**Fishery Management Report No. 15-28**

# Chignik Management Area Salmon Annual Management Report, 2014

**by**

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## Symbols and Abbreviations

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**Weights and measures (metric)**

| | |
|---|---|
| centimeter | cm |
| deciliter | dL |
| gram | g |
| hectare | ha |
| kilogram | kg |
| kilometer | km |
| liter | L |
| meter | m |
| milliliter | mL |
| millimeter | mm |

**Weights and measures (English)**

| | |
|---|---|
| cubic feet per second | $ft^3/s$ |
| foot | ft |
| gallon | gal |
| inch | in |
| mile | mi |
| nautical mile | nmi |
| ounce | oz |
| pound | lb |
| quart | qt |
| yard | yd |

**Time and temperature**

| | |
|---|---|
| day | d |
| degrees Celsius | °C |
| degrees Fahrenheit | °F |
| degrees kelvin | K |
| hour | h |
| minute | min |
| second | s |

**Physics and chemistry**

| | |
|---|---|
| all atomic symbols | |
| alternating current | AC |
| ampere | A |
| calorie | cal |
| direct current | DC |
| hertz | Hz |
| horsepower | hp |
| hydrogen ion activity (negative log of) | pH |
| parts per million | ppm |
| parts per thousand | ppt, ‰ |
| volts | V |
| watts | W |

**General**

| | |
|---|---|
| Alaska Administrative Code | AAC |
| all commonly accepted abbreviations | e.g., Mr., Mrs., AM, PM, etc. |
| all commonly accepted professional titles | e.g., Dr., Ph.D., R.N., etc. |
| at | @ |
| compass directions: | |
| east | E |
| north | N |
| south | S |
| west | W |
| copyright | © |
| corporate suffixes: | |
| Company | Co. |
| Corporation | Corp. |
| Incorporated | Inc. |
| Limited | Ltd. |
| District of Columbia | D.C. |
| et alii (and others) | et al. |
| et cetera (and so forth) | etc. |
| exempli gratia (for example) | e.g. |
| Federal Information Code | FIC |
| id est (that is) | i.e. |
| latitude or longitude | lat. or long. |
| monetary symbols (U.S.) | $, ¢ |
| months (tables and figures): first three letters | Jan,...,Dec |
| registered trademark | ® |
| trademark | ™ |
| United States (adjective) | U.S. |
| United States of America (noun) | USA |
| U.S.C. | United States Code |
| U.S. state | use two-letter abbreviations (e.g., AK, WA) |

**Mathematics, statistics**

| | |
|---|---|
| *all standard mathematical signs, symbols and abbreviations* | |
| alternate hypothesis | $H_A$ |
| base of natural logarithm | $e$ |
| catch per unit effort | CPUE |
| coefficient of variation | CV |
| common test statistics | (F, t, $\chi^2$, etc.) |
| confidence interval | CI |
| correlation coefficient (multiple) | R |
| correlation coefficient (simple) | r |
| covariance | cov |
| degree (angular ) | ° |
| degrees of freedom | df |
| expected value | $E$ |
| greater than | > |
| greater than or equal to | ≥ |
| harvest per unit effort | HPUE |
| less than | < |
| less than or equal to | ≤ |
| logarithm (natural) | ln |
| logarithm (base 10) | log |
| logarithm (specify base) | $\log_2$, etc. |
| minute (angular) | ' |
| not significant | NS |
| null hypothesis | $H_O$ |
| percent | % |
| probability | P |
| probability of a type I error (rejection of the null hypothesis when true) | α |
| probability of a type II error (acceptance of the null hypothesis when false) | β |
| second (angular) | " |
| standard deviation | SD |
| standard error | SE |
| variance | |
| population | Var |
| sample | var |

*FISHERY MANAGEMENT REPORT NO. 15-28*

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# ABSTRACT

This report is a summary of the 2014 commercial Pacific salmon *Oncorhynchus* spp. fisheries within the Chignik Management Area (CMA; Area L). The CMA encompasses all coastal waters and inland drainages of the northwest Gulf of Alaska between Kilokak Rocks and Kupreanof Point. All 5 species of North American Pacific salmon were commercially harvested in the CMA during 2014: Chinook *O. tshawytscha,* sockeye *O. nerka*, coho *O. kisutch*, pink *O. gorbuscha*, and chum *O. keta* salmon. In 2014, the Chinook salmon escapement of 2,895 fish to the Chignik River was slightly above the escapement goal range of 1,300 to 2,700 fish. The 2014 Chignik River early-run sockeye salmon escapement of 360,381 fish was within the early-run escapement goal range of 350,000 to 450,000 fish. The late-run sockeye salmon escapement of 291,228 fish was within the late-run escapement goal range of 250,000 to 400,000 fish. Both early- and late-run escapements were below the recent 5-, 10-, and 20-year averages. The 2014 total CMA sockeye salmon harvest of 620,339 fish was well below the recent 5-, 10-, and 20-year average harvests. The CMA total coho salmon harvest of 132,459 fish was above recent 5-, 10-, and 20-year average harvests. The 2014 area wide peak pink salmon peak escapement estimate of 235,159 fish was within the even-year sustainable escapement goal range of 200,000 to 600,000 fish and was below the recent 5-, 10-, and 20-even year escapement averages. The CMA harvest of 352,115 pink salmon was also below the recent 5-, 10-, and 20-year average harvests. The areawide chum salmon peak escapement estimate of 101,378 fish exceeded the lower bound sustainable escapement goal of 57,400 fish. In 2014, 55,152 chum salmon were harvested which was well below recent 5-, 10-, and 20-year average harvests. A total of 70 CMA permit holders made deliveries in 2014. The majority of the fishing effort in the 2014 season occurred in the Chignik Bay and Western districts. The exvessel value for the 2014 salmon harvest in the CMA totaled approximately $7.01 million.

Key words: Chignik Management Area (CMA), Chignik River, *Oncorhynchus*, salmon, Alaska Board of Fisheries, 2014 commercial fisheries management, Fisheries Management Plan, harvest statistics, escapement

# INTRODUCTION

The Alaska Department of Fish and Game (ADF&G) manages all commercial salmon *Oncorhynchus* spp. fisheries within the Chignik Management Area (CMA; Area L). The CMA encompasses all coastal waters and inland drainages of the northwest Gulf of Alaska between Kilokak Rocks and Kupreanof Point (Figure 1). For management purposes, these waters are divided into 5 fishing districts: Eastern, Central, Chignik Bay, Western, and Perryville districts. Each district is further broken down into sections and statistical reporting areas (Figure 2).

There are 5 species of Pacific salmon that are commercially harvested in the CMA: Chinook *Oncorhynchus tschawytscha*, sockeye *O. nerka*, coho *O. kisutch*, pink *O. gorbuscha*, and chum *O. keta* salmon. Of these, sockeye salmon are the primary species targeted and the most important commercial and subsistence salmon species in the CMA. ADF&G manages all CMA commercial salmon resources by emergency order based on inseason evaluation of local stock abundance and escapement objectives (Appendix A). The majority of fishing effort is concentrated on salmon returning to the Chignik River watershed. Commercial salmon fishing is the economic mainstay for 5 villages: Chignik Bay, Chignik Lagoon, Chignik Lake, Perryville, and Ivanof Bay (Figure 1).

This report provides a summary of the 2014 commercial salmon management plan, fishing activity, escapements, and harvests in the CMA. Most tables in this report have been verified against the Westward Region electronic fish ticket (1970 to present) and historical escapement databases (1960 to present). The salmon harvest estimates reported in this document were summarized from the fish ticket database on January 10, 2015. Data published in this report supersede any data previously published.

# COMMERCIAL SALMON

## OVERVIEW OF MANAGEMENT PLANS

Several management plans have been used to manage the CMA commercial salmon fishery in the last decade. The 2014 CMA commercial salmon fishery was managed based on the *Chignik Salmon Management Plan* (5 AAC 15.357). Sockeye salmon bound for the Chignik River watershed were also allocated under 2 additional management plans: the *Cape Igvak Salmon Management Plan* (5 AAC 18.360) in the Kodiak Management Area (Area K) and the *Southeastern District Mainland (SEDM) Salmon Management Plan* (5 AAC 09.360) in the Alaska Peninsula Management Area (Area M; Figure 1).

### Chignik Salmon Management Plan

The *Chignik Salmon Management Plan* (5 AAC 15.357) was originally adopted in 1999. The goal of this plan is to allow traditional salmon fisheries in the CMA while achieving the established escapement goals for both early-run (Black Lake) and late-run (Chignik Lake) sockeye salmon. Purse seines and hand purse seines are the only legal commercial salmon fishing gear within the CMA. Legal seine gear ranges from 100 to 125 fathoms in length in the Chignik Bay District and from 100 to 225 fathoms in length in all other districts (5 AAC 15.332). To assist management efforts, the management plan is organized into districts or groups of districts: the Chignik Bay and Central districts, the Eastern District, and the Western and Perryville districts (Figure 2).

### Cape Igvak Salmon Management Plan

From June 1 through July 25, 90% of the sockeye salmon harvested within the Cape Igvak Section are allocatively considered to be Chignik-bound (5 AAC 18.360(d)). The Cape Igvak Section is the westernmost section of Area K, located directly northeast of the CMA (Figure 1). If the harvestable surplus of sockeye salmon in the CMA is above or expected to be above certain thresholds (5 AAC 18.360 (a-c)), then 15% of the total Chignik sockeye salmon harvest (total includes sockeye salmon caught at Cape Igvak and within certain portions of SEDM) is allocated to Area K fishermen. After July 25, there are no allocative ties between the CMA and Area K.

### Southeastern District Mainland Salmon Management Plan

From June 1 through July 25, 80% of the sockeye salmon harvested within certain SEDM sections during specific times are allocatively considered to be Chignik-bound (5 AAC 09.360). The SEDM is composed of a group of sections at the eastern end of Area M, located directly southwest of the CMA (Figure 1). If the harvestable surplus of sockeye salmon in the CMA is above or expected to be above certain thresholds (5 AAC 09.360 (a–g)), then 7.6% of the total estimated CMA sockeye salmon harvest is allocated to SEDM fishermen. After July 25, there are no allocative ties between the CMA and Area M.

## 2014 CHIGNIK SALMON MANAGEMENT

ADF&G targeted the lower bounds of the sockeye salmon escapement goals during the 2014 season (Table 1) based on limnology data from 2000 through 2007 that suggested the forage base for juvenile sockeye salmon was depressed in Chignik Lake (Bouwens and Finkle 2003a-b; Finkle 2005; Finkle 2006a-b; Finkle and Bouwens 2001). ADF&G first adopted this practice in

2002 to improve juvenile sockeye salmon production by relieving grazing pressure on zooplankton in Chignik Lake (Bouwens and Finkle 2003b).

The first commercial salmon fishing period began on July 12, and the last commercial fishing period ended on August 28. The commercial salmon fishery was open for a total of 42 days during 2014 (Figure 3). A total of 70 CMA commercial salmon permit holders (excluding the ADF&G test fishery permit) participated in the 2014 commercial salmon season (Table 2).

Salmon were delivered to 3 locations in 2014: a floating processor operated by Trident Seafoods located in Chignik Bay, Trident Seafoods shore based processor in Sand Point, and International Seafoods of Alaska in Kodiak. Processors filleted or headed and gutted the majority of Chignik salmon.

## Chignik Bay and Central Districts Commercial Salmon Fishery

The Chignik weir was completed on May 24 at approximately 3:00 p.m., with the first full day of escapement estimates (54 sockeye salmon) on May 25. Sockeye salmon escapement into the Chignik River was below average and did not meet minimum escapement objectives during the month of June (Tables 1 and 3). Results from 3 test fisheries conducted on June 10, 15, and 18 in Chignik Lagoon also indicated that there was no buildup of sockeye salmon in the lagoon. The Chignik Bay and Central districts remained closed to commercial salmon fishing throughout June and the first part of July due to the test fish results and weak early-run Chignik River sockeye salmon escapement.

The 2014 commercial salmon fishery in the Chignik Bay and Central districts opened at 5:00 p.m. July 12 after several days of strong escapement and when it was apparent that the lower bound of the early-run sockeye salmon escapement goal was achieved. The initial fishing period was extended for a total of 72 hours then closed for 49 hours (July 19–July 21) to increase escapement into the Chignik River (Tables 1 and 3; Figure 3). After reopening the commercial salmon fishery on July 21, sockeye salmon escapement into the Chignik River watershed remained relatively consistent allowing the fishery to remain open through August 10. After a closure of approximately 4.5 days (August 11–August 14) to allow escapement into the Chignik River, the Chignik Bay and Central districts reopened to commercial salmon fishing until August 28, when the 2 processors in the area ceased operations. In total, the Chignik Bay and Central districts were open for 42 days during 2014.

The Chignik Lagoon closed waters markers alternated between Humes Point and Mensis Point during the 2014 salmon season (Figure 5). Generally, the Humes Point markers were used when sockeye salmon escapement was at or just above the lower bound of the late run escapement objectives. This helped increase escapement into the Chignik River and also allowed ADF&G to assess the number of salmon entering the lagoon by concentrating the effort in the lower lagoon. A summary of emergency orders outlining the commercial salmon fisheries in the Chignik Bay and Central districts is located in Appendix A.

## Eastern District Commercial Salmon Fishery

The Eastern District, by regulation (5 AAC 15.357 (c)(1)), can open concurrently with the Chignik Bay and Central districts during June (Figures 2 and 3). However, in 2014 no commercial fishing openers occurred in the CMA during June due to a weak early-run sockeye salmon return to Chignik River. The first 2014 commercial salmon fishing period in the Eastern District occurred concurrently with the Chignik Bay and Central districts on July 12. Except for

one 49-hour closure (July 19–July 21) to increase escapement into Chignik River, the Eastern District remained open until August 6. After August 6, the Eastern District remained closed except for one 48-hour fishing period (August 20–August 21).

Inseason aerial surveys indicated that pink salmon escapement in 2014 was low to moderate compared to historical averages and chum salmon escapement was similar to recent averages.

In total, the Eastern District was open to commercial salmon fishing for 26 days during 2014 (Figure 3). A summary of emergency orders outlining the commercial salmon fisheries in the Eastern District is found in Appendix A.

### Western and Perryville Districts Commercial Salmon Fishery

The Inner Castle Cape Subsection of the Western District, by regulation (5 AAC 15.357 (b)), can open concurrently with the Chignik Bay and Central districts in June (Figures 2, 3, and 4). Also by regulation (5 AAC 15.357 (e)), the Western District, excluding the Inner Castle Cape Subsection, can open to commercial salmon fishing for two 48-hour periods with a mandatory 48-hour closure between fishing periods through July 5. However, due to a weak Chignik River sockeye salmon early-run, all sections in the CMA remained closed to commercial salmon fishing during June and early-July.

Excluding the Inner Castle Cape Section of the Western District, and the two 48-hour fishing periods, the Western and Perryville districts are closed to commercial salmon fishing through July 5 (5 AAC 15.357 (d)). Beginning July 6, these districts are managed based on the run strength of late-run sockeye salmon until the end of the transition period which occurs in mid-July. Once the transition period ends these districts are managed based on local pink and chum salmon escapements, as well as late-run sockeye salmon escapement into the Chignik River.

The first 2014 commercial salmon fishing period in the Western and Perryville districts began at 5:00 p.m. July 12 based on achieving the lower bound of the early-run sustainable escapement goal and adequate late-run sockeye salmon escapement. At that time, catch rates and aerial surveys indicated that few local pink and chum salmon had arrived in the CMA. The initial fishing period was extended for a total of 72 hours then closed for 49 hours (July 19–July 21) to increase escapement into the Chignik River (Tables 1 and 3; Figure 3). The commercial salmon fishery reopened on July 21, at which time aerial surveys indicated that adequate escapement of local pink and chum salmon stocks were present in the Western and Perryville districts (Figure 3). With the exception of one 4.5-day (August 11–August 14) closure, the Western and Perryville districts remained open to commercial salmon fishing until the districts closed for the season on August 28.

In total, the Western and Perryville districts were open to commercial salmon fishing for 42 days during 2014 (Figure 3). A summary of emergency orders outlining the commercial salmon fisheries in the Western and Perryville districts is found in Appendix A.

## ESCAPEMENT AND HARVEST DATA

### Stock Separation Techniques and Genetic Stock Identification

There are 2 distinct sockeye salmon runs (an early and late run) that enter the Chignik River watershed and temporally overlap during late June and early July (Templin et al. 1999). Prior to 2004, scale pattern analysis (SPA) was used to differentiate stock composition during this time, and the fishery was managed inseason based on the results of this analysis (Witteveen and Botz

2004). The Chignik SPA program was discontinued prior to the 2004 season due to funding limitations. However, examination of SPA data revealed that, on average, the number of early-run sockeye salmon that passed the Chignik River weir after July 4 was approximately equal to the number of late-run sockeye salmon that passed the weir prior to July 4. From 2004 to 2013, the fishery was managed based on this date, so that through July 4, fishing periods were based on achieving early-run escapement objectives, and beginning July 5, fishing periods were based on achieving late-run escapement objectives.

Beginning in 2010, through 2012, as part of an Alaska Sustainable Salmon Fund (AKSSF) project, sockeye salmon genetic samples were collected at the Chignik River weir approximately every 4–6 days before, during, and after the overlap period. Genetic tissue (axillary process) was clipped from approximately 190 sockeye salmon and, along with age and sex data, was sent to ADF&G's Gene Conservation Lab where genomic DNA was extracted and assayed for 96 sockeye salmon single nucleotide polymorphisms. The goal was to provide quantifiable inseason estimates of the contribution of both Black and Chignik lakes sockeye salmon stocks to Chignik River escapement estimates (Russell and Foster 2014). In 2013 and 2014, sampling intensity was reduced to 6 samples per season, with effort focused during the critical overlap period only. In 2013 and 2014, funding was jointly provided by Chignik Regional Aquaculture Association (CRAA) and ADF&G.

