	17,660	40,551	201,832	12.6
2-Jul	6,112	16,777	22,889	224,721	14.0
3-Jul	1,284	20,140	21,424	246,145	15.3
4-Jul	476	22,904	23,380	269,525	16.8

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Table 30.—(page 3 of 3)

Date	Chignik Weir Escapement ^d	Catch Areas ^{a,b,c}								Daily Total
		Chignik Lagoon	Outer Chignik Bay / Kujulik	Cape Kumlik	Eastern District	Cape Igvak	Western District	Perryville District	Southeast Mainland	
25-Aug	2,101	19,972	4,237	2,147	0	0	0	0	0	28,457
26-Aug	1,923	14,269	2,157	624	0	0	0	0	0	18,973
27-Aug	2,281	19,430	2,300	4,167	0	0	0	0	0	28,178
28-Aug	1,944	16,557	2,831	2,957	0	0	0	0	0	24,289
29-Aug	2,531	21,560	3,790	0	0	0	0	0	0	27,881
30-Aug	2,047	15,219	1,005	0	0	0	0	0	0	18,271
31-Aug	0	15,516	264	0	0	0	0	0	0	15,780
1-Sep	0	0	82	0	0	0	0	0	0	82
2-Sep	0	0	0	0	0	0	0	0	0	0
3-Sep	0	0	0	0	0	0	0	0	0	0
4-Sep	0	0	0	0	0	0	0	0	0	0
5-Sep	0	0	0	0	0	0	0	0	0	0
6-Sep	0	2,098	0	0	0	0	0	0	0	2,098
7-Sep	0	0	0	0	0	0	0	0	0	0
8-Sep	0	0	0	0	0	0	0	0	0	0
9-Sep	0	0	0	0	0	0	0	0	0	0
10-Sep	0	0	0	0	0	0	0	0	0	0
Total	1,136,918	1,082,074	250,838	131,334	28,377	215,212	17,673	1,074	51,141	2,914,641

- ^a Assigned travel time to Chignik Lagoon from Cape Igvak and Southeastern District Mainland = 5 days, Eastern and Perryville Districts = 3 days, Western and Cape Kumlik = 2 days, Outer Chignik Bay and Kujulik Bay = 1 day, and Chignik Weir = (-) 1 day.
- ^b Does not include salmon retained from the commercial harvest and not sold or subsistence harvest.
- ^c Includes 80% of the catches through July 25 from Cape Igvak and Southeastern District Mainland.
- ^d Postweir counts from August 20 through August 31 were based on the relationship between catch and escapement during July and August for 1996-2000.

Table 31.—Early run weekly sockeye salmon escapement, by age class, as estimated by postseason scale pattern analysis, 2001.

Week	Stat.	Week	Age Class													Total ^a
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Other	
May 24-May 30	22	Number	0	0	39	99	0	2807	19	10	95	0	0	0	0	3,069
		Percent	0.0	0.0	1.3	3.2	0.0	91.5	0.6	0.3	3.1	0.0	0.0	0.0	0.0	
May 31-Jun 6	23	Number	0	0	301	755	0	21,437	143	75	713	0	0	0	0	23,424
		Percent	0.0	0.0	1.3	3.2	0.0	91.5	0.6	0.3	3.0	0.0	0.0	0.0	0.0	
Jun 7-Jun 13	24	Number	0	0	1,280	2,731	0	100,937	203	757	5,498	0	306	0	73	111,785
		Percent	0.0	0.0	1.1	2.4	0.0	90.3	0.2	0.7	4.9	0.0	0.3	0.0	0.1	
Jun 14-Jun 20	25	Number	0	107	2,271	8,524	0	228,491	1,925	2823	9,975	0	107	0	214	254,438
		Percent	0.0	0.0	0.9	3.4	0.0	89.8	0.8	1.1	3.9	0.0	0.0	0.0	0.1	
Jun 21-Jun 27	26	Number	0	146	847	10,226	107	178,054	1,150	364	5,436	0	0	0	0	196,331
		Percent	0.0	0.1	0.4	5.2	0.1	90.7	0.6	0.2	2.8	0.0	0.0	0.0	0.0	
Jun 28-Jul 4	27	Number	0	0	346	6,718	274	111,640	1,524	358	5,303	0	0	0	0	126,165
		Percent	0.0	0.0	0.3	5.3	0.2	88.5	1.2	0.3	4.2	0.0	0.0	0.0	0.0	
Jul 5-Jul 11	28	Number	7	2	8	191	0	5,196	85	37	1,260	0	0	0	7	6,792
		Percent	0.1	0.0	0.1	2.8	0.0	76.5	1.3	0.5	18.6	0.0	0.0	0.0	0.1	
Jul 12-Jul 18	29	Number	0	11	43	104	0	3,642	248	45	6,836	0	0	11	0	10,941
		Percent	0.0	0.1	0.4	0.9	0.0	33.3	2.3	0.4	62.5	0.0	0.0	0.1	0.0	
Jul 19-Jul 25	30	Number	0	0	0	2	0	91	1,005	4	9,381	0	36	0	0	10,519
		Percent	0.0	0.0	0.0	0.0	0.0	0.9	9.6	0.0	89.2	0.0	0.3	0.0	0.0	
Jul 26-Aug 1	31	Number	0	2	0	0	2	0	53	1	455	0	2	1	0	516
		Percent	0.0	0.4	0.0	0.0	0.4	0.0	10.3	0.2	88.2	0.1	0.4	0.2	0.0	
Aug 2-Aug 8	32	Number	0	0	0	0	0	0	2	0	31	0	0	0	0	33
		Percent	0.0	0.2	0.0	0.0	0.2	0.0	6.3	0.0	92.7	0.2	0.5	0.0	0.0	
Total		Number	7	268	5,135	29,350	383	652,295	6,357	4,474	44,983	0	451	12	294	744,013
		Percent	0.0	0.0	0.7	3.9	0.1	87.7	0.9	0.6	6.0	0.0	0.1	0.0	0.0	

^a Rounding errors (fractions of fish dropped or added during printing) often cause weekly totals to differ from the sum of the age classes. Lake destination (Black Lake or Chignik Lake) is estimated from samples of fish of ages 1.3 and 2.3 only. The age composition of catch and escapement (c/e) is estimated and the destination of age 1.3 fish is applied to the c/e of age 1.3 and 1.2 fish. Similarly, the destination of age 2.3 fish is applied to 2.3 and 2.2 fish. The average of these four age classes is used to estimate the destination of all other ages. These estimates are calculated for each day. The results are summed by week and rounded for printing.

Table 32.—Weekly sockeye salmon early run catch , by age class, estimated by postseason scale pattern analysis, 2001.

Week	Stat. Week	Age Class													Total ^{a,b}	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Other		
May 31-Jun 6	23	Number	0	0	5	12	0	330	2	1	11	0	0	0	0	361
		Percent	0.0	0.0	1.3	3.2	0.0	91.5	0.6	0.3	3.0	0.0	0.0	0.0	0.0	100
Jun 7-Jun 13	24	Number	0	0	30	57	0	1,905	9	15	91	0	5	0	3	2,116
		Percent	0.0	0.0	1.4	2.7	0.0	90.0	0.4	0.7	4.3	0.0	0.2	0.0	0.2	100
Jun 14-Jun 20	25	Number	0	63	340	1,234	0	35,537	75	543	774	0	63	0	127	38,757
		Percent	0.0	0.2	0.9	3.2	0.0	91.7	0.2	1.4	2.0	0.0	0.2	0.0	0.3	100
Jun 21-Jun 27	26	Number	0	42	480	5,521	38	87,708	569	195	3,242	0	0	0	0	97,796
		Percent	0.0	0.0	0.5	5.6	0.0	89.7	0.6	0.2	3.3	0.0	0.0	0.0	0.0	100
Jun 28-Jul 4	27	Number	0	0	741	9,261	340	172,887	2,544	646	7,173	0	0	0	0	193,591
		Percent	0.0	0.0	0.4	4.8	0.2	89.3	1.3	0.3	3.7	0.0	0.0	0.0	0.0	100
Jul 5-Jul 11	28	Number	142	78	194	4,225	0	115,378	2,102	865	32,968	0	0	0	142	156,095
		Percent	0.1	0.0	0.1	2.7	0.0	73.9	1.3	0.6	21.1	0.0	0.0	0.0	0.1	100
Jul 12-Jul 18	29	Number	0	100	237	868	0	26,056	965	313	25,173	0	0	45	0	53,756
		Percent	0.0	0.2	0.4	1.6	0.0	48.5	1.8	0.6	46.8	0.0	0.0	0.1	0.0	100
Jul 19-Jul 25	30	Number	0	0	0	2	0	90	83	3	1,389	0	1	0	0	1,568
		Percent	0.0	0.0	0.0	0.1	0.0	5.7	5.3	0.2	88.6	0.0	0.1	0.0	0.0	100
Jul 26-Aug 1	31	Number	0	80	0	0	80	0	2,172	40	16,533	0	80	40	0	19,025
		Percent	0.0	0.4	0.0	0.0	0.4	0.0	11.4	0.2	86.9	0.0	0.4	0.2	0.0	100

-continued-

Table 32.—(page 2 of 2)

Week	Stat.	Week	Age Class												Total ^{a,b}	
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3		Other
Aug 2-Aug 8	32	Number	0	0	0	0	0	0	1	0	10	0	0	0	0	11
		Percent	0.0	0.2	0.0	0.0	0.2	0.0	6.3	0.0	93.1	0.2	0.5	0.0	0.0	100
Total		Number	142	363	2,027	21,180	458	439,891	8,522	2,621	87,364	0	149	85	272	563,076
		Percent	0.0	0.1	0.4	3.8	0.1	78.1	1.5	0.5	15.5	0.0	0.0	0.0	0.0	

^a Includes 80% of the catches through July 25 from Cape Igvak and Southeastern District Mainland, and catches from the Chignik Lagoon test fishery. Does not include salmon retained from the commercial harvest and not sold or subsistence harvest.

^b Rounding errors (fractions of fish dropped or added during printing) often cause weekly totals to differ from the sum of the age classes. Lake destination (Black Lake or Chignik Lake) is estimated from samples of fish of ages 1.3 and 2.3 only. The age composition of catch and escapement (c/e) is estimated and the destination of age 1.3 fish is applied to the c/e of age 1.3 and 1.2 fish. Similarly, the destination of age 2.3 fish is applied to 2.3 and 2.2 fish. The average of these four age classes is used to estimate the destination of all other ages. These estimates are calculated for each day. The results are summed by week and rounded for printing.

Table 33.—Late run weekly sockeye salmon escapement, by age class, estimated by postseason scale pattern analysis, 2001.

Week	Stat.	Week	Age Class													Total ^a
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Other	
May 24-May 30	22	Number	0	0	1	1	0	32	1	0	5	0	0	0	0	40
		Percent	0.0	0.0	1.3	2.8	0.0	79.5	2.7	0.3	13.4	0.0	0.0	0.0	0.0	
May 31-Jun 6	23	Number	0	0	8	18	0	504	12	2	60	0	0	0	0	603
		Percent	0.0	0.0	1.3	2.9	0.0	83.6	2.0	0.3	9.9	0.0	0.0	0.0	0.0	
Jun 7-Jun 13	24	Number	0	0	68	133	0	4,794	28	39	667	0	15	0	5	5,748
		Percent	0.0	0.0	1.2	2.3	0.0	83.4	0.5	0.7	11.6	0.0	0.3	0.0	0.1	
Jun 14-Jun 20	25	Number	0	15	230	872	0	24,350	345	294	1,878	0	15	0	30	28,029
		Percent	0.0	0.1	0.8	3.1	0.0	86.9	1.2	1.0	6.7	0.0	0.1	0.0	0.1	
Jun 21-Jun 27	26	Number	0	24	181	2,216	32	38,716	328	98	1,585	0	0	0	0	43,180
		Percent	0.0	0.1	0.4	5.1	0.1	89.7	0.8	0.2	3.7	0.0	0.0	0.0	0.0	
Jun 28-Jul 4	27	Number	0	0	169	3,142	126	52,096	663	163	2,285	0	0	0	0	58,643
		Percent	0.0	0.0	0.3	5.4	0.2	88.8	1.1	0.3	3.9	0.0	0.0	0.0	0.0	
Jul 5-Jul 11	28	Number	8	3	8	227	0	6,192	60	41	970	0	0	0	8	7,518
		Percent	0.1	0.0	0.1	3.0	0.0	82.4	0.8	0.5	12.9	0.0	0.0	0.0	0.1	
Jul 12-Jul 18	29	Number	0	38	146	862	0	32,585	398	169	10,510	0	0	36	0	44,744
		Percent	0.0	0.1	0.3	1.9	0.0	72.8	0.9	0.4	23.5	0.0	0.0	0.1	0.0	
Jul 19-Jul 25	30	Number	0	0	0	2,738	0	67,387	3,021	30	27,206	0	381	0	0	100,762
		Percent	0.0	0.0	0.0	2.7	0.0	66.9	3.0	0.0	27.0	0.0	0.4	0.0	0.0	
Jul 26-Aug 1	31	Number	0	29	0	240	29	2,298	551	9	5,784	11	40	9	0	8,999
		Percent	0.0	0.3	0.0	2.7	0.3	25.5	6.1	0.1	64.3	0.1	0.4	0.1	0.0	

-continued-

Table 33.—(page 2 of 2)

Week	Stat.	Week	Age Class													Total ^a
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Other	
Aug 2-Aug 8	32	Number	0	56	3	284	56	5,883	1,132	3	17,425	56	111	0	0	25,007
		Percent	0.0	0.2	0.0	1.1	0.2	23.5	4.5	0.0	69.7	0.2	0.4	0.0	0.0	
Aug 9-Aug 15	33	Number	0	62	70	17	62	3,059	437	8	28,493	123	0	185	0	32,515
		Percent	0.0	0.2	0.2	0.1	0.2	9.4	1.3	0.0	87.6	0.4	0.0	0.6	0.0	
Aug 16-Aug 22	34	Number	0	33	40	0	40	1,512	220	0	16,533	87	14	107	0	18,587
		Percent	0.0	0.2	0.2	0.0	0.2	8.1	1.2	0.0	89.0	0.5	0.1	0.6	0.0	
Aug 23-Aug 29	35	Number	0	0	12	23	12	1,217	580	0	14,361	218	47	12	0	16,483
		Percent	0.0	0.0	0.1	0.1	0.1	7.4	3.5	0.0	87.1	1.3	0.3	0.1	0.0	
Aug 30-Sep 5	36	Number	0	0	0	4	0	159	103	0	1,742	34	4	0	0	2,047
		Percent	0.0	0.0	0.0	0.2	0.0	7.8	5.0	0.0	85.1	1.7	0.2	0.0	0.0	
Total		Number	8	260	936	10,777	357	240,784	7,879	856	129,504	529	627	349	43	392,905
		Percent	0.0	0.1	0.2	2.7	0.1	61.3	2.0	0.2	33.0	0.1	0.2	0.1	0.0	

^a Rounding errors (fractions of fish dropped or added during printing) often cause weekly totals to differ from the sum of the age classes. Lake destination (Black Lake or Chignik Lake) is estimated from samples of fish of ages 1.3 and 2.3 only. The age composition of catch and escapement (c/e) is estimated and the destination of age 1.3 fish is applied to the c/e of age 1.3 and 1.2 fish. Similarly, the destination of age 2.3 fish is applied to 2.3 and 2.2 fish. The average of these four age classes is used to estimate the destination of all other ages. These estimates are calculated for each day. The results are summed by week and rounded for printing.

Table 34.—Weekly sockeye salmon late run catch, by age class, estimated by postseason scale pattern analysis, 2001.

Week	Stat. Week		Age Class													Total ^{a,b}
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Other	
May 31-Jun 6	23	Number	0	0	0	0	0	10	0	0	1	0	0	0	0	11
		Percent	0.0	0.0	1.3	3.1	0.0	86.7	1.9	0.3	9.4	0.0	0.0	0.0	0.0	0.0
Jun 7-Jun 13	24	Number	0	0	2	3	0	115	1	1	13	0	0	0	0	135
		Percent	0.0	0.0	1.4	2.6	0.0	85.1	1.0	0.7	9.4	0.0	0.2	0.0	0.2	0.2
Jun 14-Jun 20	25	Number	0	9	44	159	0	4,662	14	72	160	0	9	0	18	5,145
		Percent	0.0	0.2	0.9	3.1	0.0	90.6	0.3	1.4	3.1	0.0	0.2	0.0	0.3	0.3
Jun 21-Jun 27	26	Number	0	7	101	1,175	12	18,954	161	48	918	0	0	0	0	21,377
		Percent	0.0	0.0	0.5	5.5	0.1	88.7	0.8	0.2	4.3	0.0	0.0	0.0	0	0
Jun 28-Jul 4	27	Number	0	0	431	4,877	172	96,301	1,194	388	3,250	0	0	0	0	106,614
		Percent	0.0	0.0	0.4	4.6	0.2	90.3	1.1	0.4	3.0	0.0	0.0	0.0	0.0	0.0
Jul 5-Jul 11	28	Number	165	126	234	5,482	0	149,851	1,586	1031	26,532	0	0	0	165	185,171
		Percent	0.1	0.1	0.1	3.0	0.0	80.9	0.9	0.6	14.3	0.0	0.0	0.0	0.1	0.1
Jul 12-Jul 18	29	Number	0	259	666	3,555	0	112,320	1,187	833	31,662	0	0	135	0	150,619
		Percent	0.0	0.2	0.4	2.4	0.0	74.6	0.8	0.6	21.0	0.0	0.0	0.1	0.0	0.0
Jul 19-Jul 25	30	Number	0	0	0	229	0	8,547	207	20	3,098	0	11	0	0	12,111
		Percent	0.0	0.0	0.0	1.9	0.0	70.6	1.7	0.2	25.6	0.0	0.1	0.0	0.0	0.0
Jul 26-Aug 1	31	Number	0	736	0	7,698	736	48,226	13,742	362	105,902	11	747	362	0	178,523
		Percent	0.0	0.4	0.0	4.3	0.4	27.0	7.7	0.2	59.3	0.0	0.4	0.2	0.0	0.0
Aug 2-Aug 8	32	Number	0	92	78	617	92	15,482	2,466	78	57,657	92	184	0	0	76,839
		Percent	0.0	0.1	0.1	0.8	0.1	20.1	3.2	0.1	75.0	0.1	0.2	0.0	0.0	0.0

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Table 34.—(page 2 of 2)

Week	Stat. Week		Age Class												Total ^{a,b}	
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3		Other
Aug 9-Aug 15	33	Number	0	34	252	435	34	18,301	1,945	218	98,964	68	0	101	0	120,351
		Percent	0.0	0.0	0.2	0.4	0.0	15.2	1.6	0.2	82.2	0.1	0.0	0.1	0.0	
Aug 16-Aug 22	34	Number	0	264	331	0	331	12,371	1,785	0	136,362	729	134	859	0	153,165
		Percent	0.0	0.2	0.2	0.0	0.2	8.1	1.2	0.0	89.0	0.5	0.1	0.6	0.0	
Aug 23-Aug 29	35	Number	0	0	114	246	114	12,631	6,241	0	147,915	2,309	474	114	0	170,158
		Percent	0.0	0.0	0.1	0.1	0.1	7.4	3.7	0.0	86.9	1.4	0.3	0.1	0.0	
Aug 30-Sep 5	36	Number	0	0	0	67	0	2,494	1,618	0	27,300	539	67	0	0	32,086
		Percent	0.0	0.0	0.0	0.2	0.0	7.8	5.0	0.0	85.1	1.7	0.2	0.0	0.0	
Sep 6-Sep 12	37	Number	0	0	0	4	0	163	106	0	1,785	35	4	0	0	2,098
		Percent	0.0	0.0	0.0	0.2	0.0	7.8	5.0	0.0	85.1	1.7	0.2	0.0	0.0	
Total		Number	165	1,527	2,253	24,547	1,491	500,428	32,253	3,051	641,519	3,783	1,630	1,571	183	1,214,403
		Percent	0.0	0.1	0.2	2.0	0.1	41.2	2.7	0.3	52.8	0.3	0.1	0.1	0.0	

^a Includes 80% of the catches through July 25 from Cape Igvak and Southeastern District Mainland, and catches from the Chignik Lagoon test fishery. Does not include catch designated for personal or subsistence use.

^b Rounding errors (fractions of fish dropped or added during printing) often cause weekly totals to differ from the sum of the age classes. Lake destination (Black Lake or Chignik Lake) is estimated from samples of fish of ages 1.3 and 2.3 only. The age composition of catch and escapement (c/e) is estimated and the destination of age 1.3 fish is applied to the c/e of age 1.3 and 1.2 fish. Similarly, the destination of age 2.3 fish is applied to 2.3 and 2.2 fish. The average of these four age classes is used to estimate the destination of all other ages. These estimates are calculated for each day. The results are summed by week and rounded for printing.

Table 35.—Estimated subsistence harvests of salmon, Chignik Management Area, 1976 - 2001.

Year	Number of Permits ^a					Estimated Harvest					
	Issued	Returned	Estimated			Chinook	Sockeye	Coho	Pink	Chum	Total
			Percent Returned	Number Fished	Percent Fished						
1976						100	6,000	1,500	500	150	8,250
1977						50	9,700	2,400	1,800	600	14,550
1978						50	6,000	500	2,100	600	9,250
1979						14	7,750	34	262	0	8,060
1980	82	37	45.1%	70	85.4%	6	12,475	32	478	169	13,160
1981	29	7	24.1%	18	62.1%	0	2,049	0	0	0	2,049
1982	59	15	25.4%	56	94.9%	3	8,532	12	2	0	8,548
1983	32	21	65.6%	26	82.8%	0	3,078	1,319	1,250	850	6,497
1984	77	64	83.1%	58	74.9%	23	8,747	464	330	204	9,768
1985	59	48	81.4%	49	83.1%	1	7,177	50	26	25	7,279
1986	74	38	51.4%	70	94.6%	4	10,347	205	98	77	10,730
1987	NA	NA	NA	NA	NA	10	7,021	278	204	261	7,774
1988	80	34	42.5%	77	96.3%	9	9,073	1,455	54	142	10,733
1989	68	23	33.8%	47	68.8%	24	7,552	384	81	147	8,187
1990	72	23	31.9%	62	86.1%	103	8,099	210	470	115	8,996
1991	95	58	61.1%	83	87.4%	42	11,483	13	275	81	11,893
1992	98	19	19.4%	86	87.5%	55	8,648	709	305	145	9,862
1993	202	141	69.8%	164	81.0%	122	14,710	3,765	1,265	642	20,503
1994	219	122	55.7%	160	73.0%	165	13,978	4,055	1,720	382	20,300
1995	111	95	85.6%	95	85.8%	98	9,563	1,191	723	150	11,725
1996	119	104	87.4%	104	87.5%	48	7,357	2,126	2,204	355	12,090
1997	126	103	81.7%	119	94.2%	28	13,442	2,678	2,035	840	19,023
1998	104	72	69.2%	90	86.2%	91	7,750	1,390	1,007	186	10,424
1999	106	88	83.0%	99	93.5%	243	9,040	1,679	1,191	136	12,290
2000	130	112	86.2%	111	85.4%	163	9,516	1,802	1,185	517	13,183
2001	135	122	90.4%	115	85.5%	171	8,633	1,859	2,787	213	13,663
Average											
1976-2000	97	61	63.0%	81	83.0%	58	8,763	1,130	783	271	11,005
1993-2000	140	105	74.9%	118	84.3%	120	10,669	2,336	1,416	401	14,942

^a In 1993, the Division of Subsistence, ADF&G, obtained copies of all available subsistence permits for the Chignik Management Area from the Division of Commercial Fisheries archive in Kodiak. Permits issued prior to 1980 and for 1987 could not be located. All permit data were entered into a data base issued prior to 1980, and for 1987, could not be located. The estimated harvests reported in this table differ slightly from that reported in earlier annual management reports for several reasons. There are small discrepancies in some years for the number of permits issued or returned. Estimated harvests in earlier annual management reports were based on a simple expansion from harvests reported on returned permits to the total number of permits issued. Harvest estimates in this table are based on the sum of expanded community harvest estimates, similar to the method used in the Bristol Bay and Alaska Peninsula Management Areas. Since 1993, the Division of Subsistence has been responsible for permit data entry and harvest estimates for the Chignik Management Area. Increases in permits issued beginning in 1993, and consequently higher harvest estimates, reflect the use of local vendors to issue permits and post-season surveys by department staff and local research assistants.

Sources: Quimby and Owen 1994, for 1976 - 1979 and 1987; Division of Subsistence, ADF&G, Chignik Subsistence Salmon Permit Database, Anchorage, for the remaining years.

Table 36.—Chinook salmon daily and cumulative escapement estimates through the Chignik weir by day, 2001.

Escapement ^{a,b}				Escapement ^{a,b}			
Date ^c	Daily	Cumulative	Percent	Date	Daily	Cumulative	Percent
22-Jun	18	18	0.6%	22-Jul	127	2,452	81.0%
23-Jun	0	18	0.6%	23-Jul	61	2,513	83.0%
24-Jun	0	18	0.6%	24-Jul	96	2,609	86.2%
25-Jun	0	18	0.6%	25-Jul	54	2,663	87.9%
26-Jun	0	18	0.6%	26-Jul	39	2,702	89.2%
27-Jun	0	18	0.6%	27-Jul	12	2,714	89.6%
28-Jun	36	54	1.8%	28-Jul	12	2,726	90.0%
29-Jun	31	85	2.8%	29-Jul	18	2,744	90.6%
30-Jun	43	128	4.2%	30-Jul	12	2,756	91.0%
1-Jul	129	257	8.5%	31-Jul	60	2,816	93.0%
2-Jul	228	485	16.0%	1-Aug	6	2,822	93.2%
3-Jul	162	647	21.4%	2-Aug	36	2,858	94.4%
4-Jul	84	731	24.1%	3-Aug	18	2,876	95.0%
5-Jul	48	779	25.7%	4-Aug	30	2,906	96.0%
6-Jul	78	857	28.3%	5-Aug	18	2,924	96.6%
7-Jul	108	965	31.9%	6-Aug	6	2,930	96.8%
8-Jul	123	1,088	35.9%	7-Aug	0	2,930	96.8%
9-Jul	70	1,158	38.2%	8-Aug	13	2,943	97.2%
10-Jul	60	1,218	40.2%	9-Aug	12	2,955	97.6%
11-Jul	62	1,280	42.3%	10-Aug	6	2,961	97.8%
12-Jul	24	1,304	43.1%	11-Aug	6	2,967	98.0%
13-Jul	24	1,328	43.9%	12-Aug	0	2,967	98.0%
14-Jul	108	1,436	47.4%	13-Aug	12	2,979	98.4%
15-Jul	60	1,496	49.4%	14-Aug	0	2,979	98.4%
16-Jul	160	1,656	54.7%	15-Aug	7	2,986	98.6%
17-Jul	162	1,818	60.0%	16-Aug	24	3,010	99.4%
18-Jul	198	2,016	66.6%	17-Aug	6	3,016	99.6%
19-Jul	136	2,152	71.1%	18-Aug	6	3,022	99.8%
20-Jul	85	2,237	73.9%	19-Aug	6	3,028	100.0%
21-Jul	88	2,325	76.8%	20-Aug	Weir Removed		

^a No adjustments are made for chinook salmon that escape below the weir or those that are removed by the sport fishery.

^b The chinook salmon biological escapement goal is 1,450-2,700 fish (Nelson and Lloyd 2001).

^c Although first day of counting for chinook salmon was on May 25, the first fish tallied from this species was on June 22. Counts are not available after August 19 because the weir blew out on August 20.

Table 37—Estimated salmon escapements by district and statistical area in the Chignik Management Area, 2001.

District	Statistical Area	Species					Total
		Chinook	Sockeye ^a	Coho ^b	Pink ^c	Chum	
Chignik Bay	27110	3,028	1,139,918	103	19,684	4,066	1,166,799
	Total	3,028	1,139,918	103	19,684	4,066	1,166,799
Central	27220				11,900	0	11,900
	27230			3,000	90,000	0	93,000
	27250			4,000	358,500	36,500	399,000
	Total	0	0	7,000	460,400	36,500	503,900
Eastern	27260		14,700	22,200	131,500	86,000	254,400
	27270		2,150	34,000	238,000	45,700	319,850
	27272		0	6,000	25,400	22,200	53,600
	27280		5	1,700	155,000	75,000	231,705
	27290		0	650	531,300	146,000	677,950
	27292		2,100	0	30,000	11,500	43,600
	27296		3,700	5,500	359,000	20,500	388,700
	Total	0	22,655	70,050	1,470,200	406,900	1,969,805
Western	27370		0	3,600	45,000	2,000	50,600
	27372		105	3,300	148,000	17,400	168,805
	27380		0		15,000	600	15,600
	27382		0	0	9,500	4,100	13,600
	27384		0		45,500	11,400	56,900
	27394		0		0	0	0
	Total	0	105	6,900	263,000	35,500	305,505
Perryville	27540		0	9,900	98,000	65,100	173,000
	27550		0	3,900	52,000	2,418	58,318
	27560		50	75	200	310	635
	Total	0	50	13,875	150,200	67,828	231,953
All District Total		3,028	1,162,728	97,928	2,363,484	550,794	4,177,962

^a Includes sockeye salmon from Chignik weir counts, aerial surveys, and postweir estimates.