The 2014 samples were analyzed inseason and available within 30–48 hours after the samples were taken. As a result, the stock proportions obtained from genetic sampling were used inseason by ADF&G to attribute escapement simultaneously to the early- and late-run sockeye salmon escapement objectives instead of the July 4 date (Table 4). Using the genetics proportions, Black and Chignik lakes run timing was modeled using methods similar to SPA modeling (Witteveen and Botz 2004). The 2014 logistic model estimates show run timing of Chignik Lake sockeye salmon to be later than 2012 and 2013 but earlier than 2010 and 2011 (Figure 6). The 5 years of genetic stock proportions (Table 5; Figure 6) highlight the variable nature of the timing of entry for both stocks into Chignik River and suggest that any set cutoff date (i.e., July 4) may not promote biologically sound management (Anderson et al. 2013).

To estimate the total sockeye salmon run size after the season, daily commercial catch information was adjusted to the date when the harvested fish would have passed the weir and then the appropriate stock composition estimate was applied to those harvested fish. Stock-specific harvest estimates were added to daily escapement to create total daily run size estimates. The early- and late-run sockeye salmon escapement and harvest results can be found in the *2014 Escapement Information and 2014 Harvest Information* sections of this document.

## Escapement Goals

In 2013, a salmon escapement goal review team, including staff from the Division of Commercial Fisheries and the Sport Fish Division, was formed to review salmon escapement goals in the CMA (Sagalkin et al. 2013). The team recommended changing the Chignik River sockeye salmon early-run sustainable escapement goal (SEG) of 350,000–400,000 fish to a biological escapement goal (BEG) of 350,000–450,000 fish (Table 1). There were no changes recommended to any of the other established CMA salmon escapement goals, which remain as follows: the Chignik River Chinook salmon BEG range of 1,300–2,700 fish; the late-run sockeye salmon SEG of 250,000–400,000 fish, which includes an inriver run goal of 50,000 fish added to the lower bound of the late-run sockeye salmon SEG range of 200,000–400,000 fish for late season subsistence needs; the pink salmon even-year SEG range of 200,000–600,000 fish; the

odd-year pink salmon SEG range of 500,000–800,000 fish; and the areawide aggregate chum salmon lower bound SEG of 57,400 fish.

## 2014 Escapement Information

In 2014, the majority of salmon escapements to the Chignik River were enumerated through the use of a weir. There were 2 gates in the weir, which were generally always open to allow for unrestricted fish passage. Underwater video equipment was used to count fish passing through the weir gates. At night, lights allowed fish to be counted. The number of fish passing the weir, by species, were counted for the first 10 minutes of each hour, and then multiplied by 6 to obtain hourly escapement estimates. Hourly estimates were summed to provide an estimate of daily fish passage. Video footage from each 10-minute escapement count was recorded and archived.

The majority of the Chignik River Chinook, sockeye, pink, and chum salmon escapements were counted through the weir. Since Dolly Varden *Salvelinus malma* were not commercially harvested or actively managed in the CMA, their escapements are noted in the tables of this document for historical comparisons but not discussed in detail in the escapement section below. The first count of the 2014 season was on May 25, and the last full count of the season was on September 3, after which the weir was removed (Tables 3 and 6). A post-weir sockeye salmon estimate was produced using data collected with Dual frequency Identification Sonar (DIDSON) between September 4 and September 26. Species apportionment was applied based on fish caught in the lagoon by the DIDSON crew using a variable mesh gillnet and 1 report of subsistence catch by a local user. These post-weir results were grouped into 2 reporting periods: September 4 to September 15 and September 16 to September 26 (Appendix B).

Aerial surveys were flown over the spawning grounds of the Chignik River watershed to assess sockeye salmon spawning escapement levels and distribution. Escapements to other CMA streams were also estimated via aerial surveys.

### *Chinook Salmon*

The Chignik River is the only stream with substantial Chinook salmon escapement within the CMA. Chinook salmon began entering the Chignik River in mid-June. The run peaked by mid-July and was over by mid-August (Table 6; Figure 7). The 2014 Chignik River Chinook salmon escapement of 2,895 fish was below the recent 5- and 10-year averages while slightly above the 20-year average escapements (Table 7). Chinook salmon escapement in 2014 was also slightly above the BEG range of 1,300–2,700 fish (Figure 8; Sagalkin et al. 2013).

### *Sockeye Salmon*

Chignik River watershed sockeye salmon are managed based on daily escapement objectives by run (Table 1). The Chignik River sockeye salmon early run peaked in mid-June and the late run peaked in late-July (Table 4; Figure 9). The 2014 estimated total Chignik River watershed sockeye salmon escapement of 651,609 fish was below the 5-, 10-, and 20-year average escapement (Table 8). The early-run escapement was estimated at 360,381 sockeye salmon, which was within the early-run SEG range of 350,000–450,000 fish (Table 8; Figure 10). The late-run escapement was estimated at 291,228 sockeye salmon, which was within the late-run escapement goal range of 250,000–400,000 fish (Table 8; Figure 10). Because the weir was removed before the late run was complete, a post-weir sockeye salmon escapement estimate was produced using time series analysis. These results were grouped into 2 reporting periods, September 4 to September 15 (12,910 fish) and September 16 to September 26 (10,257 fish), which are included in the late-run estimate of total escapement (Table 2; Appendix B).

Peak aerial survey counts of spawning sockeye salmon in Black Lake tributaries were above the 5-, 10-, and 20-year averages (Table 9). Total peak aerial survey counts of spawning sockeye salmon in the Chignik Lake and its tributaries were also well above the 5-, 10-, and 20-year averages (Table 10).

Sockeye salmon escapements were documented, via aerial survey, in low numbers (generally fewer than 3,000 fish) in several other CMA streams. Due to small run sizes and limited effort, escapement goals for these streams have not been established (Sagalkin et al. 2013).

### *Coho Salmon*

Coho salmon enter CMA drainages in mid-August and generally continue through November. The 2014 Chignik River coho salmon escapement estimate through September 3 was 15,572 fish (Table 6), which was above the recent 5-, 10-, and 20-year average escapements (Table 7). A DIDSON unit was installed upstream of the weir site to estimate sockeye and coho salmon escapements after the weir was removed. The 2014 estimates of coho salmon escapement from September 4 until September 26 was 93,383 fish, for a total estimated escapement of 108,955 coho salmon. In several other CMA streams, coho salmon escapements were observed in low numbers (generally fewer than 1,000 fish) via aerial survey.

Due to late season run timing and limited directed effort, escapement goals for coho salmon have not been established in the CMA (Sagalkin et al. 2013).

### *Pink Salmon*

In 2014, pink salmon began entering the Chignik River in mid-July and peaked in mid-August with a total escapement of 3,171 salmon (Table 6). The 2014 pink salmon escapement into the Chignik River was well below the 5- and 10-year average escapements (Table 11).

Escapements into other CMA streams were monitored via aerial surveys. Aerial survey escapement estimates for all streams were summed and compared to the areawide even-year aggregate SEG for pink salmon. The 2014 overall combined escapement for the CMA was approximately 235,159 pink salmon, which was within the area wide aggregate even-year SEG range of 200,000–600,000 fish but well below the 5-, 10-, and 20-even year average escapement estimates (Table 11).

### *Chum Salmon*

A limited number of chum salmon return to the Chignik River, mainly in late-July and August (Table 6). The 2014 Chignik River chum salmon escapement was 58 fish, which was below the recent 5-year and 10-year average escapements (Table 7).

Escapements into other CMA streams were monitored via aerial surveys and compared to the areawide aggregate SEG for chum salmon (Sagalkin et al. 2013). The total 2014 CMA chum salmon escapement of 101,378 fish was above the lower bound SEG of 57,400 fish and below the 5-, 10-, and 20-year escapement averages (Table 12).

## Harvest Information

Commercial salmon harvest information for 2014 was organized into 4 categories. The first category included salmon that were commercially harvested but retained for private use (home pack). The second category included salmon that were harvested and sold as part of ADF&G's test fishery program. The third category included sockeye salmon commercially harvested within

the CMA. The final category included sockeye salmon commercially harvested under the Cape Igvak and SEDM management plans; for allocative purposes, the Board of Fisheries has determined that specific portions of these harvests were considered bound for the Chignik River.

Salmon harvested under subsistence regulations or ADF&G's Chignik Lagoon test fishery were not included in any of the harvest allocations. Similarly, home pack fish were not included in the Cape Igvak and SEDM allocations. All harvest information in this report was calculated from the ADF&G fish ticket database and supersedes any previously published data. A complete summary of 2014 commercial salmon harvest and effort can be found in Table 2.

### *Chinook Salmon*

A total of 8,846 Chinook salmon were harvested from the CMA in 2014, which was well above the 5-, 10-, and 20-year average Chinook salmon harvests (Table 13). During ADF&G's test fishery program, 2 Chinook salmon were harvested and 35 fish were retained as home pack (Table 14). Most of the CMA Chinook salmon harvest in 2014 came from the Central and Western districts (4,302 and 4,054 fish respectively; Table 15). In 2014, Chinook salmon were primarily harvested from mid-July through early August (Table 16).

### *Sockeye Salmon*

A total of 620,339 sockeye salmon were harvested in the CMA during 2014, which was well below the 5-, 10-, and 20-year average sockeye salmon harvests (Tables 13 and 17). ADF&G's test fishery program harvested 3,454 of these salmon, and a total of 6 fish were reported as retained for home pack (Table 17). Most of the CMA sockeye salmon harvest in 2014 occurred in the Chignik Bay, Central, and Western districts (Table 18). The majority of sockeye salmon were harvested from mid-July through early-August (Table 19).

The Cape Igvak and SEDM fisheries were not opened during the allocation period (June 1–July 25) due to low sockeye salmon harvests in the CMA. Therefore, no sockeye salmon allocatively considered Chignik-bound were harvested as part of the Cape Igvak or SEDM fisheries (Table 20).

The 2014 Chignik River early-run sockeye salmon harvest of 49,753 fish was well below the 5-, 10-, and 20-year average harvests (Table 21; Figure 11). The 2014 late-run harvest of 570,586 sockeye salmon was also below the 5-, 10-, and 20-year average harvests (Table 22; Figure 12). The total Chignik-bound commercial sockeye salmon harvest was 620,339 fish for a total run estimate (harvest plus escapement) of 1,271,948 sockeye salmon, which was well below the 5-, 10-, and 20-year average (Table 21; Figure 13).

In 2014, the Chignik early-run was approximately 380,000 sockeye salmon below the forecast, while the late-run was approximately 50,000 fish below the forecast (Table 22).

### *Coho Salmon*

A total of 132,459 coho salmon were harvested in the CMA during 2014, which was well above the 5-, 10-, and 20-year average harvests (Tables 13 and 23). All commercially-harvested coho salmon were sold to processors by fishermen (Table 23). The majority of the 2014 coho salmon harvest occurred in the Western District during July and August (Tables 24 and 25).

### *Pink Salmon*

A total of 352,099 pink salmon were harvested during 2014, which was well below the 5-, 10-, and 20-year average harvests (Tables 13 and 26). All commercially-harvested pink salmon were sold to processors by fishermen, which includes 16 salmon harvested during ADF&G's Chignik Lagoon test fishery (Table 26). The majority of the 2014 pink salmon harvest occurred in the Western District from late July through August (Table 27 and 28).

### *Chum Salmon*

A total of 55,152 chum salmon were harvested from the CMA during the 2014 season, which was well below the 5-, 10-, and 20-year average harvests (Tables 13 and 29). All of the commercially harvested chum salmon were sold to processors by fishermen, including 3 salmon harvested during ADF&G's Chignik Lagoon test fishery (Table 29). The 2014 chum salmon harvest occurred mostly in the Central and Western districts from mid-July until mid-August (Tables 30 and 31).

## Economic Value

In 2014, 70 CMA permit holders (77% of CMA permits) made deliveries (Table 32). The exvessel value of the 2014 CMA salmon harvest was about $7.0 million, or approximately $100,200 per active permit holder, which was well below the 5-, 10-, and 20-year average exvessel values (Table 32; Figure 14). The vast majority (86%) of exvessel revenue was from the sale of sockeye salmon ($86,293 per active permit holder). The 2014 Chinook, coho, pink, and chum salmon harvest provided $955, $6,206, $4,099, and $2,643, respectively, per active permit holder (Table 32).

## CHIGNIK LAGOON TEST FISHERY

ADF&G conducts test fisheries in Chignik Lagoon for multiple purposes. Early-season test fisheries are used to determine buildup of salmon prior to the first commercial fishery and to generate revenue to pay for the vessels chartered to conduct the test fisheries. Subsequent test fisheries are conducted to assess salmon abundance in Chignik Lagoon during fishery closures and offset the costs of operations at the Chignik weir (Anderson 2014).

ADF&G conducted 4 test fisheries during 2014, with a total harvest of 3,454 sockeye salmon (Table 17). The first test fishery occurred on June 10, when 399 sockeye salmon were harvested. Subsequent test fisheries conducted on June 15, June 18, and July 11 harvested 1,027, 662, and 1,372 sockeye salmon, respectively.

# CHIGNIK AREA SUBSISTENCE SALMON FISHERIES

The 2014 CMA subsistence harvest will not be available until after subsistence permits are returned and tabulated in the spring of 2015. Historical subsistence harvests can be found in Table 33.

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# TABLES AND FIGURES

Table 1.–Chignik River sockeye salmon escapement objectives, 2014.

| | Black Lake | | Chignik Lake | | | Chignik Lake | |
|---|---|---|---|---|---|---|---|
| Date[a] | Lower | Upper | Lower | Upper | Date | Lower | Upper |
| June 2 | 2,000 – | 3,500 | | | August 1 | 160,000 – | 297,000 |
| June 4 | 7,000 – | 9,000 | | | August 3 | 167,000 – | 306,000 |
| June 6 | 14,000 – | 19,000 | | | August 5 | 173,000 – | 314,000 |
| June 8 | 25,000 – | 33,000 | | | August 7 | 179,000 – | 321,000 |
| June 10 | 40,000 – | 51,000 | | | August 9 | 184,000 – | 327,000 |
| June 12 | 54,000 – | 70,000 | | | August 11 | 189,000 – | 332,000 |
| June 14 | 71,000 – | 92,000 | | | August 13 | 194,000 – | 337,000 |
| June 16 | 97,000 – | 124,000 | | | August 15 | 199,000 – | 343,000 |
| June 18 | 126,000 – | 162,000 | | | August 17 | 204,000 – | 348,000 |
| June 20 | 155,000 – | 200,000 | 1,000 – | 2,000 | August 19 | 207,000 – | 350,000 |
| June 22 | 183,000 – | 235,000 | 1,500 – | 3,500 | August 21 | 211,000 – | 358,000 |
| June 24 | 209,000 – | 268,000 | 3,000 – | 6,000 | August 23 | 214,000 – | 362,000 |
| June 26 | 242,000 – | 311,000 | 5,500 – | 10,000 | August 25 | 217,000 – | 366,000 |
| June 28 | 268,000 – | 344,000 | 8,000 – | 16,000 | August 27 | 220,000 – | 369,000 |
| June 30 | 285,000 – | 365,000 | 11,500 – | 22,000 | August 29 | 223,000 – | 373,000 |
| July 2 | 300,000 – | 385,000 | 16,000 – | 30,000 | August 31 | 225,000 – | 375,000 |
| July 4 | 312,000 – | 401,000 | 21,000 – | 40,000 | | | |
| July 6 | 321,000 – | 413,000 | 27,000 – | 51,000 | September 3 | 228,000 – | 378,000 |
| July 8 | 329,000 – | 422,000 | 34,000 – | 65,000 | September 5 | 231,000 – | 381,000 |
| July 10 | 334,000 – | 430,000 | 43,000 – | 81,000 | September 7 | 235,000 – | 385,000 |
| July 12 | 340,000 – | 436,000 | 53,000 – | 98,000 | September 9 | 239,000 – | 389,000 |
| July 14 | 343,000 – | 440,000 | 63,000 – | 118,000 | September 11 | 243,000 – | 393,000 |
| July 16 | 345,000 – | 443,000 | 75,000 – | 142,000 | September 13 | 247,000 – | 397,000 |
| July 18 | 347,000 – | 446,000 | 88,000 – | 168,000 | September 15 | 250,000 – | 400,000 |
| July 20 | 348,000 – | 448,000 | 100,000 – | 192,000 | | | |
| July 22 | 349,000 – | 449,000 | 113,000 – | 212,000 | Escapement Goals | | |
| July 24 | 349,000 – | 449,000 | 123,000 – | 230,000 | | | |
| July 26 | 349,000 – | 449,000 | 134,000 – | 251,000 | Black Lake | 350,000 – | 450,000 |
| July 28 | 349,000 – | 449,000 | 143,000 – | 269,000 | Chignik Lake | 250,000 – | 400,000[a] |
| July 30 | 350,000 – | 450,000 | 151,000 – | 284,000 | | | |

*Note:* Historically, the estimate of the total escapement for early run sockeye salmon was based on Chignik River weir counts through July 4, based on scale pattern analysis studies. After July 4, sockeye salmon through the weir was considered late-run escapement. Beginning in 2014, in-season genetic samples were used to determine the apportionment of the 2 runs during late June and mid-July when the runs overlap instead of the July 4 date and new interim escapement objectives were stablished for both runs.

[a] The late-run escapement objective (July 5–September 15) includes the late-run sockeye salmon sustainable escapement goal (SEG; 200,000–400,000), plus an additional 50,000 sockeye salmon inriver run goal (25,000 in August and 25,000 in September) to meet late season subsistence needs.

Table 2.–Commercial salmon fishing effort and harvest (including home pack but not including the department's test fishery harvest), by day in the Chignik Management Area, 2014.

| | Effort | | Chinook | | Sockeye | | Coho | | Pink | | Chum | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| 12-Jul | 46 | 50 | 100 | 1,143 | 28,400 | 204,882 | 483 | 3,766 | 2,116 | 12,125 | 715 | 5,273 | 31,814 | 227,189 |
| 13-Jul | 46 | 52 | 245 | 2,528 | 29,107 | 194,872 | 1,204 | 9,200 | 4,107 | 12,145 | 1,186 | 9,065 | 35,849 | 227,810 |
| 14-Jul | 50 | 52 | 350 | 4,549 | 31,978 | 209,337 | 796 | 5,842 | 3,618 | 11,641 | 1,388 | 9,404 | 38,130 | 240,773 |
| 15-Jul | 47 | 50 | 474 | 4,780 | 26,444 | 174,856 | 861 | 6,815 | 5,961 | 17,431 | 1,424 | 10,576 | 35,164 | 214,458 |
| 16-Jul | 50 | 55 | 464 | 5,407 | 41,176 | 268,339 | 702 | 5,339 | 4,654 | 14,691 | 1,613 | 12,567 | 48,609 | 306,343 |
| 17-Jul | 39 | 39 | 327 | 3,898 | 26,817 | 187,850 | 3,127 | 24,705 | 6,243 | 15,942 | 2,034 | 15,357 | 38,548 | 247,752 |
| 18-Jul | 57 | 62 | 819 | 6,705 | 21,970 | 149,247 | 5,009 | 44,063 | 7,433 | 23,043 | 3,905 | 30,307 | 39,136 | 253,365 |
| 19-Jul | | | | | | | Fishery Closed | | | | | | | |
| 20-Jul | | | | | | | Fishery Closed | | | | | | | |
| 21-Jul | 54 | 55 | 304 | 2,214 | 23,046 | 155,968 | 3,640 | 25,724 | 7,036 | 22,640 | 2,179 | 15,826 | 36,206 | 222,372 |
| 22-Jul | 58 | 58 | 402 | 4,167 | 39,601 | 269,008 | 5,178 | 47,694 | 12,052 | 36,750 | 2,278 | 21,610 | 59,511 | 379,229 |
| 23-Jul | 53 | 54 | 245 | 2,403 | 19,127 | 133,020 | 1,528 | 13,662 | 6,838 | 21,369 | 1,500 | 13,060 | 29,238 | 183,514 |
| 24-Jul | 55 | 57 | 206 | 1,708 | 27,939 | 198,503 | 5,871 | 54,995 | 13,148 | 41,030 | 1,962 | 16,707 | 49,126 | 312,943 |
| 25-Jul | 35 | 35 | 223 | 1,906 | 14,697 | 89,098 | 3,973 | 30,148 | 8,786 | 24,051 | 1,266 | 10,210 | 28,945 | 155,413 |
| 26-Jul | 50 | 51 | 461 | 3,536 | 22,243 | 147,476 | 6,240 | 53,719 | 10,835 | 34,397 | 2,409 | 20,616 | 42,188 | 259,744 |
| 27-Jul | 46 | 48 | 155 | 1,455 | 20,917 | 139,499 | 4,302 | 32,191 | 14,446 | 45,176 | 2,774 | 21,667 | 42,594 | 239,988 |
| 28-Jul | 54 | 54 | 109 | 1,113 | 23,344 | 162,364 | 3,940 | 33,432 | 15,275 | 51,108 | 2,555 | 21,477 | 45,223 | 269,494 |
| 29-Jul | 46 | 48 | 77 | 336 | 16,270 | 104,106 | 1,559 | 11,458 | 7,804 | 24,432 | 1,297 | 11,221 | 28,554 | 159,868 |
| 30-Jul | 53 | 53 | 45 | 491 | 21,756 | 143,723 | 4,033 | 38,618 | 20,361 | 64,968 | 1,848 | 19,103 | 48,043 | 266,903 |
| 31-Jul | 51 | 51 | 181 | 1,745 | 24,044 | 160,876 | 4,705 | 40,307 | 26,577 | 81,936 | 2,757 | 24,266 | 58,264 | 309,130 |
| 1-Aug | 47 | 47 | 167 | 1,357 | 17,561 | 112,681 | 5,340 | 48,014 | 20,323 | 69,129 | 1,786 | 15,893 | 45,179 | 247,074 |
| 2-Aug | 44 | 44 | 215 | 2,140 | 13,985 | 93,387 | 3,954 | 29,956 | 16,063 | 49,515 | 1,870 | 14,872 | 36,087 | 189,870 |
| 3-Aug | 45 | 45 | 143 | 1,365 | 21,530 | 142,265 | 6,689 | 54,731 | 26,576 | 95,019 | 2,512 | 21,144 | 57,450 | 314,524 |
| 4-Aug | 44 | 44 | 195 | 2,153 | 14,149 | 100,052 | 6,096 | 53,372 | 24,529 | 80,334 | 2,025 | 18,740 | 46,994 | 254,651 |
| 5-Aug | 36 | 36 | 17 | 189 | 7,292 | 47,850 | 4,285 | 34,053 | 8,300 | 27,272 | 1,517 | 13,701 | 21,411 | 123,065 |
| 6-Aug | 39 | 39 | 96 | 1,136 | 9,002 | 59,524 | 6,111 | 53,228 | 16,748 | 51,875 | 1,688 | 14,896 | 33,645 | 180,659 |
| 7-Aug | 19 | 19 | 16 | 240 | 2,506 | 15,832 | 503 | 4,262 | 1,310 | 5,116 | 242 | 1,986 | 4,577 | 27,436 |
| 8-Aug | 46 | 48 | 392 | 3,884 | 13,077 | 94,433 | 11,527 | 94,830 | 26,595 | 87,174 | 2,540 | 22,671 | 54,131 | 302,992 |
| 9-Aug | 37 | 37 | 57 | 652 | 9,218 | 54,056 | 6,652 | 48,554 | 10,186 | 36,157 | 1,361 | 11,779 | 27,474 | 151,198 |
| 10-Aug | 37 | 37 | 393 | 2,321 | 7,842 | 50,939 | 7,318 | 56,826 | 13,210 | 41,071 | 1,395 | 12,047 | 30,158 | 163,204 |
| 11-Aug | | | | | | | Fishery closed | | | | | | | |

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Table 2.–Page 2 of 2.

| | Effort | | Chinook | | Sockeye | | Coho | | Pink | | Chum | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| 12-Aug | | | | | | | Fishery closed | | | | | | | |
| 13-Aug | | | | | | | Fishery closed | | | | | | | |
| 14-Aug | | | | | | | Fishery closed | | | | | | | |
| 15-Aug | 28 | 28 | 104 | 916 | 4,673 | 27,962 | 2,093 | 15,622 | 1,791 | 6,648 | 462 | 3,363 | 9,123 | 54,511 |
| 16-Aug | 31 | 34 | 1,594 | 7,042 | 6,882 | 40,116 | 2,622 | 20,124 | 3,150 | 11,569 | 786 | 5,618 | 15,034 | 84,469 |
| 17-Aug | 19 | 19 | 63 | 403 | 4,791 | 27,689 | 1,727 | 12,600 | 1,124 | 4,135 | 482 | 2,977 | 8,187 | 47,804 |
| 18-Aug | 19 | 19 | 123 | 1,360 | 6,146 | 39,524 | 2,448 | 19,942 | 1,709 | 6,570 | 398 | 3,356 | 10,845 | 70,752 |
| 19-Aug | 20 | 20 | 4 | 47 | 7,367 | 47,692 | 2,292 | 19,507 | 1,770 | 6,879 | 403 | 3,489 | 11,836 | 77,614 |
| 20-Aug | 18 | 18 | | | 2,545 | 15,596 | 122 | 881 | 47 | 157 | 28 | 218 | 2,742 | 16,852 |
| 21-Aug | 16 | 16 | 46 | 458 | 2,743 | 17,027 | 831 | 6,366 | 504 | 1,828 | 162 | 1,184 | 4,286 | 26,863 |
| 22-Aug | 16 | 16 | | | 2,369 | 14,201 | 327 | 1,955 | 59 | 178 | 18 | 96 | 2,773 | 16,430 |
| 23-Aug | 3 | 3 | | | 371 | 2,369 | 130 | 778 | 10 | 30 | | | 511 | 3,177 |
| 24-Aug | 6 | 6 | | | 382 | 2,489 | 77 | 624 | 21 | 63 | 7 | 49 | 487 | 3,225 |
| 25-Aug | 7 | 7 | | | 403 | 2,569 | 385 | 2,830 | 54 | 163 | 3 | 21 | 845 | 5,583 |
| 26-Aug | 5 | 5 | | | 1,847 | 10,992 | 2,442 | 19,007 | 641 | 1,923 | 223 | 1,564 | 5,153 | 33,486 |
| 27-Aug | 10 | 11 | | | 1,322 | 7,864 | 1,337 | 11,570 | 89 | 561 | 151 | 499 | 2,899 | 20,494 |
| Total | 70 | 1,522 | 8,809 | 75,747 | 616,879 | 4,120,133 | 132,459 | 1,091,310 | 352,099 | 1,138,241 | 55,149 | 458,475 | 1,165,395 | 6,883,906 |

Table 3.–Estimated Chignik River sockeye salmon escapement, by day and management objective period, 2014.

| May–June | | | July | | | August | | |
|---|---|---|---|---|---|---|---|---|
| Date | Daily | Total | Date | Daily | Total | Date | Daily | Total |
| 5/25 | 54 | 54 | 7/1 | 10,253 | 10,253 | 8/1 | 1,493 | 1,493 |
| 5/26 | 97 | 151 | 7/2 | 8,099 | 18,352 | 8/2 | 2,310 | 3,803 |
| 5/27 | 42 | 193 | 7/3 | 9,912 | 28,264 | 8/3 | 1,994 | 5,797 |
| 5/28 | 120 | 313 | 7/4 | 9,669 | 37,933 | 8/4 | 2,041 | 7,838 |
| 5/29 | 179 | 492 | 7/5 | 14,691 | 52,624 | 8/5 | 4,048 | 11,886 |
| 5/30 | 231 | 723 | 7/6 | 12,562 | 65,186 | 8/6 | 1,888 | 13,774 |
| 5/31 | 303 | 1,026 | 7/7 | 18,724 | 83,910 | 8/7 | 1,213 | 14,987 |
| 6/1 | 477 | 1,503 | 7/8 | 15,438 | 99,348 | 8/8 | 1,057 | 16,044 |
| 6/2 | 1,793 | 3,296 | 7/9 | 24,673 | 124,021 | 8/9 | 1,561 | 17,605 |
| 6/3 | 106 | 3,402 | 7/10 | 18,109 | 142,130 | 8/10 | 2,360 | 19,965 |
| 6/4 | 1,435 | 4,837 | 7/11 | 21,741 | 163,871 | 8/11 | 2,354 | 22,319 |
| 6/5 | 451 | 5,288 | 7/12 | 11,995 | 175,866 | 8/12 | 2,313 | 24,632 |
| 6/6 | 2,006 | 7,294 | 7/13 | 12,865 | 188,731 | 8/13 | 6,147 | 30,779 |
| 6/7 | 5,624 | 12,918 | 7/14 | 9,128 | 197,859 | 8/14 | 6,445 | 37,224 |
| 6/8 | 7,039 | 19,957 | 7/15 | 3,206 | 201,065 | 8/15 | 3,333 | 40,557 |
| 6/9 | 10,834 | 30,791 | 7/16 | 2,627 | 203,692 | 8/16 | 3,135 | 43,692 |
| 6/10 | 8,278 | 39,069 | 7/17 | 2,467 | 206,159 | 8/17 | 3,631 | 47,323 |
| 6/11 | 2,054 | 41,123 | 7/18 | 2,528 | 208,687 | 8/18 | 3,039 | 50,362 |
| 6/12 | 3,224 | 44,347 | 7/19 | 6,068 | 214,755 | 8/19 | 2,710 | 53,072 |
| 6/13 | 10,640 | 54,987 | 7/20 | 20,764 | 235,519 | 8/20 | 2,276 | 55,348 |
| 6/14 | 8,718 | 63,705 | 7/21 | 18,998 | 254,517 | 8/21 | 2,414 | 57,762 |
| 6/15 | 17,079 | 80,784 | 7/22 | 5,095 | 259,612 | 8/22 | 1,409 | 59,171 |
| 6/16 | 10,501 | 91,285 | 7/23 | 1,300 | 260,912 | 8/23 | 1,807 | 60,978 |
| 6/17 | 17,384 | 108,669 | 7/24 | 1,911 | 262,823 | 8/24 | 3,198 | 64,176 |
| 6/18 | 11,611 | 120,280 | 7/25 | 1,576 | 264,399 | 8/25 | 1,249 | 65,425 |
| 6/19 | 17,109 | 137,389 | 7/26 | 2,248 | 266,647 | 8/26 | 1,419 | 66,844 |
| 6/20 | 11,833 | 149,222 | 7/27 | 2,970 | 269,617 | 8/27 | 1,382 | 68,226 |
| 6/21 | 17,112 | 166,334 | 7/28 | 2,034 | 271,651 | 8/28 | 1,356 | 69,582 |
| 6/22 | 8,712 | 175,046 | 7/29 | 2,460 | 274,111 | 8/29 | 1,611 | 71,193 |
| 6/23 | 12,935 | 187,981 | 7/30 | 2,073 | 276,184 | 8/30 | 1,412 | 72,605 |
| 6/24 | 18,252 | 206,233 | 7/31 | 3,289 | 279,473 | 8/31 | 1,805 | 74,410 |
| 6/25 | 13,695 | 219,928 | July total: | | 279,473 | August total: | | 74,410 |
| 6/26 | 12,375 | 232,303 | | | | | | |
| 6/27 | 9,912 | 242,215 | | | | | | |
| 6/28 | 6,227 | 248,442 | | | | | | |
| 6/29 | 9,900 | 258,342 | | | | | | |
| 6/30 | 13,196 | 271,538 | | | | | | |
| May 25–June 30 total: | | 271,538 | | | | | | |

| September | | |
|---|---|---|
| Date | | Total |
| 9/1 | 1,396 | 1,396 |
| 9/2 | 1,008 | 2,404 |
| 9/3[a] | 617 | 3,021 |
| 9/4–9/15 estimate | 12,910 | 15,931 |
| 9/16–9/26 estimate | 10,257 | 26,188 |
| September total: | | 26,188 |
| Early run total:[b] | | 360,381 |
| Late run total:[c] | | 291,228 |
| Season total: | | 651,609 |

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Table 3.–Page 2 of 2.

[a] The weir was removed after the completion of the 9/3 count.

[b] Historically, the estimate of the total escapement for early run sockeye salmon was based on Chignik River weir counts through July 4, based on scale pattern analysis studies. After July 4, sockeye salmon through the weir was considered late-run escapement. Beginning in 2014, in-season genetic samples were used to determine the apportionment of the 2 runs during late-June and mid-July when the runs overlap instead of the July 4 date.

[c] The late-run escapement objective (July 5–September 15) includes the late-run sockeye salmon sustainable escapement goal (SEG; 200,000–400,000), plus an additional 50,000 sockeye salmon inriver run goal (25,000 in August and 25,000 in September) to meet late season subsistence needs.

Table 4.–Genetic stock proportions of estimated Chignik River sockeye salmon escapement by day, 2014.

| Date | Daily escapement | Cumulative escapement | % Late run | Early run | Late run |
|---|---|---|---|---|---|
| 5/25 | 54 | 54 | 0% | 54 | 0 |
| 5/26 | 97 | 151 | 0% | 97 | 0 |
| 5/27 | 42 | 193 | 0% | 42 | 0 |
| 5/28 | 120 | 313 | 0% | 120 | 0 |
| 5/29 | 179 | 492 | 0% | 179 | 0 |
| 5/30 | 231 | 723 | 0% | 231 | 0 |
| 5/31 | 303 | 1,026 | 0% | 303 | 0 |
| 6/1 | 477 | 1,503 | 0% | 477 | 0 |
| 6/2 | 1,793 | 3,296 | 0% | 1,791 | 2 |
| 6/3 | 106 | 3,402 | 0% | 106 | 0 |
| 6/4 | 1,435 | 4,837 | 0% | 1,433 | 2 |
| 6/5 | 451 | 5,288 | 0% | 450 | 1 |
| 6/6 | 2,006 | 7,294 | 0% | 2,002 | 4 |
| 6/7 | 5,624 | 12,918 | 0% | 5,609 | 15 |
| 6/8 | 7,039 | 19,957 | 0% | 7,016 | 23 |
| 6/9 | 10,834 | 30,791 | 0% | 10,791 | 43 |
| 6/10 | 8,278 | 39,069 | 0% | 8,239 | 39 |
| 6/11 | 2,054 | 41,123 | 1% | 2,042 | 12 |
| 6/12 | 3,224 | 44,347 | 1% | 3,201 | 23 |
| 6/13 | 10,640 | 54,987 | 1% | 10,550 | 90 |
| 6/14 | 8,718 | 63,705 | 1% | 8,629 | 89 |
| 6/15 | 17,079 | 80,784 | 1% | 16,867 | 212 |
| 6/16 | 10,501 | 91,285 | 2% | 10,343 | 158 |
| 6/17 | 17,384 | 108,669 | 2% | 17,068 | 316 |
| 6/18 | 11,611 | 120,280 | 2% | 11,356 | 255 |
| 6/19 | 17,109 | 137,389 | 3% | 16,656 | 453 |
| 6/20 | 11,833 | 149,222 | 3% | 11,455 | 378 |
| 6/21 | 17,112 | 166,334 | 4% | 16,453 | 659 |
| 6/22 | 8,712 | 175,046 | 5% | 8,309 | 403 |
| 6/23 | 12,935 | 187,981 | 6% | 12,216 | 719 |
| 6/24 | 18,252 | 206,233 | 7% | 17,035 | 1,217 |
| 6/25 | 13,695 | 219,928 | 8% | 12,603 | 1,092 |
| 6/26 | 12,375 | 232,303 | 10% | 11,198 | 1,177 |
| 6/27 | 9,912 | 242,215 | 11% | 8,792 | 1,120 |
| 6/28 | 6,227 | 248,442 | 13% | 5,393 | 834 |
| 6/29 | 9,900 | 258,342 | 16% | 8,337 | 1,563 |
| 6/30 | 13,196 | 271,538 | 19% | 10,751 | 2,445 |
| 7/1 | 10,253 | 281,791 | 22% | 8,036 | 2,217 |
| 7/2 | 8,099 | 289,890 | 25% | 6,069 | 2,030 |
| 7/3 | 9,912 | 299,802 | 29% | 7,051 | 2,861 |
| 7/4 | 9,669 | 309,471 | 33% | 6,480 | 3,189 |
| 7/5 | 14,691 | 324,162 | 37% | 9,199 | 5,492 |
| 7/6 | 12,562 | 336,724 | 42% | 7,286 | 5,276 |
| 7/7 | 18,724 | 355,448 | 47% | 9,969 | 8,755 |

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Table 4.–Page 2 of 3.