^b Coho escapement estimates were from Chignik River weir counts, aerial surveys. Coho aerial surveys were incomplete because of budget constraints.

^c Escapement estimates for pink and chum were based on Chignik River weir counts, aerial surveys, and area under the curve methods developed by Johnson and Barrett (1988).

Table 38.—Black Lake tributaries peak aerial sockeye salmon survey escapement estimates, 1960-2001.

Year	Fan Creek	Milk Creek	Boulevard Creek	Alec River	Conglomerate	Broad Creek	Total
1960	38,500	8,000	40,000	30,000	3,000	30,000	149,500
1961	27,000	5,000	28,700	25,000	800	17,000	103,500
1962	18,000	7,000	13,000	60,000	200	15,000	113,200
1963	39,000	-	36,000	85,000	1,000	61,000	222,000
1964	19,500	3,050	23,850	17,900	9,300	9,500	83,100
1967	20,000	1,000	9,000	156,000	10,000	10,000	206,000
1968	32,000	2,400	20,000	60,000	2,000	4,100	120,500
1969	103,000	2,100	33,000	50,000	4,000	5,000	197,100
1970	146,000	9,000	55,500	198,000	5,000	-	413,500
1971	105,000	14,000	85,000	158,000	0	-	362,000
1972	18,000	3,500	19,000	74,000	400	-	114,900
1973	115,000	4,000	76,000	74,000	5,000	-	274,000
1974	90,000	5,000	50,000	93,000	5,000	-	243,000
1975	40,000	4,500	25,000	87,000	0	-	156,500
1976	78,000	8,900	100,000	119,000	2,000	-	307,900
1977	88,000	20,000	127,000	133,000	1,000	-	369,000
1978	114,000	3,300	74,000	83,300	500	-	275,100
1979	37,000	11,800	32,000	105,100	400	26,100	212,400
1980	127,000	16,000	75,000	70,500	1,500	68,000	358,000
1981	93,000	4,700	59,000	76,500	20,000	27,000	280,200
1982	50,000	5,500	60,000	43,000	20,000	32,000	210,500
1983	-	-	-	-	-	-	-
1984	50,000	22,200	70,000	30,500	31,000	36,000	239,700
1985	28,000	5,500	36,000	65,000	5,500	17,000	157,000
1986	60,000	15,300	47,000	76,000	39,000	27,000	264,300
1987	52,000	12,200	133,000	88,400	45,900	32,500	364,000
1988	54,000	71,000	83,700	106,500	2,300	26,500	344,000
1989	19,300	21,000	64,000	133,000	1,000	7,500	245,800
1990	32,600	7,400	35,900	49,800	2,200	18,000	145,900
1991	14,600	19,500	48,000	-	2,000	13,000	97,100
1992 ^b	-	-	-	392,000	-	-	-
1993	40,900	12,600	97,600	8,000	77,000	18,200	254,300
1994	70,000	25,000	125,000	350,000	20,000	51,000	641,000
1995	23,000	10,000	60,000	200,000	40,000	60,000	393,000
1996	40,000	24,000	51,000	100,000	50,000	45,000	310,000
1997	60,000	5,000	48,000	166,000	8,000	20,000	307,000
1998	90,000	14,000	100,000	50,000	9,000	62,000	325,000
1999	70,000	8,100	50,000	226,000	1,000	22,000	377,100
2000	41,000	29,000	126,000	210,000	26,000	93,000	525,000
2001	77,000	19,000	265,000	207,000	4,000	89,000	661,000

^a Dashes or blanks represent no surveys taken or survey results not adequate to make stream estimate.

^b Survey considered incomplete for all streams except the Alec River.

Table 39.—Chignik Lake and Black River peak aerial sockeye salmon survey escapement estimates, 1960-2001.

Year	Black River ^a				Chignik Lake ^a			
	Bearskin Creek	West Fork	Chiaktuak Creek	Total	Clark River	Home Creek	Hatchery Beach	Total
1960	11,600	23,000	19,000	53,600	-	-	-	-
1961	2,500	17,100	20,700	40,300	-	-	-	-
1962	3,000	13,000	24,000	40,000	-	-	-	-
1963	900	5,000	9,000	14,900	-	-	-	-
1964	500	4,500	7,000	12,000	-	-	-	-
1967	10,000	25,000	31,000	66,000	-	-	-	-
1968	1,200	10,500	10,000	21,700	-	-	-	-
1969	50	800	1,500	2,350	-	-	-	-
1970	450	4,000	4,000	8,450	-	-	-	-
1971	3,500	5,500	47,000	56,000	-	-	-	-
1972	1,400	4,300	23,000	28,700	-	-	-	-
1973	13	4,100	1,500	5,613	-	-	-	-
1974	450	8,000	7,000	15,450	-	-	-	-
1975	65	2,500	2,500	5,065	-	-	-	-
1976	2,650	23,700	7,700	34,050	-	-	-	-
1977	200	13,600	6,900	20,700	-	-	-	-
1978	410	9,600	8,500	18,510	-	-	-	-
1979	918	7,610	29,000	37,528	-	-	-	-
1980	3,600	33,000	40,400	77,000	-	-	-	-
1981	950	1,500	18,700	21,150	-	-	-	-
1982	1,066	10,791	5,000	16,857	-	-	-	-
1983	-	-	6,000	6,000	-	-	-	-
1984	-	-	-	8,200	-	-	-	-
1985	350	450	1,200	2,000	-	-	-	-
1986	-	-	8,300	8,300	-	-	-	-
1987	-	-	1,000	1,000	-	-	-	-
1988	-	-	4,600	4,600	-	-	-	-
1989	-	-	2,100	2,100	-	-	-	-
1990	300	0	50	350	-	-	-	-
1991	-	-	-	-	-	-	-	-
1992	-	-	-	-	-	-	-	-
1993	-	-	16,000	16,000	-	-	-	-
1994	5,000	-	31,000	36,000	18,000	9,200	-	27,200
1995	7,100	18,000	31,000	56,100	13,000	6,000	150,000	169,000
1996	1,800	22,000	22,000	45,800	13,000	5,500	70,000	88,500
1997	9,000	9,000	23,500	41,500	25,000	8,000	35,000	68,000
1998	4,700	71,000	27,500	103,200	21,000	6,000	62,000	89,000
1999	8,300	17,500	13,000	38,800	8,500	1,620	15,000	25,120
2000	2,600	3,700	10,600	16,900	18,000	19,700	2,000	39,700
2001	-	-	9,500	9,500	23,000	11,000	25,000	59,000

^a Dashes represent no surveys taken or survey results not adequate to make stream estimate.

Table 40.—Pink, chum, and coho salmon daily and cumulative escapement estimates through the Chignik weir, 2001.

Date	Pink Escapement		Chum Escapement		Coho Escapement	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
Jun-16 ^a	0	0	6	6	0	0
Jun-17	0	0	0	6	0	0
Jun-18	0	0	0	6	0	0
Jun-19	0	0	0	6	0	0
Jun-20	0	0	0	6	0	0
Jun-21	0	0	0	6	0	0
Jun-22	0	0	0	6	0	0
Jun-23	0	0	0	6	0	0
Jun-24	0	0	0	6	0	0
Jun-25	0	0	0	6	0	0
Jun-26	0	0	0	6	0	0
Jun-27	0	0	0	6	0	0
Jun-28	0	0	0	6	0	0
Jun-29	0	0	0	6	0	0
Jun-30	6	6	0	6	0	0
Jul-1	30	36	0	6	0	0
Jul-2	54	90	0	6	0	0
Jul-3	78	168	0	6	0	0
Jul-4	6	174	0	6	0	0
Jul-5	0	174	0	6	0	0
Jul-6	12	186	6	12	0	0
Jul-7	18	204	6	18	0	0
Jul-8	18	222	6	24	0	0
Jul-9	0	222	0	24	0	0
Jul-10	0	222	0	24	0	0
Jul-11	12	234	0	24	0	0
Jul-12	12	246	0	24	0	0
Jul-13	12	258	6	30	0	0
Jul-14	18	276	0	30	0	0
Jul-15	18	294	0	30	0	0
Jul-16	42	336	0	30	0	0
Jul-17	0	336	0	30	0	0
Jul-18	6	342	0	30	0	0
Jul-19	18	360	0	30	6	6
Jul-20	12	372	0	30	0	6
Jul-21	30	402	0	30	0	6
Jul-22	12	414	0	30	0	6
Jul-23	18	432	0	30	0	6
Jul-24	18	450	0	30	0	6
Jul-25	12	462	0	30	0	6
Jul-26	48	510	0	30	0	6
Jul-27	12	522	0	30	0	6
Jul-28	12	534	0	30	0	6
Jul-29	60	594	0	30	0	6

-continued-

Table 40.—(page 2 of 2)

Date	Pink Escapement		Chum Escapement		Coho Escapement	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
Jul-30	60	654	0	30	0	6
Jul-31	12	666	0	30	0	6
Aug-1	12	678	0	30	0	6
Aug-2	30	708	0	30	0	6
Aug-3	54	762	6	36	0	6
Aug-4	6	768	6	42	0	6
Aug-5	48	816	0	42	0	6
Aug-6	36	852	0	42	0	6
Aug-7	24	876	0	42	0	6
Aug-8	18	894	0	42	0	6
Aug-9	0	894	0	42	0	6
Aug-10	12	906	0	42	0	6
Aug-11	42	948	0	42	6	12
Aug-12	48	996	0	42	0	12
Aug-13	6	1,002	6	48	0	12
Aug-14	30	1,032	6	54	6	18
Aug-15	36	1,068	0	54	13	31
Aug-16	162	1,230	0	54	12	43
Aug-17	108	1,338	0	54	24	67
Aug-18	48	1,386	0	54	30	97
Aug-19	78	1,464	12	66	6	103
Total		1,464		66		103

^a Although first day of counting for pink, chum, and coho salmon was on May 25 the first fish tallied from any of these species was on June 16. Counts are not available after August 19 because the weir blew out on August 20.

Table 41.—Comparison of average weights of salmon, based on weights from fish tickets, caught in the Chignik Bay District and all other districts combined, 1983-2001.

Year	Chinook ^d			Sockeye ^d			Coho ^d			Pink ^d			Chum ^d		
	Number	Pounds	Average Weight	Number	Pounds	Average Weight	Number	Pounds	Average Weight	Number	Pounds	Average Weight	Number	Pounds	Average Weight
Chignik Bay District															
1983	3,560	80,193	22.5	1,597,059	10,536,850	6.6	29,519	250,786	8.5	27,284	97,222	3.6	16,747	130,154	7.8
1984	3,696	93,096	25.2	1,942,822	13,579,107	7.0	72,722	658,240	9.1	165,178	670,923	4.1	8,173	61,159	7.5
1985	1,810	43,396	24.0	812,605	4,820,590	5.9	156,579	1,431,798	9.1	14,429	55,900	3.9	4,906	31,307	6.4
1986	2,592	60,723	23.4	1,389,172	9,488,499	6.8	60,197	481,706	8.0	191,264	767,714	4.0	18,167	134,735	7.4
1987	1,931	42,848	22.2	1,559,757	11,508,187	7.4	77,333	654,640	8.5	13,887	51,855	3.7	5,163	38,429	7.4
1988	4,331	96,241	22.2	529,540	3,873,621	7.3	94,292	819,677	8.7	119,794	460,519	3.8	7,013	55,911	8.0
1989	3,532	76,491	21.7	1,156,782	7,950,548	6.9	68,231	559,127	8.2	27,691	94,218	3.4	1,587	11,546	7.3
1990	3,719	80,915	21.8	1,400,069	9,374,800	6.7	61,260	497,901	8.1	94,528	319,928	3.4	11,460	77,739	6.8
1991	1,996	47,206	23.7	1,487,421	10,196,187	6.9	56,574	481,741	8.5	76,163	231,960	3.0	17,545	115,553	6.6
1992	3,181	67,840	21.3	792,889	5,177,003	6.5	80,946	676,752	8.4	178,105	729,324	4.1	12,711	79,207	6.2
1993	5,240	85,848	16.4	762,730	4,675,799	6.1	48,808	349,816	7.2	55,909	174,334	3.1	8,116	44,235	5.5
1994	1,808	36,773	20.3	908,042	5,696,656	6.3	70,541	669,451	9.5	59,425	261,622	4.4	25,250	174,189	6.9
1995	3,008	76,580	25.5	1,083,707	7,335,791	6.8	54,646	460,937	8.4	106,939	416,116	3.9	14,588	114,029	7.8
1996	1,579	38,326	24.3	1,003,683	7,915,161	7.9	45,361	416,985	9.2	1,523	5,861	3.8	639	5,140	8.0
1997	1,296	25,997	20.1	406,763	2,579,448	6.3	32,847	298,021	9.1	1,523	5,861	3.8	639	5,140	8.0
1998	1,721	31,397	18.2	621,868	3,751,669	6.0	23,063	223,668	9.7	26,054	100,971	3.9	7,352	55,053	7.5
1999	2,101	38,372	18.3	2,356,122	15,740,123	6.7	23,144	177,906	7.7	59,001	178,705	3.0	12,147	96,377	7.9
2000	581	12,762	22.0	1,327,249	10,363,643	7.8	11,620	99,559	8.6	28,067	97,256	3.5	8,389	66,917	8.0
2001	1,146	18,521	16.2	1,082,074	7,958,945	7.4	10,000	82,894	8.3	75,135	274,859	3.7	11,533	83,082	7.2
Average Weight (Ten Year Average)															
1991-2000	21.1			6.7			8.6			3.6			7.2		
All other Districts															
1983	1,928	15,966	8.3	227,116	1,389,979	6.1	32,408	237,417	7.3	293,894	1,103,666	3.8	142,665	1,075,112	7.5
1984	622	6,471	10.4	717,797	4,957,180	6.9	37,406	291,725	7.8	279,626	980,326	3.5	55,130	424,808	7.7
1985	78	1,508	19.3	109,546	629,469	5.7	34,609	278,049	8.0	145,699	587,831	4.0	17,900	113,974	6.4
1986	445	6,049	13.6	256,662	1,766,361	6.9	56,436	385,489	6.8	455,861	1,606,597	3.5	158,473	1,169,683	7.4
1987	720	6,634	9.2	339,081	2,493,527	7.4	73,081	535,163	7.3	232,888	847,705	3.6	122,098	905,512	7.4
1988	2,965	32,639	11.0	266,301	1,840,831	6.9	276,128	2,069,750	7.5	2,877,365	10,262,986	3.6	260,762	2,140,466	8.2
1989	10	207	20.7	2,505	18,732	7.5	2	13	6.5	21	51	2.4	37	342	9.2
1990	6,182	53,350	8.6	693,581	4,434,969	6.4	68,871	435,844	6.3	455,480	1,355,716	3.0	258,544	1,679,280	6.5
1991	1,161	19,497	16.8	408,244	2,748,265	6.7	109,051	701,216	6.4	1,093,085	3,125,671	2.9	243,551	1,560,646	6.4

-Continued-

Table 41.-(page 2 of 2)

Year	Chinook ^a			Sockeye ^a			Coho ^a			Pink ^a			Chum ^a		
	Number	Pounds	Average Weight	Number	Pounds	Average Weight	Number	Pounds	Average Weight	Number	Pounds	Average Weight	Number	Pounds	Average Weight
1992	7,651	70,250	9.2	484,560	3,195,899	6.6	229,997	1,685,939	7.3	1,375,968	5,069,835	3.7	209,423	1,513,119	7.2
1993	14,275	148,405	10.4	934,621	5,586,833	6.0	180,651	1,111,428	6.2	1,592,468	5,139,463	3.2	114,244	691,812	6.1
1994	2,111	35,092	16.6	710,931	4,449,179	6.3	166,663	1,327,375	8.0	371,638	1,233,037	3.3	202,026	1,456,822	7.2
1995	2,253	34,607	15.4	640,338	4,186,530	6.5	225,959	1,601,149	7.1	1,951,059	6,934,270	3.6	366,361	2,700,958	7.4
1996	1,526	24,277	15.9	954,670	6,987,584	7.3	147,865	1,068,962	7.2	182,283	530,357	2.9	99,152	774,700	7.8
1997	1,736	21,227	12.2	362,920	2,281,141	6.3	58,061	458,488	7.9	842,908	2,778,472	3.3	155,266	1,191,859	7.7
1998	2,674	35,133	13.1	432,304	2,686,381	6.2	106,449	822,155	7.7	750,934	2,485,055	3.3	121,489	862,595	7.1
1999	1,195	17,725	14.8	760,379	4,790,393	6.3	66,266	408,206	6.2	1,639,650	4,396,947	2.7	904,866	2,595,937	7.0
2000	2,011	21,995	10.9	447,976	3,302,581	7.4	111,602	843,977	7.6	399,997	1,085,748	2.7	112,568	966,748	8.6
2001	1,703	20,851	12.2	429,296	3,111,486	7.2	121,441	929,259	7.7	1,206,625	3,802,955	3.2	187,341	1,526,451	8.1
Average Weight (Ten Year Average)															
1991-2000			13.1	6.5			7.1			3.1			7.2		

^a Does not include salmon retained from the commercial harvest and not sold, salmon caught with a subsistence permit, salmon caught at Cape Igvak or Southeastern District Mainland Destined to Chignik, or salmon caught in the Department's test fishery.

Table 42.-Black Lake and Chignik Lake sockeye salmon escapement, catch, and total run estimates, by age class, based on postseason scale pattern analysis, 2001.

	Age Class													Total ^{a,b}
	0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Other	
<u>Black Lake</u>														
Escapement	7	268	5,135	29,350	383	652,295	6,357	4,474	44,983	0	451	12	294	744,013
Catch	142	363	2,027	21,180	458	439,891	8,522	2,621	87,364	0	149	85	272	563,076
Run	149	631	7,162	50,530	841	#####	14,879	7,095	132,347	0	600	97	566	1,307,089
Percent	0.0	0.0	0.5	3.9	0.1	83.6	1.1	0.5	10.1	0.0	0.0	0.0	0.0	100.0
<u>Chignik Lake</u>														
Escapement	8	260	936	10,777	357	240,784	7,879	856	129,504	529	627	349	43	392,905
Catch	165	1,527	2,253	24,547	1,491	500,428	32,253	3,051	641,519	3,783	1,630	1,571	183	1,214,403
Run	173	1,787	3,189	35,324	1,848	741,212	40,132	3,907	771,023	4,312	2,257	1,920	226	1,607,308
Percent	0.0	0.1	0.2	2.2	0.1	46.1	2.5	0.2	48.0	0.3	0.1	0.1	0.0	100.0
<u>Total Run</u>														
Escapement	15	528	6,071	40,127	740	893,079	14,236	5,330	174,487	529	1,078	361	337	1,136,918
Catch	307	1,890	4,280	45,727	1,949	940,319	40,775	5,672	728,883	3,783	1,779	1,656	455	1,777,479
Run	322	2,418	10,351	85,854	2,689	#####	55,011	11,002	903,370	4,312	2,857	2,017	792	2,914,397
Percent	0.0	0.1	0.4	2.9	0.1	62.9	1.9	0.4	31.0	0.1	0.1	0.1	0.0	100.0

^a Includes 80% of the catches through July 25 from Cape Igvak and Southeastern District Mainland, and catches from the Chignik Lagoon test fishery. Does not include catch designated for personal or subsistence use.

^b Rounding errors (fractions of fish dropped or added during printing) often cause weekly totals to differ from the sum of the age classes. Lake destination (Black Lake or Chignik Lake) is estimated from samples of fish of ages 1.3 and 2.3 only. The age composition of catch and escapement (c/e) is estimated and the destination of age 1.3 fish is applied to the c/e of age 1.3 and 1.2 fish. Similarly, the destination of age 2.3 fish is applied to 2.3 and 2.2 fish. The average of these four age classes is used to estimate the destination of all other ages. These estimates are calculated for each day. The results are summed by week and rounded for printing.

Table 43.-Dolly Varden daily and cumulative escapement through the Chignik weir, 2001.

Date	Escapement		Date	Escapement		Date	Escapement	
	Daily	Cumulative		Daily	Cumulative		Daily	Cumulative
May-25	0	0	Jun-30	126	1,842	Aug-5	48	5,686
May-26	24	24	Jul-1	186	2,028	Aug-6	18	5,704
May-27	84	108	Jul-2	336	2,364	Aug-7	6	5,710
May-28	0	108	Jul-3	332	2,696	Aug-8	12	5,722
May-29	126	234	Jul-4	120	2,816	Aug-9	0	5,722
May-30	6	240	Jul-5	96	2,912	Aug-10	0	5,722
May-31	180	420	Jul-6	102	3,014	Aug-11	0	5,722
Jun-1	0	420	Jul-7	228	3,242	Aug-12	12	5,734
Jun-2	0	420	Jul-8	138	3,380	Aug-13	12	5,746
Jun-3	0	420	Jul-9	66	3,446	Aug-14	0	5,746
Jun-4	0	420	Jul-10	102	3,548	Aug-15	0	5,746
Jun-5	0	420	Jul-11	24	3,572	Aug-16	174	5,920
Jun-6	0	420	Jul-12	12	3,584	Aug-17	36	5,956
Jun-7	0	420	Jul-13	12	3,596	Aug-18	30	5,986
Jun-8	0	420	Jul-14	6	3,602	Aug-19	430	6,416
Jun-9	12	432	Jul-15	42	3,644	Aug-20	Weir Removed	
Jun-10	0	432	Jul-16	120	3,764			
Jun-11	0	432	Jul-17	102	3,866			
Jun-12	18	450	Jul-18	166	4,032			
Jun-13	42	492	Jul-19	114	4,146			
Jun-14	6	498	Jul-20	48	4,194			
Jun-15	36	534	Jul-21	174	4,368			
Jun-16	12	546	Jul-22	294	4,662			
Jun-17	6	552	Jul-23	108	4,770			
Jun-18	84	636	Jul-24	66	4,836			
Jun-19	24	660	Jul-25	90	4,926			
Jun-20	60	720	Jul-26	276	5,202			
Jun-21	66	786	Jul-27	90	5,292			
Jun-22	110	896	Jul-28	42	5,334			
Jun-23	306	1,202	Jul-29	24	5,358			
Jun-24	54	1,256	Jul-30	24	5,382			
Jun-25	84	1,340	Jul-31	0	5,382			
Jun-26	18	1,358	Aug-1	82	5,464			
Jun-27	60	1,418	Aug-2	78	5,542			
Jun-28	114	1,532	Aug-3	24	5,566			
Jun-29	184	1,716	Aug-4	72	5,638			

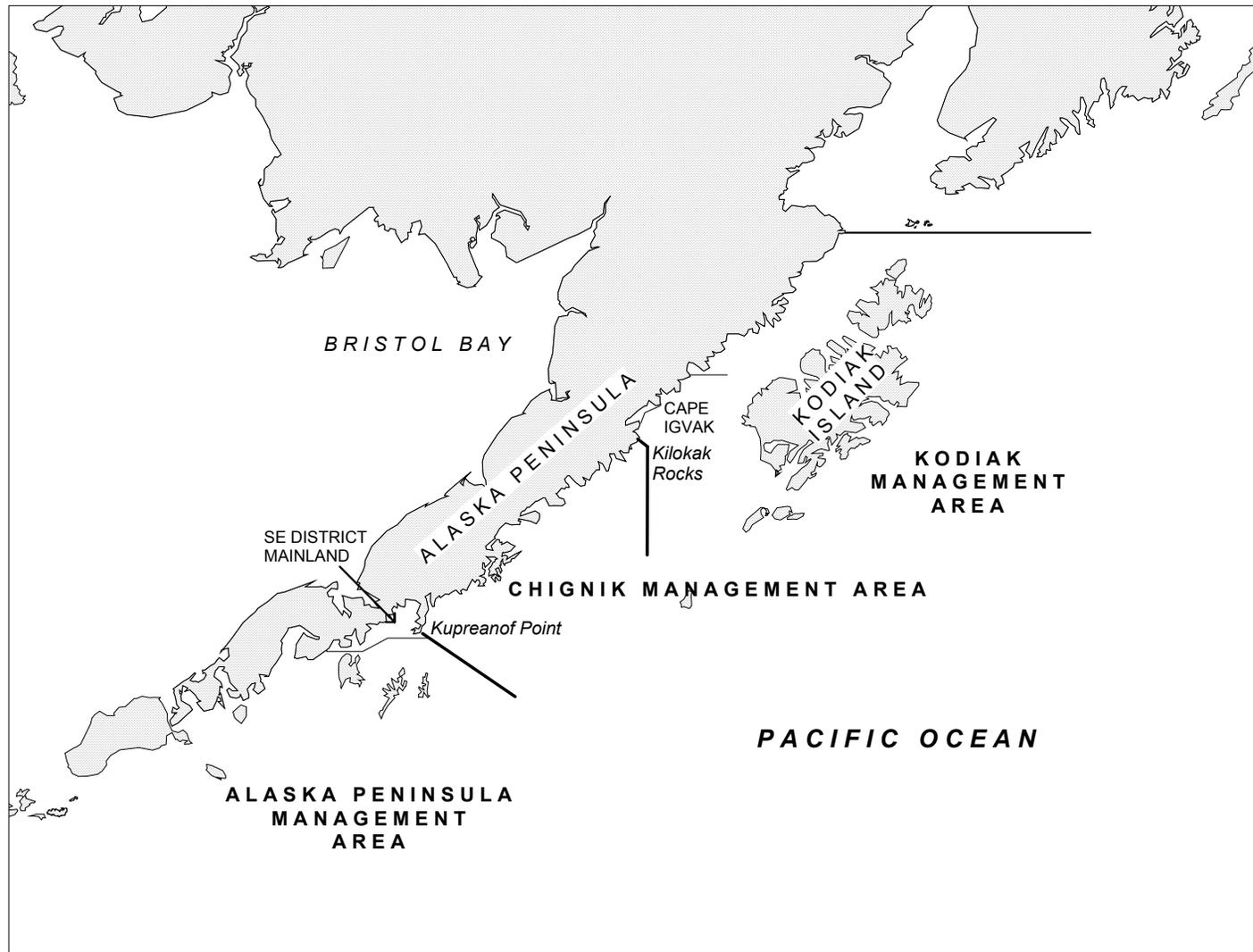


Figure 1.-Map of the Alaska Peninsula illustrating the relative locations of the Chignik, Kodiak, and Alaska Peninsula Management Areas.

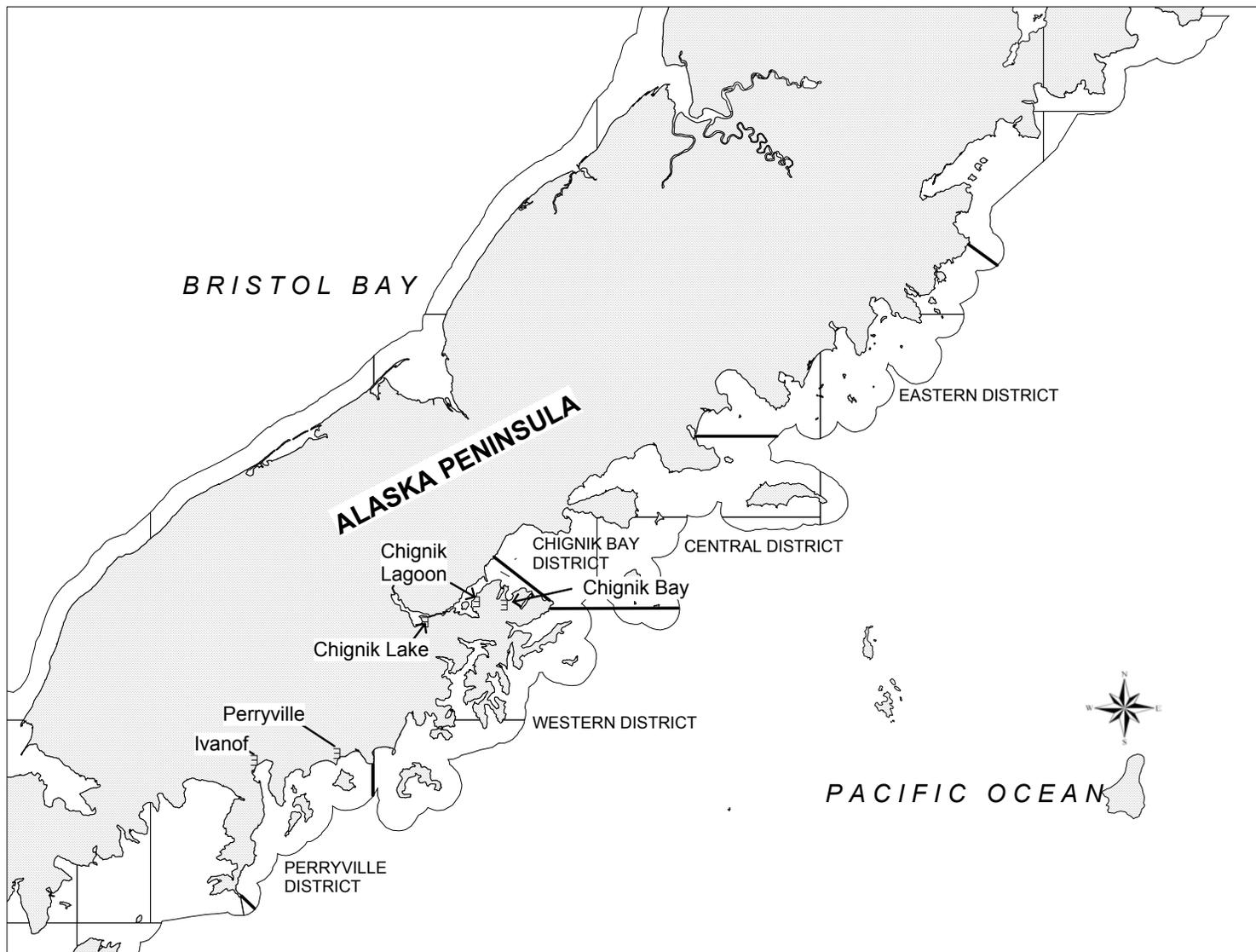


Figure 2.-Map illustrating district boundaries and village locations within the Chignik Management Area.