| Date | Daily escapement | Cumulative escapement | % Late run | Early run | Late run |
|---|---|---|---|---|---|
| 7/10 | 18,109 | 413,668 | 61% | 7,054 | 11,055 |
| 7/11 | 21,741 | 435,409 | 66% | 7,495 | 14,246 |
| 7/12 | 11,995 | 447,404 | 70% | 3,629 | 8,366 |
| 7/13 | 12,865 | 460,269 | 74% | 3,389 | 9,476 |
| 7/14 | 9,128 | 469,397 | 77% | 2,078 | 7,050 |
| 7/15 | 3,206 | 472,603 | 80% | 627 | 2,579 |
| 7/16 | 2,627 | 475,230 | 83% | 439 | 2,188 |
| 7/17 | 2,467 | 477,697 | 86% | 350 | 2,117 |
| 7/18 | 2,528 | 480,225 | 88% | 303 | 2,225 |
| 7/19 | 6,068 | 486,293 | 90% | 613 | 5,455 |
| 7/20 | 20,764 | 507,057 | 92% | 1,760 | 19,004 |
| 7/21 | 18,998 | 526,055 | 93% | 1,347 | 17,651 |
| 7/22 | 5,095 | 531,150 | 94% | 302 | 4,793 |
| 7/23 | 1,300 | 532,450 | 95% | 64 | 1,236 |
| 7/24 | 1,911 | 534,361 | 96% | 78 | 1,833 |
| 7/25 | 1,576 | 535,937 | 97% | 54 | 1,522 |
| 7/26 | 2,248 | 538,185 | 97% | 64 | 2,184 |
| 7/27 | 2,970 | 541,155 | 98% | 70 | 2,900 |
| 7/28 | 2,034 | 543,189 | 98% | 39 | 1,995 |
| 7/29 | 2,460 | 545,649 | 98% | 39 | 2,421 |
| 7/30 | 2,073 | 547,722 | 99% | 27 | 2,046 |
| 7/31 | 3,289 | 551,011 | 99% | 36 | 3,253 |
| 8/1 | 1,493 | 552,504 | 100% | 0 | 1,493 |
| 8/2 | 2,310 | 554,814 | 100% | 0 | 2,310 |
| 8/3 | 1,994 | 556,808 | 100% | 0 | 1,994 |
| 8/4 | 2,041 | 558,849 | 100% | 0 | 2,041 |
| 8/5 | 4,048 | 562,897 | 100% | 0 | 4,048 |
| 8/6 | 1,888 | 564,785 | 100% | 0 | 1,888 |
| 8/7 | 1,213 | 565,998 | 100% | 0 | 1,213 |
| 8/8 | 1,057 | 567,055 | 100% | 0 | 1,057 |
| 8/9 | 1,561 | 568,616 | 100% | 0 | 1,561 |
| 8/10 | 2,360 | 570,976 | 100% | 0 | 2,360 |
| 8/11 | 2,354 | 573,330 | 100% | 0 | 2,354 |
| 8/12 | 2,313 | 575,643 | 100% | 0 | 2,313 |
| 8/13 | 6,147 | 581,790 | 100% | 0 | 6,147 |
| 8/14 | 6,445 | 588,235 | 100% | 0 | 6,445 |
| 8/15 | 3,333 | 591,568 | 100% | 0 | 3,333 |
| 8/16 | 3,135 | 594,703 | 100% | 0 | 3,135 |
| 8/17 | 3,631 | 598,334 | 100% | 0 | 3,631 |
| 8/18 | 3,039 | 601,373 | 100% | 0 | 3,039 |
| 8/19 | 2,710 | 604,083 | 100% | 0 | 2,710 |
| 8/20 | 2,276 | 606,359 | 100% | 0 | 2,276 |
| 8/21 | 2,414 | 608,773 | 100% | 0 | 2,414 |

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Table 4.–Page 3 of 3.

| Date | Daily escapement | Cumulative escapement | % Late run | Early run | Late run |
|---|---|---|---|---|---|
| 8/22 | 1,409 | 610,182 | 100% | 0 | 1,409 |
| 8/23 | 1,807 | 611,989 | 100% | 0 | 1,807 |
| 8/24 | 3,198 | 615,187 | 100% | 0 | 3,198 |
| 8/25 | 1,249 | 616,436 | 100% | 0 | 1,249 |
| 8/26 | 1,419 | 617,855 | 100% | 0 | 1,419 |
| 8/27 | 1,382 | 619,237 | 100% | 0 | 1,382 |
| 8/28 | 1,356 | 620,593 | 100% | 0 | 1,356 |
| 8/29 | 1,611 | 622,204 | 100% | 0 | 1,611 |
| 8/30 | 1,412 | 623,616 | 100% | 0 | 1,412 |
| 8/31 | 1,805 | 625,421 | 100% | 0 | 1,805 |
| 9/1 | 1,396 | 626,817 | 100% | 0 | 1,396 |
| 9/2 | 1,008 | 627,825 | 100% | 0 | 1,008 |
| 9/3 | 617 | 628,442 | 100% | 0 | 617 |
| 9/4–9/15 | 12,910 | 641,352 | 100% | 0 | 12,910 |
| 9/16–9/30 | 10,257 | 651,609 | 100% | 0 | 10,257 |
| Total | 651,609 | | | 360,381 | 291,228 |

Table 5.–Sampling dates, final sample sizes, estimates of stock composition, upper and lower 90% credibility intervals, and standard deviations for samples of the escapement through the Chignik River weir in 2010–2014 using the program BAYES with a sequential prior.

| | | | Black Lake | | | | Chignik Lake | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | Stratum | n | Proportion | Lower | Upper | SD | Proportion | Lower | Upper | SD |
| 2010 | June 14 | 190 | 0.959 | 0.894 | 1.000 | 0.036 | 0.041 | 0.000 | 0.106 | 0.036 |
| | June 21 | 189 | 0.995 | 0.966 | 1.000 | 0.014 | 0.005 | 0.000 | 0.034 | 0.014 |
| | June 27 | 189 | 0.924 | 0.794 | 1.000 | 0.075 | 0.076 | 0.000 | 0.206 | 0.075 |
| | July 1 | 189 | 0.823 | 0.724 | 0.912 | 0.057 | 0.177 | 0.088 | 0.276 | 0.057 |
| | July 5 | 190 | 0.788 | 0.699 | 0.871 | 0.052 | 0.212 | 0.129 | 0.301 | 0.052 |
| | July 8-9 | 190 | 0.784 | 0.687 | 0.870 | 0.056 | 0.216 | 0.130 | 0.313 | 0.056 |
| | July 11 | 190 | 0.519 | 0.409 | 0.625 | 0.066 | 0.481 | 0.375 | 0.591 | 0.066 |
| | July 14 | 188 | 0.227 | 0.154 | 0.306 | 0.046 | 0.773 | 0.694 | 0.846 | 0.046 |
| | July 18-19 | 188 | 0.293 | 0.214 | 0.377 | 0.050 | 0.707 | 0.623 | 0.786 | 0.050 |
| | July 23 | 186 | 0.108 | 0.052 | 0.173 | 0.037 | 0.892 | 0.827 | 0.948 | 0.037 |
| | July 30 | 190 | 0.013 | 0.000 | 0.062 | 0.022 | 0.987 | 0.938 | 1.000 | 0.022 |
| 2011 | June 10 | 188 | 0.998 | 0.988 | 1.000 | 0.005 | 0.002 | 0.000 | 0.012 | 0.005 |
| | June 17 | 188 | 1.000 | 1.000 | 1.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.002 |
| | June 24 | 188 | 0.976 | 0.888 | 1.000 | 0.040 | 0.024 | 0.000 | 0.112 | 0.040 |
| | June 28 | 190 | 0.832 | 0.744 | 0.918 | 0.054 | 0.168 | 0.082 | 0.256 | 0.054 |
| | July 2 | 190 | 0.953 | 0.886 | 1.000 | 0.036 | 0.047 | 0.000 | 0.114 | 0.036 |
| | July 5 | 190 | 0.785 | 0.696 | 0.866 | 0.052 | 0.215 | 0.134 | 0.304 | 0.052 |
| | July 9-10 | 187 | 0.719 | 0.625 | 0.807 | 0.055 | 0.281 | 0.193 | 0.375 | 0.055 |
| | July 12-13 | 190 | 0.297 | 0.214 | 0.384 | 0.052 | 0.703 | 0.616 | 0.786 | 0.052 |
| | July 14 | 190 | 0.308 | 0.217 | 0.402 | 0.056 | 0.692 | 0.598 | 0.783 | 0.056 |
| | July 21 | 186 | 0.123 | 0.062 | 0.192 | 0.039 | 0.877 | 0.808 | 0.938 | 0.039 |
| | July 28 | 189 | 0.036 | 0.000 | 0.088 | 0.029 | 0.964 | 0.912 | 1.000 | 0.029 |
| 2012 | June 11 | 188 | 0.976 | 0.904 | 1.000 | 0.034 | 0.024 | 0.000 | 0.096 | 0.034 |
| | June 18 | 190 | 0.964 | 0.882 | 1.000 | 0.042 | 0.036 | 0.000 | 0.118 | 0.042 |
| | June 25 | 189 | 0.993 | 0.955 | 1.000 | 0.017 | 0.007 | 0.000 | 0.045 | 0.017 |
| | July 1 | 190 | 0.644 | 0.544 | 0.733 | 0.058 | 0.356 | 0.267 | 0.456 | 0.058 |
| | July 5 | 187 | 0.485 | 0.396 | 0.574 | 0.054 | 0.515 | 0.426 | 0.604 | 0.054 |
| | July 8-9[a] | 187 | 0.099 | 0.005 | 0.235 | 0.071 | 0.901 | 0.765 | 0.995 | 0.071 |
| | July 11 | 189 | 0.225 | 0.147 | 0.306 | 0.048 | 0.775 | 0.694 | 0.853 | 0.048 |
| | July 14 | 190 | 0.070 | 0.011 | 0.132 | 0.036 | 0.930 | 0.868 | 0.989 | 0.036 |
| | July 17 | 189 | 0.003 | 0.000 | 0.020 | 0.009 | 0.997 | 0.980 | 1.000 | 0.009 |
| | July 21 | 190 | 0.006 | 0.000 | 0.049 | 0.018 | 0.994 | 0.951 | 1.000 | 0.018 |
| | July 28 | 170 | 0.000 | 0.000 | 0.000 | 0.001 | 1.000 | 1.000 | 1.000 | 0.001 |

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Table 5.–Page 2 of 2.

| | | | Black Lake | | | | Chignik Lake | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | Stratum | n | Proportion | Lower | Upper | SD | Proportion | Lower | Upper | SD |
| 2013 | June 27 | 188 | 0.911 | 0.838 | 1.000 | 0.045 | 0.089 | 0.000 | 0.162 | 0.024 |
| | July 1 | 189 | 0.858 | 0.761 | 0.942 | 0.055 | 0.142 | 0.058 | 0.239 | 0.055 |
| | July 5 | 169 | 0.612 | 0.515 | 0.705 | 0.058 | 0.388 | 0.295 | 0.485 | 0.058 |
| | July 8-9 | 187 | 0.429 | 0.338 | 0.519 | 0.055 | 0.571 | 0.481 | 0.662 | 0.055 |
| | July 14 | 190 | 0.288 | 0.196 | 0.384 | 0.057 | 0.712 | 0.616 | 0.804 | 0.057 |
| 2014 | June 28 | 189 | 0.825 | 0.745 | 0.896 | 0.046 | 0.175 | 0.104 | 0.255 | 0.046 |
| | July 2 | 189 | 0.785 | 0.690 | 0.874 | 0.056 | 0.215 | 0.126 | 0.310 | 0.056 |
| | July 6 | 189 | 0.618 | 0.519 | 0.714 | 0.059 | 0.382 | 0.286 | 0.481 | 0.059 |
| | July 10 | 188 | 0.357 | 0.258 | 0.460 | 0.062 | 0.643 | 0.540 | 0.742 | 0.062 |
| | July 14 | 188 | 0.220 | 0.139 | 0.307 | 0.051 | 0.780 | 0.693 | 0.861 | 0.051 |
| | July 18 | 189 | 0.143 | 0.064 | 0.227 | 0.050 | 0.857 | 0.773 | 0.936 | 0.050 |

[a] Note these estimates were associated with a Gelman-Rubin shrink factor of 1.4.

Table 6.–Estimated Chignik River Chinook, coho, pink, and chum salmon, and Dolly Varden escapement, by day, 2014.

| | Chinook | | Coho | | Pink | | Chum | | Dolly Varden | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | Daily | Cumulative | Daily | Cumulative | Daily | Cumulative | Daily | Cumulative | Daily | Cumulative |
| 5/25 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5/26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 12 |
| 5/27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 5/28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 5/29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 5/30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 24 |
| 5/31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 54 |
| 6/1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 96 |
| 6/2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 126 |
| 6/3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 133 |
| 6/4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 |
| 6/5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 158 |
| 6/6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 230 |
| 6/7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 157 | 387 |
| 6/8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 561 |
| 6/9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 | 717 |
| 6/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 216 | 933 |
| 6/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 126 | 1,059 |
| 6/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 464 | 1,523 |
| 6/13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 914 | 2,437 |
| 6/14 | 6 | 6 | 0 | 0 | 0 | 0 | 1 | 1 | 1,095 | 3,532 |
| 6/15 | 6 | 12 | 0 | 0 | 0 | 0 | 0 | 1 | 1,285 | 4,817 |
| 6/16 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 1 | 1,228 | 6,045 |
| 6/17 | 24 | 36 | 0 | 0 | 0 | 0 | 0 | 1 | 868 | 6,913 |
| 6/18 | 6 | 42 | 0 | 0 | 0 | 0 | 0 | 1 | 679 | 7,592 |
| 6/19 | 18 | 60 | 0 | 0 | 0 | 0 | 0 | 1 | 1,116 | 8,708 |
| 6/20 | 6 | 66 | 0 | 0 | 0 | 0 | 0 | 1 | 474 | 9,182 |
| 6/21 | 6 | 72 | 0 | 0 | 0 | 0 | 0 | 1 | 998 | 10,180 |
| 6/22 | 18 | 90 | 0 | 0 | 0 | 0 | 0 | 1 | 2,106 | 12,286 |
| 6/23 | 13 | 103 | 0 | 0 | 0 | 0 | 0 | 1 | 1,576 | 13,862 |
| 6/24 | 24 | 127 | 0 | 0 | 0 | 0 | 0 | 1 | 864 | 14,726 |
| 6/25 | 38 | 165 | 0 | 0 | 0 | 0 | 0 | 1 | 2,373 | 17,099 |
| 6/26 | 30 | 195 | 0 | 0 | 0 | 0 | 0 | 1 | 1,507 | 18,606 |
| 6/27 | 72 | 267 | 0 | 0 | 0 | 0 | 0 | 1 | 1,891 | 20,497 |
| 6/28 | 24 | 291 | 0 | 0 | 0 | 0 | 0 | 1 | 874 | 21,371 |
| 6/29 | 48 | 339 | 0 | 0 | 0 | 0 | 0 | 1 | 1,584 | 22,955 |
| 6/30 | 66 | 405 | 0 | 0 | 7 | 7 | 0 | 1 | 1,519 | 24,474 |
| 7/1 | 60 | 465 | 0 | 0 | 0 | 7 | 0 | 1 | 1,602 | 26,076 |
| 7/2 | 96 | 561 | 0 | 0 | 0 | 7 | 0 | 1 | 571 | 26,647 |
| 7/3 | 72 | 633 | 0 | 0 | 0 | 7 | 0 | 1 | 1,053 | 27,700 |
| 7/4 | 90 | 723 | 0 | 0 | 0 | 7 | 0 | 1 | 1,158 | 28,858 |
| 7/5 | 152 | 875 | 0 | 0 | 0 | 7 | 0 | 1 | 3,350 | 32,208 |
| 7/6 | 192 | 1,067 | 0 | 0 | 0 | 7 | 0 | 1 | 1,094 | 33,302 |
| 7/7 | 132 | 1,199 | 0 | 0 | 18 | 25 | 0 | 1 | 1,273 | 34,575 |

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Table 6.–Page 2 of 3.