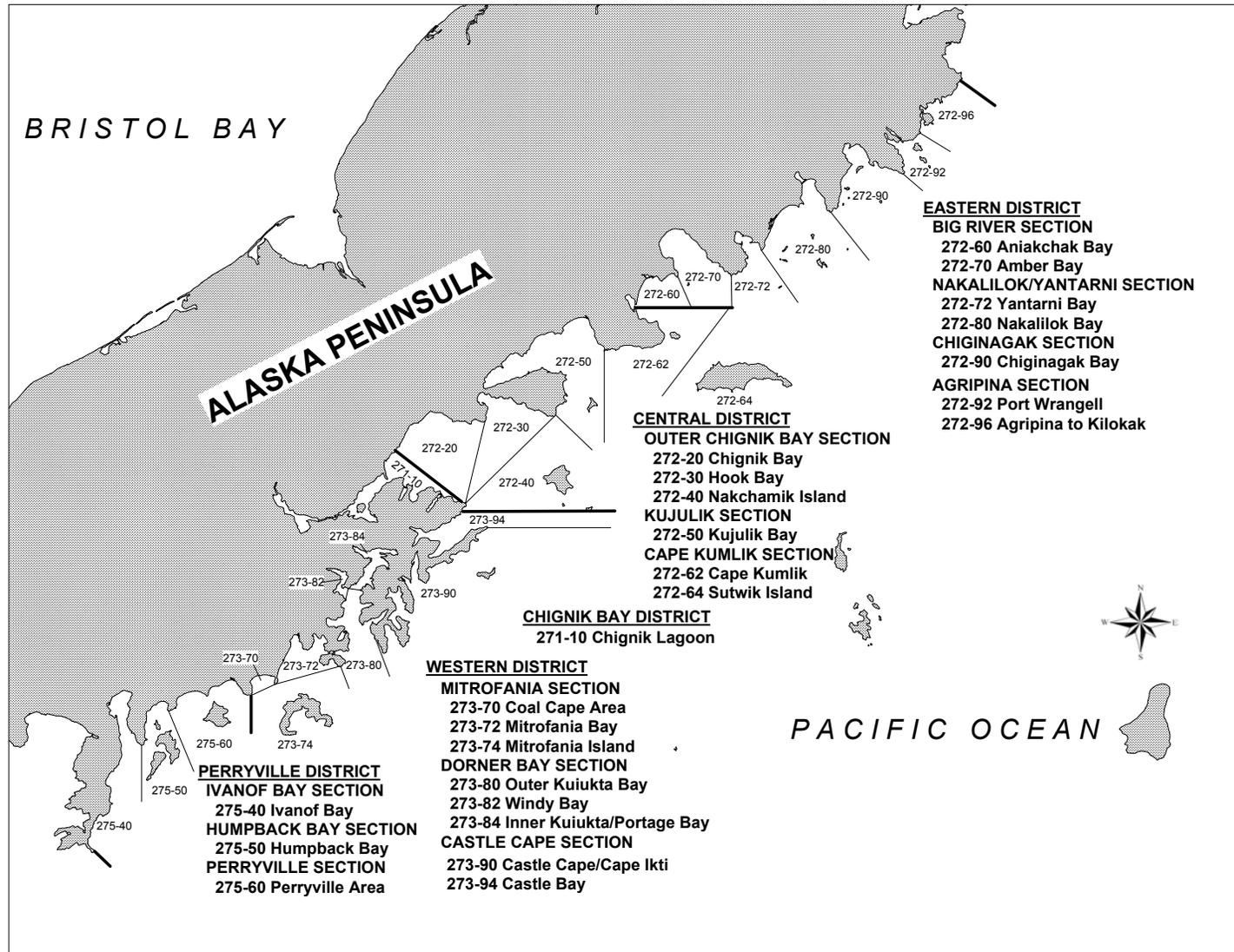


Figure 3.-Map of the Chignik Management Area illustrating district boundaries, section boundaries, and statistical areas.

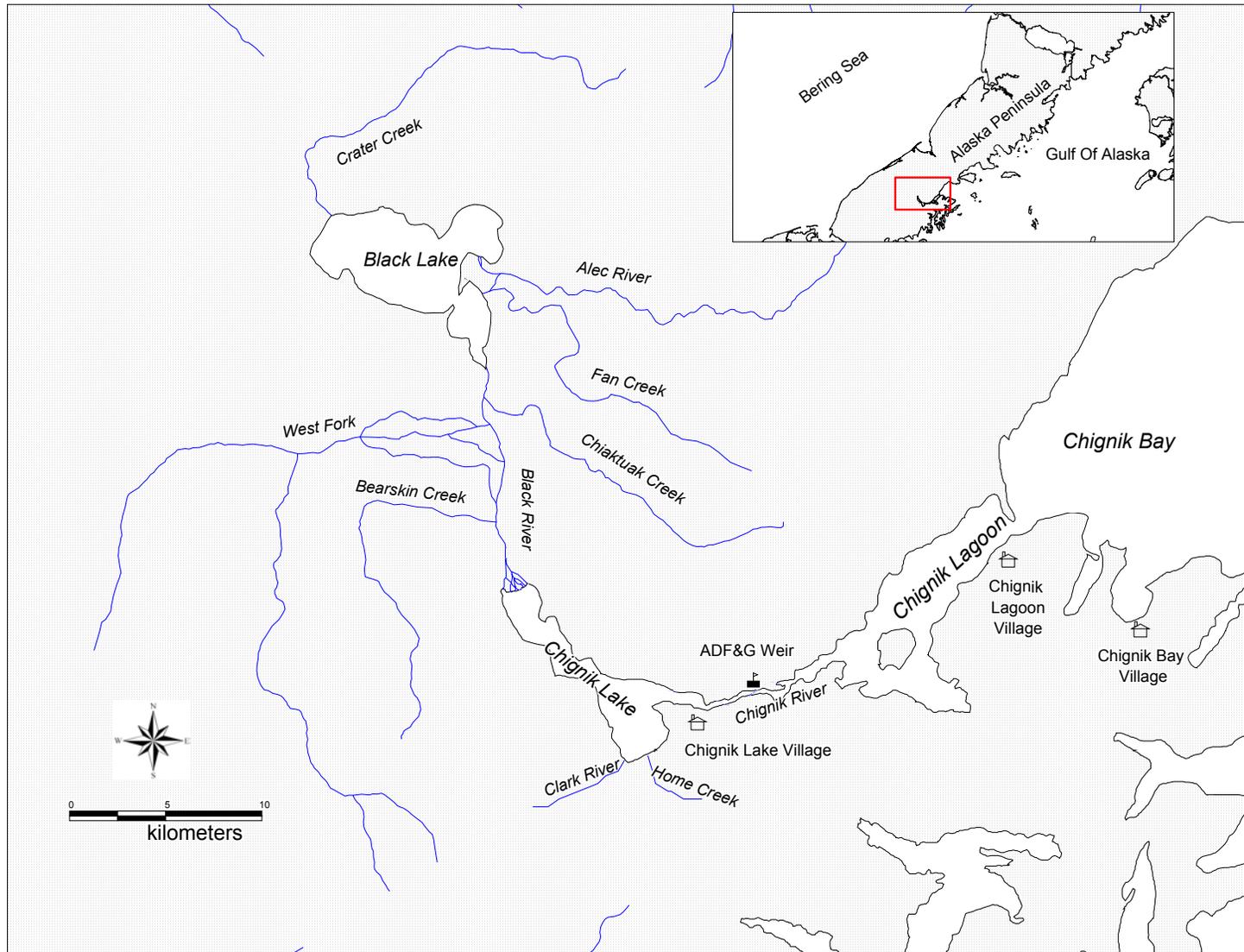


Figure 4.-Map of the Chignik River watershed.

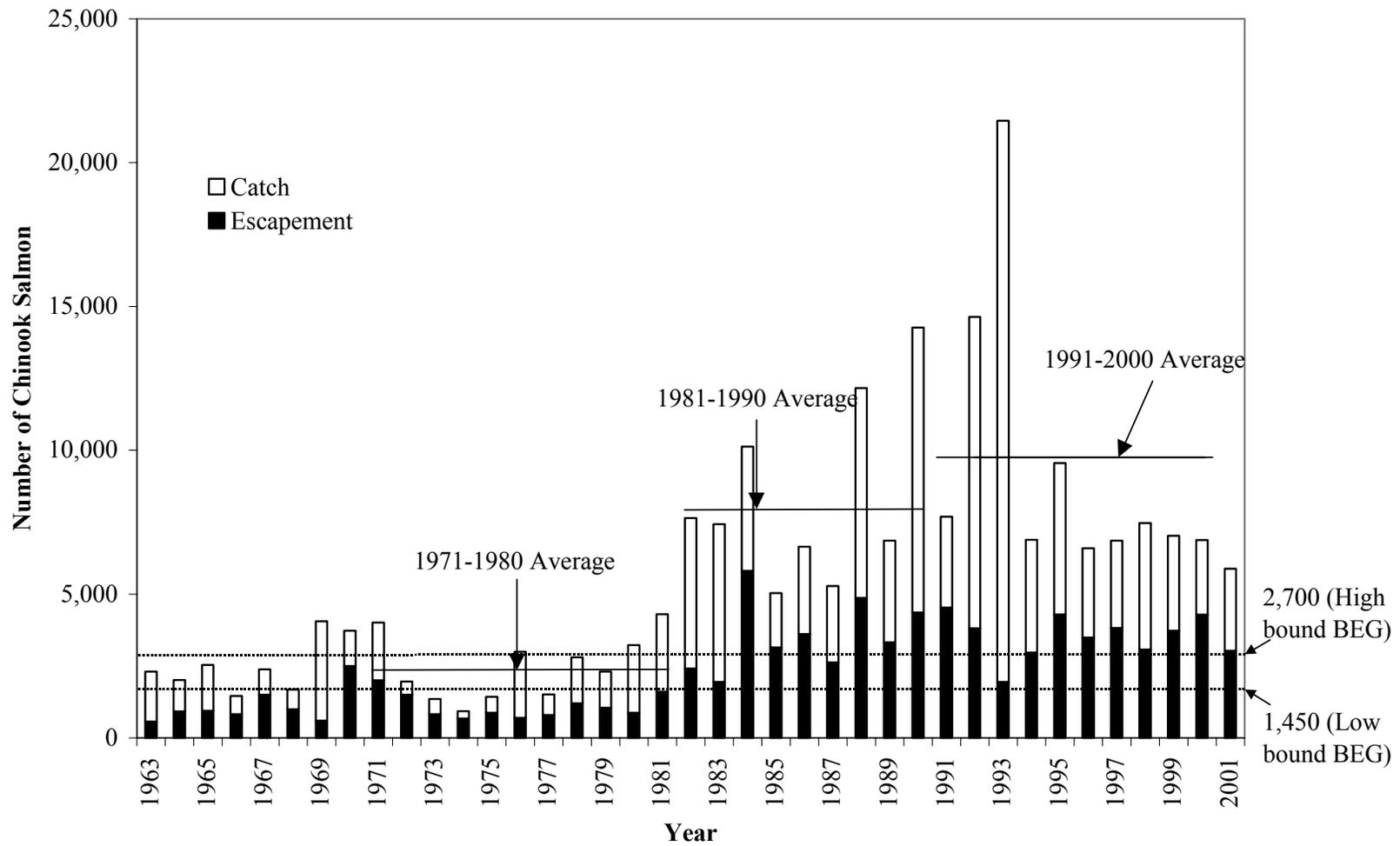


Figure 5.-Chinook salmon catch and escapement in the Chignik Management Area, 1960-2001.

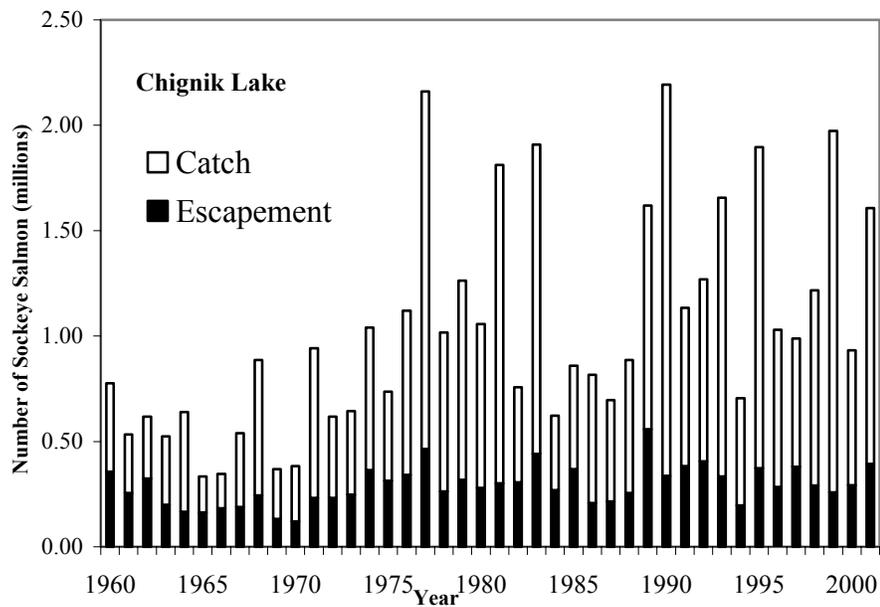
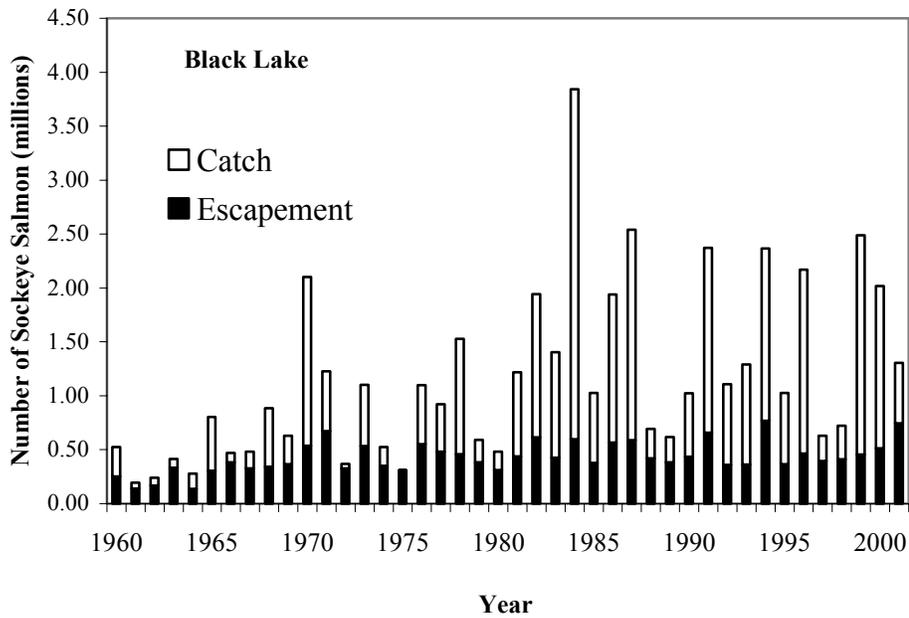


Figure 6.-Black Lake (upper panel) and Chignik Lake (lower panel) sockeye salmon catch and escapement estimates, 1954-2001.

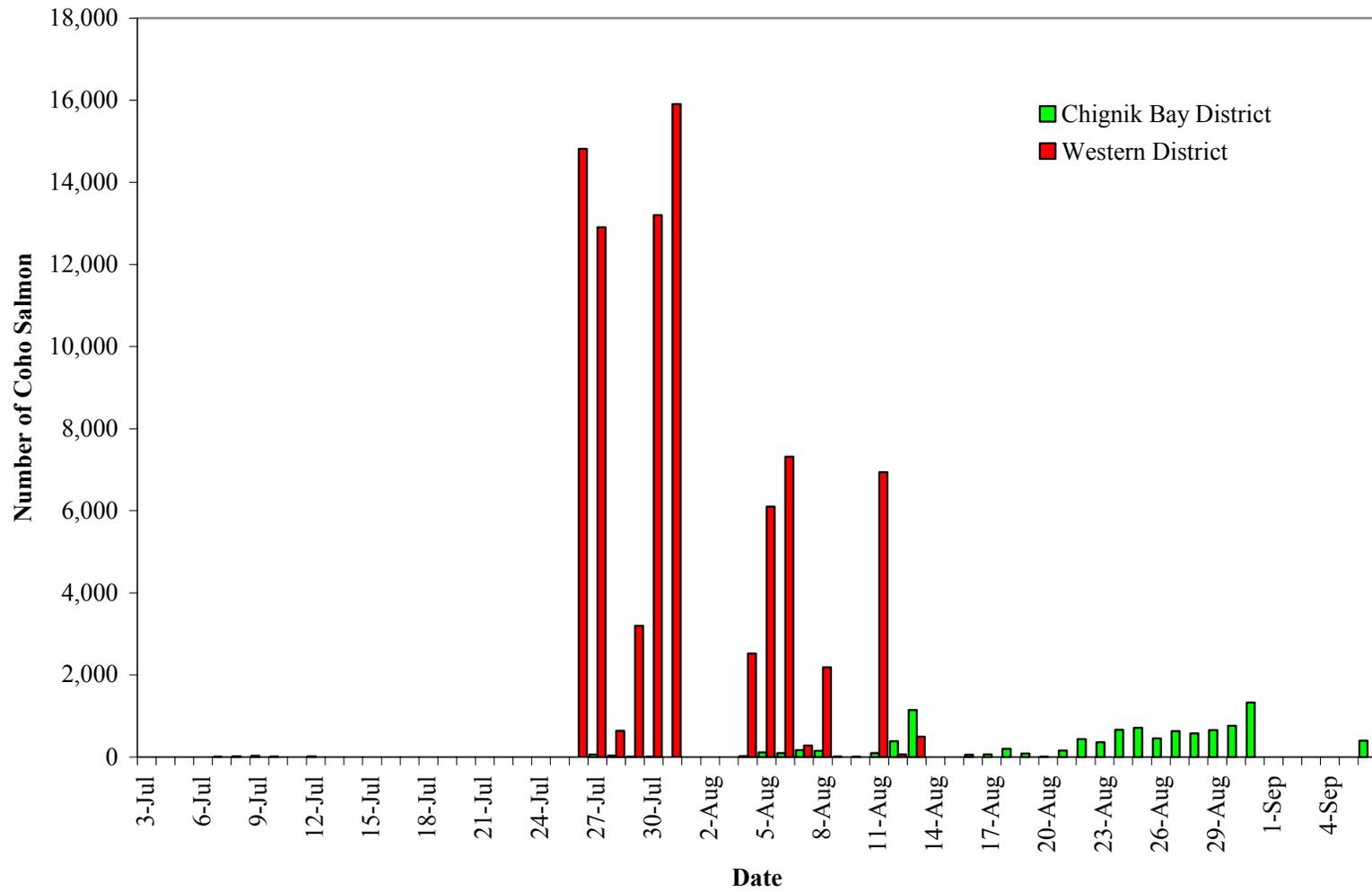


Figure 7.-Estimated coho salmon catch by day in the Western District compared to the Chignik Bay District, 2001.

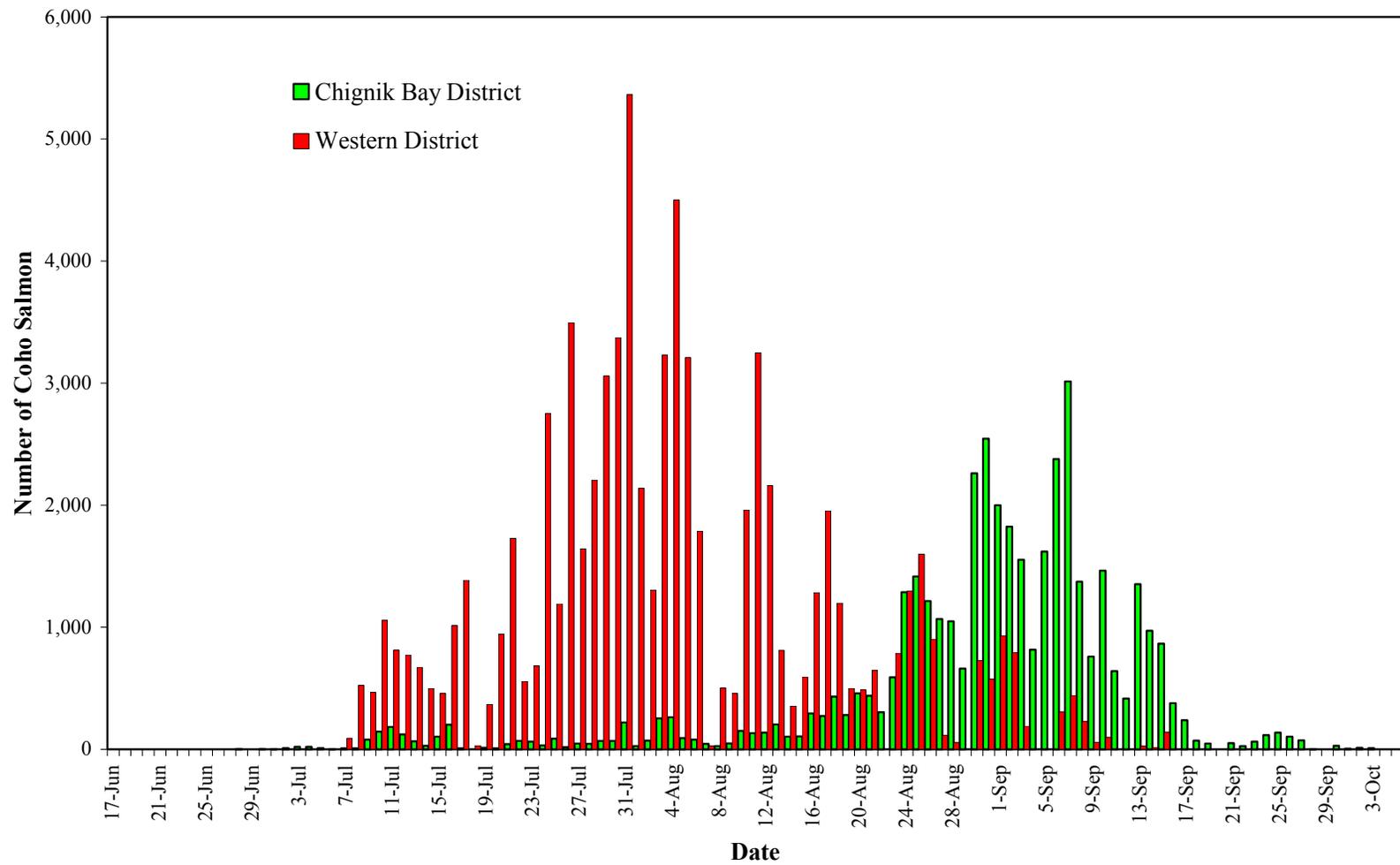


Figure 8.-Average catch of coho salmon by day in the Western District as compared to the Chignik Bay District, 1992-2001.

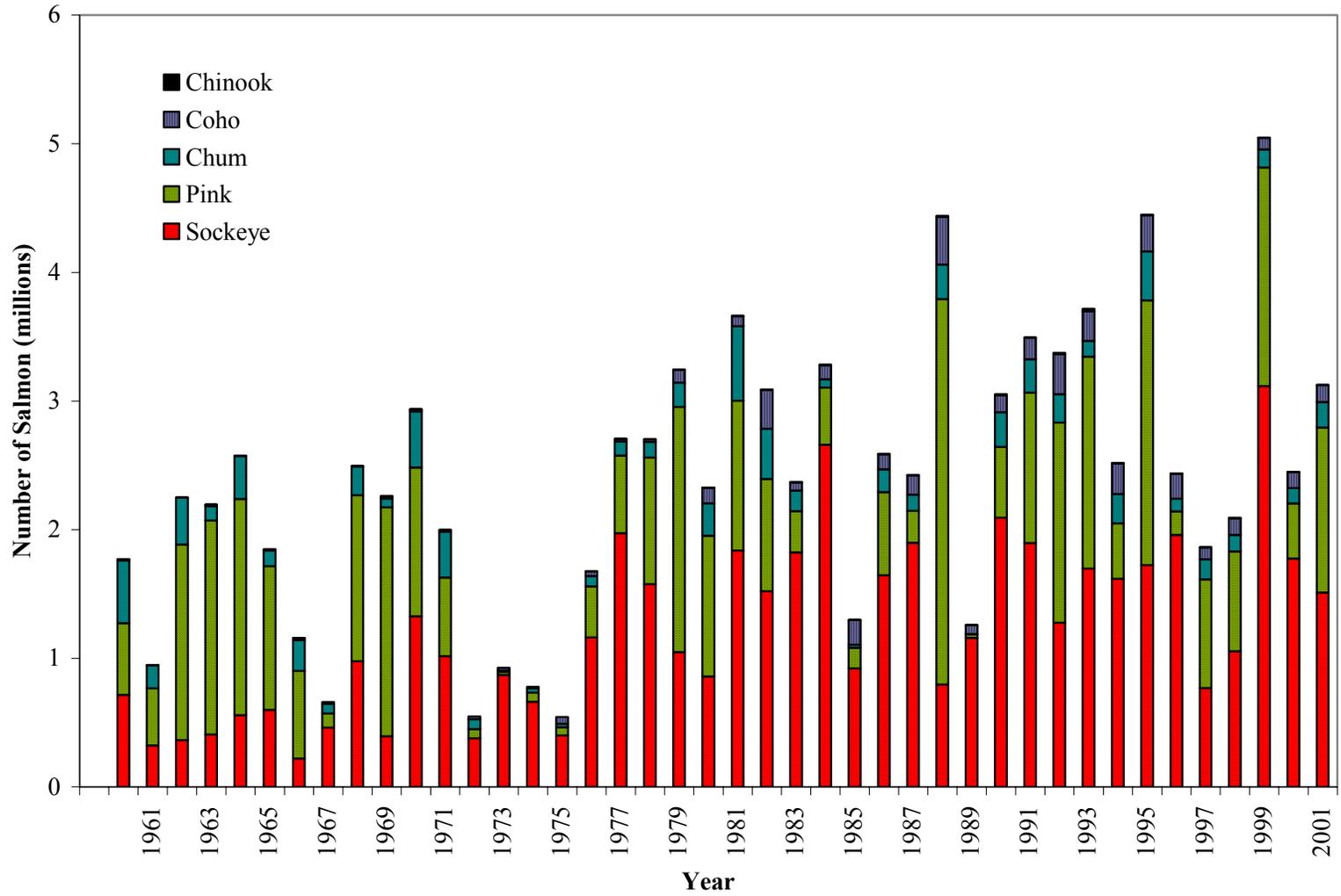


Figure 9.-Total salmon harvests by species in the Chignik Management Area, 1960-2001.

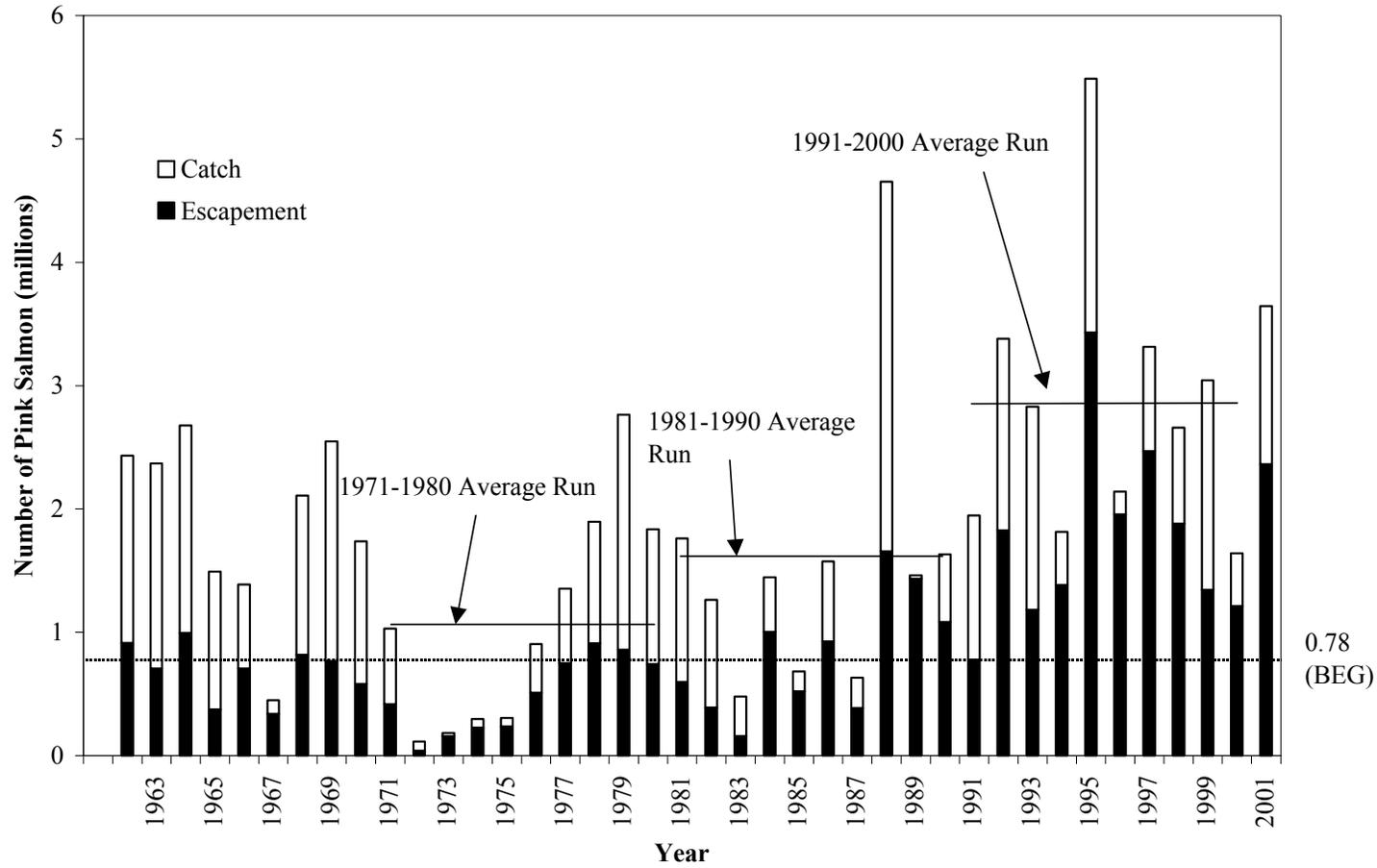


Figure 10.-Pink salmon catch and escapement in the Chignik Management Area, 1960-2001.

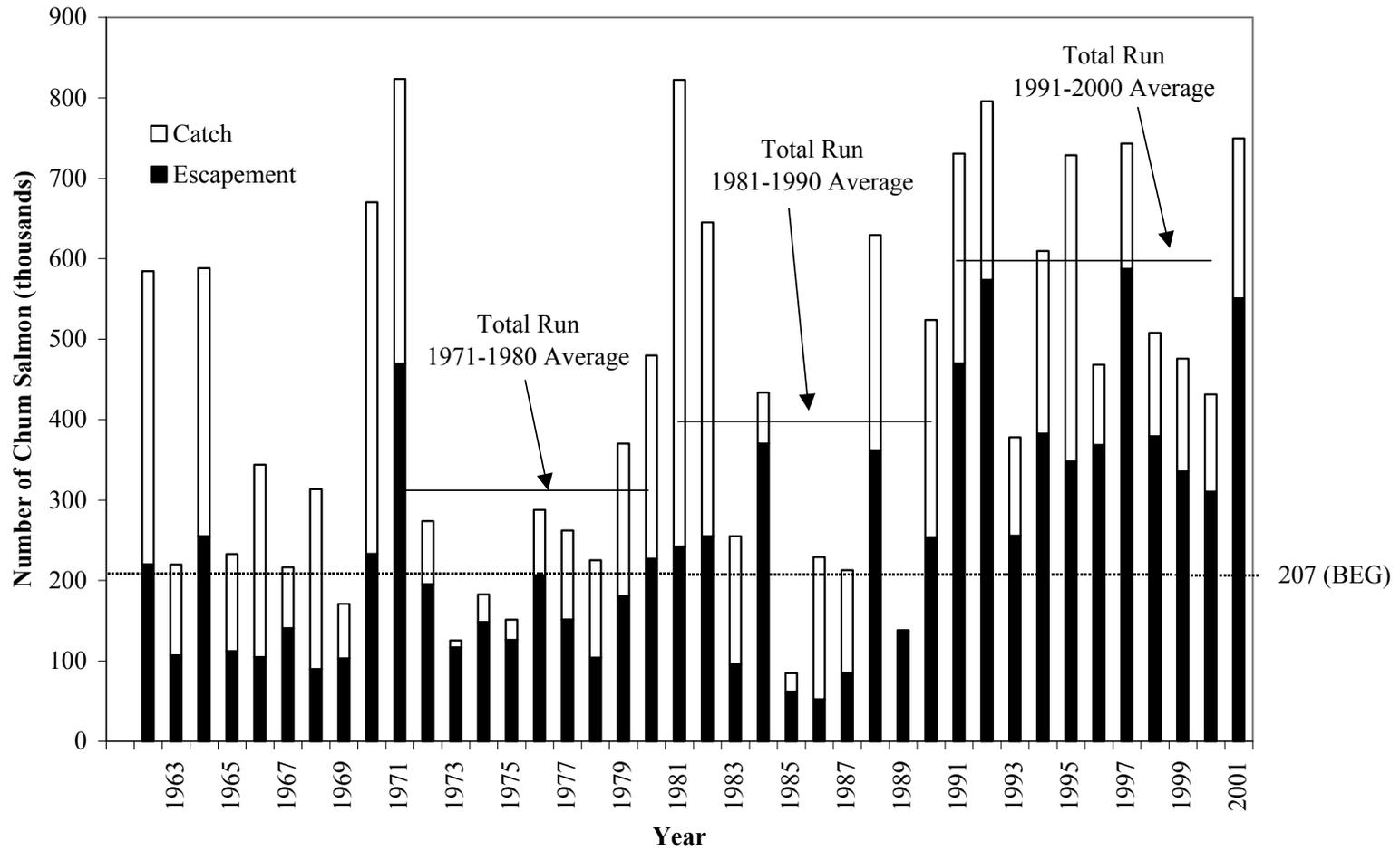


Figure 11.-Chum salmon catch and escapement in the Chignik Management Area, 1962-2001.

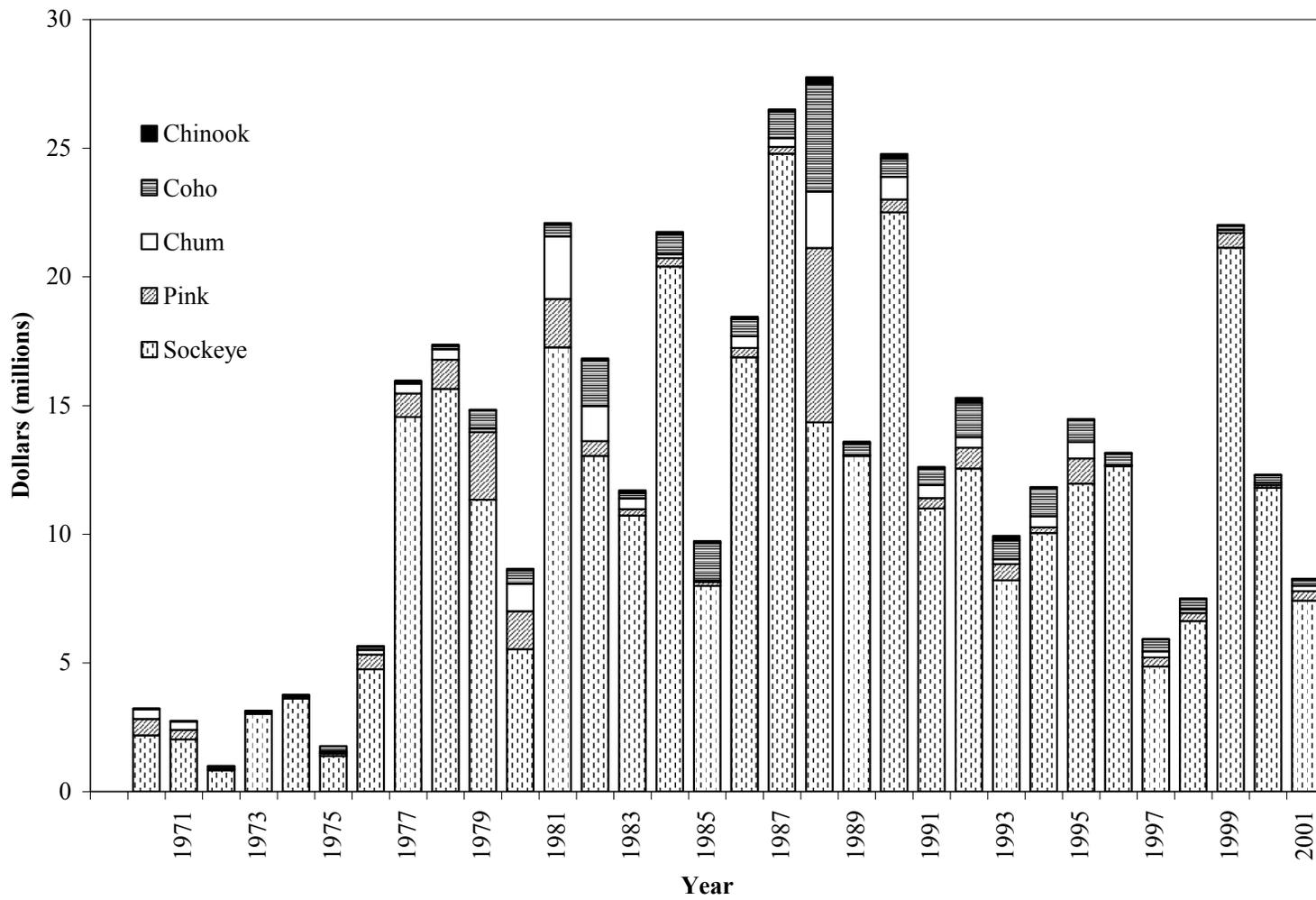


Figure 12.-Exvessel value of salmon harvested in the Chignik Management Area by species, 1970-2001.

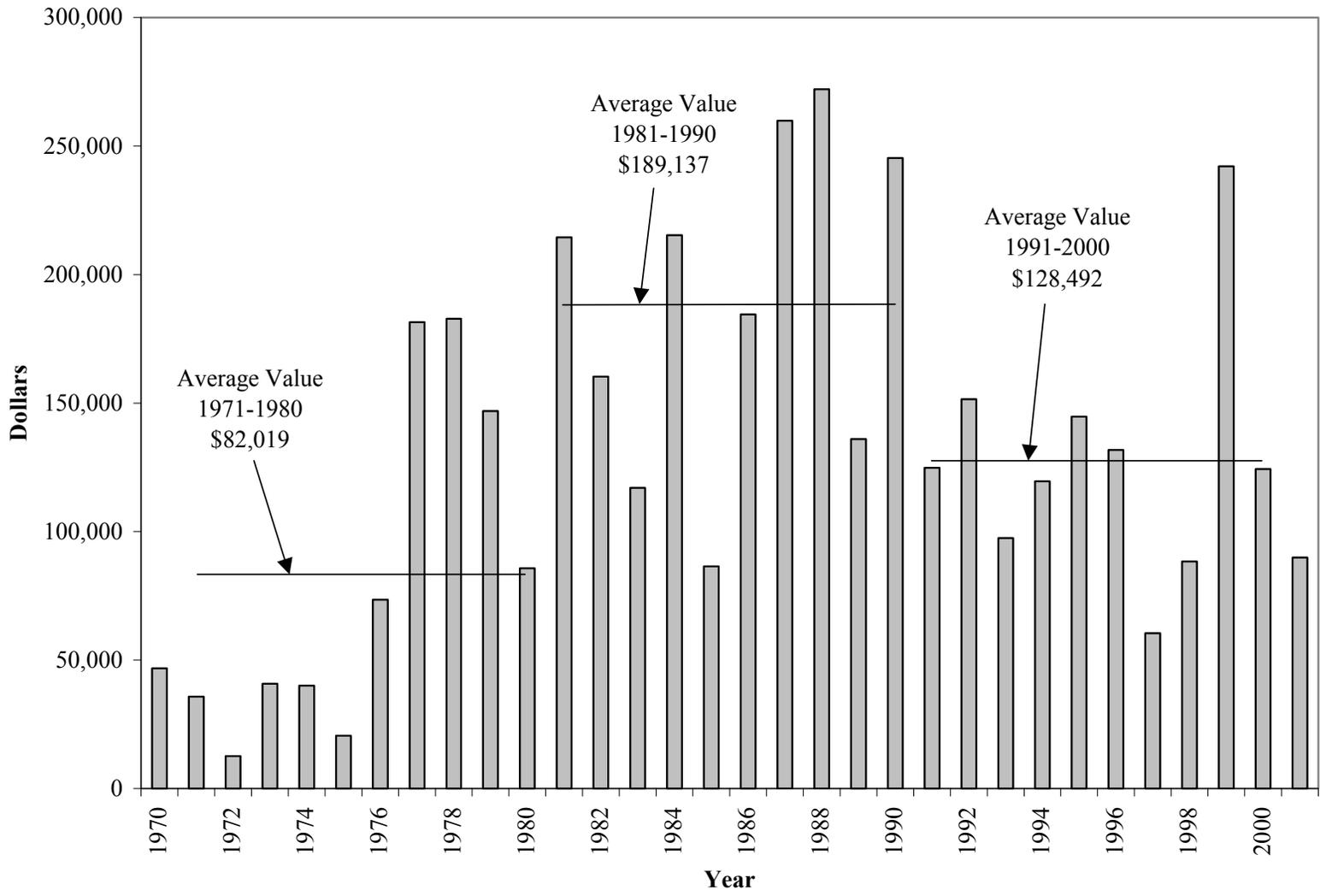


Figure 13.-Average economic value of salmon per Chignik Management Area permit holder, 1970-2001.

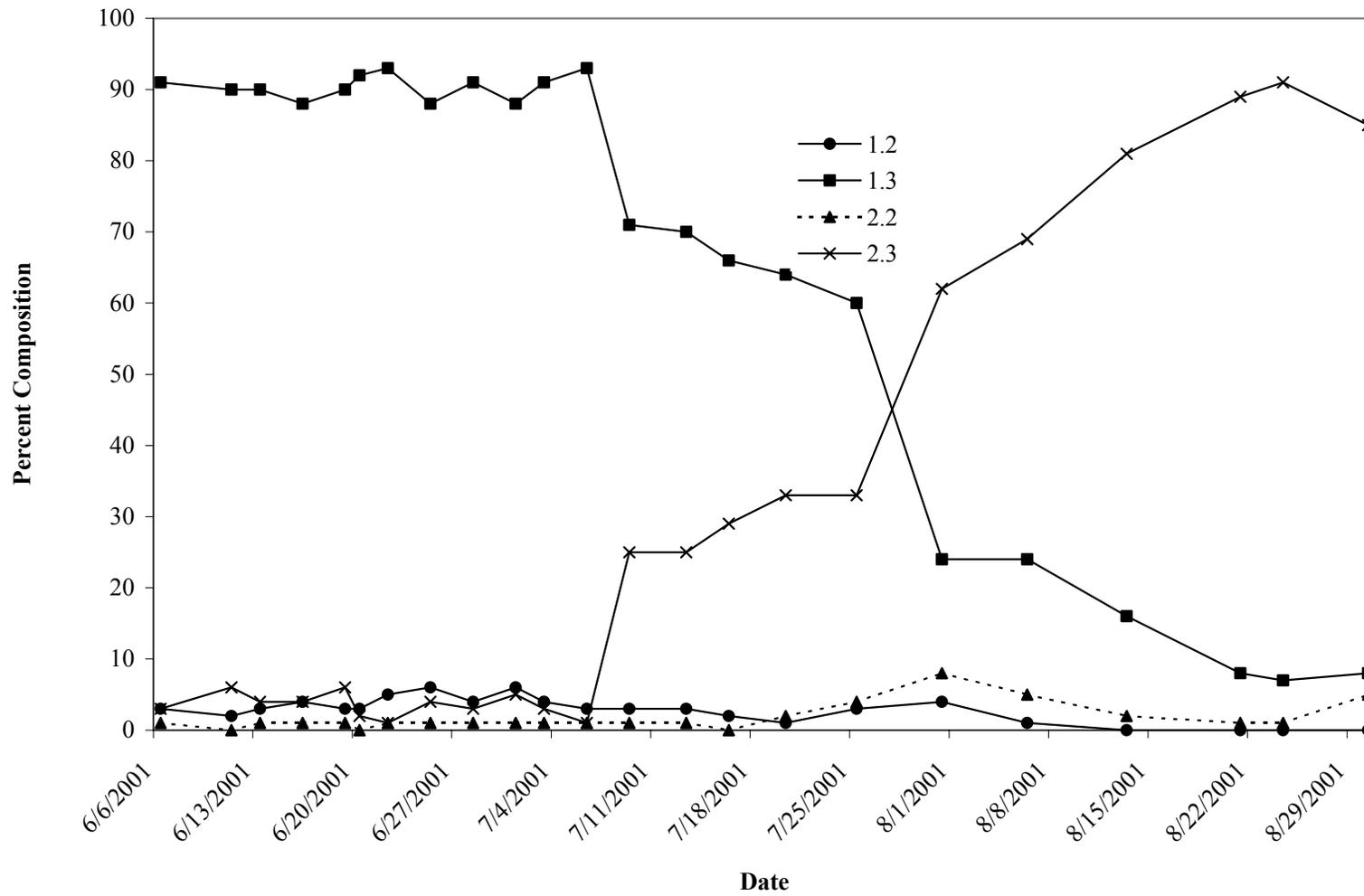


Figure 14.-Age composition of sockeye salmon sampled in the Chignik Lagoon, 2001.

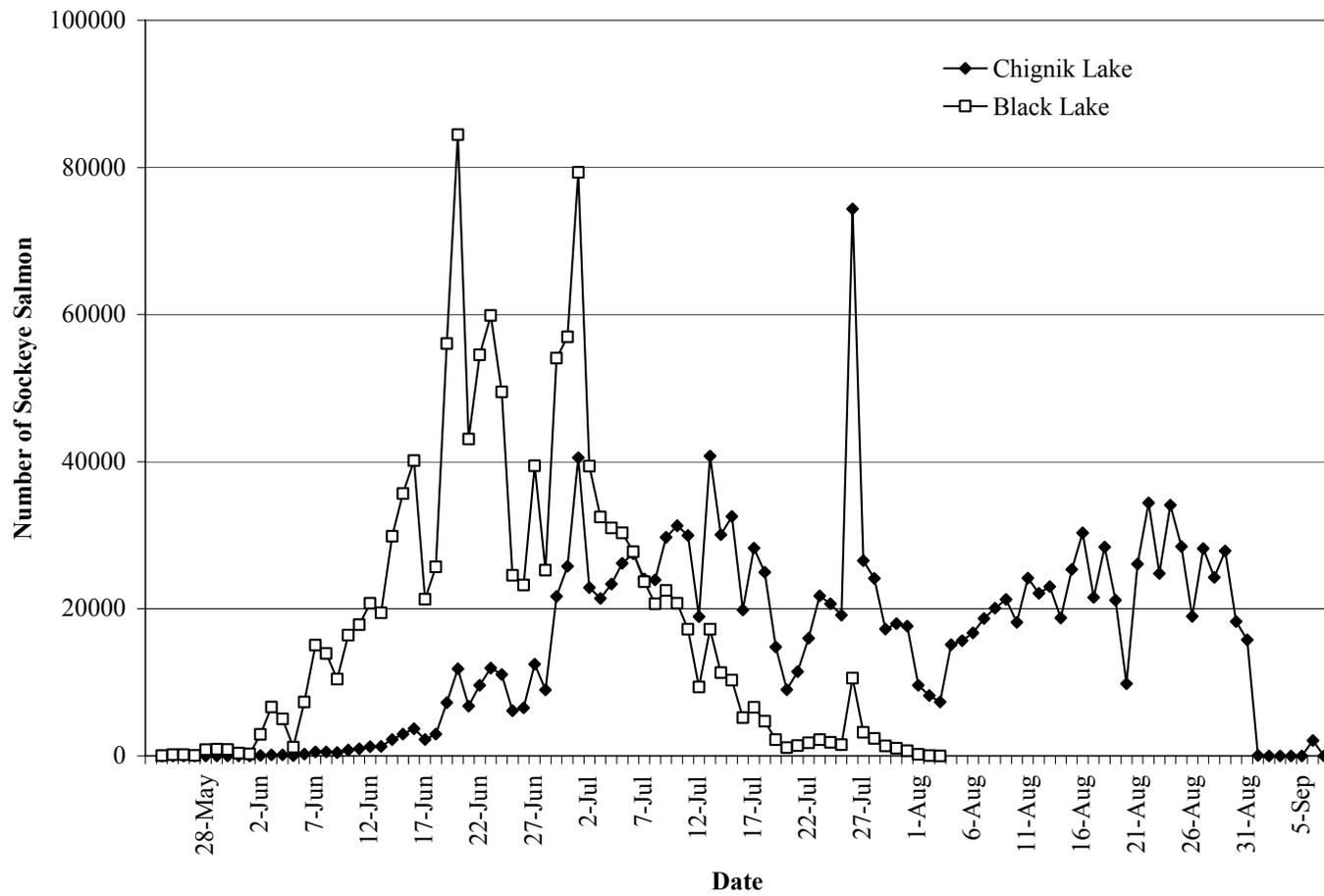


Figure 15.-Black and Chignik Lakes sockeye salmon run (catch and escapement) timing as estimated by postseason scale pattern analysis, 2001.

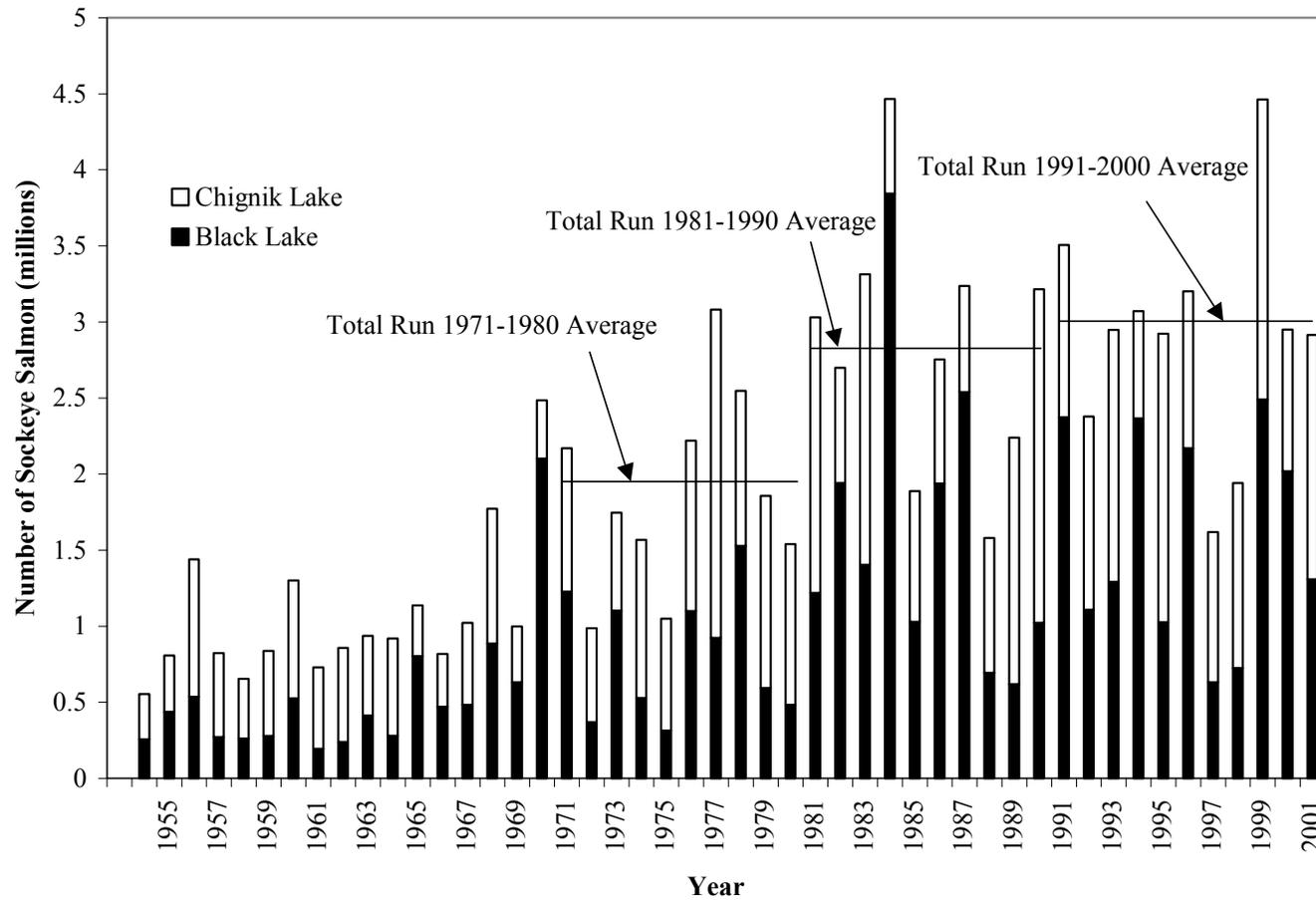


Figure 16.-Estimated total sockeye salmon runs to Black and Chignik Lakes, 1954-2001.

**APPENDIX A: CHIGNIK MANAGEMENT AREA SALMON
REGULATIONS, 2001**

CHAPTER 15. CHIGNIK AREA

ARTICLE 01. DESCRIPTION OF AREA

5 AAC 15.001. 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 chs. 01 and 02 of this title.

5 AAC 15.100. DESCRIPTION OF AREA. The Chignik Area includes all waters of Alaska on the south side of the Alaska Peninsula bounded by a line extending 135 southeast for three miles from a point near Kilokak Rocks at 57 10.34' N. lat., 156 20.22' W. long., (the longitude of the southern entrance to Imuya Bay then due south, and a line extending 135 southeast from Kupreanof Point at 55 33.98' N. lat., 159 35.88' W. long.

ARTICLE 02. FISHING DISTRICTS.

5 AAC 15.200. FISHING DISTRICTS. (a) The Eastern District includes all waters from the latitude of the southernmost ADF&G regulatory marker 500 yards from the mouth of Aniakchak Lagoon to the eastern boundary of the Chignik Area.

(1) Agripina Section: all waters bounded by the eastern boundary of the Chignik Area described in 5 AAC 15.100 and a line extending 130 from Cape Providence at 56 58.67' N. lat., 156 33.47' W. long.;

(2) Chiginagak Section: all waters bounded by a line extending 130 from Cape Providence at 56 58.67' N. lat., 156 33.47' W. long., and a line extending 150 from Cape Kuyuyukak at 56 53.85' N. lat., 156 49.72' W. long.;

(3) Nakalilok-Yantarni Section: all waters bounded by a line extending 150 from Cape Kuyuyukak at 56 53.85' N. lat., 156 49.72' W. long., the longitude of Cape Kunmik at 56 45.88' N. lat., 157 12.05' W. long., and the southern boundary of the Eastern District;

(4) Big River Section: all waters of Amber and Aniakchak Bays bounded by 157 12.05' W. long., and the latitude of the southernmost ADF&G regulatory marker 500 yards from the mouth of Aniakchak Lagoon.

(b) The Chignik Bay District includes all waters of Chignik Bay and Lagoon west of a line from a point near Jack Bay at 56 17.60' N. lat., 158 12.80' W. long., to the creek at 56 24.12' N. lat., 158 27.73' W. long.

(c) The Western District includes all waters south of the latitude of a point southwest of Jack Point at 56 16.40' N. lat., 158 12.50' W. long., excluding the waters of Chignik Lagoon, and north and east of a line extending 170 from Coal Cape at 55 53.42' N. lat., 159 00.45' W. long.

(1) Castle Cape Section: all waters bounded by the latitude of a point southwest of Jack Point at 56 16.40' N. lat., 158 12.50' W. long., and a line extending 165 from a point northwest of Cape Ikti at 56 00.32' N. lat., 158 32.02' W. long.;

(2) Dorner Bay Section: all waters bounded by a line extending 165 from a point northwest of Cape Ikti at 56 00.32' N. lat., 158 32.02' W. long., and a line extending 165 from a point on the west side of Dorner (Kuiukta) Bay's entrance at 55 57.00' N. lat., 158 40.00' W. long.;

(3) Mitrofanina Section: all waters, including Mitrofanina Island, bounded by a line extending 165 from a point on the west side of Dorner (Kuiukta) Bay's entrance at 55 57.00' N. lat., 158 40.00' W. long., and a line extending 170 from Coal Cape at 55 53.42' N. lat., 159 00.45' W. long.;

(4) repealed 5/29/99.

(d) The Perryville District includes all waters bounded by a line extending 170 from Coal Cape at 55 53.42' N. lat., 159 00.45' W. long., and a line extending 135 southeast from Kupreanof Point at 55 33.98' N. lat., 159 35.88' W. long.

-Continued-

(1) Perryville Section: all waters, including the Chiachi Islands, bounded by a line extending 170 from Coal Cape at 55 53.42' N. lat., 159 00.45' W. long., and a line extending 155 from Coal Point at 55 51.47' N. lat., 159 18.95' W. long.;

(2) Humpback Bay Section: all waters, including Paul and Jacob Islands, bounded by a line extending 155 from Coal Point at 55 51.47' N. lat., 159 18.95' W. long., and the longitude of Alexander Point at 55 47.32' N. lat., 159 24.68' W. long.;

(3) Ivanof Bay Section: all waters bounded by the longitude of Alexander Point at 55 47.32' N. lat., 159 24.68' W. long., and a line extending 135 southeast from Kupreanof Point at 55 33.98' N. lat., 159 35.88' W. long.