| | Chinook | | Coho | | Pink | | Chum | | Dolly Varden | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | Daily | Cumulative | Daily | Cumulative | Daily | Cumulative | Daily | Cumulative | Daily | Cumulative |
| 7/8 | 84 | 1,283 | 0 | 0 | 0 | 25 | 0 | 1 | 2,121 | 36,696 |
| 7/9 | 152 | 1,435 | 0 | 0 | 6 | 31 | 0 | 1 | 3,124 | 39,820 |
| 7/10 | 119 | 1,554 | 0 | 0 | 34 | 65 | 6 | 7 | 1,498 | 41,318 |
| 7/11 | 168 | 1,722 | 0 | 0 | 12 | 77 | 0 | 7 | 1,163 | 42,481 |
| 7/12 | 67 | 1,789 | 0 | 0 | 0 | 77 | 0 | 7 | 251 | 42,732 |
| 7/13 | 90 | 1,879 | 0 | 0 | 0 | 77 | 0 | 7 | 270 | 43,002 |
| 7/14 | 55 | 1,934 | 0 | 0 | 6 | 83 | 6 | 13 | 230 | 43,232 |
| 7/15 | 36 | 1,970 | 0 | 0 | 0 | 83 | 0 | 13 | 216 | 43,448 |
| 7/16 | 24 | 1,994 | 0 | 0 | 0 | 83 | 0 | 13 | 78 | 43,526 |
| 7/17 | 120 | 2,114 | 0 | 0 | 0 | 83 | 0 | 13 | 96 | 43,622 |
| 7/18 | 76 | 2,190 | 0 | 0 | 1 | 84 | 1 | 14 | 43 | 43,665 |
| 7/19 | 122 | 2,312 | 0 | 0 | 12 | 96 | 0 | 14 | 128 | 43,793 |
| 7/20 | 85 | 2,397 | 0 | 0 | 0 | 96 | 0 | 14 | 242 | 44,035 |
| 7/21 | 78 | 2,475 | 0 | 0 | 0 | 96 | 6 | 20 | 126 | 44,161 |
| 7/22 | 18 | 2,493 | 0 | 0 | 18 | 114 | 0 | 20 | 102 | 44,263 |
| 7/23 | 59 | 2,552 | 0 | 0 | 8 | 122 | 0 | 20 | 26 | 44,289 |
| 7/24 | 57 | 2,609 | 0 | 0 | 6 | 128 | 0 | 20 | 36 | 44,325 |
| 7/25 | 19 | 2,628 | 0 | 0 | 12 | 140 | 0 | 20 | 15 | 44,340 |
| 7/26 | 2 | 2,630 | 0 | 0 | 31 | 171 | 0 | 20 | 49 | 44,389 |
| 7/27 | 42 | 2,672 | 0 | 0 | 42 | 213 | 6 | 26 | 36 | 44,425 |
| 7/28 | 14 | 2,686 | 0 | 0 | 25 | 238 | 0 | 26 | 8 | 44,433 |
| 7/29 | 30 | 2,716 | 0 | 0 | 36 | 274 | 0 | 26 | 12 | 44,445 |
| 7/30 | 6 | 2,722 | 0 | 0 | 9 | 283 | 0 | 26 | 6 | 44,451 |
| 7/31 | 13 | 2,735 | 0 | 0 | 12 | 295 | 0 | 26 | 24 | 44,475 |
| 8/1 | 7 | 2,742 | 0 | 0 | 0 | 295 | 0 | 26 | 24 | 44,499 |
| 8/2 | 13 | 2,755 | 0 | 0 | 8 | 303 | 0 | 26 | 25 | 44,524 |
| 8/3 | 6 | 2,761 | 0 | 0 | 18 | 321 | 0 | 26 | 12 | 44,536 |
| 8/4 | 16 | 2,777 | 0 | 0 | 10 | 331 | 0 | 26 | 12 | 44,548 |
| 8/5 | 14 | 2,791 | 0 | 0 | 165 | 496 | 1 | 27 | 24 | 44,572 |
| 8/6 | 0 | 2,791 | 0 | 0 | 49 | 545 | 0 | 27 | 6 | 44,578 |
| 8/7 | 8 | 2,799 | 6 | 6 | 7 | 552 | 0 | 27 | 1 | 44,579 |
| 8/8 | 0 | 2,799 | 0 | 6 | 72 | 624 | 0 | 27 | 0 | 44,579 |
| 8/9 | 9 | 2,808 | 1 | 7 | 14 | 638 | 0 | 27 | 6 | 44,585 |
| 8/10 | 12 | 2,820 | 0 | 7 | 62 | 700 | 0 | 27 | 18 | 44,603 |
| 8/11 | 18 | 2,838 | 7 | 14 | 138 | 838 | 7 | 34 | 12 | 44,615 |
| 8/12 | 6 | 2,844 | 0 | 14 | 43 | 881 | 0 | 34 | 0 | 44,615 |
| 8/13 | 6 | 2,850 | 12 | 26 | 187 | 1,068 | 0 | 34 | 0 | 44,615 |
| 8/14 | 12 | 2,862 | 24 | 50 | 204 | 1,272 | 6 | 40 | 24 | 44,639 |
| 8/15 | 19 | 2,881 | 31 | 81 | 181 | 1,453 | 1 | 41 | 12 | 44,651 |
| 8/16 | 0 | 2,881 | 44 | 125 | 214 | 1,667 | 2 | 43 | 36 | 44,687 |
| 8/17 | 6 | 2,887 | 31 | 156 | 242 | 1,909 | 7 | 50 | 12 | 44,699 |
| 8/18 | 0 | 2,887 | 48 | 204 | 103 | 2,012 | 1 | 51 | 0 | 44,699 |
| 8/19 | 0 | 2,887 | 30 | 234 | 162 | 2,174 | 0 | 51 | 12 | 44,711 |
| 8/20 | 0 | 2,887 | 79 | 313 | 278 | 2,452 | 0 | 51 | 12 | 44,723 |

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Table 6.–Page 3 of 3.

| | Chinook | | Coho | | Pink | | Chum | | Dolly Varden | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | Daily | Cumulative | Daily | Cumulative | Daily | Cumulative | Daily | Cumulative | Daily | Cumulative |
| 8/21 | 0 | 2,887 | 145 | 458 | 121 | 2,573 | 0 | 51 | 0 | 44,723 |
| 8/22 | 0 | 2,887 | 186 | 644 | 94 | 2,667 | 0 | 51 | 0 | 44,723 |
| 8/23 | 0 | 2,887 | 597 | 1,241 | 90 | 2,757 | 0 | 51 | 13 | 44,736 |
| 8/24 | 2 | 2,889 | 751 | 1,992 | 56 | 2,813 | 1 | 52 | 6 | 44,742 |
| 8/25 | 0 | 2,889 | 588 | 2,580 | 56 | 2,869 | 0 | 52 | 12 | 44,754 |
| 8/26 | 0 | 2,889 | 761 | 3,341 | 67 | 2,936 | 0 | 52 | 13 | 44,767 |
| 8/27 | 6 | 2,895 | 934 | 4,275 | 63 | 2,999 | 0 | 52 | 12 | 44,779 |
| 8/28 | 0 | 2,895 | 1,209 | 5,484 | 45 | 3,044 | 0 | 52 | 6 | 44,785 |
| 8/29 | 0 | 2,895 | 1,217 | 6,701 | 38 | 3,082 | 0 | 52 | 18 | 44,803 |
| 8/30 | 0 | 2,895 | 1,346 | 8,047 | 18 | 3,100 | 0 | 52 | 18 | 44,821 |
| 8/31 | 0 | 2,895 | 2,035 | 10,082 | 13 | 3,113 | 0 | 52 | 12 | 44,833 |
| 9/1 | 0 | 2,895 | 1,680 | 11,762 | 24 | 3,137 | 0 | 52 | 6 | 44,839 |
| 9/2 | 0 | 2,895 | 2,269 | 14,031 | 32 | 3,169 | 6 | 58 | 48 | 44,887 |
| 9/3 | 0 | 2,895 | 1,541 | 15,572 | 2 | 3,171 | 0 | 58 | 12 | 44,899 |
| 9/4–9/26[a] | 0 | 2,895 | 93,383 | 108,955 | 0 | 3,171 | 0 | 58 | 0 | 44,899 |
| Total | | 2,895 | | 108,955 | | 3,171 | | 58 | | 44,899 |

[a] A post weir estimate for coho salmon from 9/4–9/26 was done using DIDSON sonar.

Table 7.–Estimated Chignik River Chinook, coho, pink, and chum salmon, and Dolly Varden escapement, 1980 through 2014.

| | Escapement [a] | | | | |
|---|---|---|---|---|---|
| Year | Chinook [b] | Coho [c] | Pink [c] | Chum [c] | Dolly Varden |
| 1980 | 876 | ND | ND | ND | ND |
| 1981 | 1,603 | ND | ND | ND | ND |
| 1982 | 2,412 | ND | ND | ND | ND |
| 1983 | 1,943 | ND | ND | ND | ND |
| 1984 | 5,806 | ND | ND | ND | ND |
| 1985 | 3,144 | ND | ND | ND | ND |
| 1986 | 3,612 | ND | ND | ND | ND |
| 1987 | 2,624 | ND | ND | ND | ND |
| 1988 | 4,868 | ND | ND | ND | ND |
| 1989 | 3,316 | ND | ND | ND | ND |
| 1990 | 4,364 | ND | ND | ND | ND |
| 1991 | 4,531 | ND | ND | ND | ND |
| 1992 | 3,806 | ND | ND | ND | ND |
| 1993 | 1,946 | ND | ND | ND | ND |
| 1994 | 2,963 | ND | ND | ND | ND |
| 1995 | 4,288 | ND | ND | ND | ND |
| 1996 | 3,488 | 16,843 | 6,030 | 136 | 54,726 |
| 1997 | 3,824 | 10,810 | 4,880 | 483 | 26,657 |
| 1998 | 3,075 | 14,124 | 11,490 | 156 | 15,235 |
| 1999 | 3,728 | 2,414 | 2,524 | 48 | 15,025 |
| 2000 | 4,285 | 7,062 | 4,284 | 48 | ND |
| 2001 | 3,028 | 103 | 1,464 | 66 | 6,416 |
| 2002 | 3,541 | 9,262 | 3,417 | 67 | 8,179 |
| 2003 | 6,412 | 7,635 | 1,897 | 68 | 36,397 |
| 2004 | 7,840 | 18,810 | 2,243 | 276 | 20,086 |
| 2005 | 6,486 | 18,206 | 13,637 | 408 | 13,940 |
| 2006 | 3,535 | 37,113 | 18,401 | 99 | 2,031 |
| 2007 | 2,000 | 10,299 | 20,464 | 118 | 6,993 |
| 2008 | 1,730 | 13,958 | 22,341 | 124 | 14,776 |
| 2009 | 1,680 | 7,670 | 12,873 | 109 | 8,618 |
| 2010 | 3,679 | 5,152 | 3,670 | 95 | 17,578 |
| 2011 | 2,728 | 5,293 | 16,298 | 145 | 14,133 |
| 2012 | 1,449 | 2,663 | 2,849 | 73 | 18,032 |
| 2013 | 1,253 | 16,783 | 7,231 | 72 | 17,230 |
| 2014 | 2,895 | 108,955 | 3,171 | 58 | 44,899 |
| Averages | | | | | |
| 1994–2013 | 3,551 | 11,344 | 8,666 | 144 | 17,415 |
| 2004–2013 | 3,238 | 13,595 | 12,001 | 152 | 13,342 |
| 2009–2013 | 2,158 | 7,512 | 8,584 | 99 | 15,118 |

[a] A video monitoring system was installed at the Chignik weir in 1994.

[b] No escapement adjustments are made for Chinook salmon that spawn below the weir, or those removed by the sport fishery. Only Chinook salmon larger than approximately 650 mm were enumerated for escapement estimates from 1980 to 1993.

[c] No reliable escapement (ND) estimates were generated for pink, chum, or coho salmon or Dolly Varden from 1980 to 1996. No post-weir estimates are reported here for these species.

Table 8.–Total Chignik River sockeye salmon escapement and escapement goals, based on post-season analysis, by run, 1980 through 2014.

| Year | Early run | Late run | Total |
|---|---|---|---|
| 1980 | 311,332 | 352,729 | 664,061 |
| 1981 | 438,540 | 392,909 | 831,449 |
| 1982 | 616,117 | 221,601 | 837,718 |
| 1983 | 426,177 | 409,458 | 835,635 |
| 1984 | 597,712 | 267,862 | 865,574 |
| 1985 | 376,576 | 369,262 | 745,838 |
| 1986 | 566,088 | 207,231 | 773,319 |
| 1987 | 589,291 | 214,452 | 803,743 |
| 1988 | 420,577 | 255,180 | 675,757 |
| 1989 | 384,004 | 557,171 | 941,175 |
| 1990 | 434,543 | 335,867 | 770,410 |
| 1991 | 672,871 | 367,227 | 1,040,098 |
| 1992 | 360,681 | 405,922 | 766,603 |
| 1993 | 364,261 | 333,116 | 697,377 |
| 1994 | 769,462 | 197,447 | 966,909 |
| 1995 | 366,163 | 373,757 | 739,920 |
| 1996 | 464,461 | 284,676 | 749,137 |
| 1997 | 396,667 | 378,951 | 775,618 |
| 1998 | 410,659 | 290,469 | 701,128 |
| 1999 | 457,429 | 258,537 | 715,966 |
| 2000 | 536,141 | 269,084 | 805,225 |
| 2001 | 744,013 | 392,905 | 1,136,918 |
| 2002 | 380,701 | 343,616 | 724,317 |
| 2003 | 350,004 | 334,119 | 684,123 |
| 2004 | 363,800 | 214,459 | 578,259 |
| 2005 | 355,091 | 225,366 | 580,457 |
| 2006 | 366,497 | 368,996 | 735,493 |
| 2007 | 361,091 | 293,883 | 654,974 |
| 2008 | 377,579 | 328,479 | 706,058 |
| 2009 | 391,476 | 328,586 | 720,062 |
| 2010 | 432,535 | 311,291 | 743,826 |
| 2011 | 488,930 | 264,887 | 753,817 |
| 2012 | 353,441 | 358,948 | 712,389 |
| 2013 | 386,782 | 369,319 | 756,101 |
| 2014 | 360,381 | 291,228 | 651,609 |
| Year | Early run | Late run | Total |
| SEG | 350,000–450,000 | 250,000–400,000 | 600,000–850,000 |
| Averages | | | |
| 1994–2013 | 437,646 | 309,389 | 747,035 |
| 2004–2013 | 387,722 | 306,421 | 694,144 |
| 2009–2013 | 410,633 | 326,606 | 737,239 |

Table 9.–Peak sockeye salmon aerial survey escapement estimates for Black Lake tributaries, 1980 through 2014.

| Year | Fan Creek | Milk Creek | Boulevard Creek | Alec River | Conglomerate Creek | Broad Creek | Total |
|---|---|---|---|---|---|---|---|
| 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 | ND | ND | ND | ND | ND | ND | - |
| 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 | ND | 2,000 | 13,000 | 97,100 |
| 1992 | ND | ND | ND | 392,000 | ND | ND | 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 |
| 2002 | 43,000 | ND | 20,000 | 21,000 | 11,000 | 7,000 | 102,000 |
| 2003 | 17,600 | 400 | 2,500 | 188,000 | ND | 1,000 | 209,500 |
| 2004 | 4,290 | 1,490 | 15,560 | 137,700 | 200 | ND | 159,240 |
| 2005 | 4,300 | ND | ND | ND | 7,700 | ND | 12,000 |
| 2006 | 16,000 | 500 | 15,500 | 46,700 | 2,500 | 19,800 | 101,000 |
| 2007 | 40,200 | 8,800 | 23,600 | 199,000 | 4,000 | 1,000 | 276,600 |
| 2008 | 44,000 | 7,600 | 34,800 | 208,000 | 6,600 | 3,200 | 304,200 |
| 2009 | 34,500 | 11,500 | 40,500 | 182,500 | 5,000 | 2,100 | 276,100 |
| 2010 | 10,000 | 1,700 | 24,000 | 100,000 | 2,100 | 7,000 | 144,800 |
| 2011 | 45,000 | 5,000 | 65,000 | 215,000 | 12,000 | ND | 342,000 |
| 2012 | 47,000 | 4,000 | 55,000 | 80,000 | 5,000 | 5,000 | 196,000 |
| 2013 | 25,000 | ND | 3,000 | 250,000 | 0 | 0 | 278,000 |
| 2014 | 28,400 | ND | 41,000 | 210,000 | 6,600 | 41,000 | 327,000 |
| Averages | | | | | | | |
| 1994–2013 | 40,095 | 10,299 | 59,182 | 165,100 | 11,268 | 28,712 | 297,027 |
| 2004–2013 | 27,029 | 5,074 | 30,773 | 157,656 | 4,510 | 5,443 | 208,994 |
| 2009–2013 | 32,300 | 5,550 | 37,500 | 165,500 | 4,820 | 3,525 | 247,380 |

Table 10.–Peak sockeye salmon aerial survey escapement estimates for Chignik Lake and Black River tributaries, 1980 through 2014.

| | Black River | | | | Chignik Lake | | | |
|---|---|---|---|---|---|---|---|---|
| Year | Bearskin Creek | West Fork | Chiaktuak Creek | Total | Clark River | Home Creek | Hatchery Beach | Total |
| 1980 | 3,600 | 33,000 | 40,400 | 77,000 | ND | ND | ND | - |
| 1981 | 950 | 1,500 | 18,700 | 21,150 | ND | ND | ND | - |
| 1982 | 1,066 | 10,791 | 5,000 | 16,857 | ND | ND | ND | - |
| 1983 | ND | ND | 6,000 | 6,000 | ND | ND | ND | - |
| 1984 | ND | ND | 8,200 | 8,200 | ND | ND | ND | - |
| 1985 | 350 | 450 | 1,200 | 2,000 | ND | ND | ND | - |
| 1986 | ND | ND | 8,300 | 8,300 | ND | ND | ND | - |
| 1987 | ND | ND | 1,000 | 1,000 | ND | ND | ND | - |
| 1988 | ND | ND | 4,600 | 4,600 | ND | ND | ND | - |
| 1989 | ND | ND | 2,100 | 2,100 | ND | ND | ND | - |
| 1990 | 300 | 0 | 50 | 350 | ND | ND | ND | - |
| 1991 | ND | ND | ND | - | ND | ND | ND | - |
| 1992 | ND | ND | ND | - | ND | ND | ND | - |
| 1993 | ND | ND | 16,000 | 16,000 | ND | ND | ND | - |
| 1994 | 5,000 | ND | 31,000 | 36,000 | 18,000 | 9,200 | ND | 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 | ND | ND | 9,500 | 9,500 | 23,000 | 11,000 | 25,000 | 59,000 |
| 2002 | ND | 15,000 | 2,300 | 17,300 | ND | ND | ND | - |
| 2003 | ND | ND | 2,000 | 2,000 | ND | ND | ND | - |
| 2004 | 100 | 600 | 750 | 1,450 | 2,500 | 2,000 | ND | 4,500 |
| 2005 | 900 | 900 | 5,100 | 6,900 | ND | ND | ND | - |
| 2006 | 1,400 | 3,500 | 6,200 | 11,100 | 13,500 | 3,000 | 3,000 | 19,500 |
| 2007 | 400 | 14,500 | 30,300 | 45,200 | 59,000 | 9,800 | 65,000 | 133,800 |
| 2008 | 13,500 | 18,000 | 39,600 | 71,100 | 39,500 | 12,300 | 106,000 | 157,800 |
| 2009 | 600 | 11,100 | 21,800 | 33,500 | 13,000 | 3,500 | ND | 16,500 |
| 2010 | 1,700 | 3,500 | 5,800 | 11,000 | 7,600 | 0 | 31,000 | 38,600 |
| 2011 | 1,000 | 11,000 | 11,000 | 23,000 | 35,000 | 2,000 | 28,000 | 65,000 |
| 2012 | 150 | 750 | 7,500 | 8,400 | 57,000 | 2,500 | 170,000 | 229,500 |
| 2013 | 100 | 1,100 | 15,000 | 18,213 | 55,800 | 2,300 | 30,000 | 88,100 |
| 2014 | 3,100 | 12,400 | 41,200 | 56,700 | 24,900 | 3,800 | 102,000 | 130,700 |
| Averages | | | | | | | | |
| 1994–2013 | 3,432 | 13,009 | 15,773 | 29,848 | 24,847 | 6,142 | 56,571 | 77,578 |
| 2004–2013 | 1,985 | 6,495 | 14,305 | 22,986 | 31,433 | 4,156 | 61,857 | 83,700 |
| 2009–2013 | 710 | 5,490 | 12,220 | 18,823 | 33,680 | 2,060 | 64,750 | 87,540 |