(e) The Central District includes all waters, excluding the waters of the Chignik Bay District, bounded by the latitude of a point southwest of Jack Point at 56 16.40' N. lat., 158 12.50' W. long., and the latitude of the southernmost ADF&G regulatory marker 500 yards from the mouth of Aniakchak Lagoon.

(1) Cape Kumlik Section: all waters, including Sutwik Island, bounded by the latitude of the southernmost ADF&G regulatory marker 500 yards from the mouth of Aniakchak Lagoon and the longitude of a point on the southwest side of Cape Kumlik at 56 36.48' N. lat., 157 40.53' W. long.;

(2) Kujulik Section: all waters bounded by the longitude of a point on the southwest side of Cape Kumlik at 56 36.48' N. lat., 157 40.53' W. long., and a line extending 145 from a point on Cape Kumliun at 56 28.58' N. lat., 157 51.55' W. long.;

(3) Outer Chignik Bay Section: all waters, including Nakchamik Island, bounded by a line extending 145 from a point on Cape Kumliun at 56 28.58' N. lat., 157 51.55' W. long., and the latitude of a point southwest of Jack Point at 56 16.40' N. lat., 158 12.50' W. long., excluding the waters of the Chignik Bay District.

ARTICLE 03. SALMON FISHERY

5 AAC 15.310. FISHING SEASONS. (a) In the Chignik Bay District, salmon may be taken only from June 1 through October 31.

(b) The Perryville, Western, Central and Eastern Districts are opened by emergency order.

5 AAC 15.320. WEEKLY FISHING PERIODS. (a) Salmon fishing periods shall be established by emergency order.

(b) Repealed 3/13/75.

5 AAC 15.330. GEAR. (a) Salmon may be taken only by purse seine and hand purse seine.

(b) Repealed 4/24/80.

5 AAC 15.332. SEINE SPECIFICATIONS AND OPERATIONS. (a) In the Eastern, Central, Western and Perryville Districts no purse seine less than 100 fathoms or more than 225 fathoms in length may be used.

(b) In the Eastern, Central, Western and Perryville Districts no hand purse seine less than 100 fathoms or more than 225 fathoms in length may be used.

(c) In the Chignik Bay District, purse seines and hand purse seines may not be less than 100 fathoms or more than 125 fathoms in length.

(d) No seine may be less than three fathoms nor more than 375 meshes in depth; in addition, up to twenty-five meshes of chafing gear with a maximum mesh size of seven inches may be used.

(e) No lead may be more than 75 fathoms in length. The aggregate length of seine and lead may not be more than 225 fathoms in the Eastern, Central, Western and Perryville Districts.

-Continued-

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(f) When a purse seine or hand purse seine is in the water for the purpose of taking fish, the seine shall be attached to the licensed vessel operating the gear.

5 AAC 15.350. CLOSED WATERS. Salmon may not be taken in the following waters:

(1) Chignik Lagoon:

(A) southwest of a line from the tip of Hume Point to the northside of Chignik Island (56 17.42' N. lat., 158 35.50' W. long.);

(B) Mallard Duck Bay: southwest of a line from the tip of Green Point to Chignik Island (56 16.63' N. lat., 158 34.90' W. long.);

(2) Kilokak Rocks Bay: northwest of a line from the southern entrance of the bay at 57 09.78' N. lat., 156 20.78' W. long., then to the opposite shore 500 yards northeast of the mouth of Kilokak Rocks Creek at 57 10.07' N. lat., 156 20.78' W. long.;

(3) Agripina River: west of a line from 57 06.72' N. lat., 156 28.22' W. long., to 57 06.44' N. lat., 156 28.67' W. long.;

(4) Chiganagak Bay: north of a line from 57 00.50' N. lat., 156 45.75' W. long., to 57 01.68' N. lat., 156 41.97' W. long.;

(5) Nakalilok Lagoon: the lagoon and within 500 yards of the entrance;

(6) Yantarni Lagoon: the lagoon and within 500 yards of the entrance;

(7) Aniakchak River: northwest of a line from approximately 500 yards northeast of the mouth at 56 45.86' N. lat., 157 28.88' W. long., to an ADF&G regulatory marker on the southern tip of the island directly off the mouth and then to approximately 1,000 yards southwest of the mouth at 56 45.28' N. lat., 157 31.53' W. long.;

(8) Aniakchak Lagoon: the lagoon and within 500 yards of the entrance;

(9) Kujulik Bay: the southwest end of the bay southwest of a line from 56 35.85' N. lat., 157 59.12' W. long., to the opposite shore at 56 34.50' N. lat., 157 54.63' W. long.;

(10) Portage Bay: west of a line from 56 11.68' N. lat., 158 33.07' W. long., to 56 10.58' N. lat., 158 33.07' W. long.;

(11) Ivan Bay: north of a line from the ADF&G regulatory marker on the northwest shore, 1,000 yards from the stream mouth, to the ADF&G regulatory marker on the southeast shore 750 yards from the stream mouth;

(12) Humpback Bay: within 1,000 yards of the terminus of Humpback Bay stream at 55 52.68' N. lat., 159 20.12' W. long.;

(13) Ivanof Bay: all waters northwest of a line from a point on the northeast shore at 55 52.42' N. lat., 159 28.40' W. long., to a point on the north end of the spit at 55 50.95' N. lat., 159 31.02' W. long. (all waters northwest of Road Island are closed);

(14) Alfred Creek: before August 1, the 500-yard closure at the terminus described in 5 AAC 39.290 does not apply; the 500-yard closure does apply from August 1 to the end of the salmon fishing season;

(15) Dago Frank Creek: before August 1, the 500-yard closure at the terminus described in 5 AAC 39.290 does not apply; the 500-yard closure does apply from August 1 to the end of the salmon fishing season;

(16) Hook Bay: southwest of a line from the tip of Hook Bay Spit at 56 30.07' N. lat., 158 08.18' W. long., to a point northwest of the spit at 56 30.61' N. lat., 158 09.27' W. long.;

-Continued-

(17) unnamed stream at 55 48.98' N. lat.; 159 24.45' W. long.; the 500-yard closure at the terminus described in 5 AAC 39.290 does not apply;

(18) Lake Bay: all waters southwest of a line drawn at the entrance to Lake Bay at 56 18.80' N. lat., 158 17.62' W. long., extending across the entrance to Lake Bay to a point at 56 18.32' N. lat., 158 16.20' W. long.;

(19) Mud Bay: all waters southwest of a line from 56 19.42' N. lat., 158 25.10' W. long., extending across the entrance to Mud Bay;

(20) from July 6 through August 31, all waters of Alaska in the Ivanof Bay Section, between a line extending 135 from Kupreanof Point at 55 33.98' N. lat., 159 35.88' W. long., and a line extending 65 from 55 34.90' N. lat., 159 37.10' W. long.

5 AAC 15.355. REPORTING REQUIREMENTS. (a) 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.

(b) A commercial fisherman shall report, on an ADF&G fish ticket at the time of landing, the number of salmon taken but not sold.

5 AAC 15.357. CHIGNIK AREA SALMON MANAGEMENT PLAN. (a) The department shall manage the commercial salmon fishery in the Chignik Area in accordance with the guidelines set out in the management plan under this section. The goal of this management plan is to allow traditional fisheries in the area to be conducted on Chignik Area salmon stocks, and to achieve the department's biological escapement goals for both Black Lake (early run) and Chignik Lake (late run) sockeye salmon and local stocks of pink, chum, coho, and chinook salmon.

(b) In the Chignik Bay and Central Districts, the commercial salmon fishery shall open concurrently based on escapement objectives for the Chignik

Lakes' system sockeye salmon runs, except that

(1) the first fishing period shall occur when the following conditions have been met

(A) a minimum escapement of 40,000 sockeye salmon past the weir at Chignik River by June 12 or until a subsequent interim escapement goal is achieved; and

(B) there is a strong build-up of sockeye salmon in Chignik Lagoon, as indicated by the department's test fishing program;

(2) during the period of transition from the predominance of the early-run sockeye salmon to that of the late-run sockeye salmon, (usually late June through mid-July), the commissioner shall open and close, by emergency order, the fishing periods to harvest surplus early-run sockeye salmon without jeopardizing the late-run sockeye salmon escapement objectives;

(3) from the end of the transition period, described in (2) of this subsection until September 14, the commissioner shall open and close, by emergency order, fishing periods in the Chignik Bay and Central Districts based on the Chignik Lakes' system sockeye salmon escapement goals; the commissioner may take additional emergency order actions to protect or harvest local pink, chum, chinook and coho salmon runs; and

(4) beginning September 15, fishing periods in the Chignik Bay and Central Districts may be no more than 48-hours per week, and shall be based on the department's evaluation of the sockeye salmon run strength and the subsistence needs for Chignik Lake late-season sockeye salmon.

-Continued-

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(c) In the Eastern District,

(1) during June, the commercial salmon fishery shall open concurrently with the Chignik Bay and Central Districts, and the openings shall be based on achieving the Black Lake sockeye salmon escapement goals;

(2) from approximately June 26 through July 9,

(A) the department shall evaluate the strength of the sockeye salmon late run; and

(B) in order to continue managing the Black Lake sockeye salmon harvest and escapement, while assessing the Chignik Lake sockeye salmon run strength, commercial salmon fishing in the Eastern District will, in the department's discretion, be disallowed or severely restricted;

(3) from the end of the transition period, described in (b)(2) of this section, until the end of the fishing season, the department shall manage the commercial salmon fishery based on its evaluation of local pink, chum, and coho salmon runs, and the escapement objectives of the Chignik Lakes' system sockeye salmon.

(d) In the Western and Perryville Districts, the department may open the commercial salmon fishery beginning July 6, except that

(1) from approximately late June to mid-July (transition period),

(A) the department shall evaluate the strength of the sockeye salmon late run; and

(B) in order to allow the department to assess the Chignik Lake run strength, commercial salmon fishing in the Western and Perryville Districts will, in the department's discretion, be disallowed or severely restricted;

(2) from the end of the transition period, described in (b)(2) of this section, until approximately August 20, fishing periods shall be based on the department's evaluation of local pink and chum salmon runs, and its evaluation of the Chignik Lake sockeye salmon run; and

(3) from approximately August 20 until the end of the fishing season, fishing periods shall be based on the department's evaluation of local coho salmon runs, and its evaluation of the Chignik Lake sockeye salmon run.

**APPENDIX B: CHIGNIK RIVER SYSTEM SOCKEYE SALMON
ESCAPEMENT GOALS AND OBJECTIVES FOR THE EARLY RUN
(BLACK LAKE) AND THE LATE RUN (CHIGNIK LAKE) BY TIME
PERIOD**

Appendix B1.—Chignik River system sockeye salmon escapement goals for the early run (Black Lake) and the late run (Chignik Lake) by time period.

The numbers of fish presented in the escapement tables below were derived from averages over several years of escapements of various timing and magnitude. It should be noted that daily escapement levels will fluctuate considerably throughout the run. The tables listed serve only as a guide for achieving the total escapement for each run. Inseason variations from the figures listed may be due to variations in actual timing and/or strength of the run.

Early Run-400,000 Escapement		
Date	Lower	Upper
June 12		40,000
June 14	50,000 -	65,000
June 16	75,000 -	100,000
June 18	125,000 -	150,000
June 20	175,000 -	200,000
June 22	225,000 -	250,000
June 25	275,000 -	325,000
June 30	350,000 -	400,000

Late Run-250,000 Escapement to August 31		
Date	Early Escapement Is Achieved	Early Escapement Is Not Achieved
July 6		40,000
July 8		45,000 - 50,000
July 10	- 40,000	55,000 - 65,000
July 12	50,000 - 60,000	70,000 - 75,000
July 14	65,000 - 75,000	75,000 - 80,000
July 16	80,000 - 90,000	80,000 - 90,000
July 19	100,000 - 115,000	100,000 - 115,000
July 21	125,000 - 135,000	125,000 - 135,000
July 23	145,000 - 160,000	150,000 - 160,000
July 26	170,000 - 180,000	170,000 - 180,000
July 29	185,000 - 195,000	190,000 - 195,000
July 31	195,000 - 200,000	195,000 - 200,000
August 31	200,000 - 250,000	200,000 - 250,000

Late Run - 25,000 Supplemental Escapement Objective September 1-15	
Date	Goal
September 1 - 25	25,000

**APPENDIX C: SALMON ESCAPEMENT SURVEY COUNTS IN THE
CHIGNIK AREA, 2001**

Appendix C1.—Salmon escapement survey counts in the Chignik Area, 2001.

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Boulevard Creek, 271-083	08/13/2001	George Pappas	Stream Mouth Bay	G	0	265,000	0	0	0	43 BEAR, AND 50,000 RED MORTS.
Black Lake, 271-084	08/27/2001	George Pappas	Stream Mouth Bay	G	0	0	0	0	0	SHORE OF BLACK LAKE.
	08/27/2001	George Pappas	Stream Mouth Bay	E E G	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	UPPER END OF BLACK LAKE.
Alec River, 271-085	08/13/2001	George Pappas	Stream Mouth Bay	G	0	207,000	0	0	0	50,000 RED MORTS.
Broad Creek, 271-087	08/13/2001	George Pappas	Stream Mouth Bay	G	0	89,000	0	0	0	10,000 RED MORTS.
Conglomerate Creek, 271-088	08/13/2001	George Pappas	Stream Mouth Bay	G	0	4,000	0	0	0	
Cathedral Creek, 271-089	08/13/2001	George Pappas	Stream Mouth Bay	G G	0 0	300 1,000	0 0	0 0	0 0	
Milk Creek, 271-090	08/13/2001	George Pappas	Stream Mouth Bay	G G	0 0	19,000 1,000	0 0	0 0	0 0	8,000 RED MORTS.
Fan Creek, 271-091	07/07/2001	George Pappas	Stream Mouth Bay	E	0	10,000	0	0	0	ONLY SURVEYED 2 MILES OF RIVER. TOO WINDY, TURNED BACK.

-Continued-

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	07/16/2001		Stream	E	0	40,000	0	0	0	
	George Pappas		Mouth	E	0	5,000	0	0	0	
			Bay	G	0	200,000	0	0	0	
	08/13/2001		Stream	G	0	77,000	0	0	0	30,000 RED MORTS.
	George Pappas		Mouth Bay							
Chiaktuak Creek, 271-092										
	08/13/2001		Stream	F	0	9,500	0	0	0	1,000 RED MORTS.
	George Pappas		Mouth	G	0	2,500	0	0	0	
			Bay							
	08/27/2001		Stream	G	0	8,000	0	0	0	
	George Pappas		Mouth	G	0	700	0	0	0	
			Bay							
Cucumber Creek, 271-093										
	08/27/2001		Stream	G	0	500	0	0	0	
	George Pappas		Mouth	G	0	10	0	0	0	
			Bay	G	0	3,000	0	0	0	
Lake Bay Creek, 271-101B										
	08/05/2001		Stream	G	0	0	0	1,000	0	
	Mike Daigneault		Mouth	F	0	0	0	10,000	0	
			Bay	F	0	0	0	3,000	0	
Mallard Duck Creek, 271-102										
	08/05/2001		Stream	G	0	0	0	0	0	
	Mike Daigneault		Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	4,000	
Marshiniak Creek, 271-102A										
	08/05/2001		Stream	G	0	0	0	0	0	
	Mike Daigneault		Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	2,500	0	
Mallard Bay, 271-102B										
	08/05/2001		Stream	G	0	0	0	0	0	
	Mike Daigneault		Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	

-Continued-

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Mud Bay, 271-102C	08/05/2001	Mike Daigneault	Stream	G	0	3,000	0	200	0	
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Alfred Creek, 271-104	08/05/2001	Mike Daigneault	Stream	G	0	0	0	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Frank Creek, 271-105	08/05/2001	Mike Daigneault	Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Through Creek, 271-106	08/05/2001	Mike Daigneault	Stream	G	0	0	0	0	0	
			Mouth	F	0	0	0	20	0	
			Bay	F	0	0	0	0	0	
Jack Creek, 272-100	08/05/2001	Mike Daigneault	Stream	G	0	0	0	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	500	0	
Chignik Bay, 272-201	08/05/2001	Mike Daigneault	Stream	G	0	0	0	2,500	0	
			Mouth	F	0	0	0	500	0	
			Bay	F	0	0	0	0	0	
Chignik Bay, 272-202A	08/05/2001	Mike Daigneault	Stream	G	0	0	0	200	0	
			Mouth	F	0	0	0	800	0	
			Bay	F	0	0	0	0	0	
Neketa Creek, 272-202B	08/05/2001	Mike Daigneault	Stream	G	0	0	0	100	0	
			Mouth	F	0	0	0	300	0	
			Bay	F	0	0	0	0	0	

-Continued-

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Thompson Creek, 272-204										
	08/05/2001		Stream	G	0	0	0	5,000	0	
		Mike Daigneault	Mouth	F	0	0	0	2,000	0	
			Bay	F	0	0	0	0	0	
Mckinsey Creek, 272-205										
	08/05/2001		Stream							NO STREAM SURVEY.
		Mike Daigneault	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Dry Creek, 272-206										
	08/05/2001		Stream							NO STREAM SURVEY.
		Mike Daigneault	Mouth	F	0	0	0	500	0	
			Bay	F	0	0	0	0	0	
Hook Creek, 272-302										
	08/05/2001		Stream	G	0	0	0	35,000	0	
		Mike Daigneault	Mouth	F	0	0	0	1,000	0	
			Bay	F	0	0	0	0	0	
	09/06/2001		Stream	P	0	0	3,000	50,000	0	
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Kumlium Creek, 272-501										
	07/16/2001		Stream	E	0	0	0	500	0	
		George Pappas	Mouth	E	0	0	0	100	0	
			Bay	G	0	0	0	6,000	0	
	08/05/2001		Stream	G	0	0	0	150,000		
		Mike Daigneault	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	10,000	0	
272-502, 272-502										
	08/05/2001		Stream	G	0	0	0	5,000	0	
		Mike Daigneault	Mouth	F	0	0	0	200	0	
			Bay	F	0	0	0	0	0	
272-502a, 272-502A										
	08/05/2001		Stream	G	0	0	0	500	0	
		Mike Daigneault	Mouth	F	0	0	0	1,000	0	
			Bay	F	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
No Name-cape Kumliun, 272-503										
	08/05/2001		Stream	G	0	0	0	0	0	
		Mike Daigneault	Mouth	F	0	0	0	200	0	
			Bay	F	0	0	0	0	0	
Kujulik Bay, 272-504										
	07/30/2001		Stream	F	0	0	0	0	0	
		George Pappas	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Bear Creek, 272-505										
	07/30/2001		Stream	G	0	0	0	0	22,000	BEAR FISHING IN SALTWATER.
		George Pappas	Mouth	G	0	0	0	0	1,000	
			Bay	G	0	0	0	3,000	1,000	
Packer's Creek, 272-506										
	07/30/2001		Stream	G	0	0	0	4,000	100	
		George Pappas	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	3,000	0	
Kujulik Bay, 272-507										
	07/30/2001		Stream	G	0	0	0	9,000	1,900	
		George Pappas	Mouth	G	0	0	0	500	0	
			Bay	G	0	0	0	3,000	0	
Kujulik Bay, 272-508										
	07/30/2001		Stream	G	0	0	0	3,000	1,000	
		George Pappas	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	1,000	
Rudy's Creek, 272-509										
	07/30/2001		Stream	G	0	0	0	5,000	300	
		George Pappas	Mouth	G	0	0	0	0	0	
			Bay	P	0	0	0	200	0	
272-510, 272-510										
	07/30/2001		Stream	G	0	0	0	3,500	0	
		George Pappas	Mouth	G	0	0	0	0	0	
			Bay	P	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Kujulik Bay, 272-511A										
	07/30/2001		Stream	G	0	0	0	6,000	0	
		George Pappas	Mouth	G	0	0	0	100	0	
			Bay	P	0	0	0	0	0	
	09/06/2001		Stream	P	0	0	0	8,000	0	RAINED OUT. 4,000 PINK MORTS.
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Kujulik Bay, 272-511B										
	09/06/2001		Stream	P	0	0	0	0	0	
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Kujulik Bay, 272-512										
	06/16/2001		Stream							
		Mike Daigneault	Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
	07/30/2001		Stream	G	0	0	0	0	10	
		George Pappas	Mouth	G	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	09/06/2001		Stream	P	0	0	0	0	0	BAD LIGHTING.
		George Pappas	Mouth	P	0	0	0	100	0	
			Bay	P	0	0	0	0	0	
North Fork River, 272-514										
	07/08/2001		Stream	E	0	0	0	0	0	
		George Pappas	Mouth	E	0	0	0	0	0	
			Bay	G	0	0	0	0	1,000	
	07/30/2001		Stream	G	0	0	0	20,000	1,400	
		George Pappas	Mouth	F	0	0	0	5,000	0	
			Bay	P	0	0	0	1,000	0	
	09/06/2001		Stream	F	0	0	2,000	14,000	2,000	5,000 MIXED MORTS.
		George Pappas	Mouth	P	0	0	0	1,000	0	
			Bay	P	0	0	0	0	0	
	09/14/2001		Stream	G	0	0	1,200	0	0	
		George Pappas	Mouth	G	0	0	300	0	0	
			Bay	P	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum		
New Creek, 272-516											
07/08/2001			Stream								LOW WATER AND NO WATER.
George Pappas			Mouth	G	0	0	0	0	0		
			Bay	G	0	0	0	0	100		
07/30/2001			Stream	G	0	0	0	19,000	100		
George Pappas			Mouth	G	0	0	0	0	0		
			Bay	F	0	0	0	0	0		
09/06/2001			Stream	F	0	0	1,000	8,000	0		6,000 DEAD CHUMS.
George Pappas			Mouth	F	0	0	0	0	0		
			Bay	F	0	0	0	0	0		
Wolverine Creek, 272-602											
07/08/2001			Stream	G	0	0	0	0	3,000		
George Pappas			Mouth	G	0	0	0	0	1,000		
			Bay	G	0	0	0	0	1,000		
07/16/2001			Stream	E	0	0	0	0	0		
George Pappas			Mouth	G	0	0	0	0	0		
			Bay	F	0	0	0	0	0		
07/30/2001			Stream	G	0	0	0	0	300		SHARED OUTSIDE FISH WITH STREAM 272-603.
George Pappas			Mouth	F	0	0	0	7,000	2,000		
			Bay	P	0	0	0	0	0		
09/06/2001			Stream	F	0	0	0	23,000	0		18,000 PINK MORTS.
George Pappas			Mouth	F	0	0	0	100	0		
			Bay	F	0	0	1,000	0	0		
Village Creek, 272-603											
07/08/2001			Stream	G	0	0	0	0	1,000		
George Pappas			Mouth	G	0	0	0	0	1,000		
			Bay	G	0	0	0	0	1,000		
07/16/2001			Stream	E	0	0	0	0	0		
George Pappas			Mouth	E	0	0	0	0	0		
			Bay	F	0	0	0	500	100		
07/30/2001			Stream	G	0	0	0	0	0		SHARED OUTSIDE FISH WITH STREAM 272-602.
George Pappas			Mouth	F	0	0	0	7,000	2,000		
			Bay	P	0	0	0	0	0		

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Black Creek, 272-604										
	07/08/2001		Stream	G	0	0	0	0	3,000	
		George Pappas	Mouth	G	0	0	0	0	1,000	
			Bay	G	0	0	0	0	1,000	
	07/16/2001		Stream	G	0	0	0	0	0	
		George Pappas	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	500	100	
	07/30/2001		Stream	G	0	0	0	0	800	
		George Pappas	Mouth	F	0	0	0	7,000	2,000	FLEW CREEK, WHERE DID THE FISH GO - BACKOUT?
			Bay	P	0	0	0	0	0	
	09/06/2001		Stream	P	0	0	200	0	1,000	
		George Pappas	Mouth	P	0	0	8,000	0	0	LOTS OF COHO MOVEMENT, BAD LIGHTING.
			Bay	P	0	0	0	0	0	
	09/14/2001		Stream	G	0	0	40	0	0	
		George Pappas	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Aniakchak River, 272-605										
	07/08/2001		Stream	G	0	0	0	0	500	
		George Pappas	Mouth	G	0	0	0	0	2,000	ONLY SURVEYED 1/2 MILE UP FROM MOUTH.
			Bay	F	0	0	0	0	30,000	
	07/16/2001		Stream	F	0	0	0	0	2,000	
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	07/24/2001		Stream	G	0	0	0	10,000	19,000	ONLY FLEW 10 MILES OF RIVER FLOWN FROM SALTWATER.
		George Pappas	Mouth	P						
			Bay	P						
	07/30/2001		Stream	F	0	14,700	0	41,000	46,000	
		George Pappas	Mouth	F	0	0	0	0	0	NO VISIBILITY IN SALTWATER.
			Bay	P	0	0	0	0	0	
	09/06/2001		Stream	G	0	0	12,000	10,000	2,000	
		George Pappas	Mouth	F	0	0	1,000	0	0	BOTTOM 5 MILES OF RIVER ONLY.
			Bay	F	0	0	0	0	0	

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Appendix C1. (page 9 of 35)

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
George Pappas	09/14/2001		Stream	G	0	0	10,180	0	0	
			Mouth	F	0	0	100	0	0	
			Bay	P	0	0	0	0	0	
Fred Gungus, 272-606										
George Pappas	07/08/2001		Stream	E						LOW, LOW, LOW.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	400	
George Pappas	07/16/2001		Stream	E	0	0	0	0	200	
			Mouth	E	0	0	0	0	0	
			Bay	G	0	0	0	0	1,000	
George Pappas	07/24/2001		Stream	E	0	0	0	50	0	BEARS FIGHTING AT MOUTH.
			Mouth	E	0	0	0	0	0	
			Bay	G	0	0	0	500	0	
Mike Daigneault	08/07/2001		Stream	F	0	0	0	4,500	3,000	GETTING SHADOWS.
			Mouth	G	0	0	0	2,000	500	
			Bay							
George Pappas	09/06/2001		Stream	F	0	0	0	5,000	0	BIG BULL OBSERVED, RAINING.
			Mouth	F	0	0	20	0	0	
			Bay	F	0	0	0	0	0	
West Creek, 272-701										
George Pappas	07/08/2001		Stream							STREAM DRY.
			Mouth	G	0	0	0	1,000	500	
			Bay	F	0	0	0	1,000	500	
George Pappas	07/16/2001		Stream	E	0	0	0	0	0	
			Mouth	G	0	0	0	2,000	0	
			Bay	F	0	0	0	0	0	
George Pappas	07/24/2001		Stream	G	0	0	0	5,000	5,000	
			Mouth	F	0	0	0	1,000	100	
			Bay	P	0	0	0	2,000	1,000	
George Pappas	07/24/2001		Stream	G	0	0	0	5,000	5,000	
			Mouth	F	0	0	0	1,000	100	
			Bay	P	0	0	0	2,000	1,000	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
George Pappas	07/30/2001		Stream	G	0	1,400	0	94,000	16,600	WHOLE LOTA FISH.
			Mouth	G	0	0	0	10,000	9,000	
			Bay	P	0	0	0	0	0	
Mike Daigneault	08/07/2001		Stream	G	0	0	0	0	1,500	
			Mouth	G	0	0	0	3,000	0	
			Bay							
George Pappas	09/06/2001		Stream	G	0	0	0	14,000	0	TOO LATE, 7,000 PINK MORTS.
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	09/14/2001		Stream	G	0	0	25,000	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Main Creek, 272-702 George Pappas	07/08/2001		Stream	G	0	0	0	0	3,000	
			Mouth	G	0	0	0	5,000	1,000	
			Bay	G	0	0	0	1,000	0	
George Pappas	07/16/2001		Stream	G	0	0	0	2,000	1,000	
			Mouth	G	2	0	0	100	500	
			Bay	G	0	0	0	0	1,000	
George Pappas	07/24/2001		Stream							
			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	2,000	1,000	
George Pappas	07/24/2001		Stream	G	0	0	0	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	2,000	1,000	
George Pappas	07/30/2001		Stream	G	0	0	0	0	0	DRY AND POOR VISIBILITY.
			Mouth	G	0	0	0	10,000	10,000	
			Bay	P	0	0	0	0	0	
Mike Daigneault	08/07/2001		Stream	G	0	750	0	12,000	8,000	PINKS IN LOWER RIVER, CHUM IN UPPER RIVER.
			Mouth	G	0	0	0	5,000	0	
			Bay							

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
09/06/2001 George Pappas	Stream	G	0	0	8,000	10,000	0	MOST SILVERS WITHIN 2 MILES OF SALTWATER. WOLF OBSERVED.		
	Mouth	G	0	0	0	0	0			
	Bay	F	0	0	0	0	0			
Northeast Creek, 272-703 07/08/2001 George Pappas	Stream	G	0	0	0	1,000	1,000			
	Mouth	G	0	0	0	1,000	0			
	Bay	G	0	0	0	0	0			
07/16/2001 George Pappas	Stream	G	0	0	0	0	300			
	Mouth	F	0	0	0	0	300			
	Bay	P	0	0	0	0	0			
07/24/2001 George Pappas	Stream	F	0	0	0	15,000	2,000	50 SEA OTTERS ON EAST SIDE OF BAY.		
	Mouth	G	0	0	0	0	10			
	Bay	F	0	0	0	0	1,000			
07/30/2001 George Pappas	Stream	G	0	0	0	55,000	3,900			
	Mouth	G	0	0	0	0	0			
	Bay	F	0	0	0	0	0			
08/07/2001 Mike Daigneault	Stream	G	0	0	0	2,000	10,500			
	Mouth	G	0	0	0	5,000	10,000			
	Bay									
09/06/2001 George Pappas	Stream	G	0	0	1,000	2,900	0	1,000 PINK MORTS.		
	Mouth	F	0	0	0	0	0			
	Bay	F	0	0	0	0	0			
Cape Kunmik, 272-704 07/08/2001 George Pappas	Stream	G	0	0	0	0	5			
	Mouth	G	0	0	0	0	0			
	Bay	G	0	0	0	0	0			
07/16/2001 George Pappas	Stream	G	0	0	0	0	0			
	Mouth	G	0	0	0	0	0			
	Bay	P	0	0	0	0	0			
08/07/2001 Mike Daigneault	Stream							BLOCKED, NOT SURVEYED.		
	Mouth									
	Bay									

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
George Pappas	09/06/2001		Stream	P	0	0	0	3,000	0	2,000 MORTS, SURVEY MAP MISLABLED.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Yantarni Bay, 272-720										
George Pappas	07/08/2001		Stream	G	0	0	0	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	07/16/2001		Stream	E	0	0	0	0	0	
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	07/24/2001		Stream	P	0	0	0	0	0	SAME FISH AS 272-721.
			Mouth	P	0	0	0	0	4,000	
			Bay	P	0	0	0	0	0	
Mike Daigneault	08/07/2001		Stream	G	0	0	0	100	50	
			Mouth	G	0	0	0	0	100	
			Bay							
George Pappas	09/06/2001		Stream	G	0	0	0	300	0	YOUNG BULL OBSERVED.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Yantarni Creek, 272-721										
George Pappas	07/08/2001		Stream	G	0	0	0	0	5	
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	07/16/2001		Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	07/24/2001		Stream	P	0	0	0	0	0	VERY MURKY, POOR RESULTS.
			Mouth	P	0	0	0	0	4,000	
			Bay	P	0	0	0	0	0	
George Pappas	07/30/2001		Stream	E	0	0	0	2,000	8,300	
			Mouth	G	0	0	0	0	100	
			Bay	F	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/07/2001 Mike Daigneault	Stream	G	0	0	0	700	7,000			
	Mouth	G	0	0	0	0	7,500			
	Bay									
09/06/2001 George Pappas	Stream	G	0	0	6,000	18,000	1,000		1,000 CHUM MORTS.	
	Mouth	F	0	0	0	0	0			
	Bay	P	0	0	0	0	0			
Ocean Beach, 272-801 07/08/2001 George Pappas	Stream	G	0	0	0	0	0			
	Mouth	G	0	0	0	1,000	0			
	Bay	F	0	0	0	0	0			
07/16/2001 George Pappas	Stream	E	0	0	0	200	0		LEFT HALF DRIED UP.	
	Mouth	G	0	0	0	0	0			
	Bay	F	0	0	0	0	0			
07/24/2001 George Pappas	Stream	E	0	0	0	0	10			
	Mouth	E	0	0	0	0	5			
	Bay	F	0	0	0	0	700			
07/30/2001 George Pappas	Stream	E	0	0	0	9,000	600			
	Mouth	G	0	0	0	1,000	100			
	Bay	F	0	0	0	4,000	2,000			
08/07/2001 Mike Daigneault	Stream	G	0	0	0	2,000	2,000			
	Mouth	G	0	0	0	0	7,000			
	Bay									
09/06/2001 George Pappas	Stream	G	0	0	1,000	26,000	0		1,000 PINK MORTS.	
	Mouth	G	0	0	0	0	0			
	Bay	G	0	0	0	0	0			
09/14/2001 George Pappas	Stream	G	0	0	900	0	0			
	Mouth	F	0	0	100	0	0			
	Bay	P	0	0	0	0	0			
Ocean Beach (north), 272-802 07/08/2001 George Pappas	Stream	G	0	0	0	0	0		NONE.	
	Mouth	F	0	0	0	0	0			
	Bay	F	0	0	0	0	0			

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
George Pappas	07/16/2001		Stream	F	0	0	0	0	0	
			Mouth	F	0	0	0	0	100	
			Bay	F	0	0	0	0	0	
George Pappas	07/24/2001		Stream	G	0	0	0	0	100	
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	1,000	
George Pappas	07/30/2001		Stream	E	0	0	0	100	800	200-245 CHUM MORTS.
			Mouth	G	0	0	0	0	25	
			Bay	F	0	0	0	0	4,000	
Mike Daigneault	08/07/2001		Stream	G	0	0	0	2,500	700	
			Mouth	G	0	0	0	0	0	
			Bay							
George Pappas	09/06/2001		Stream	G	0	0	75	9,000	7,000	1,000 CHUM MORTS.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	15	0	10	
George Pappas	09/14/2001		Stream	G	0	0	700	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
George Pappas	07/08/2001		Stream	G	0	0	0	0	1,000	
			Mouth	G	0	0	0	0	1,000	
			Bay	F	0	0	0	0	1,000	
George Pappas	07/16/2001		Stream	G	0	0	0	0	1,000	
			Mouth	G	0	0	0	0	1,000	
			Bay	G	0	0	0	0	0	
George Pappas	07/24/2001		Stream							
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	07/30/2001		Stream	E	0	0	0	0	0	
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/07/2001 Mike Daigneault	Stream	G	0	0	0	0	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay									
09/06/2001 George Pappas	Stream	G	0	0	0	100	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay	G	0	0	0	0	0	0		
Nakalilok River, 272-804 07/08/2001 George Pappas	Stream	G	0	0	0	0	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay	F	0	0	0	0	0	0		
07/16/2001 George Pappas	Stream									
	Mouth	F	0	0	0	0	0	1,000		
	Bay	P	0	0	0	0	0	15,000		
07/24/2001 George Pappas	Stream									
	Mouth	F	0	0	0	0	0	100		
	Bay	F	0	0	0	0	0	1,000		
07/30/2001 George Pappas	Stream	E	0	0	0	0	0	5,000	SPORTFISHERMEN OUT IN FORCE, 2 COMMERCIAL BOATS WITH HUGE SETS.	
	Mouth	G	0	0	0	0	0	7,000		
	Bay	G	0	0	0	0	0	18,000		
08/07/2001 Mike Daigneault	Stream	G	0	0	0	300	9,000			
	Mouth	G	0	0	0	0	10,000			
	Bay									
09/06/2001 George Pappas	Stream	G	0	5	0	37,000	10,000		3,000 PINK MORTS AND 3,000 CHUM MORTS.	
	Mouth	G	0	0	0	0	100			
	Bay	F	0	0	0	0	0			
Nakalilok Bay(north), 272-805 07/08/2001 George Pappas	Stream	G	0	0	0	0	0		LOW.	
	Mouth	G	0	0	0	0	0			
	Bay	F	0	0	0	0	0			
07/16/2001 George Pappas	Stream									
	Mouth	E	0	0	0	0	0			
	Bay	G	0	0	0	0	0			

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
07/24/2001 George Pappas			Stream							60-70 SALMON SHARKS IN NE PART OF BAY.
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	1,000	
07/30/2001 George Pappas			Stream							DID NOT FLY STREAM. 60-70 SHARKS.
			Mouth	E	0	0	0	1,000	0	
			Bay	E	0	0	0	0	0	
08/07/2001 Mike Daigneault			Stream	G	0	0	0	200	0	
			Mouth	G	0	0	0	5,000	0	
			Bay							
09/06/2001 George Pappas			Stream	G	0	0	0	11,000	0	1,000 PINK MORTS.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
272-900, 272-900										
07/08/2001 George Pappas			Stream	F	0	0	0	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
07/16/2001 George Pappas			Stream							
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	100	0	
07/30/2001 George Pappas			Stream							
			Mouth	F	0	0	0	0	0	
			Bay	G	0	0	0	40,000	0	
08/07/2001 Mike Daigneault			Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	50,000	1,000	
			Bay	G	0	0	0	20,000	0	
09/06/2001 George Pappas			Stream	E	0	0	0	22,000	0	RUN PEAKED MUCH EARLIER, 21,000 PINK MORTS OF WHICH 5 WERE IN SALTWATER.
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
Cape Kuyuyukak, 272-901										
07/08/2001 George Pappas			Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	0	5	
			Bay	F	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
George Pappas	07/16/2001		Stream	E	0	0	0	0	0	
			Mouth	G	0	0	0	0	200	
			Bay	F	0	0	0	0	0	
George Pappas	07/24/2001		Stream							
			Mouth	E	0	0	0	0	0	
			Bay	G	0	0	0	8,000	0	
Mike Daigneault	08/07/2001		Stream	G	0	0	0	2,000	0	
			Mouth	G	0	0	0	50,000	5,000	
			Bay							
George Pappas	09/06/2001		Stream	E	0	0	0	35,000	0	25,000 PINK MORTS.
			Mouth	G	0	0	0	1,000	0	
			Bay	G	0	0	150	1,000	0	
Cape Kuyuyukak, 272-902										
George Pappas	07/08/2001		Stream	F	0	0	0	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
George Pappas	07/16/2001		Stream	G	0	0	0	20	0	
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	07/24/2001		Stream							
			Mouth	E	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Mike Daigneault	08/07/2001		Stream	G	0	0	0	35,000	2,000	
			Mouth	G	0	0	0	15,000	3,000	
			Bay							
George Pappas	09/06/2001		Stream	E	0	0	0	41,000	0	10,000 PINK MORTS.
			Mouth	E	0	0	0	2,000	0	
			Bay	E	0	0	0	5,000	0	
Chiginagak River, 272-903										
George Pappas	07/08/2001		Stream	E	0	0	0	0	0	
			Mouth	E	0	0	0	0	0	
			Bay	F	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
07/16/2001			Stream							
George Pappas			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
07/24/2001			Stream	G	0	0	0	0	0	JUMPERS. WOLF AND BEARS FIGHTING OVER DEAD MOOSE.
George Pappas			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	2,000	0	
07/30/2001			Stream	E	0	0	0	0	0	TOO MUCH FOG TO THE EAST TO FLY ENTIRE AREA.
George Pappas			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	10,000	
08/07/2001			Stream	G	0	0	0	0	0	LITTLE WATER IN CREEK.
Mike Daigneault			Mouth	G	0	0	0	0	600	
			Bay							
09/06/2001			Stream	E	0	0	0	100	0	DRIED UP, ONLY 100 YARDS OF STREAM.
George Pappas			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
09/14/2001			Stream	P	0	0	0	0	0	TOO MURKY.
George Pappas			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Chiginagak River, 272-903A										
07/16/2001			Stream							
George Pappas			Mouth	P	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
07/24/2001			Stream	E	0	0	0	100	0	
George Pappas			Mouth	E	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
07/30/2001			Stream	E	0	0	0	0	6,000	
George Pappas			Mouth	G	0	0	0	0	1,000	
			Bay	G	0	0	0	5,000	10,000	
08/07/2001			Stream	G	0	0	0	2,500	5,500	
Mike Daigneault			Mouth	G	0	0	0	5,000	7,500	
			Bay							

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
George Pappas	09/06/2001		Stream	G	0	0	0	45,000	31,000	4,000 PINK MORTS, AND 18,000 CHUM MORTS.
			Mouth	G	0	0	0	1,000	50	
			Bay	G	0	0	0	0	0	
Chiginagak Bay, 272-903B										
George Pappas	07/16/2001		Stream							
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	07/24/2001		Stream	G	0	0	0	0	400	
			Mouth	G	0	0	0	0	20	
			Bay	F	0	0	0	0	0	
George Pappas	07/30/2001		Stream	E	0	0	0	0	0	BEACH FULL OF CHUM, 30,000 CHUM IN SALTWATER BETWEEN 3 E. ROCKS.
			Mouth	G	0	0	0	0	1,000	
			Bay	G	0	0	0	0	10,000	
Mike Daigneault	08/07/2001		Stream	G	0	0	0	0	400	
			Mouth	G	0	0	0	0	0	
			Bay							
George Pappas	09/06/2001		Stream	G	0	0	0	27,000	5,000	2,000 PINK MORTS.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
George Pappas	09/14/2001		Stream	F	0	0	500	0	0	
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Chiginagak Bay, 272-904										
George Pappas	07/16/2001		Stream	E	0	0	0	0	0	
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Mike Daigneault	08/07/2001		Stream	G	0	0	0	6,500	7,000	
			Mouth	G	0	0	0	20,000	15,000	
			Bay							
George Pappas	09/06/2001		Stream	G	0	0	0	29,000	0	HAD TO GO BACK, MESSED UP COUNT.
			Mouth	G	0	0	0	1,000	0	
			Bay	G	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Chiginagak Bay, 272-905										
	07/16/2001	George Pappas	Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	100	0	
			Bay	F	0	0	0	300	0	
	08/07/2001	Mike Daigneault	Stream							MOUTH BLOCKED.
			Mouth	G	0	0	0	5,000	0	
			Bay							
	09/06/2001	George Pappas	Stream	G	0	0	0	52,000	0	14,000 PINK MORTS.
			Mouth	G	0	0	0	3,000	0	
			Bay	G	0	0	0	13,000	0	
Chiginagak Bay, 272-906										
	07/16/2001	George Pappas	Stream	F	0	0	0	0	0	
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	50	0	
	07/30/2001	George Pappas	Stream							
			Mouth							
			Bay	F	0	0	0	0	9,000	
	08/07/2001	Mike Daigneault	Stream	G	0	0	0	0	3,000	
			Mouth	G	0	0	0	5,000	10,000	
			Bay							
Chiginagak Bay, 272-907										
	07/08/2001	George Pappas	Stream							BLOCKED.
			Mouth							
			Bay							
	07/16/2001	George Pappas	Stream	E	0	0	0	0	0	
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
	08/07/2001	Mike Daigneault	Stream							MOUTH BLOCKED.
			Mouth	G	0	0	0	10,000	0	
			Bay							
	09/06/2001	George Pappas	Stream	G	0	0	0	5,000	0	1,000 MORTS.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Port Wrangell Bay, 272-921										
	07/08/2001	George Pappas	Stream Mouth Bay							TOO WINDY, BYPASSED.
	07/16/2001	George Pappas	Stream Mouth Bay	P P P	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	TOO MURKY FOR MOUTH SURVEY.
	08/07/2001	Mike Daigneault	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	0 0 0	3,000 500 200	
	09/06/2001	George Pappas	Stream Mouth Bay	F F P	0 0 0	2,100 0 0	0 0 0	20,000 0 0	2,500 0 0	RIGHT LAKE 100 REDS, MOUTH DRY, GRASSLANDS HAD 2,000 CHUM AND 2,000 REDS, ALSO 500 CHUM MORTS.
Port Wrangell Bay, 272-922										
	07/08/2001	George Pappas	Stream Mouth Bay							TOO GUSTY, BYPASSED.
	07/16/2001	George Pappas	Stream Mouth Bay							BLOCKED.
	08/07/2001	Mike Daigneault	Stream Mouth Bay							BLOCKED.
	09/06/2001	George Pappas	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	2,000 0 0	0 0 0	1,000 PINK MORTS IN CREEK AND LAGOON, MOUTH OF CREEK BLOCKED.
Cape Providence, 272-923										
	07/08/2001	George Pappas	Stream Mouth Bay	F F F	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	
	07/16/2001	George Pappas	Stream Mouth Bay	P G F	0 0 0	0 0 0	0 0 0	0 40 20	0 0 0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/07/2001 Mike Daigneault	Stream	G	0	0	0	0	500			
	Mouth Bay	F	0	0	0	0	4,000			
09/06/2001 George Pappas	Stream	G	0	0	0	3,000	0	2,000 PINK MORTS.		
	Mouth	G	0	0	0	500	0			
	Bay	G	0	0	0	1,000	0			
Agripina Lake, 272-961A										
07/08/2001 George Pappas	Stream	G					0			
	Mouth	G					0			
	Bay	F					0			
07/16/2001 George Pappas	Stream	F	0	0	0	0	10	1/2 MILE OF STREAM, NOT MUCH.		
	Mouth	F	0	0	0	0	0			
	Bay	F	0	0	0	0	0			
08/07/2001 Mike Daigneault	Stream	G	0	0	0	1,000	5,000			
	Mouth	G	0	0	0	0	15,000			
	Bay	G	0	0	0	0	10,000			
09/06/2001 George Pappas	Stream	G	0	0	0	174,000	0	LOTS OF FISH. 24,000 PINK MORTS. 85% OF FISH ARE WITHIN 2 MILES OF SALTWATER. THE RIVER IS DRY.		
	Mouth	G	0	0	0	10,000	0			
	Bay	G	0	0	1,000	10,000	0			
09/14/2001 George Pappas	Stream	P	0	0	3,000	0	0			
	Mouth	P	0	0	0	0	0			
	Bay	P	0	0	0	0	0			
Agripina Slough, 272-961B										
07/16/2001 George Pappas	Stream	E	0	2,000	0	500	0			
	Mouth	E	0	0	0	500	0			
	Bay	G	0	0	0	200	0			
08/07/2001 Mike Daigneault	Stream							500 IN LAKE.		
	Mouth Bay	G	0	0	0	0	1,500			
09/06/2001 George Pappas	Stream	G	0	1,000	0	19,000	0			
	Mouth	G	0	0	0	100	0			
	Bay	G	0	0	0	0	0			

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum		
Glacier Creek, 272-962											
	07/08/2001		Stream	P							POOR VISIBILITY.
	George Pappas		Mouth	P							
			Bay	P							
	07/16/2001		Stream								
	George Pappas		Mouth	F	0	0	0	0	200		
			Bay	F	0	0	0	0	1,000		
	08/07/2001		Stream	F	0	0	0	0	0		
	Mike Daigneault		Mouth	G	0	0	0	0	15,000		
			Bay	G	0	0	0	0	0		
	09/06/2001		Stream	F	0	700	0	43,000	0		LEFT SIDE OF LAKE HAD 100 SOCKEYE, RIGHT SIDE HAD 500 SOCKEYE AND 100 PINKS. 12,000 PINK MORTS.
	George Pappas		Mouth	F	0	0	0	0	0		
			Bay	F	0	0	0	0	0		
Glacier Creek, 272-962A											
	07/08/2001		Stream								DRY.
	George Pappas		Mouth								
			Bay								
	07/16/2001		Stream	G	0	0	0	0	0		963 BLOCKED.
	George Pappas		Mouth	G	0	0	0	0	0		
			Bay	F	0	0	0	0	0		
	09/06/2001		Stream	G	0	0	2,000	14,000	0		4,000 PINK MORTS.
	George Pappas		Mouth	G	0	0	0	0	0		
			Bay	G	0	0	0	0	0		
Kilokak Creek, 272-963											
	07/08/2001		Stream								BLOCKED.
	George Pappas		Mouth								
			Bay								
	08/07/2001		Stream								STREAM BLOCKED.
	Mike Daigneault		Mouth	G	0	0	0	6,000	0		
			Bay	G	0	0	0	0	0		
	09/06/2001		Stream	G	0	0	0	29,000	0		MOUTH OF CREEK OPEN NOW. NO MORTS.
	George Pappas		Mouth	F	0	0	0	1,000	0		
			Bay	F	0	0	500	0	0		

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Red Bluff Creek, 273-702										
	07/07/2001		Stream	G	0	0	0	15,000	0	WINDY, GREAT STREAM CONDITIONS.
	George Pappas		Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	1,000	0	
	07/12/2001		Stream	G	0	0	0	4,000	500	NO FISH IN TRIB., ONLY IN 1 MILE UP TO RIGHT SIDE TRIB.
	George Pappas		Mouth	G	0	0	0	0	100	
			Bay	F	0	0	0	0	0	
	07/22/2001		Stream	F	0	0	0	4,000	500	
	George Pappas		Mouth	F	0	0	0	0	1,000	
			Bay	P	0	0	0	0	0	
	07/31/2001		Stream	G	0	0	0	5,200	800	BIG MOOSE.
	George Pappas		Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	2,000	0	
	08/13/2001		Stream	E	0	0	0	19,000	300	BEST CONDITIONS EVER.
	George Pappas		Mouth	E	0	0	0	0	0	
			Bay	F	0	0	0	500	0	
	09/14/2001		Stream	F	0	0	3,500	2,000	0	
	George Pappas		Mouth	F	0	0	100	0	0	
			Bay	P	0	0	0	0	0	
Mitrofanina Bay, 273-720										
	07/12/2001		Stream	P	0	0	0	0	0	TOO MURKY.
	George Pappas		Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	07/22/2001		Stream							MUD.
	George Pappas		Mouth							
			Bay							
	07/31/2001		Stream	P	0	0	0	0	362	MUDDY, FEW FISH IN CLEAR TRIB.
	George Pappas		Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/13/2001		Stream	F	0	5	0	1,080	0	MURKY. 5 REDS UPPER EAST TRIB.
	George Pappas		Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Ivan River, 273-722										
	06/16/2001		Stream							
		Mike Daigneault	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	07/07/2001		Stream	G	0	0	0	4,000	0	GREAT STREAM CONDITIONS, TOO WINDY TURNING BACK.
		George Pappas	Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
	07/12/2001		Stream	G	0	0	0	900	300	
		George Pappas	Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
	07/22/2001		Stream	P	0	0	0	0	300	TOO MURKY, BOTTOM HALF POOR VISIBILITY, TOP HALF FAIRLY GOOD VISIBILITY.
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	1,000	
	07/31/2001		Stream	F	0	0	0	19,000	0	ONLY 1/2 SURVEYED, TURNED AROUND DUE TO WEATHER.
		George Pappas	Mouth	F	0	0	0	10,000	0	
			Bay	F	0	0	0	0	0	
	08/13/2001		Stream	E	0	100	0	71,000	300	
		George Pappas	Mouth	E	0	0	0	3,000	0	
			Bay	G	0	0	0	2,000	0	
	09/14/2001		Stream	G	0	0	3,000	10,000	0	
		George Pappas	Mouth	F	0	0	300	0	0	
			Bay	F	0	0	0	0	0	
Fishrack Bay, 273-723										
	06/16/2001		Stream							
		Mike Daigneault	Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
	07/12/2001		Stream	G	0	0	0	0	0	
		George Pappas	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	07/22/2001		Stream	G	0	0	0	0	0	
		George Pappas	Mouth	G	0	0	0	0	1,000	
			Bay	G	0	0	0	0	1,000	

-Continued-

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	07/31/2001		Stream	E	0	0	0	0	0	
	George Pappas		Mouth	E	0	0	0	100	0	
			Bay	G	0	0	0	3,000	0	
	08/13/2001		Stream	E	0	0	0	500	0	
	George Pappas		Mouth	E	0	0	0	500	0	
			Bay	E	0	0	0	4,500	0	
Foot Creek, 273-802										
	06/16/2001		Stream							
	Mike Daigneault		Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
	07/12/2001		Stream							
	George Pappas		Mouth	E	0	0	0	0	100	
			Bay	G	0	0	0	0	500	
	07/22/2001		Stream	G	0	0	0	20	0	
	George Pappas		Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/13/2001		Stream	E	0	0	0	5,000	0	
	George Pappas		Mouth	E	0	0	0	1,000	0	
			Bay	E	0	0	0	8,000	0	
Windy Creek, 273-821										
	06/16/2001		Stream							
	Mike Daigneault		Mouth	E	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	07/12/2001		Stream	E	0	0	0	0	0	
	George Pappas		Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	LOW.
	07/22/2001		Stream	G	0	0	0	0	0	
	George Pappas		Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	100	
	07/31/2001		Stream	G	0	0	0	200	0	
	George Pappas		Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	2,000	0	

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Appendix C1. (page 27 of 35)

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
George Pappas	08/13/2001		Stream	E	0	0	0	0	0	
			Mouth	E	0	0	0	300	0	
			Bay	G	0	0	0	2,000	0	
George Pappas	08/13/2001		Stream	E	0	0	0	200	0	
			Mouth	E	0	0	0	100	0	
			Bay	G	0	0	0	1,500	0	
273-822, 273-822										
George Pappas	07/12/2001		Stream	E	0	0	0	0	0	NOTHING.
			Mouth	E	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
George Pappas	07/22/2001		Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	0	2,500	
			Bay	F	0	0	0	0	0	
Spoon Creek, 273-823										
George Pappas	07/12/2001		Stream	E	0	0	0	0	0	CREEK VERY LOW.
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
George Pappas	07/22/2001		Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	100	
George Pappas	08/13/2001		Stream	E	0	0	0	1,400	300	800 DEAD CHUM.
			Mouth	E	0	0	0	50	0	
			Bay	G	0	0	0	800	0	
Portage Creek, 273-842										
Mike Daigneault	06/16/2001		Stream							
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
George Pappas	07/12/2001		Stream							
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	2,000	
George Pappas	07/22/2001		Stream	E	0	0	0	0	600	
			Mouth	G	0	0	0	0	4,000	
			Bay	G	0	0	0	0	4,000	

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Appendix C1. (page 28 of 35)

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
George Pappas	07/31/2001		Stream	E	0	0	0	1,000	150	
			Mouth	G	0	0	0	100	0	
			Bay	G	0	0	0	2,000	100	
George Pappas	08/13/2001		Stream	E	0	0	0	11,000	500	
			Mouth	E	0	0	0	600	0	
			Bay	E	0	0	0	22,000	2	
Seal Bay, 273-843										
George Pappas	07/12/2001		Stream	E	0	0	0	0	0	
			Mouth	E	0	0	0	0	0	
			Bay	G	0	0	0	0	500	
George Pappas	07/22/2001		Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	0	100	
			Bay	G	0	0	0	0	1,000	
George Pappas	07/31/2001		Stream	E	0	0	0	0	0	NO FISH IN FRESH WATER YET.
			Mouth	E	0	0	0	1,000	0	
			Bay	F	0	0	0	0	0	
George Pappas	08/13/2001		Stream	E	0	0	0	1,000	0	
			Mouth	E	0	0	0	2,000	0	
			Bay	E	0	0	0	500	0	
Seal Bay, 273-844										
George Pappas	07/12/2001		Stream							
			Mouth	E	0	0	0	0	0	
			Bay	G	0	0	0	0	500	
George Pappas	07/22/2001		Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
George Pappas	07/31/2001		Stream	E	0	0	0	0	0	
			Mouth	E	0	0	0	50	0	
			Bay	E	0	0	0	50	0	
George Pappas	08/13/2001		Stream	E	0	0	0	500	0	
			Mouth	E	0	0	0	3,000	0	
			Bay	E	0	0	0	1,500	0	

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Appendix C1. (page 29 of 35)

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Dog Bay, 273-845										
	07/12/2001	George Pappas	Stream	E	0	0	0	0	0	NOT A FISH.
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
07/22/2001										
		George Pappas	Stream	E	0	0	0	0	0	
			Mouth	G	0	0	0	0	200	
			Bay	G	0	0	0	0	0	
07/31/2001										
		George Pappas	Stream	F	0	0	0	0	0	
			Mouth	F	0	0	0	0	200	
			Bay	F	0	0	0	100	0	
08/13/2001										
		George Pappas	Stream	E	0	0	0	700	0	
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
Hag Creek, 275-400										
	07/22/2001	George Pappas	Stream							BLOCKED.
			Mouth							
			Bay							
07/22/2001										
		George Pappas	Stream							
			Mouth							
			Bay							
Kupreanof Peninsula, 275-401										
	07/22/2001	George Pappas	Stream	E	0	0	0	1,200	0	
			Mouth							
			Bay							
08/13/2001										
		George Pappas	Stream	G	0	0	0	12,000	0	
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	100	
Smokey Hollow Creek, 275-402										
	07/07/2001	George Pappas	Stream							
			Mouth							
			Bay	F	0	0	0	0	1,000	

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Appendix C1. (page 30 of 35)

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
07/07/2001			Stream							
George Pappas			Mouth							
			Bay	F	0	0	0	0	1,000	
07/22/2001			Stream	G	0	0	0	0	2,500	
George Pappas			Mouth	G	0	0	0	0	500	
			Bay	F	0	0	0	0	500	
07/31/2001			Stream	F	0	0	0	200	0	
George Pappas			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
08/13/2001			Stream	E	0	0	0	100	0	
George Pappas			Mouth	E	0	0	0	500	0	
			Bay	E	0	0	0	0	0	
09/14/2001			Stream	G	0	0	900	0	0	
George Pappas			Mouth	G	0	0	100	0	0	
			Bay	G	0	0	4,000	0	0	
Ivanof Bay, 275-403			Stream							
06/16/2001			Mouth	E	0	0	0	0	0	
Mike Daigneault			Bay	E	0	0	0	0	0	
Wasco's Creek, 275-404			Stream							
07/07/2001			Mouth							
George Pappas			Bay	F	0	0	0	0	1,000	
07/22/2001			Stream	G	0	0	0	0	10	
George Pappas			Mouth	F	0	0	0	0	100	
			Bay	P	0	0	0	0	0	
07/31/2001			Stream	F	0	0	0	0	200	
George Pappas			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
08/13/2001			Stream	E	0	0	0	4,000	2,000	OLD CHUMS.
George Pappas			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	3,000	0	