Table 11.–Estimated pink salmon escapement and objectives in the Chignik Management Area, by district and year, 1980 through 2014.

| | District[b] | | | | | |
|---|---|---|---|---|---|---|
| Year[a] | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 1980 | 3,000 | 99,400 | 425,500 | 139,500 | 74,800 | 742,200 |
| 1981 | 1,400 | 76,500 | 154,700 | 249,300 | 116,000 | 597,900 |
| 1982 | 2,400 | 26,100 | 301,500 | 45,900 | 13,400 | 389,300 |
| 1983 | 1,000 | 11,000 | 46,300 | 36,000 | 64,500 | 158,800 |
| 1984 | 123,200 | 94,000 | 486,500 | 188,000 | 109,800 | 1,001,500 |
| 1985 | ND | 7,400 | 212,100 | 67,500 | 235,200 | 522,200 |
| 1986 | ND | 121,900 | 580,700 | 43,800 | 180,500 | 926,900 |
| 1987 | ND | 65,700 | 215,600 | 38,300 | 65,700 | 385,300 |
| 1988 | 22,400 | 216,400 | 1,005,400 | 232,400 | 181,300 | 1,657,900 |
| 1989 | 13,500 | 215,000 | 881,000 | 57,900 | 267,400 | 1,434,800 |
| 1990 | 6,000 | 131,900 | 811,400 | 44,300 | 88,400 | 1,082,000 |
| 1991 | 12,200 | 201,100 | 125,000 | 96,800 | 343,500 | 778,600 |
| 1992 | 55,800 | 223,800 | 1,318,100 | 38,800 | 190,400 | 1,826,900 |
| 1993 | 2,000 | 160,900 | 524,700 | 45,800 | 448,400 | 1,181,800 |
| 1994 | 75,800 | 178,900 | 863,300 | 111,600 | 153,900 | 1,383,500 |
| 1995 | 180,500 | 715,500 | 1,399,300 | 554,700 | 582,100 | 3,432,100 |
| 1996 | 43,100 | 237,100 | 1,059,600 | 220,800 | 395,700 | 1,956,300 |
| 1997 | 59,400 | 594,600 | 1,287,700 | 306,300 | 221,500 | 2,469,500 |
| 1998 | 24,400 | 210,900 | 1,273,200 | 150,400 | 222,800 | 1,881,700 |
| 1999 | 37,300 | 374,300 | 615,100 | 137,900 | 179,700 | 1,344,300 |
| 2000 | 27,400 | 146,100 | 810,700 | 130,100 | 98,700 | 1,213,000 |
| 2001 | 19,700 | 460,400 | 1,470,200 | 263,000 | 150,200 | 2,363,500 |
| 2002 | 16,917 | 85,755 | 777,710 | 85,501 | 62,170 | 1,028,053 |
| 2003 | 143,897 | 576,510 | 1,408,060 | 117,650 | 99,500 | 2,345,617 |
| 2004 | 27,300 | 257,000 | 601,900 | 94,340 | 134,320 | 1,114,860 |
| 2005 | 160,000 | 473,400 | 512,350 | 257,500 | 188,600 | 1,591,850 |
| 2006 | 27,401 | 36,175 | 195,950 | 31,800 | 83,500 | 374,826 |
| 2007 | 62,464 | 291,800 | 565,800 | 113,000 | 184,000 | 1,217,064 |
| 2008 | 69,841 | 117,650 | 402,880 | 99,460 | 173,200 | 863,031 |
| 2009 | 28,973 | 130,700 | 462,840 | 130,100 | 116,450 | 869,063 |
| 2010 | 8,020 | 52,650 | 228,500 | 22,000 | 19,400 | 330,570 |

-continued-

Table 11.–Page 2 of 2.

| Year[a] | District[b] Chignik Bay | Central | Eastern | Western | Perryville | Total |
|---|---|---|---|---|---|---|
| 2011 | 32,348 | 223,500 | 504,000 | 86,650 | 139,750 | 986,248 |
| 2012 | 11,849 | 63,950 | 155,500 | 35,700 | 35,700 | 302,699 |
| 2013 | 24,131 | 223,900 | 411,060 | 63,200 | 141,700 | 863,991 |
| 2014 | 7,669 | 30,500 | 132,050 | 46,850 | 18,090 | 235,159 |
| Even Year SEG | | | | | | 200,000– 600,000 |
| Averages | | | | | | |
| 1994–2013 | 54,037 | 272,540 | 750,283 | 150,585 | 169,145 | 1,396,589 |
| 2004–2013 | 45,233 | 187,073 | 404,078 | 93,375 | 121,662 | 851,420 |
| 2009–2013 | 21,064 | 138,940 | 352,380 | 67,530 | 90,600 | 670,514 |
| Even Year Averages | | | | | | |
| 1994–2012 | 33,203 | 138,618 | 636,924 | 98,170 | 137,939 | 1,044,854 |
| 2004–2012 | 28,882 | 105,485 | 316,946 | 56,660 | 89,224 | 597,197 |
| 2008–2012 | 29,903 | 78,083 | 262,293 | 52,387 | 76,100 | 498,767 |

[a] From 1984 to 2003 aerial survey escapement estimates were computed by area-under-the-curve methods using a 15.0-day average stream life (Johnson and Barrett 1988). Starting in 2004, estimates were computed using peak counts (Witteveen et al. 2005).

[b] All estimates were via aerial survey, with the exception of Chignik River, which was included in the Chignik Bay District estimate.

Table 12.–Estimated chum salmon escapement and objectives in the Chignik Management Area, by district and year, 1980 through 2014.

| | District[a] | | | | | |
|---|---|---|---|---|---|---|
| Year[b] | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 1980 | 300 | 34,200 | 107,000 | 56,500 | 29,100 | 227,100 |
| 1981 | 500 | 26,100 | 126,000 | 70,300 | 19,300 | 242,200 |
| 1982 | 1,400 | 49,400 | 145,400 | 35,400 | 23,600 | 255,200 |
| 1983 | 100 | 17,000 | 50,200 | 20,100 | 8,200 | 95,600 |
| 1984 | 300 | 35,400 | 214,700 | 73,800 | 46,000 | 370,200 |
| 1985 | 0 | 9,600 | 4,900 | 34,600 | 12,900 | 62,000 |
| 1986 | 0 | 31,000 | 8,500 | 5,300 | 7,700 | 52,500 |
| 1987 | 100 | 17,500 | 38,300 | 19,700 | 9,800 | 85,400 |
| 1988 | 15,300 | 55,800 | 221,900 | 27,400 | 41,400 | 361,800 |
| 1989 | 4,200 | 34,700 | 74,300 | 7,400 | 15,900 | 136,500 |
| 1990 | 1,500 | 28,000 | 139,700 | 28,800 | 55,800 | 253,800 |
| 1991 | 0 | 18,000 | 70,400 | 38,100 | 343,200 | 469,700 |
| 1992 | 100 | 173,100 | 306,900 | 53,300 | 40,300 | 573,700 |
| 1993 | 300 | 39,400 | 135,200 | 14,000 | 66,800 | 255,700 |
| 1994 | 1,500 | 102,600 | 129,200 | 23,000 | 126,000 | 382,300 |
| 1995 | 10,300 | 44,500 | 112,800 | 45,700 | 134,600 | 347,900 |
| 1996 | 16,400 | 45,100 | 130,500 | 44,500 | 132,000 | 368,500 |
| 1997 | 18,500 | 65,700 | 290,000 | 60,500 | 152,800 | 587,500 |
| 1998 | 4,500 | 32,000 | 97,700 | 30,600 | 214,500 | 379,300 |
| 1999 | 2,300 | 32,400 | 167,100 | 16,300 | 117,300 | 335,400 |
| 2000 | 100 | 22,700 | 216,000 | 12,700 | 51,900 | 303,400 |
| 2001 | 4,100 | 36,500 | 406,900 | 35,500 | 67,800 | 550,800 |
| 2002 | 67 | 11,615 | 174,850 | 17,082 | 32,020 | 235,634 |
| 2003 | 899 | 43,191 | 152,854 | 39,050 | 64,331 | 300,325 |
| 2004 | 376 | 30,310 | 277,240 | 3,100 | 38,492 | 349,518 |
| 2005 | 30,000 | 159,100 | 36,350 | 22,000 | 61,250 | 308,700 |
| 2006 | 1,099 | 3,450 | 53,940 | 6,000 | 29,000 | 93,489 |
| 2007 | 6,118 | 25,200 | 58,000 | 26,500 | 122,280 | 238,098 |
| 2008 | 17,624 | 17,850 | 57,120 | 21,240 | 83,425 | 197,259 |
| 2009 | 10,809 | 20,550 | 138,900 | 9,200 | 35,500 | 214,959 |
| 2010 | 1,095 | 17,000 | 60,525 | 19,400 | 79,200 | 177,220 |
| 2011 | 4,145 | 32,500 | 177,000 | 9,000 | 55,500 | 278,145 |
| 2012 | 1,173 | 35,000 | 103,000 | 25,500 | 46,300 | 210,973 |
| 2013 | 672 | 53,600 | 63,935 | 20,200 | 197,500 | 335,907 |
| 2014 | 658 | 21,100 | 27,620 | 11,800 | 40,200 | 101,378 |
| Area Management Goal | | | | | | 57,400 |
| Averages | | | | | | |
| 1994–2013 | 6,589 | 41,543 | 145,196 | 24,354 | 92,085 | 309,766 |
| 2004–2013 | 7,311 | 39,456 | 102,601 | 16,214 | 74,845 | 240,427 |
| 2009–2013 | 3,579 | 31,730 | 108,672 | 16,660 | 82,800 | 243,441 |

[a] From 1984 to 2003 aerial survey escapement estimates were computed by area-under-the-curve methods using a 15.0-day average stream life (Johnson and Barrett 1988). Starting in 2004, estimates were computed using peak counts (Witteveen et al. 2005).

[b] All estimates were via aerial survey, with the exception of Chignik River, which was included in the Chignik Bay District estimate.

Table 13.–Total commercial salmon harvests (including home pack and the department's test fishery harvests) from the Chignik Management Area by species and year, 1980 through 2014.

| Year | Permits making deliveries | Landings | Chignik management area harvest | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1980 | 104 | 3,134 | 2,344 | 859,966 | 119,573 | 1,093,184 | 252,521 | 2,327,588 |
| 1981 | 105 | 4,222 | 2,694 | 1,839,469 | 78,805 | 1,162,613 | 580,332 | 3,663,913 |
| 1982 | 103 | 3,606 | 5,236 | 1,521,686 | 300,273 | 873,384 | 390,096 | 3,090,675 |
| 1983 | 102 | 4,357 | 5,488 | 1,824,175 | 61,927 | 321,178 | 159,412 | 2,372,180 |
| 1984 | 100 | 3,927 | 4,318 | 2,660,619 | 110,128 | 444,804 | 63,303 | 3,283,172 |
| 1985 | 107 | 3,392 | 1,887 | 921,502 | 191,162 | 160,128 | 22,805 | 1,297,484 |
| 1986 | 102 | 4,178 | 3,037 | 1,645,834 | 116,633 | 647,125 | 176,640 | 2,589,269 |
| 1987 | 104 | 3,856 | 2,651 | 1,898,838 | 150,414 | 246,775 | 127,261 | 2,425,939 |
| 1988 | 102 | 3,895 | 7,296 | 795,841 | 370,420 | 2,997,159 | 267,775 | 4,438,491 |
| 1989 | 101 | 3,183 | 3,542 | 1,159,287 | 68,233 | 27,712 | 1,624 | 1,260,398 |
| 1990 | 102 | 5,405 | 9,901 | 2,093,650 | 130,131 | 550,008 | 270,004 | 3,053,694 |
| 1991 | 103 | 3,856 | 3,157 | 1,895,665 | 165,625 | 1,169,248 | 261,096 | 3,494,791 |
| 1992 | 102 | 4,172 | 10,832 | 1,277,449 | 310,943 | 1,554,073 | 222,134 | 3,375,431 |
| 1993 | 103 | 4,241 | 19,515 | 1,697,351 | 229,459 | 1,648,377 | 122,360 | 3,717,062 |
| 1994 | 100 | 3,707 | 3,919 | 1,618,973 | 237,204 | 431,063 | 227,276 | 2,518,435 |
| 1995 | 101 | 5,113 | 5,493 | 1,724,045 | 281,518 | 2,057,998 | 380,954 | 4,450,008 |
| 1996 | 101 | 4,565 | 3,145 | 1,958,393 | 193,246 | 189,068 | 120,891 | 2,464,743 |
| 1997 | 100 | 3,394 | 3,120 | 770,347 | 90,908 | 844,431 | 155,905 | 1,864,711 |
| 1998 | 86 | 3,348 | 4,503 | 1,054,439 | 129,539 | 776,988 | 128,996 | 2,094,465 |
| 1999 | 91 | 4,382 | 3,507 | 3,116,527 | 89,610 | 1,698,651 | 140,597 | 5,048,892 |
| 2000 | 100 | 3,268 | 2,612 | 1,775,225 | 123,222 | 428,064 | 120,957 | 2,450,080 |
| 2001 | 93 | 2,906 | 2,939 | 1,511,587 | 131,448 | 1,281,767 | 199,003 | 3,126,744 |
| 2002 | 42 | 2,432 | 1,521 | 1,050,553 | 49,372 | 66,050 | 54,559 | 1,222,055 |
| 2003 | 44 | 2,073 | 3,068 | 1,100,297 | 103,896 | 502,638 | 64,044 | 1,773,943 |
| 2004 | 33 | 1,346 | 2,520 | 704,652 | 37 | 2,380 | 505 | 710,094 |
| 2005 | 97 | 1,669 | 3,408 | 1,152,133 | 6,956 | 194,045 | 8,821 | 1,365,363 |
| 2006 | 49 | 2,066 | 2,256 | 902,709 | 39,221 | 383,574 | 61,630 | 1,389,390 |
| 2007 | 56 | 2,101 | 1,773 | 834,547 | 73,277 | 2,019,748 | 78,553 | 3,007,898 |
| 2008 | 55 | 2,217 | 970 | 687,270 | 161,536 | 2,389,958 | 209,325 | 3,449,059 |
| 2009 | 56 | 2,172 | 3,319 | 1,198,105 | 110,373 | 1,408,339 | 256,425 | 2,976,561 |
| 2010 | 66 | 2,532 | 10,380 | 1,379,785 | 159,198 | 489,781 | 581,329 | 2,620,473 |
| 2011 | 65 | 2,617 | 6,586 | 2,497,004 | 76,792 | 905,166 | 269,503 | 3,755,051 |
| 2012 | 70 | 2,915 | 3,687 | 1,800,121 | 33,316 | 137,706 | 171,112 | 2,145,942 |
| 2013 | 77 | 3,144 | 2,959 | 2,398,066 | 32,282 | 871,597 | 154,679 | 3,459,583 |
| 2014 | 71 | 1,521 | 8,846 | 620,339 | 132,459 | 352,115 | 55,152 | 1,168,911 |
| Averages | | | | | | | | |
| 1994–2013 | 74 | 2,898 | 3,584 | 1,461,739 | 106,148 | 853,951 | 169,253 | 2,594,675 |
| 2004–2013 | 62 | 2,278 | 3,786 | 1,355,439 | 69,299 | 880,229 | 179,188 | 2,487,941 |
| 2009–2013 | 67 | 2,676 | 5,386 | 1,854,616 | 82,392 | 762,518 | 286,610 | 2,991,522 |

Table 14.–Annual Chignik Management Area Chinook salmon harvest, 1980 through 2014.

| | Test fish | | Commercial catch | | Home pack | | Total | |
|---|---|---|---|---|---|---|---|---|
| Year | Number | Pounds | Number | Pounds | Number | Pounds[a] | Number | Pounds |
| 1980 | ND | ND | 2,344 | 32,255 | ND | ND | 2,344 | 32,255 |
| 1981 | ND | ND | 2,694 | 50,832 | ND | ND | 2,694 | 50,832 |
| 1982 | ND | ND | 5,236 | 59,753 | ND | ND | 5,236 | 59,753 |
| 1983 | ND | ND | 5,488 | 96,159 | ND | ND | 5,488 | 96,159 |
| 1984 | ND | ND | 4,318 | 99,567 | ND | ND | 4,318 | 99,567 |
| 1985 | 10 | 249 | 1,877 | 44,625 | ND | ND | 1,887 | 44,874 |
| 1986 | ND | ND | 3,037 | 66,772 | ND | ND | 3,037 | 66,772 |
| 1987 | 0 | 0 | 2,651 | 49,482 | ND | ND | 2,651 | 49,482 |
| 1988 | 0 | 0 | 7,296 | 128,880 | ND | ND | 7,296 | 128,880 |
| 1989 | 0 | 0 | 3,542 | 76,698 | ND | ND | 3,542 | 76,698 |
| 1990 | 0 | 0 | 9,901 | 134,265 | ND | ND | 9,901 | 134,265 |
| 1991 | 3 | 37 | 3,154 | 66,666 | ND | ND | 3,157 | 66,703 |
| 1992 | 2 | 8 | 10,830 | 138,082 | ND | ND | 10,832 | 138,090 |
| 1993 | 14 | 65 | 19,501 | 234,188 | ND | ND | 19,515 | 234,253 |
| 1994 | 16 | 245 | 3,903 | 71,620 | ND | ND | 3,919 | 71,865 |
| 1995 | 0 | 0 | 5,261 | 111,187 | 232 | 4,903 | 5,493 | 116,090 |
| 1996 | 0 | 0 | 3,105 | 62,603 | 40 | 806 | 3,145 | 63,409 |
| 1997 | 7 | 149 | 3,025 | 47,075 | 88 | 1,369 | 3,120 | 48,593 |
| 1998 | 21 | 450 | 4,374 | 66,080 | 108 | 1,632 | 4,503 | 68,162 |
| 1999 | 0 | 0 | 3,296 | 56,706 | 211 | 3,630 | 3,507 | 60,336 |
| 2000 | 0 | 0 | 2,592 | 34,757 | 20 | 268 | 2,612 | 35,025 |
| 2001 | 4 | 120 | 2,845 | 39,252 | 90 | 1,242 | 2,939 | 40,614 |
| 2002 | 3 | 25 | 1,441 | 13,725 | 77 | 733 | 1,521 | 14,483 |
| 2003 | 2 | 13 | 2,757 | 39,716 | 309 | 4,451 | 3,068 | 44,180 |
| 2004 | 4 | 57 | 2,337 | 43,652 | 179 | 3,343 | 2,520 | 47,052 |
| 2005 | 1 | 23 | 3,137 | 55,638 | 271 | 6,157 | 3,409 | 61,818 |
| 2006 | 1 | 21 | 2,187 | 38,015 | 68 | 1,536 | 2,256 | 39,572 |
| 2007 | 11 | 228 | 1,746 | 29,745 | 16 | 308 | 1,773 | 30,281 |
| 2008 | 0 | 0 | 955 | 14,463 | 15 | 227 | 970 | 14,690 |
| 2009 | 0 | 0 | 3,244 | 30,791 | 75 | 1,166 | 3,319 | 31,957 |
| 2010 | 0 | 0 | 10,262 | 102,684 | 118 | 1,708 | 10,380 | 104,392 |
| 2011 | 4 | 45 | 6,440 | 72,305 | 142 | 2,486 | 6,586 | 74,836 |
| 2012 | 0 | 0 | 3,636 | 48,850 | 51 | 1,053 | 3,687 | 49,903 |
| 2013 | 2 | 25 | 2,872 | 35,587 | 85 | 1,644 | 2,959 | 37,256 |
| 2014 | 2 | 6 | 8,809 | 75,747 | 35 | 417 | 8,846 | 76,170 |
| Averages | | | | | | | | |
| 1994–2013 | 4 | 70 | 3,471 | 50,723 | 116 | 2,035 | 3,584 | 52,726 |
| 2004–2013 | 2 | 40 | 3,682 | 47,173 | 102 | 1,963 | 3,786 | 49,176 |
| 2009–2013 | 1 | 14 | 5,291 | 58,043 | 94 | 1,611 | 5,386 | 59,669 |

[a] Weights of home pack fish are not reported on fish tickets; therefore, they were calculated from the average weight of the commercial harvest.