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Appendix C1. (page 31 of 35)

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
09/14/2001			Stream	G	0	0	800	0	0	
George Pappas			Mouth	G	0	0	100	0	0	
			Bay	F	0	0	0	0	0	
Sunnyside Creek, 275-405										
07/22/2001			Stream							DRY.
George Pappas			Mouth							
			Bay							
Ivanof River, 275-406										
07/07/2001			Stream	E	0	0	0	500	2,000	
George Pappas			Mouth	G	0	0	0	0	1,000	
			Bay	F	0	0	0	6,000	33,000	
07/12/2001			Stream	F	0	0	0	0	7,000	
George Pappas			Mouth	G	0	0	0	0	2,000	CHOP ON WATER, NOT GOOD SURVEY OF THE BAY.
			Bay	F	0	0	0	0	40,000	
07/22/2001			Stream	G	0	0	0	0	53,000	
George Pappas			Mouth	F	0	0	0	0	2,000	GREAT SURVEY, SAW IT ALL.
			Bay	P	0	0	0	0	0	
07/31/2001			Stream	E	0	0	0	1,000	34,000	
George Pappas			Mouth	G	0	0	0	0	0	COULD NOT SEE IN BAY SALTWATER CHOPPY, LOTS OF PINKS.
			Bay	P	0	0	0	6,000	1,000	
08/13/2001			Stream	E	0	0	0	32,000	0	
George Pappas			Mouth	E	0	0	0	18,000	0	
			Bay	E	0	0	0	10,000	0	
09/14/2001			Stream	G	0	0	3,000	0	20,000	
George Pappas			Mouth	G	0	0	1,000	0	0	10,000 PINK MORTS.
			Bay	F	0	0	0	0	0	
Wolverine Cove, 275-408										
07/22/2001			Stream	G	0	0	0	0	0	
George Pappas			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	

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Appendix C1. (page 32 of 35)

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Humpback Creek, 275-502										
	07/07/2001		Stream	E	0	0	0	0	0	
	George Pappas		Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	10	
		07/12/2001		Stream	E	0	0	0	0	5
	George Pappas		Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
		07/22/2001		Stream	G	0	0	0	2,000	0
	George Pappas		Mouth	F	0	0	0	0	1,500	
			Bay	F	0	0	0	6,000	0	
	07/31/2001		Stream	G	0	0	0	12,000	200	
	George Pappas		Mouth	G	0	0	0	500	0	
			Bay	P	0	0	0	0	0	
		08/13/2001		Stream	E	0	0	0	24,000	100
	George Pappas		Mouth	E	0	0	0	3,000	0	
			Bay	F	0	0	0	1,000	0	
		09/14/2001		Stream	F	0	0	2,500	0	0
	George Pappas		Mouth	F	0	0	1,000	0	0	
			Bay	P	0	0	200	0	0	
Humpback Bay, 275-503										
	07/12/2001		Stream							BLOCKED.
	George Pappas		Mouth							
			Bay							
		08/13/2001		Stream						
	George Pappas		Mouth							
			Bay							
		09/14/2001		Stream						
	George Pappas		Mouth							
			Bay							
Humpback Bay Creek, 275-504										
	07/07/2001		Stream	E	0	0	0	0	0	
	George Pappas		Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	10	

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Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
George Pappas	07/12/2001		Stream	G	0	0	0	0	0	LOW.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
George Pappas	07/22/2001		Stream	G	0	0	0	0	0	1,000 PINKS IN THE BAY.
			Mouth	F	0	0	0	0	500	
			Bay	F	0	0	0	1,000	0	
George Pappas	07/31/2001		Stream	G	0	0	0	0	0	
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	08/13/2001		Stream	E	0	0	0	200	0	
			Mouth	E	0	0	0	100	0	
			Bay	E	0	0	0	600	0	
George Pappas	09/14/2001		Stream	F	0	0	200	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Alexander Point, 275-505										
George Pappas	07/07/2001		Stream	E	0	0	0	0	6	
			Mouth	E	0	0	0	0	6	
			Bay	F	0	0	0	0	6	
George Pappas	07/12/2001		Stream	G	0	0	0	0	0	LOW.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
George Pappas	07/22/2001		Stream	G	0	0	0	0	0	
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
George Pappas	07/31/2001		Stream	E	0	0	0	50	0	
			Mouth	G	0	0	0	50	0	
			Bay	F	0	0	0	200	0	
George Pappas	08/13/2001		Stream	E	0	0	0	1,400	0	
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	3,000	0	

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Appendix C1. (page 34 of 35)

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
275-506, 275-506										
	07/22/2001		Stream	G	0	0	0	0	0	
		George Pappas	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Long Beach River, 275-600										
	07/07/2001		Stream	P	0	0	0	0	0	
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	07/12/2001		Stream	P	0	0	0	0	0	TOO MURKY.
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	07/22/2001		Stream							MUD.
		George Pappas	Mouth							
			Bay							
	07/31/2001		Stream	P	0	0	0	0	0	MUDDY.
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/13/2001		Stream	P	0	0	0	0	0	
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Kametolook River, 275-601										
	07/07/2001		Stream	P	0	0	0	0	0	LOW WATER.
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
	07/12/2001		Stream	F	0	0	0	0	0	TOO MURKY.
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	07/22/2001		Stream							MUD.
		George Pappas	Mouth							
			Bay							
	07/31/2001		Stream	P	0	0	0	100	200	MUDDY, ONLY FISH IN CLEAR TRIBS.
		George Pappas	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	

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Appendix C1. (page 35 of 35)

Stream	Date	Observer	Location	Visi- bility ^a	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/13/2001			Stream	P	0	0	0	50	110	
George Pappas			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
09/14/2001			Stream	F	0	0	75	0	0	IN CLEAR TRIBS. ONE MILE BELOW BOXES ON NE SIDE OF RIVER.
George Pappas			Mouth							
			Bay							

^a Visibility index: P = Poor, F = Fair, G = Good, E = Excellent.

**APPENDIX D: CHIGNIK MANAGEMENT AREA SALMON
FORECASTS, 2001**

Appendix D1.—Chignik Management Area salmon forecasts, 2001.

Forecast Area: Chignik Management Area
 Species: Sockeye Salmon

Preliminary Forecast of 2001 Run	Forecast Estimate	Forecast Range
• Total Production		
<i>Early Run (Black Lake)</i>		
Total Run	1,004,000	
Escapement	400,000	
Commercial Common Property Harvest	604,000	
<i>Late Run (Chignik Lake)</i>		
Total Run	911,000	
Escapement	250,000	
Commercial Common Property Harvest	661,000	
TOTAL CHIGNIK AREA RUN		
Total Run	1,915,000	537,000 – 3,294,000
Escapement	650,000	
Commercial Common Property Harvest ^a	1,265,000	

^a Includes portion of harvest by the Southeast District Mainland and Cape Igvak Fisheries. A total of 1,034,000 sockeye salmon are projected to be harvested in the CMA.

Forecast Methods

The forecasts for Black and Chignik Lakes 2001 runs were based on simple linear regressions between sibling relationships or median values of returns for brood years since 1977. Significant sibling regression relationships ($p < 0.25$) and standard regression analysis diagnostic techniques were used to estimate Black Lake ages 0.3, 1.3 and 2.3 and Chignik Lake ages 1.2, 1.3, 1.4, 2.2, and 2.4 runs. For age classes where no significant sibling regression relationships existed, the potential abundance was estimated by the median value of that age class. The individual age class estimates and their variances were summed and 80% prediction intervals were calculated for each run.

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Forecast Discussion

The 2001 sockeye salmon run to the Chignik River is expected to be 1.9 million fish, which is approximately 1 million fish less than the run of 2000. The early run is expected to be approximately 1 million fish fewer than the run in 2000, and the late run is expected to be similar in magnitude to the 2000 run. The 2001 sockeye salmon run to Chignik is expected to be approximately 1.9 million fish less than the recent 10-year average return.

Approximately 80% of the 2001 early run were forecasted using sibling relationships. All of these relationships yielded estimates below median values. The majority of the ages forecasted of the late run using sibling relationships were also below median levels. A significant sibling relationship did not exist for age 2.3 for the late run, however, which is usually a major component of the late run. If the general trends indicating runs below median values are realized, the age 2.3 component of the late run may have been overestimated. Because some sibling relationships were marginally significant and because some major age classes were estimated using median values, our confidence in this forecast is fair.

Kenneth A. Bouwens
Alaska Peninsula Finfish Research Biologist
Kodiak

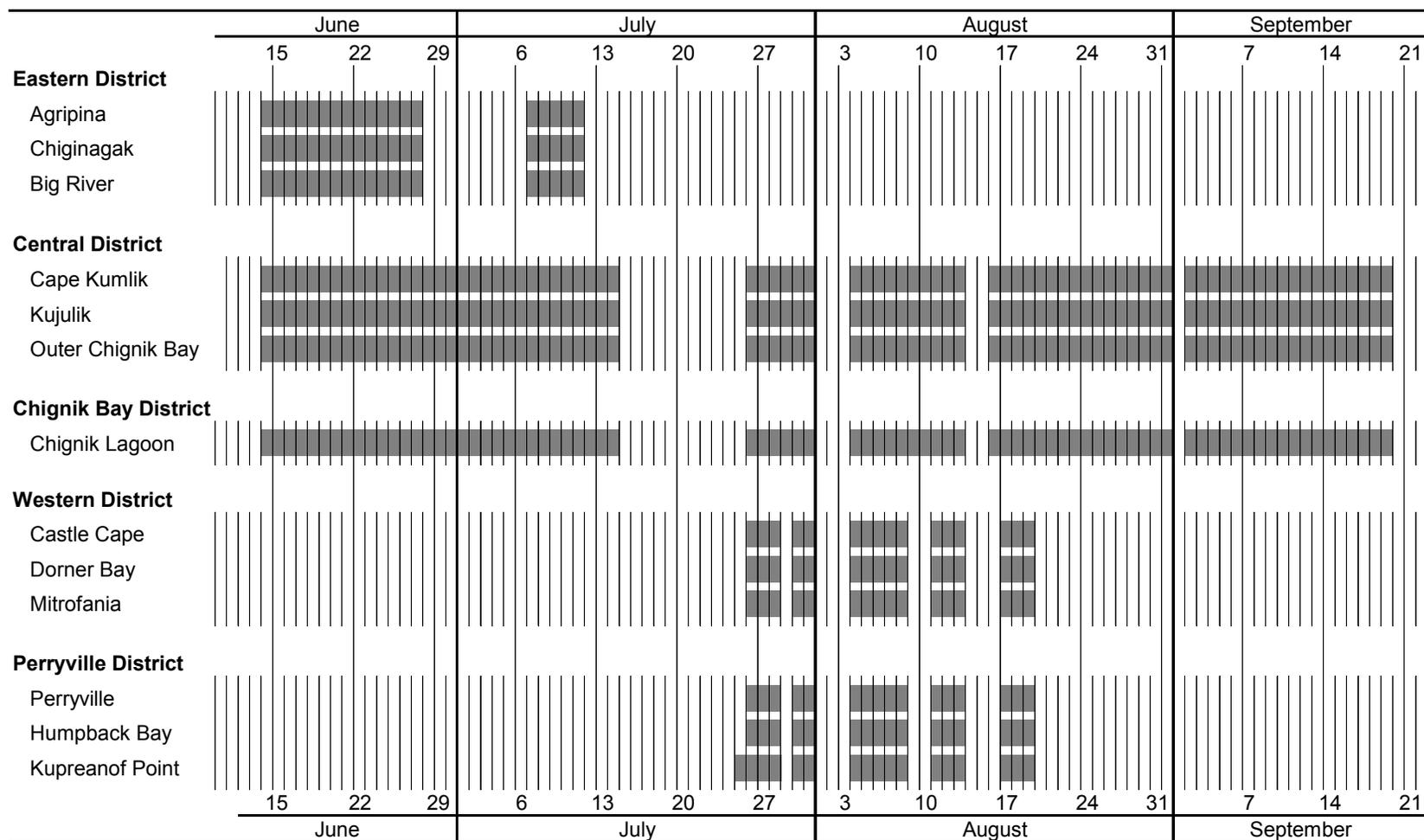
**Chignik Management Area
2001 Harvest Projections**

Chinook ¹	Sockeye ²	Coho ³	Pink ⁴	Chum ⁵	Total
3,700	1,034,000	185,000	1,080,000	186,000	2,488,700

- ¹ Chinook salmon harvest is dependent upon the amount of fishing time allowed for sockeye salmon in July; the harvest projection approximates a 7-year average, 1994-2000. The anonymously high chinook salmon harvests during 1993 and 1994 were not used for forecasting purposes.
- ² Estimate does not included the Cape Igvak and Southeast Mainland District intercept fisheries (21% allocation) through July 25.
- ³ Fishing time for coho salmon harvests will be related to the strength of the Chignik Lake sockeye salmon run. Chignik Bay and outside catches are based on a 10-year harvest average, 1991-2000.
- ⁴ The 2001 pink salmon forecast is based on the harvestable surplus over the most recent 10-year period, 1991-2000. Slightly more harvest should come from the Western and Perryville Districts than the Central and Eastern Districts.
- ⁵ The 2001 projected chum salmon forecast is based on the average harvestable surplus over the most recent 10-year period, 1991-2000. The Western and Perryville Districts should experience the largest proportion of the catch.

**APPENDIX E: COMMERCIAL SALMON FISHING TIME, BY
DISTRICT AND SECTION IN THE CHIGNIK MANAGEMENT
AREA, 2001**

Appendix E1.—Commercial salmon fishing time, by District and Section in the Chignik Management Area, 2001.



**APPENDIX F: COMMERCIAL SALMON FISHING EFFORT AND
CATCH BY STATISTICAL AREA AND DAY IN THE CHIGNIK
MANAGEMENT AREA, 2001.**

Appendix F1.—Commercial salmon fishing effort and catch by statistical area and day in the Chignik Management Area, 2001.

Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon ^a	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Chignik Bay District															
Stat Area 271-10															
	6-Jun	1 ^b	1	0	0	372	2,591	0	0	0	0	0	0	372	2,591
	9-Jun	1 ^b	1	0	0	30	254	0	0	0	0	0	0	30	254
	11-Jun	1 ^b	1	0	0	408	2,743	0	0	0	0	0	0	408	2,743
	13-Jun	1 ^b	1	0	0	1,813	12,670	0	0	0	0	0	0	1,813	12,670
	16-Jun	^c	^c	0	0	6,161	44,428	0	0	16	48	0	0	6,177	44,476
	19-Jun	1 ^b	1	0	0	1,952	14,058	0	0	0	0	0	0	1,952	14,058
	20-Jun	^c	^c	3	28	35,789	257,977	0	0	0	0	2	18	35,794	258,023
	22-Jun	^c	^c	2	10	25,807	186,165	0	0	12	37	3	25	25,824	186,237
	23-Jun	^c	^c	0	0	43,093	313,960	0	0	0	0	0	0	43,093	313,960
	24-Jun	^c	^c	3	21	28,791	207,862	0	0	0	0	2	19	28,796	207,902
	26-Jun	^c	^c	0	0	4,223	30,834	0	0	0	0	0	0	4,223	30,834
	27-Jun	^c	^c	0	0	17,259	123,670	0	0	0	0	0	0	17,259	123,670
	28-Jun	1 ^b	1	0	0	1,200	8,341	0	0	0	0	0	0	1,200	8,341
	29-Jun	^c	^c	1	18	14,882	108,640	0	0	48	145	33	198	14,964	109,001
	1-Jul	1 ^b	1	0	0	1,662	11,220	0	0	0	0	0	0	1,662	11,220
	2-Jul	60	61	99	1,699	45,666	333,525	0	0	89	291	69	531	45,923	336,046
	3-Jul	58	69	59	843	40,596	298,366	1	9	259	913	105	1,032	41,020	301,163
	4-Jul	52	57	104	1,862	20,204	150,180	0	0	157	507	86	650	20,551	153,199
	5-Jul	39	41	49	452	16,943	129,235	1	6	365	1,097	120	796	17,478	131,586
	6-Jul	48	53	76	1,031	30,838	233,744	3	23	447	1,227	81	637	31,445	236,662
	7-Jul	45	45	101	1,487	25,141	192,390	6	43	348	984	57	419	25,653	195,323
	8-Jul	47	49	37	565	26,996	207,598	17	123	456	1,325	63	481	27,569	210,092
	9-Jul	51	52	76	1,449	29,878	230,967	32	220	338	1,023	72	571	30,396	234,230
	10-Jul	49	54	96	1,865	24,596	189,606	11	69	189	569	56	404	24,948	192,513
	11-Jul	50	52	61	840	22,760	178,097	0	0	138	431	67	513	23,026	179,881
	12-Jul	53	55	74	1,282	16,509	129,267	17	103	413	1,346	316	2,431	17,329	134,429
	13-Jul	52	52	79	1,207	17,926	140,157	1	6	94	297	72	561	18,172	142,228
	14-Jul	33	33	13	133	8,167	62,896	0	0	22	72	29	203	8,231	63,304
	16-Jul	1 ^b	1	4	120	1,330	10,478	0	0	0	0	0	0	1,334	10,598
	20-Jul	1 ^b	1	0	0	2,550	16,982	0	0	0	0	0	0	2,550	16,982

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Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
271-10 Continued															
	25-Jul	1 ^b	1	0	0	2,694	18,860	0	0	0	0	0	0	2,694	18,860
	26-Jul	62	71	43	860	83,484	621,472	3	21	2,624	9,569	517	4,026	86,671	635,948
	27-Jul	57	64	24	436	26,530	190,518	60	424	3,092	11,178	389	2,938	30,095	205,494
	28-Jul	51	56	25	496	15,147	107,105	35	264	2,102	7,264	316	2,362	17,625	117,491
	29-Jul	51	52	7	92	8,249	57,879	6	45	1,279	4,654	193	1,503	9,734	64,173
	30-Jul	40	44	10	116	8,735	62,755	4	29	1,183	4,255	183	1,404	10,115	68,559
	31-Jul	36	39	10	86	9,950	71,299	1	7	1,076	3,876	573	4,287	11,610	79,555
	4-Aug	30	32	1	25	6,580	48,374	25	183	1,674	6,226	199	1,479	8,479	56,287
	5-Aug	43	47	9	143	13,009	95,323	118	869	3,363	12,176	862	6,419	17,361	114,930
	6-Aug	45	49	11	179	12,220	90,567	100	717	3,579	12,991	741	5,420	16,651	109,874
	7-Aug	44	49	7	119	12,006	89,688	170	1,282	3,731	13,571	494	3,570	16,408	108,230
	8-Aug	43	44	7	108	12,326	90,679	154	1,155	3,336	12,206	514	3,560	16,337	107,708
	9-Aug	41	44	4	61	12,494	92,190	12	102	3,054	11,459	401	2,798	15,965	106,610
	10-Aug	39	40	8	118	9,487	70,533	4	36	2,201	8,146	276	2,034	11,976	80,867
	11-Aug	31	34	0	0	12,725	94,248	100	739	4,516	15,850	496	3,313	17,837	114,150
	12-Aug	28	28	4	78	13,485	100,238	387	2,924	4,003	14,523	386	2,696	18,265	120,459
	13-Aug	40	41	6	119	16,309	120,112	1,148	8,620	4,437	16,197	507	3,323	22,407	148,371
	16-Aug	50	52	12	163	22,885	166,514	53	408	3,732	14,444	189	1,468	26,871	182,997
	17-Aug	47	47	2	31	15,520	111,660	69	554	2,986	11,319	247	1,669	18,824	125,233
	18-Aug	44	47	4	65	15,587	112,541	204	1,717	2,486	9,148	566	3,900	18,847	127,371
	19-Aug	38	40	1	28	13,786	99,798	86	685	1,762	6,624	166	1,125	15,801	108,260
	20-Aug	5	5	0	0	763	5,664	6	42	96	300	9	77	874	6,083
	21-Aug	30	35	1	34	21,570	156,261	163	1,424	962	3,742	165	1,223	22,861	162,684
	22-Aug	49	53	1	9	29,787	212,926	435	3,671	2,077	7,889	237	1,607	32,537	226,102
	23-Aug	44	47	1	23	20,149	145,362	362	3,020	1,573	6,015	202	1,405	22,287	155,825
	24-Aug	42	42	3	71	28,434	208,390	667	5,602	1,796	6,813	187	1,254	31,087	222,130
	25-Aug	43	46	4	68	19,972	142,884	717	5,999	1,824	6,861	220	1,537	22,737	157,349
	26-Aug	34	34	1	26	14,269	102,533	456	3,931	1,445	5,642	162	1,113	16,333	113,245
	27-Aug	34	36	0	0	19,430	139,702	632	5,638	1,570	5,920	170	1,083	21,802	152,343
	28-Aug	33	36	1	10	16,557	118,717	578	4,978	1,302	4,761	187	1,310	18,625	129,776

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Appendix F1. (page 3 of 11)

Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
271-10 Continued															
	29-Aug	32	34	0	0	21,560	153,732	659	5,547	977	3,734	214	1,447	23,410	164,460
	30-Aug	33	35	1	27	15,219	107,666	767	6,366	1,030	4,003	132	879	17,149	118,941
	31-Aug	29	31	1	18	15,516	109,797	1,329	11,816	856	3,113	188	1,259	17,890	126,003
	6-Sep	^d	^d	0	0	2,098	14,057	401	3,477	20	78	12	105	2,531	17,717
271-10 Total		76	2,053	1,146	18,521	1,082,074	7,958,945	10,000	82,894	75,135	274,859	11,533	83,082	1,179,888	8,418,301
Average Weight					16.2		7.4		8.3		3.7		7.2		

Stat Area 272-20															
	10-Jul	^d	^d	6	111	217	1,447	38	256	223	727	122	952	606	3,493
	12-Jul	^d	^d	1	10	183	1,250	99	659	177	656	130	1,127	590	3,702
	13-Jul	^d	^d	15	216	678	5,028	4	32	67	203	20	164	784	5,643
	28-Jul	^d	^d	13	104	255	1,901	1,411	10,388	9,780	29,336	845	6,273	12,304	48,002
	29-Jul	^d	^d	0	0	136	984	335	2,061	2,761	8,847	150	1,142	3,382	13,034
	10-Aug	^d	^d	0	0	25	186	143	1,186	1,215	3,890	111	794	1,494	6,056
	13-Aug	^d	^d	1	10	12	87	40	330	123	393	7	58	183	878
	24-Aug	^d	^d	0	0	475	3,379	90	756	600	2,528	75	477	1,240	7,140
	28-Aug	^d	^d	0	0	49	311	32	281	0	0	5	32	86	624
272-20 Total		5	9	36	451	2,030	14,573	2,192	15,949	14,946	46,580	1,465	11,019	20,669	88,572
Average Weight					12.5		7.2		7.3		3.1		7.5		

Central District															
Stat Area 272-30															
	28-Jun	^d	^d	3	64	4,910	36,081	0	0	162	569	490	4,337	5,565	41,051
	2-Jul	6	6	0	0	4,169	30,141	0	0	207	807	433	3,376	4,809	34,324
	3-Jul	12	12	9	144	18,132	129,401	2	15	2,302	6,185	1,524	12,577	21,969	148,322
	4-Jul	11	11	24	446	15,181	109,385	37	143	1,160	2,927	1,861	15,440	18,263	128,341
	5-Jul	8	8	4	73	5,212	38,552	2	14	1,748	3,751	1,465	12,281	8,431	54,671
	6-Jul	9	9	7	145	5,619	40,755	8	51	2,764	7,702	1,862	15,381	10,260	64,034
	7-Jul	11	12	10	224	5,136	37,185	21	136	3,108	7,580	1,404	11,408	9,679	56,533

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Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
272-30 Continued															
	8-Jul	9	9	7	98	3,862	28,263	57	414	2,540	7,160	1,831	14,833	8,297	50,768
	9-Jul	10	10	4	68	6,403	47,334	101	709	3,134	7,469	2,393	20,110	12,035	75,690
	10-Jul	11	11	7	125	4,756	35,235	22	162	1,445	3,883	2,570	21,182	8,800	60,587
	11-Jul	14	14	8	236	4,122	30,024	116	935	2,471	7,030	2,611	21,412	9,328	59,637
	12-Jul	11	11	3	37	2,243	16,666	21	153	2,058	5,126	1,699	12,473	6,024	34,455
	13-Jul	11	11	11	147	3,616	26,188	140	985	4,373	11,619	1,630	13,453	9,770	52,392
	14-Jul	10	10	5	62	1,957	14,463	117	892	2,578	7,434	1,267	10,426	5,924	33,277
	26-Jul	9	9	1	35	2,459	18,711	131	1,038	9,226	27,174	638	5,266	12,455	52,224
	27-Jul	11	11	7	190	5,096	39,246	219	1,846	23,068	69,212	1,353	11,169	29,743	121,663
	28-Jul	9	9	4	66	3,060	23,288	165	1,310	14,611	43,844	964	6,749	18,804	75,257
	29-Jul	12	12	6	104	5,728	43,442	392	3,105	24,256	75,381	1,221	9,729	31,603	131,761
	30-Jul	10	10	9	198	3,304	24,831	211	1,669	16,238	53,841	848	7,222	20,610	87,761
	31-Jul	9	9	1	5	1,247	9,116	78	605	9,216	30,899	394	3,176	10,936	43,801
	4-Aug	7	7	1	10	1,232	8,826	142	1,009	5,733	20,208	435	3,160	7,543	33,213
	5-Aug	7	11	5	137	2,744	20,526	169	1,269	20,372	67,625	709	6,072	23,999	95,629
	6-Aug	11	11	1	12	1,572	11,598	74	556	12,674	43,065	533	4,156	14,854	59,387
	7-Aug	12	12	5	60	1,990	14,896	258	2,187	19,096	63,834	640	5,380	21,989	86,357
	8-Aug	15	15	2	22	4,140	29,565	439	3,441	25,067	86,691	1,182	9,263	30,830	128,982
	9-Aug	11	11	0	0	2,476	18,874	222	1,831	15,259	50,326	719	6,198	18,676	77,229
	10-Aug	11	11	12	190	2,498	19,046	205	1,632	9,336	31,978	447	3,703	12,498	56,549
	11-Aug	7	9	8	118	1,776	13,616	178	1,412	8,206	25,494	383	3,104	10,551	43,744
	12-Aug	8	8	0	0	2,519	18,458	214	1,725	8,472	29,079	203	1,604	11,408	50,866
	13-Aug	11	11	0	0	5,750	43,180	222	1,787	5,857	19,792	533	4,504	12,362	69,263
	16-Aug	6	6	0	0	2,303	16,578	66	584	4,366	15,156	182	1,592	6,917	33,910
	17-Aug	13	13	0	0	7,587	55,733	728	6,300	11,254	41,331	655	5,590	20,224	108,954
	18-Aug	8	8	3	59	1,822	13,613	331	2,723	3,273	11,404	246	2,185	5,675	29,984
	19-Aug	12	13	2	27	4,619	32,758	578	4,849	6,767	24,219	464	3,813	12,430	65,666
	20-Aug	d	d	0	0	482	3,450	40	300	430	1,350	25	150	977	5,250
	21-Aug	d	d	0	0	1,431	10,126	288	2,449	1,505	5,948	222	1,975	3,446	20,498
	22-Aug	6	6	0	0	2,272	17,176	633	5,405	2,305	7,894	292	2,579	5,502	33,054

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Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
272-30 Continued															
	23-Aug	5	5	0	0	1,890	14,186	401	3,352	1,811	6,439	196	1,747	4,298	25,724
	24-Aug	7	7	2	58	3,762	28,707	943	8,032	4,340	14,022	411	3,527	9,458	54,346
	25-Aug	7	7	0	0	2,157	16,000	505	4,190	2,424	7,782	271	2,314	5,357	30,286
	26-Aug	9	9	0	0	2,300	17,459	497	4,040	3,027	9,320	303	2,471	6,127	33,290
	27-Aug	d	d	0	0	1,254	9,730	477	3,824	1,431	4,297	98	787	3,260	18,638
	28-Aug	5	5	2	23	2,656	20,590	779	6,242	1,856	5,575	267	2,135	5,560	34,565
	29-Aug	4	4	0	0	1,005	7,791	527	4,230	302	1,111	143	1,149	1,977	14,281
	30-Aug	d	d	0	0	264	1,728	244	2,177	200	782	44	324	752	5,011
	31-Aug	d	d	0	0	82	528	84	739	8	27	5	35	179	1,329
272-30 Total		28	394	173	3,183	168,795	1,243,045	11,084	90,467	302,036	974,342	38,066	311,517	520,154	2,622,554
Average Weight					18.4		7.4		8.2		3.2		8.2		
Stat Area 272-40															
	11-Jul	d	d	2	25	1,216	8,509	441	3,087	1,971	4,927	698	5,580	4,328	22,128
	14-Jul	d	d	8	122	133	985	193	1,575	375	1,137	160	1,360	869	5,179
	29-Jul	d	d	2	38	220	1,590	415	3,238	2,776	8,886	46	361	3,459	14,113
	8-Aug	d	d	0	0	23	140	172	1,222	615	1,920	61	510	871	3,792
	9-Aug	d	d	0	0	19	130	38	190	467	1,400	44	220	568	1,940
	10-Aug	d	d	3	39	61	485	283	2,417	1,370	4,669	143	1,104	1,860	8,714
272-40 Total		5	6	15	224	1,672	11,839	1,542	11,729	7,574	22,939	1,152	9,135	11,955	55,866
Average Weight					14.9		7.1		7.6		3.0		7.9		
Stat Area 272-50															
	2-Jul	d	d	5	119	5,896	41,947	0	0	1,088	3,668	443	3,541	7,432	49,275
	3-Jul	6	6	8	196	10,919	78,658	4	35	4,186	12,945	1,182	9,967	16,299	101,801
	4-Jul	7	7	2	30	9,255	70,126	2	15	2,036	6,738	1,669	13,864	12,964	90,773
	5-Jul	4	4	3	81	6,329	45,746	3	15	1,537	4,778	921	7,542	8,793	58,162
	6-Jul	7	7	4	102	7,174	51,723	33	204	3,260	10,786	1,154	9,295	11,625	72,110

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Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
272-50 Continued															
	7-Jul	d	d	1	6	353	2,434	3	20	535	1,544	44	326	936	4,330
	8-Jul	d	d	9	242	3,970	29,162	140	1,016	3,848	10,748	995	7,972	8,962	49,140
	9-Jul	d	d	0	0	1,025	7,600	31	198	800	2,256	298	2,240	2,154	12,294
	10-Jul	4	4	6	120	4,906	34,976	222	1,605	2,458	7,125	3,021	26,498	10,613	70,324
	11-Jul	d	d	0	0	449	3,206	24	177	323	976	269	2,333	1,065	6,692
	12-Jul	d	d	2	36	1,555	13,018	138	1,004	2,060	5,686	1,528	13,108	5,283	32,852
	13-Jul	d	d	0	0	314	2,328	18	134	310	928	185	1,664	827	5,054
	14-Jul	4	4	4	49	1,238	9,112	248	1,816	1,552	4,495	779	6,320	3,821	21,792
	27-Jul	d	d	10	166	2,430	17,775	274	1,924	10,037	30,608	535	4,169	13,286	54,642
	28-Jul	d	d	8	96	2,390	17,636	1,515	11,600	13,865	47,092	1,246	10,672	19,024	87,096
	29-Jul	d	d	3	32	1,796	12,856	253	1,870	15,640	50,542	613	4,984	18,305	70,284
	30-Jul	d	d	1	8	1,298	9,408	200	1,442	8,886	28,116	414	3,584	10,799	42,558
	31-Jul	d	d	0	0	802	6,028	152	1,090	4,302	13,658	217	1,870	5,473	22,646
	5-Aug	d	d	0	0	147	1,105	14	109	1,244	3,732	36	285	1,441	5,231
	6-Aug	d	d	0	0	251	1,886	36	290	3,752	11,256	70	556	4,109	13,988
	10-Aug	d	d	1	25	4,402	33,406	527	4,297	9,554	32,627	736	5,892	15,220	76,247
	11-Aug	d	d	0	0	34	260	3	20	549	1,975	10	60	596	2,315
	13-Aug	4	4	0	0	1,793	12,950	107	854	2,361	7,562	179	1,440	4,440	22,806
	16-Aug	d	d	0	0	2,590	18,720	239	1,883	2,474	7,922	223	1,727	5,526	30,252
	17-Aug	a	a	0	0	1,948	14,075	119	932	1,654	5,305	176	1,332	3,897	21,644
	18-Aug	4	4	3	49	2,415	17,485	254	1,994	1,698	5,476	213	1,603	4,583	26,607
	27-Aug	4	4	0	0	1,577	11,036	592	5,332	882	3,125	142	1,279	3,193	20,772
	28-Aug	d	4	4	113	1,085	7,585	383	3,440	269	1,073	88	789	1,829	13,000
272-50 Total		16	85	74	1,470	78,341	572,247	5,534	43,316	101,160	322,742	17,386	144,912	202,495	1,084,687
Average Weight					19.9		7.3		7.8		3.2		8.3		
Stat Area 272-62															
	2-Jul	d	d	0	0	4,001	28,529	0	0	1,331	4,115	199	1,715	5,531	34,359
	3-Jul	d	d	9	134	12,814	92,746	2	20	1,640	5,128	1,411	11,602	15,876	109,630

-Continued-

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Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
272-62 Continued															
	4-Jul	6	7	48	1,086	9,581	63,553	0	0	1,882	4,863	1,310	10,051	12,821	79,553
	5-Jul	9	10	20	453	6,869	48,246	5	37	1,457	4,377	760	6,003	9,111	59,116
	6-Jul	14	14	27	528	10,493	73,838	0	0	3,828	10,846	1,172	9,436	15,520	94,648
	8-Jul	14	14	29	659	7,402	51,693	647	4,354	5,188	16,909	1,633	12,953	14,899	86,568
	9-Jul	12	12	44	827	7,126	47,309	404	2,237	4,023	10,559	1,762	13,488	13,359	74,420
	10-Jul	12	12	39	620	2,866	20,015	132	801	1,244	3,276	1,739	13,873	6,020	38,585
	11-Jul	7	7	7	116	2,602	18,816	71	475	1,524	4,384	1,493	13,064	5,697	36,855
	12-Jul	9	9	22	235	2,141	15,348	187	1,201	2,395	6,394	2,293	17,656	7,038	40,834
	13-Jul	d	d	3	47	627	4,392	36	214	690	1,726	437	3,490	1,793	9,869
	14-Jul	d	d	0	0	31	237	0	0	0	0	0	0	31	237
	26-Jul	d	d	2	52	426	2,996	3	34	2,728	9,562	127	1,018	3,286	13,662
	27-Jul	d	d	6	132	1,638	11,222	231	1,815	14,689	51,512	525	4,229	17,089	68,910
	28-Jul	d	d	0	0	1,889	13,471	333	2,548	11,891	36,973	546	4,181	14,659	57,173
	29-Jul	d	d	22	393	1,472	11,022	238	1,760	13,584	40,771	438	3,241	15,754	57,187
	30-Jul	4	4	5	148	1,358	9,814	152	1,133	10,986	38,255	340	2,806	12,841	52,156
	31-Jul	4	4	0	0	591	4,146	10	85	3,564	10,694	2,254	20,296	6,419	35,221
	1-Aug	d	d	1	25	480	3,208	25	166	2,118	7,430	49	362	2,673	11,191
	4-Aug	d	d	1	35	461	3,244	122	1,097	2,001	7,653	76	623	2,661	12,652
	5-Aug	5	5	13	330	2,418	17,076	232	1,627	11,318	40,769	450	3,582	14,431	63,384
	6-Aug	d	d	9	175	1,578	11,131	432	3,345	7,368	26,280	180	1,451	9,567	42,382
	7-Aug	d	d	12	229	2,810	19,706	660	5,184	12,340	43,329	369	2,850	16,191	71,298
	8-Aug	4	4	7	109	4,141	31,486	115	1,013	12,984	42,580	510	4,485	17,757	79,673
	9-Aug	4	4	21	400	3,615	25,632	341	2,726	13,332	46,619	505	4,145	17,814	79,522
	10-Aug	7	7	30	565	5,987	45,408	683	5,135	38,801	128,060	1,103	8,727	46,604	187,895
	11-Aug	d	d	2	44	2,377	17,130	226	1,780	6,239	19,755	445	3,371	9,289	42,080
	12-Aug	4	4	5	119	1,547	12,745	480	4,062	2,228	7,156	429	3,579	4,689	27,661
	13-Aug	5	6	0	0	3,507	26,065	334	2,691	3,931	11,344	369	2,667	8,141	42,767
	16-Aug	5	5	4	99	1,769	12,728	211	1,667	1,932	6,134	178	1,430	4,094	22,058
	17-Aug	5	5	6	140	1,456	10,522	960	7,048	2,462	7,878	157	1,261	5,041	26,849
	18-Aug	4	4	1	26	1,517	10,920	339	2,523	2,130	6,851	130	1,032	4,117	21,352

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Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
272-62 Continued															
	19-Aug	4	4	4	91	962	6,614	177	1,412	829	2,945	106	786	2,078	11,848
	22-Aug	d	d	2	26	415	3,008	147	1,296	533	1,711	61	477	1,158	6,518
	23-Aug	5	5	4	78	2,147	15,480	502	4,760	1,369	4,684	232	1,942	4,254	26,944
	24-Aug	d	d	0	0	624	4,223	145	1,136	290	1,194	82	569	1,141	7,122
	25-Aug	d	d	1	15	4,167	30,005	845	7,105	2,235	7,600	330	2,913	7,578	47,638
	26-Aug	4	4	6	95	2,957	20,569	916	7,775	1,597	5,197	253	2,417	5,729	36,053
272-62 Total		29	200	471	8,947	131,334	936,241	10,710	83,187	215,722	708,512	25,935	209,912	384,172	1,946,799
Average Weight					19.0		7.1		7.8		3.3		8.1		
Eastern District															
Stat Area 272-60															
	8-Jul	d	d	0	0	487	3,471	7	49	147	508	36	287	677	4,315
	9-Jul	d	d	4	55	618	4,020	23	114	222	555	209	1,569	1,076	6,313
	11-Jul	d	d	1	23	281	2,085	4	25	55	203	190	1,420	531	3,756
	11-Aug	d	d	0	0	814	5,898	103	808	1,300	4,165	103	791	2,320	11,662
	13-Aug	d	d	8	165	1,348	9,392	91	670	1,816	5,249	197	1,349	3,460	16,825
272-60 Total		6	7	13	243	3,548	24,866	228	1,666	3,540	10,680	735	5,416	8,064	42,871
Average Weight					18.7		7.0		7.3		3.0		7.4		
Stat Area 272-72															
	12-Aug	d	d	4	34	1,165	9,029	100	784	5,123	17,371	620	4,962	7,012	32,180
	13-Aug	d	d	3	35	713	5,527	146	1,173	2,738	8,216	192	1,542	3,792	16,493
	18-Aug	d	d	2	22	305	2,371	108	865	591	1,775	297	2,379	1,303	7,412
272-72 Total		d	4	9	91	2,183	16,927	354	2,822	8,452	27,362	1,109	8,883	12,107	56,085
Average Weight					10.1		7.8		8.0		3.2		8.0		

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Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Stat Area 272-80															
	30-Jul	4	4	0	0	141	988	20	156	6,980	20,940	16,541	148,864	23,682	170,948
	4-Aug	d	d	0	0	1	7	0	0	1,129	3,387	4,268	34,148	5,398	37,542
	5-Aug	d	d	16	322	41	290	1	5	6,908	20,723	4,190	37,697	11,156	59,037
	6-Aug	d	d	3	72	138	968	0	0	3,838	11,514	2,742	24,679	6,721	37,233
	7-Aug	d	d	0	0	53	369	0	0	9,915	29,744	5,269	47,421	15,237	77,534
	8-Aug	d	d	0	0	16	121	1	10	2,693	8,390	2,553	18,826	5,263	27,347
	11-Aug	4	4	0	0	295	2,064	40	360	8,691	27,241	2,166	19,494	11,192	49,159
272-80 Total		7	18	19	394	685	4,807	62	531	40,154	121,939	37,729	331,129	78,649	458,800
Average Weight					20.7		7.0		8.6		3.0		8.8		
Stat Area 272-90															
	7-Aug	d	d	0	0	8	56	0	0	21,349	65,049	1,956	17,612	23,313	82,717
272-90 Total		d	d	0	0	8	56	0	0	21,349	65,049	1,956	17,612	23,313	82,717
Average Weight					0		7		0		3		9		
Stat Area 272-92															
	7-Jul	7	7	18	227	11,490	74,680	336	1,682	11,306	28,266	2,074	15,550	25,224	120,405
	8-Jul	6	7	64	560	5,982	43,107	244	1,647	6,360	17,778	2,870	25,315	15,520	88,407
	9-Jul	5	5	161	1,048	1,793	12,966	152	974	2,154	6,037	2,041	18,027	6,301	39,052
	10-Jul	6	6	18	165	2,074	14,850	406	2,831	2,637	8,603	2,326	16,403	7,461	42,852
	12-Aug	d	d	0	0	614	5,065	521	4,476	1,486	5,070	71	507	2,692	15,118
272-92 Total		8	28	261	2,000	21,953	150,668	1,659	11,610	23,943	65,754	9,382	75,802	57,198	305,834
Average Weight					7.7		6.9		7.0		2.8		8.1		

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Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Stat Area 273-74															
	26-Jul	5	5	65	239	2,099	14,934	8,852	70,200	39,950	119,855	4,071	32,437	55,037	237,665
	27-Jul	6	10	115	639	2,427	17,581	11,012	78,534	76,218	230,525	8,107	61,481	97,879	388,760
	28-Jul	d	d	0	0	235	1,769	638	5,362	7,643	22,926	504	4,291	9,020	34,348
	29-Jul	d	d	48	348	148	1,087	1,472	10,990	3,369	10,106	240	1,770	5,277	24,301
	30-Jul	7	7	107	431	1,065	7,907	7,104	52,576	31,651	94,959	2,596	19,225	42,523	175,098
	31-Jul	4	5	65	323	478	3,527	5,863	43,483	14,817	44,453	3,527	22,662	24,750	114,448
	4-Aug	4	4	9	113	357	2,652	2,191	16,348	10,858	32,578	652	4,836	14,067	56,527
	5-Aug	5	5	11	135	1,108	8,125	4,424	33,436	24,956	76,105	2,198	16,389	32,697	134,190
	6-Aug	4	4	7	136	1,215	8,917	3,542	26,547	33,296	99,892	2,485	18,594	40,545	154,086
	8-Aug	d	d	0	0	914	6,589	1,215	9,856	7,476	23,926	1,002	7,579	10,607	47,950
273-74 Total		12	44	427	2,364	10,046	73,088	46,313	347,332	250,234	755,325	25,382	189,264	332,402	1,367,373
Average Weight					5.5		7.3		7.5		3.0		7.5		
Western District															
Stat Area 273-90															
	26-Jul	d	4	32	144	725	5,254	5,963	43,525	15,824	48,533	1,519	12,307	24,063	109,763
	27-Jul	d	d	14	112	235	1,692	1,890	13,612	10,390	33,250	795	6,496	13,324	55,162
	29-Jul	d	d	26	215	1,064	7,028	1,729	13,501	8,859	28,352	781	6,068	12,459	55,164
	30-Jul	4	6	24	124	450	3,295	6,098	44,774	20,441	62,449	1,528	11,675	28,541	122,317
	31-Jul	6	8	95	624	798	5,678	9,419	72,440	35,567	108,740	2,377	17,848	48,256	205,330
	4-Aug	d	d	0	0	60	436	329	2,581	2,100	6,728	69	521	2,558	10,266
	5-Aug	4	4	0	0	581	4,209	1,678	13,218	17,813	57,228	900	6,797	20,972	81,452
	6-Aug	6	7	3	41	1,851	13,612	3,772	29,343	39,602	122,526	2,022	15,399	47,250	180,921
	7-Aug	d	d	0	0	482	3,481	285	2,157	11,165	35,727	423	3,189	12,355	44,554
	8-Aug	d	d	0	0	396	2,859	975	7,569	7,042	22,534	454	3,427	8,867	36,389
	11-Aug	d	d	4	91	790	6,178	6,936	57,730	3,415	11,299	931	7,286	12,076	82,584
	12-Aug	d	d	2	40	73	562	70	589	305	1,039	26	236	476	2,466
	13-Aug	d	d	0	0	59	414	499	3,909	130	391	70	508	758	5,222
273-90 Total		17	42	200	1,391	7,564	54,698	39,643	304,948	172,653	538,796	11,895	91,757	231,955	991,590
Average Weight					7.0		7.2		7.7		3.1		7.7		

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Stat Area	Catch Date	Fishing Effort		Chinook		Sockeye		Coho		Pinks		Chum		Total Salmon	
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Stat Area 273-94															
	31-Jul	^d	^d	0	0	63	412	624	4,510	1,650	5,790	189	1,518	2,526	12,230
273-94 Total		^d	^d	0	0	63	412	624	4,510	1,650	5,790	189	1,518	2,526	12,230
Average Weight							6.5		7.2		3.5		8.0		
Perryville District															
Stat Area 275-40															
	25-Jul	9	9	0	0	1	7	0	0	12,797	45,895	12,610	100,930	25,408	146,832
	5-Aug	^d	^d	2	34	551	4,116	1,226	9,160	16,244	48,733	1,417	10,589	19,440	72,632
	6-Aug	^d	^d	3	59	522	3,896	270	2,032	14,171	42,517	933	7,056	15,899	55,560
275-40 Total		11	12	5	93	1,074	8,019	1,496	11,192	43,212	137,145	14,960	118,575	60,747	275,024
Average Weight					18.6		7.5		7.5		3.2		7.9		
TOTAL CMA		93	2,905	2,849	39,372	1,511,370	11,070,431	131,441	1,012,153	1,281,760	4,077,814	198,874	1,609,533	3,126,294	17,809,303
Average Weight					13.8		7.3		7.7		3.2		8.1		

- ^a Does not include any salmon harvest from Southeastern District Mainland, Cape Igvak, salmon retained from the commercial harvest and not sold, or salmon harvested for subsistence.
- ^b The department's test fisheries in Chignik Lagoon.
- ^c Fishing activity by vessels conducting a "community harvest effort" for the Chignik Seiners Association while fleet was on strike.
- ^d Fishing effort omitted where there are confidentiality concerns (3 or less vessels).

**APPENDIX G: EMERGENCY ORDERS FOR THE CHIGNIK
MANAGEMENT AREA, 2001**

Appendix G1.—Emergency orders for the Chignik Management Area, 2001.

E.O.#	Issued	Effective	Action Taken
4-FS-L-01-01	3:00 PM 6/13/01	9:00 AM 6/14/01	<u>Opening</u> ; 24-hour announced for Chignik Bay, Central, and Eastern Districts from 9:00 AM 6/14/01 until 9:00 AM 6/15/01.
4-FS-L-02-01	6:15 PM 6/14/01	9:00 AM 6/15/01	<u>Extension</u> ; 24-hour announced for Chignik Bay, Central, and Eastern Districts from 9:00 AM 6/15/01 until 9:00 AM 6/16/01.
4-FS-L-03-01	6:15 PM 6/15/01	9:00 AM 6/16/01	<u>Extension</u> ; 24-hour announced for Chignik Bay, Central, and Eastern Districts from 9:00 AM 6/16/01 until 5:00 PM 6/17/01.
4-FS-L-04-01	6:15 AM 6/16/01	9:00 AM 6/17/01	<u>Extension</u> ; 24-hour announced for Chignik Bay, Central, and Eastern Districts from 9:00 AM 6/17/01 until 9:00 AM 6/18/01.
4-FS-L-05-01	6:15 PM 6/17/01	9:00 AM 6/18/01	<u>Extension</u> ; 24-hour announced for Chignik Bay, Central, and Eastern Districts from 9:00 AM 6/18/01 until 9:00 AM 6/19/01. <u>Closed Waters</u> ; Chignik Lagoon markers will move from Humes Point to Mensis Point at 9:00 AM 6/18/01.
4-FS-L-06-01	6:15 PM 6/18/01	9:00 AM 6/19/01	<u>Extension</u> ; 24-hour announced for Chignik Bay, Central, and Eastern Districts from 9:00 AM 6/19/01 until 9:00 AM 6/20/01.
4-FS-L-07-01	6:15 PM 6/19/01	9:00 AM 6/20/01	<u>Extension</u> ; 24-hour announced for Chignik Bay, Central, and Eastern Districts from 9:00 AM 6/20/01 until 9:00 AM 6/21/01.
4-FS-L-08-01	6:15 PM 6/20/01	9:00 AM 6/21/01	<u>Extension</u> ; 24-hour announced for Chignik Bay, Central, and Eastern Districts from 9:00 AM 6/21/01 until 9:00 AM 6/22/01.
4-FS-L-09-01	6:15 PM 6/21/01	9:00 AM 6/22/01	<u>Extension</u> ; 24-hour announced for Chignik Bay, Central, and Eastern Districts from 9:00 AM 6/22/01 until further notice.

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E.O.#	Issued	Effective	Action Taken
4-FS-L-10-01	6:15 PM 6/25/01	12:01 AM 6/27/01	<u>Closure:</u> The Eastern District will close at 12:01 AM 6/27/01.
4-FS-L-11-01	6:15 PM 7/05/01	12:01 AM 7/07/01	<u>Opening:</u> 48-hour announced for Eastern District from 12:01 AM 7/07/01 until 12:00 AM 7/09/01.
4-FS-L-12-01	6:15 PM 7/08/01	12:01 AM 7/09/01	<u>Extension:</u> 48-hour announced for Eastern District from 12:01 AM 7/09/01 until 12:00 AM 7/11/01.
4-FS-L-13-01	11:30 AM 7/13/01	10:00 AM 7/14/01	<u>Closure:</u> Entire Chignik Management Area will close 10:00 AM 7/14/01.
4-FS-L-14-01	10:00 AM 7/23/01	7:00 AM 7/25/01	<p><u>Opening:</u> 9-hour announced for area within Ivanof Bay of the Perryville District from 7:00 AM 7/25/01 to 4:00 PM 7/20/01.</p> <p><u>Closed Waters:</u> Within Ivanof Bay – line from painted rock to northern tip of Sand Island to west Road Island marker. Southern boundary is line along the 55° 47.37'N latitude line originating from a point on Alexander Point at 159° 24.37'W longitude. Also, waters within 500 yards from terminus of Ivanof River are closed to fishing.</p>
4-FS-L-15-01	1:00 PM 7/25/01	4:00 PM 7/25/01	<p><u>Extension:</u> 4-hour extension announced for area within Ivanof Bay of the Perryville District from 4:00 PM 7/25/01 to 9:00 PM 7/25/01.</p> <p><u>Closed Waters:</u> Within Ivanof Bay, closed waters will be reduced from 500 yards from terminus of Ivanof River to 100 yards from terminus of Ivanof River.</p>
4-FS-L-16-01	2:00 PM 7/25/01	8:00 AM 7/26/01	<p><u>Opening:</u> 48-hour announced for Chignik Bay and Central Districts from 8:00 AM 7/26/01 until 8:00 AM 7/28/01.</p> <p><u>Opening:</u> 48-hour announced for Eastern, Western, and Perryville Districts from 8:00 AM 7/26/01 until 8:00 AM 7/28/01.</p>
4-FS-L-17-01	6:15 PM 7/27/01	8:00 AM 7/28/01	<u>Extension:</u> 86-hour announced for Chignik Bay and Central Districts from 8:00 AM 7/28/01 until 10:00 PM 7/31/01.

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E. O. #	Issued	Effective	Action Taken
4-FS-L-17-01	6:15 PM 7/27/01	8:00 AM 7/28/01	<u>Extension:</u> 86-hour announced for Chignik Bay and Central Districts from 8:00 AM 7/28/01 until 10:00 PM 7/31/01.
4-FS-L-18-01	10:00 AM 7/29/01	10:00 AM 7/30/01	<u>Opening:</u> 40-hours announced for Eastern, Western, and Perryville Districts from 6:00 AM 7/30/01 until 10:00 PM 7/31/01.
4-FS-L-19-01	6:15 PM 8/03/01	4:00 PM 8/04/01	<u>Opening:</u> 52-hour announced for Chignik Bay and Central Districts from 4:00 PM 8/04/01 until 8:00 PM 8/06/01. <u>Closed Waters:</u> Regulatory markers will move from Humes Point to Mensis Point at 4:00 AM 8/05/01. <u>Opening:</u> 52-hour announced for Eastern, Western, and Perryville Districts from 4:00 PM 8/04/01 until 8:00 PM 8/06/01.
4-FS-L-20-01	12:15 PM 8/06/01	8:00 PM 8/06/01	<u>Extension:</u> 96-hour announced for Chignik Bay and Central Districts from 8:00 PM 8/06/01 until 8:00 PM 8/10/01. <u>Extension:</u> 48-hour announced for Eastern, Western, and Perryville Districts from 8:00 PM 8/06/01 until 8:00 PM 8/08/01.
4-FS-L-21-01	6:15 PM 8/09/01	8:00 PM 8/10/01	<u>Extension:</u> 72-hour announced for Chignik Bay and Central Districts from 8:00 PM 8/10/01 until 8:00 PM 8/13/01. <u>Opening:</u> 60-hour announced for Eastern, Western, and Perryville Districts from 8:00 AM 8/11/01 until 8:00 PM 8/13/01.
4-FS-L-22-01	12:15 PM 8/15/01	2:00 PM 8/16/01	<u>Opening:</u> 100-hour announced for Chignik Bay and Central Districts from 2:00 PM 8/16/01 until 6:00 PM 8/20/01. <u>Opening:</u> 58-hour announced for Eastern, Western, and Perryville Districts from 2:00 PM 8/16/01 until 11:59 PM 8/18/01.

-Continued-

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E. O. #	Issued	Effective	Action Taken
4-FS-L-23-01	6:15 PM 8/19/01	6:00 PM 8/20/01	<u>Extension:</u> 48-hour announced for Chignik Bay and Central Districts from 6:00 PM 8/20/01 until 6:00 PM 8/22/01.
4-FS-L-24-01	6:15 PM 8/21/01	6:00 PM 8/22/01	<u>Extension:</u> 96-hour announced for Chignik Bay and Central Districts from 6:00 PM 8/22/01 until 6:00 PM 8/26/01.
4-FS-L-25-01	6:15 PM 8/25/01	6:00 PM 8/26/01	<u>Extension:</u> 88-hour announced for Chignik Bay and Central Districts from 6:00 PM 8/26/01 until 10:00 AM 8/30/01.
4-FS-L-26-01	12:15 PM 8/29/01	10:00 AM 8/30/01	<u>Extension:</u> 38-hour announced for Chignik Bay and Central Districts from 10:00 AM 8/30/01 until 11:59 PM 8/31/01.
4-FS-L-27-01	6:30 PM 8/31/01	8:00 AM 9/02/01	<u>Opening:</u> 12-hours per day announced for Chignik Bay and Central Districts daily from 8:00 AM to 8:00 PM 9/02/01 until 9/14/01.
4-FS-L-28-01	12:30 PM 9/14/01	8:00 AM 9/15/01	<u>Opening:</u> 12-hours per day announced for Chignik Bay and Central Districts daily from 8:00 AM to 8:00 PM 9/15/01 until 9/19/01.
4-FS-L-29-01	6:30 PM 9/20/01	12:01 AM 9/21/01	<u>Restrictions On Commercial Fishermen:</u> Commercial fishing license holders will be allowed to subsistence fish for salmon within the Chignik Management Area beginning 12:01 AM 9/21/01.

**APPENDIX H: CHIGNIK MANAGEMENT AREA HERRING
REGULATIONS, 2001.**

**ARTICLE 9. CHIGNIK AREA.
(REGISTRATION AREA L).**

5 AAC 27.550. DESCRIPTION OF CHIGNIK AREA. The Chignik Area includes all waters of Alaska on the south side of the Alaska Peninsula enclosed by 156° 20.22' W. long., (the longitude of the southern entrance to Imuya Bay near Kilokak Rocks) and a line extending southeast (135°) from the southernmost tip of Kupreanof Point at 55° 33.98' N. lat., 159° 35.88' W. long.

5 AAC 27.555. DESCRIPTION OF CHIGNIK AREA DISTRICTS
Districts are as described in 5 AAC 15.200.

5 AAC 27.560. FISHING AND WEEKLY FISHING PERIODS FOR CHIGNIK AREA. (a) Herring may betaken from April 15 through June 30 (sac roe season) and from August 15 through February 28 (food and bait season).

(b) Herring may be taken only during periods established by emergency order.

(c) A CFEC permit holder must register with the department before participating in the food and bait fishery.

5 AAC 27.565. LAWFUL GEAR FOR CHIGNIK AREA.

(a) Herring may be taken only by purse seines.

(b) A herring fishing vessel may operate or assist in operating only one legal limit of herring fishing gear in the aggregate.

(c) Unhung gear sufficient for mending purposes may be carried aboard fishing vessels.

(d) Herring fishing nets shall be measured, either wet or dry, by determining the maximum length of cork line when the net is fully extended with traction applied at one end only.

(e) The interim-use or entry permit holder is responsible for operation of the net.

(f) The use of leads with any net gear used for commercial herring fishing is prohibited during the herring sac roe season.

5 AAC 27.575.. SEINE SPECIFICATIONS AND OPERATIONS FOR CHIGNIK AREA.

A purse seine may not be more than 1,000 meshes in depth or more than 100 fathoms in length.

5 AAC 27.580. WATERS CLOSED TO HERRING FISHING IN CHIGNIK AREA.

During the period June 12 – October 31, herring may not be taken in waters described in 5 AAC 15.350 and 5 AAC 39.290.

5 AAC 27.590. BUYER AND TENDER REPORTING REQUIREMENTS FOR CHIGNIK AREA. In addition to the requirements of 5 AAC 39.130(g), each tender operator and each buyer or the tender operator or buyer's agent shall report in person to and register with a local representative of the department upon arrival in the registration area before commencing operations and before changing location of the operation. Each buyer or buyer's agent shall

(1) identify all vessels to be employed in transporting or processing herring and shall register those vessels with a local representative of the department located in the registration area before transporting or processing herring;

(2) make daily reports of all herring purchased from fishermen, and other processing records as specified by a local representative of the department; and

(3) submit fish tickets before departure from the area and no later than 10 days after termination of buying operations in the area, or as otherwise specified by a local representative of the department.