Table 15.–Chignik Management Area Chinook salmon harvest (including home pack and the department's test fishery catches), by district and year, 1980 through 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Year | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 1980 | 929 | 148 | 169 | 739 | 359 | 2,344 |
| 1981 | 2,006 | 302 | 188 | 99 | 99 | 2,694 |
| 1982 | 3,269 | 41 | 38 | 1,354 | 534 | 5,236 |
| 1983 | 3,560 | 161 | 260 | 1,390 | 117 | 5,488 |
| 1984 | 3,696 | 63 | 72 | 487 | 0 | 4,318 |
| 1985 | 1,809 | 50 | 7 | 21 | 0 | 1,887 |
| 1986 | 2,592 | 58 | 14 | 350 | 23 | 3,037 |
| 1987 | 1,931 | 60 | 6 | 512 | 142 | 2,651 |
| 1988 | 4,331 | 1,094 | 190 | 1,216 | 465 | 7,296 |
| 1989 | 3,532 | 9 | 1 | 0 | 0 | 3,542 |
| 1990 | 3,719 | 2,175 | 175 | 3,190 | 642 | 9,901 |
| 1991 | 1,996 | 775 | 165 | 197 | 24 | 3,157 |
| 1992 | 3,181 | 2,010 | 181 | 4,300 | 1,160 | 10,832 |
| 1993 | 5,240 | 6,865 | 2,568 | 3,113 | 1,729 | 19,515 |
| 1994 | 1,808 | 1,303 | 43 | 452 | 313 | 3,919 |
| 1995 | 3,219 | 845 | 108 | 897 | 424 | 5,493 |
| 1996 | 1,590 | 1,022 | 263 | 162 | 108 | 3,145 |
| 1997 | 1,384 | 1,609 | 60 | 60 | 7 | 3,120 |
| 1998 | 1,805 | 1,798 | 79 | 567 | 254 | 4,503 |
| 1999 | 2,270 | 852 | 147 | 216 | 22 | 3,507 |
| 2000 | 598 | 530 | 53 | 1,421 | 10 | 2,612 |
| 2001 | 1,235 | 770 | 302 | 627 | 5 | 2,939 |
| 2002 | 920 | 17 | 0 | 584 | 0 | 1,521 |
| 2003 | 2,834 | 189 | 0 | 45 | 0 | 3,068 |
| 2004 | 2,520 | 0 | 0 | 0 | 0 | 2,520 |
| 2005 | 2,714 | 391 | 0 | 297 | 6 | 3,408 |
| 2006 | 2,009 | 165 | 3 | 79 | 0 | 2,256 |
| 2007 | 667 | 421 | 152 | 532 | 1 | 1,773 |
| 2008 | 219 | 195 | 16 | 503 | 37 | 970 |
| 2009 | 552 | 552 | 199 | 1,987 | 29 | 3,319 |
| 2010 | 1,564 | 2,420 | 834 | 5,476 | 86 | 10,380 |
| 2011 | 1,462 | 2,154 | 639 | 2,118 | 213 | 6,586 |
| 2012 | 330 | 1,878 | 185 | 1,284 | 10 | 3,687 |
| 2013 | 592 | 1,249 | 398 | 668 | 52 | 2,959 |
| 2014 | 363 | 4,302 | 75 | 4,054 | 52 | 8,846 |
| Averages | | | | | | |
| 1994–2013 | 1,515 | 918 | 174 | 899 | 79 | 3,584 |
| 2004–2013 | 1,263 | 943 | 243 | 1,294 | 43 | 3,786 |
| 2009–2013 | 900 | 1,651 | 451 | 2,307 | 78 | 5,386 |

Table 16.–Chignik Management Area Chinook salmon harvest (including home pack and the department's test fishery catches), by district and day, 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Date | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 6/2 | | | | | | |
| 6/10 | 3 | Closed | Closed | Closed | Closed | 3 |
| 6/11 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/12 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/13 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/15 | 1 | Closed | Closed | Closed | Closed | 1 |
| 6/16 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/17 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/18 | 4 | Closed | Closed | Closed | Closed | 4 |
| 6/19–7/10 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/11 | 2 | Closed | Closed | Closed | Closed | 2 |
| 7/12 | 13 | 10 | 0 | 77 | 0 | 100 |
| 7/13 | 15 | 228 | 0 | 2 | 0 | 245 |
| 7/14 | 48 | 274 | 0 | 28 | 0 | 350 |
| 7/15 | 11 | 335 | 0 | 128 | 0 | 474 |
| 7/16 | 4 | 297 | 0 | 163 | 0 | 464 |
| 7/17 | 5 | 203 | 0 | 119 | 0 | 327 |
| 7/18 | 11 | 430 | 75 | 303 | 0 | 819 |
| 7/19 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/20 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/21 | 1 | 176 | 0 | 128 | 0 | 305 |
| 7/22 | 10 | 254 | 0 | 138 | 0 | 402 |
| 7/23 | 19 | 145 | 0 | 81 | 0 | 245 |
| 7/24 | 15 | 42 | 0 | 139 | 10 | 206 |
| 7/25 | 1 | 190 | 0 | 32 | 0 | 223 |
| 7/26 | 5 | 372 | 0 | 84 | 0 | 461 |
| 7/27 | 25 | 37 | 0 | 81 | 12 | 155 |
| 7/28 | 1 | 34 | 0 | 74 | 0 | 109 |
| 7/29 | 11 | 43 | 0 | 23 | 0 | 93 |
| 7/30 | 6 | 18 | 0 | 21 | 0 | 45 |
| 7/31 | 1 | 165 | 0 | 15 | 0 | 181 |
| 8/1 | 3 | 81 | 0 | 80 | 5 | 169 |

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Table 16.–Page 2 of 2.

| Date | District | | | | | Total |
|---|---|---|---|---|---|---|
| | Chignik Bay | Central | Eastern | Western | Perryville | |
| 8/2 | 10 | 180 | 0 | 25 | 0 | 215 |
| 8/3 | 8 | 123 | 0 | 12 | 0 | 143 |
| 8/4 | 7 | 160 | 0 | 28 | 0 | 195 |
| 8/5 | 7 | 8 | 0 | 2 | 0 | 17 |
| 8/6 | 3 | 70 | 0 | 22 | 1 | 96 |
| 8/7 | 9 | 0 | Closed | 0 | 7 | 16 |
| 8/8 | 4 | 231 | Closed | 153 | 4 | 392 |
| 8/9 | 0 | 8 | Closed | 45 | 4 | 57 |
| 8/10 | 3 | 0 | Closed | 381 | 9 | 393 |
| 8/11 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/12 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/13 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/15 | 0 | 0 | Closed | 104 | Closed | 104 |
| 8/16 | 24 | 188 | Closed | 1,382 | 0 | 1,594 |
| 8/17 | 56 | 0 | Closed | 7 | 0 | 63 |
| 8/18 | 0 | 0 | Closed | 144 | 0 | 144 |
| 8/19 | 0 | 0 | Closed | 4 | 0 | 4 |
| 8/20 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8/21 | 17 | 0 | 0 | 29 | 0 | 46 |
| 8/22 | 0 | 0 | Closed | 0 | 0 | 0 |
| 8/23 | 0 | 0 | Closed | 0 | 0 | 0 |
| 8/24 | 0 | 0 | Closed | 0 | 0 | 0 |
| 8/25 | 0 | 0 | Closed | 0 | 0 | 0 |
| 8/26 | 0 | 0 | Closed | 0 | 0 | 0 |
| 8/27 | 0 | 0 | Closed | 0 | 0 | 0 |
| 8/28 | -processors stopped buying - | | | | | |
| Total | 363 | 4,302 | 75 | 4,054 | 52 | 8,846 |

Table 17.–Total harvest of sockeye salmon considered by regulation to be Chignik-bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, 1970 through 2014.

| | Testfish | | Commercial catch | | Home pack | | Total CMA harvest | | Cape igvak[a] | | SEDM[b] | | Total Chignik-bound | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Number | Pounds | Number | Pounds | Number | Pounds[c] | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| 1970 | ND | ND | 1,325,734 | 9,210,127 | ND | ND | 1,325,734 | 9,210,127 | ND | ND | ND | ND | 1,325,734 | 9,210,127 |
| 1971 | ND | ND | 1,016,136 | 7,534,367 | ND | ND | 1,016,136 | 7,534,367 | ND | ND | ND | ND | 1,016,136 | 7,534,367 |
| 1972 | ND | ND | 378,218 | 2,863,742 | ND | ND | 378,218 | 2,863,742 | ND | ND | ND | ND | 378,218 | 2,863,742 |
| 1973 | ND | ND | 870,354 | 7,023,294 | ND | ND | 870,354 | 7,023,294 | ND | ND | ND | ND | 870,354 | 7,023,294 |
| 1974 | ND | ND | 662,905 | 4,756,653 | ND | ND | 662,905 | 4,756,653 | ND | ND | ND | ND | 662,905 | 4,756,653 |
| 1975 | ND | ND | 399,593 | 2,773,725 | ND | ND | 399,593 | 2,773,725 | ND | ND | ND | ND | 399,593 | 2,773,725 |
| 1976 | ND | ND | 1,163,728 | 8,562,989 | ND | ND | 1,163,728 | 8,562,989 | ND | ND | ND | ND | 1,163,728 | 8,562,989 |
| 1977 | ND | ND | 1,972,207 | 17,247,659 | ND | ND | 1,972,207 | 17,247,659 | ND | ND | ND | ND | 1,972,207 | 17,247,659 |
| 1978 | ND | ND | 1,576,283 | 12,451,982 | ND | ND | 1,576,283 | 12,451,982 | 225,078 | 1,583,809 | ND | ND | 1,801,361 | 14,035,791 |
| 1979 | ND | ND | 1,049,691 | 7,862,600 | ND | ND | 1,049,691 | 7,862,600 | 13,950 | 96,507 | ND | ND | 1,063,641 | 7,959,107 |
| 1980 | ND | ND | 859,966 | 5,795,098 | ND | ND | 859,966 | 5,795,098 | 32 | 147 | 63,724 | 442,601 | 923,722 | 6,237,846 |
| 1981 | ND | ND | 1,839,469 | 13,486,031 | ND | ND | 1,839,469 | 13,486,031 | 282,727 | 1,876,246 | 122,198 | 888,410 | 2,244,394 | 16,250,687 |
| 1982 | ND | ND | 1,521,686 | 11,340,439 | ND | ND | 1,521,686 | 11,340,439 | 166,756 | 1,162,053 | 62,789 | 463,729 | 1,751,231 | 12,966,221 |
| 1983 | ND | ND | 1,824,175 | 11,926,829 | ND | ND | 1,824,175 | 11,926,829 | 318,048 | 1,926,770 | 227,392 | 1,631,668 | 2,369,615 | 15,485,267 |
| 1984 | ND | ND | 2,660,619 | 18,536,287 | ND | ND | 2,660,619 | 18,536,287 | 449,372 | 2,820,646 | 423,292 | 3,053,430 | 3,533,283 | 24,410,363 |
| 1985 | 4,875 | 30,480 | 916,627 | 5,415,817 | ND | ND | 921,502 | 5,446,297 | 123,627 | 637,207 | 51,421 | 337,919 | 1,096,550 | 6,421,423 |
| 1986 | ND | ND | 1,645,834 | 11,254,860 | ND | ND | 1,645,834 | 11,254,860 | 188,017 | 1,153,092 | 118,006 | 841,446 | 1,951,857 | 13,249,398 |
| 1987 | 679 | 4,637 | 1,898,159 | 13,997,077 | ND | ND | 1,898,838 | 14,001,714 | 321,506 | 2,146,841 | 146,886 | 1,121,094 | 2,367,230 | 17,269,649 |
| 1988 | 3,425 | 24,287 | 792,416 | 5,690,165 | ND | ND | 795,841 | 5,714,452 | 10,520 | 63,641 | 19,320 | 140,708 | 825,681 | 5,918,801 |
| 1989 | 6,433 | 46,532 | 1,152,854 | 7,922,748 | ND | ND | 1,159,287 | 7,969,280 | 0 | 0 | 4,485 | 32,262 | 1,163,772 | 8,001,542 |
| 1990 | 5,522 | 33,915 | 2,088,128 | 13,775,854 | ND | ND | 2,093,650 | 13,809,769 | 107,706 | 665,309 | 117,065 | 783,670 | 2,318,421 | 15,258,748 |
| 1991 | 8,106 | 54,892 | 1,887,559 | 12,889,560 | ND | ND | 1,895,665 | 12,944,452 | 324,195 | 1,886,494 | 152,714 | 1,037,726 | 2,372,574 | 15,868,672 |
| 1992 | 12,423 | 80,326 | 1,265,026 | 8,292,576 | ND | ND | 1,277,449 | 8,372,902 | 150,434 | 896,108 | 93,845 | 608,765 | 1,521,728 | 9,877,775 |
| 1993 | 5,444 | 34,231 | 1,691,907 | 10,228,401 | ND | ND | 1,697,351 | 10,262,632 | 300,055 | 1,639,082 | 128,608 | 847,879 | 2,126,014 | 12,749,593 |
| 1994 | 9,139 | 54,433 | 1,609,834 | 10,091,402 | ND | ND | 1,618,973 | 10,145,835 | 250,230 | 1,423,150 | 142,350 | 934,493 | 2,011,553 | 12,503,478 |
| 1995 | 9,023 | 57,674 | 1,715,022 | 11,464,647 | 0 | 0 | 1,724,045 | 11,522,321 | 169,530 | 899,572 | 89,086 | 547,563 | 1,982,661 | 12,969,456 |
| 1996 | 4,317 | 36,511 | 1,954,036 | 14,866,234 | 40 | 304 | 1,958,393 | 14,903,049 | 308,327 | 1,954,430 | 127,201 | 884,305 | 2,393,921 | 17,741,784 |
| 1997 | 11,299 | 77,874 | 758,384 | 4,782,715 | 664 | 4,187 | 770,347 | 4,864,776 | 0 | 0 | 0 | 0 | 770,347 | 4,864,776 |
| 1998 | 12,374 | 66,040 | 1,041,798 | 6,372,010 | 267 | 1,633 | 1,054,439 | 6,439,683 | 8,813 | 39,133 | 66,893 | 408,902 | 1,130,145 | 6,887,718 |
| 1999 | 5,994 | 42,216 | 3,110,507 | 20,527,837 | 26 | 172 | 3,116,527 | 20,570,225 | 456,039 | 2,469,213 | 173,621 | 1,086,186 | 3,746,187 | 24,125,624 |
| 2000 | 11,604 | 88,790 | 1,763,621 | 13,577,434 | 0 | 0 | 1,775,225 | 13,666,224 | 271,344 | 1,703,875 | 103,419 | 737,462 | 2,149,988 | 16,107,561 |

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Table 17.–Page 2 of 2.

| | Testfish | | Commercial catch | | Home pack | | Total CMA harvest | | Cape Igvaka | | SEDMb | | Total Chignik-bound | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Number | Pounds | Number | Pounds | Number | Pounds[c] | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| 2001[d] | 14,011 | 98,197 | 1,497,359 | 10,972,234 | 217 | 1,590 | 1,511,587 | 11,072,021 | 215,214 | 1,287,154 | 51,141 | 368,970 | 1,777,942 | 12,728,145 |
| 2002 | 9,101 | 61,656 | 1,040,081 | 7,176,261 | 1,371 | 9,460 | 1,050,553 | 7,247,377 | 136,488 | 727,894 | 63,026 | 502,353 | 1,250,067 | 8,477,624 |
| 2003 | 5,582 | 36,334 | 1,092,304 | 7,137,591 | 2,411 | 15,755 | 1,100,297 | 7,189,680 | 121,887 | 599,342 | 70,044 | 466,153 | 1,292,228 | 8,255,175 |
| 2004 | 5,919 | 38,317 | 697,043 | 4,460,437 | 1,690 | 10,998 | 704,652 | 4,509,752 | 160,665 | 781,265 | 55,123 | 355,703 | 920,440 | 5,291,017 |
| 2005 | 7,076 | 43,988 | 1,143,693 | 7,468,609 | 1,364 | 8,702 | 1,152,133 | 7,521,299 | 274,328 | 1,681,630 | 170,662 | 1,088,207 | 1,597,123 | 10,291,136 |
| 2006 | 6,641 | 42,420 | 895,801 | 5,804,939 | 267 | 1,625 | 902,709 | 5,848,984 | 41,834 | 266,483 | 62,010 | 398,724 | 1,006,553 | 6,514,191 |
| 2007 | 5,152 | 38,112 | 829,110 | 5,769,736 | 285 | 1,346 | 834,547 | 5,809,194 | 52,527 | 325,619 | 0 | 0 | 887,074 | 6,134,813 |
| 2008 | 5,166 | 35,271 | 682,104 | 4,734,436 | 0 | 0 | 687,270 | 4,769,707 | 0 | 0 | 0 | 0 | 687,270 | 4,769,707 |
| 2009 | 1,687 | 12,833 | 1,196,325 | 8,248,669 | 93 | 631 | 1,198,105 | 8,262,133 | 126,968 | 811,617 | 48,322 | 314,210 | 1,373,395 | 9,387,960 |
| 2010 | 6,545 | 34,237 | 1,372,267 | 8,940,207 | 973 | 6,490 | 1,379,785 | 8,980,934 | 185,193 | 1,035,324 | 85,267 | 559,226 | 1,650,245 | 10,575,484 |
| 2011 | 6,556 | 48,184 | 2,490,125 | 17,841,056 | 323 | 1,977 | 2,497,004 | 17,891,217 | 494,538 | 3,224,966 | 156,637 | 1,123,768 | 3,148,179 | 22,239,951 |
| 2012 | 2,089 | 15,102 | 1,797,519 | 12,247,564 | 513 | 3,564 | 1,800,121 | 12,266,230 | 324,895 | 1,884,391 | 126,083 | 838,838 | 2,251,099 | 14,989,459 |
| 2013 | 4,970 | 35,474 | 2,392,509 | 17,016,502 | 587 | 3,928 | 2,398,066 | 17,055,904 | 354,179 | 2,326,956 | 169,029 | 1,109,867 | 2,921,274 | 20,492,727 |
| 2014 | 3,454 | 20,637 | 616,879 | 4,120,133 | 6 | 40 | 620,339 | 4,140,810 | 0 | 0 | 0 | 0 | 630,339 | 4,120,133 |
| Averages | | | | | | | | | | | | | | |
| 1994–2013 | 7,212 | 48,183 | 1,453,972 | 9,975,026 | 584 | 3,809 | 1,461,739 | 10,026,827 | 197,650 | 1,172,101 | 87,996 | 586,247 | 1,747,385 | 11,767,389 |
| 2004–2013 | 5,180 | 34,394 | 1,349,650 | 9,253,216 | 610 | 3,926 | 1,355,439 | 9,291,535 | 201,513 | 1,233,825 | 87,313 | 578,854 | 1,644,265 | 11,068,645 |
| 2009–2013 | 4,369 | 29,166 | 1,849,749 | 12,858,800 | 498 | 3,318 | 1,854,616 | 12,891,284 | 297,155 | 1,856,651 | 117,068 | 789,182 | 2,268,838 | 15,537,116 |

[a] The Cape Igvak allocation began in 1978. From 1978 to 2002, 80% of the Cape Igvak sockeye salmon harvest was considered Chignik River-bound. Beginning in 2002, that percentage was changed to 90%.

[b] Beginning in 1980, 80% of the SEDM harvest in specific areas during specific times was considered Chignik River-bound.

[c] Weights of home pack are not reported on fish tickets; therefore, the weights were calculated from the average weight of the commercial harvest for that year.

[d] Due to a strike by Alaska Peninsula fishermen, foregone harvest of 27,896 sockeye salmon harvested in 2001 was added to the SEDM catch for management purposes; this foregone harvest is not included in this table.

Table 18.–Total annual Chignik Management Area sockeye salmon harvest (including home pack and the department's test fishery catches), by district, 1980 through 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Year | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 1980 | 708,828 | 74,628 | 60,947 | 9,227 | 6,336 | 859,966 |
| 1981 | 1,355,524 | 426,159 | 36,618 | 14,751 | 6,417 | 1,839,469 |
| 1982 | 1,413,806 | 66,278 | 10,209 | 30,279 | 1,114 | 1,521,686 |
| 1983 | 1,597,059 | 123,590 | 73,824 | 25,246 | 4,456 | 1,824,175 |
| 1984 | 1,942,822 | 517,653 | 184,495 | 15,470 | 179 | 2,660,619 |
| 1985 | 811,956 | 77,314 | 18,720 | 13,175 | 337 | 921,502 |
| 1986 | 1,389,172 | 182,884 | 6,424 | 44,362 | 22,992 | 1,645,834 |
| 1987 | 1,559,757 | 255,118 | 14,498 | 56,524 | 12,941 | 1,898,838 |
| 1988 | 529,540 | 124,103 | 25,699 | 93,070 | 23,429 | 795,841 |
| 1989 | 1,156,782 | 2,473 | 32 | 0 | 0 | 1,159,287 |
| 1990 | 1,400,069 | 566,601 | 51,443 | 53,192 | 22,345 | 2,093,650 |
| 1991 | 1,487,421 | 315,570 | 59,751 | 19,766 | 13,157 | 1,895,665 |
| 1992 | 792,889 | 332,860 | 12,327 | 30,004 | 109,369 | 1,277,449 |
| 1993 | 762,730 | 557,020 | 186,364 | 54,051 | 137,186 | 1,697,351 |
| 1994 | 908,042 | 573,484 | 20,041 | 64,325 | 53,081 | 1,618,973 |
| 1995 | 1,083,707 | 415,436 | 48,842 | 79,874 | 96,186 | 1,724,045 |
| 1996 | 1,003,683 | 743,658 | 145,668 | 47,529 | 17,855 | 1,958,393 |
| 1997 | 407,427 | 295,084 | 20,650 | 44,768 | 2,418 | 770,347 |
| 1998 | 622,005 | 286,643 | 30,555 | 87,940 | 27,296 | 1,054,439 |
| 1999 | 2,356,146 | 612,589 | 79,717 | 57,859 | 10,216 | 3,116,527 |
| 2000 | 1,327,249 | 358,985 | 71,572 | 15,034 | 2,385 | 1,775,225 |
| 2001 | 1,082,291 | 382,172 | 28,377 | 17,673 | 1,074 | 1,511,587 |
| 2002 | 993,756 | 44,368 | 2,835 | 9,425 | 169 | 1,050,553 |
| 2003 | 1,000,247 | 64,440 | 1,701 | 29,069 | 4,840 | 1,100,297 |
| 2004 | 704,471 | 181 | 0 | 0 | 0 | 704,652 |
| 2005 | 1,039,076 | 84,879 | 2 | 27,927 | 249 | 1,152,133 |
| 2006 | 726,749 | 103,272 | 3,118 | 69,570 | 0 | 902,709 |
| 2007 | 545,438 | 138,922 | 29,882 | 119,489 | 816 | 834,547 |
| 2008 | 527,026 | 83,111 | 2,279 | 68,257 | 6,597 | 687,270 |
| 2009 | 869,906 | 191,611 | 29,900 | 102,803 | 3,885 | 1,198,105 |
| 2010 | 846,823 | 371,090 | 102,587 | 56,736 | 2,549 | 1,379,785 |
| 2011 | 1,649,846 | 670,348 | 113,760 | 40,252 | 22,798 | 2,497,004 |
| 2012 | 1,122,595 | 522,184 | 61,922 | 93,270 | 150 | 1,800,121 |
| 2013 | 1,602,826 | 583,329 | 149,437 | 56,248 | 6,226 | 2,398,066 |
| 2014 | 208,056 | 100,375 | 86 | 302,614 | 9,208 | 620,339 |
| Averages | | | | | | |
| 1994–2013 | 1,020,965 | 326,289 | 47,142 | 54,402 | 12,940 | 1,461,739 |
| 2004–2013 | 963,476 | 274,893 | 49,289 | 63,455 | 4,327 | 1,355,439 |
| 2009–2013 | 1,218,399 | 467,712 | 91,521 | 69,862 | 7,122 | 1,854,616 |

Table 19.–Chignik Management Area sockeye salmon harvest (including home pack and the department's test fishery catches), by district and day, 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Date | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 6/10 | 399 | Closed | Closed | Closed | Closed | 399 |
| 6/11–6/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/15 | 1,027 | Closed | Closed | Closed | Closed | 1,027 |
| 6/16 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/17 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/18 | 662 | Closed | Closed | Closed | Closed | 662 |
| 6/19–7/10 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/11 | 1,372 | Closed | Closed | Closed | Closed | 1,372 |
| 7/12 | 14,053 | 1,863 | 0 | 12,484 | 0 | 28,400 |
| 7/13 | 13,689 | 10,077 | 0 | 5,341 | 0 | 29,107 |
| 7/14 | 9,369 | 7,982 | 0 | 14,627 | 0 | 31,978 |
| 7/15 | 7,647 | 12,472 | 0 | 6,325 | 0 | 26,444 |
| 7/16 | 9,703 | 9,086 | 0 | 22,387 | 0 | 41,176 |
| 7/17 | 8,306 | 4,916 | 0 | 13,595 | 0 | 26,817 |
| 7/18 | 8,801 | 6,497 | 46 | 6,626 | 0 | 21,970 |
| 7/19 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/20 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/21 | 12,515 | 4,628 | 0 | 5,903 | 0 | 23,046 |
| 7/22 | 10,247 | 9,886 | 0 | 19,468 | 0 | 39,601 |
| 7/23 | 6,402 | 6,554 | 0 | 6,171 | 0 | 19,127 |
| 7/24 | 7,744 | 4,392 | 0 | 14,777 | 1,026 | 27,939 |
| 7/25 | 5,125 | 2,486 | 0 | 7,086 | 0 | 14,697 |
| 7/26 | 6,006 | 2,638 | 0 | 13,599 | 0 | 22,243 |
| 7/27 | 7,400 | 613 | 0 | 11,531 | 1,373 | 20,917 |
| 7/28 | 6,041 | 2,625 | 33 | 14,645 | 0 | 23,344 |
| 7/29 | 7,859 | 1,395 | 0 | 7,016 | 0 | 16,642 |
| 7/30 | 5,709 | 670 | 0 | 15,377 | 0 | 21,756 |
| 7/31 | 3,529 | 3,268 | 0 | 17,247 | 0 | 24,044 |

-continued-

Table 19.–Page 2 of 2.

| Date | District | | | | | Total |
|---|---|---|---|---|---|---|
| | Chignik Bay | Central | Eastern | Western | Perryville | |
| 8/1 | 3,944 | 1,181 | 0 | 10,608 | 1,828 | 17,561 |
| 8/2 | 3,833 | 2,175 | 0 | 7,865 | 112 | 13,985 |
| 8/3 | 4,080 | 666 | 0 | 16,784 | 0 | 21,530 |
| 8/4 | 2,911 | 584 | 0 | 9,720 | 934 | 14,149 |
| 8/5 | 2,708 | 113 | 7 | 3,562 | 902 | 7,292 |
| 8/6 | 3,351 | 786 | 0 | 4,021 | 844 | 9,002 |
| 8/7 | 2,077 | 56 | Closed | 35 | 338 | 2,506 |
| 8/8 | 1,848 | 1,635 | Closed | 8,736 | 858 | 13,077 |
| 8/9 | 1,879 | 318 | Closed | 6,412 | 609 | 9,218 |
| 8/10 | 2,008 | 249 | Closed | 5,201 | 384 | 7,842 |
| 8/11 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/12 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/13 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/15 | 2,922 | 0 | Closed | 1,751 | Closed | 4,673 |
| 8/16 | 4,058 | 564 | Closed | 2,260 | 0 | 6,882 |
| 8/17 | 2,280 | 0 | Closed | 2,511 | 0 | 4,791 |
| 8/18 | 2,925 | 0 | Closed | 3,221 | 0 | 6,146 |
| 8/19 | 3,452 | 0 | Closed | 3,915 | 0 | 7,367 |
| 8/20 | 2,545 | 0 | 0 | 0 | 0 | 2,545 |
| 8/21 | 2,083 | 0 | 0 | 660 | 0 | 2,743 |
| 8/22 | 2,369 | 0 | Closed | 0 | 0 | 2,369 |
| 8/23 | 371 | 0 | Closed | 0 | 0 | 371 |
| 8/24 | 382 | 0 | Closed | 0 | 0 | 382 |
| 8/25 | 304 | 0 | Closed | 99 | 0 | 403 |
| 8/26 | 1,216 | 0 | Closed | 631 | 0 | 1,847 |
| 8/27 | 905 | 0 | Closed | 417 | 0 | 1,322 |
| 8/28 | - Processors Stopped Buying - | | | | | |
| Total | 208,056 | 100,375 | 86 | 302,614 | 9,208 | 620,711 |

Table 20.–Harvest of sockeye salmon considered by regulation to be Chignik-bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries from June 1 through July 25, 1978–2014.

| | Chignik[a] | | Cape Igvak[a] | | Southeastern District Mainland[a] | | |
|---|---|---|---|---|---|---|---|
| Year | Catch[b] | Percent | Catch[b] | Percent | Catch[c] | Percent | Total |
| 1978 | 1,454,389 | 86.6 | 225,078 | 13.4 | ND | ND | 1,679,467 |
| 1979 | 794,504 | 98.3 | 13,950 | 1.7 | ND | ND | 808,454 |
| 1980 | 670,001 | 91.3 | 32 | 0.0 | 63,724 | 8.7 | 733,757 |
| 1981 | 1,606,300 | 79.9 | 282,727 | 14.1 | 122,198 | 6.1 | 2,011,225 |
| 1982 | 1,250,768 | 84.5 | 166,756 | 11.3 | 62,789 | 4.2 | 1,480,313 |
| 1983 | 1,450,832 | 72.7 | 318,048 | 15.9 | 227,392 | 11.4 | 1,996,272 |
| 1984 | 2,474,405 | 73.9 | 449,372 | 13.4 | 423,292 | 12.6 | 3,347,069 |
| 1985 | 690,698 | 79.8 | 123,627 | 14.3 | 51,421 | 5.9 | 865,746 |
| 1986 | 1,456,729 | 82.6 | 188,017 | 10.7 | 118,006 | 6.7 | 1,762,752 |
| 1987 | 1,659,236 | 78.0 | 321,506 | 15.1 | 146,886 | 6.9 | 2,127,628 |
| 1988 | 675,487 | 95.8 | 10,520 | 1.5 | 19,320 | 2.7 | 705,327 |
| 1989 | 496,044 | 99.1 | 0 | 0.0 | 4,485 | 0.9 | 500,529 |
| 1990 | 1,205,575 | 84.3 | 107,706 | 7.5 | 117,065 | 8.2 | 1,430,346 |
| 1991[d] | 1,962,583 | 80.5 | 324,195 | 13.3 | 152,714 | 6.3 | 2,439,492 |
| 1992 | 1,054,309 | 81.2 | 150,434 | 11.6 | 93,845 | 7.2 | 1,298,588 |
| 1993 | 1,495,098 | 77.7 | 300,055 | 15.6 | 128,608 | 6.7 | 1,923,761 |
| 1994[e] | 1,632,435 | 80.6 | 250,230 | 12.4 | 142,350 | 7.0 | 2,025,015 |
| 1995 | 1,024,785 | 79.8 | 169,530 | 13.2 | 89,086 | 6.9 | 1,283,401 |
| 1996 | 1,710,249 | 79.7 | 308,327 | 14.4 | 127,201 | 5.9 | 2,145,777 |
| 1997 | 443,892 | 100.0 | 0 | 0.0 | 0 | 0.0 | 443,892 |
| 1998[f] | 786,466 | 91.2 | 8,813 | 1.0 | 66,893 | 7.8 | 862,172 |
| 1999 | 2,326,811 | 78.7 | 456,039 | 15.4 | 173,621 | 5.9 | 2,956,471 |
| 2000 | 1,509,652 | 80.1 | 271,344 | 14.4 | 103,419 | 5.5 | 1,884,415 |
| 2001[g] | 1,134,991 | 79.4 | 215,214 | 15.1 | 79,037 | 5.5 | 1,429,242 |
| 2002 | 849,980 | 81.0 | 136,488 | 13.0 | 63,026 | 6.0 | 1,049,494 |
| 2003 | 855,179 | 81.7 | 121,887 | 11.6 | 70,044 | 6.7 | 1,047,110 |
| 2004 | 681,120 | 75.9 | 160,665 | 17.9 | 55,123 | 6.1 | 896,908 |
| 2005 | 1,098,718 | 70.8 | 274,328 | 17.7 | 177,906 | 11.5 | 1,550,952 |
| 2006 | 741,887 | 87.7 | 41,834 | 4.9 | 62,010 | 7.3 | 845,731 |
| 2007 | 601,213 | 92.0 | 52,527 | 8.0 | 0 | 0.0 | 653,740 |
| 2008 | 445,199 | 100.0 | 0 | 0.0 | 0 | 0.0 | 445,199 |
| 2009 | 871,890 | 83.3 | 126,968 | 12.1 | 48,322 | 5.5 | 1,047,180 |
| 2010 | 1,125,135 | 80.6 | 185,193 | 13.3 | 85,267 | 7.6 | 1,395,595 |

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Table 20.–Page 2 of 2.

| Year | Chignik[a] Catch[b] | Chignik[a] Percent | Cape Igvak[a] Catch[b] | Cape Igvak[a] Percent | Southeastern District Mainland[a] Catch[c] | Southeastern District Mainland[a] Percent | Total |
|---|---|---|---|---|---|---|---|
| 2011 | 2,277,681 | 77.8 | 494,538 | 16.9 | 156,637 | 6.9 | 2,928,856 |
| 2012 | 1,640,517 | 78.4 | 324,895 | 15.5 | 126,083 | 7.7 | 2,091,495 |
| 2013 | 2,246,339 | 81.1 | 354,179 | 12.8 | 169,029 | 7.5 | 2,769,547 |
| 2014 | 330,302 | 100.0 | 0 | 0.0 | 0 | 0.0 | 330,302 |
| Averages[h] | | | | | | | |
| 1994–2013 | 1,200,207 | 81.1 | 197,650 | 12.8 | 89,753 | 6.5 | 1,487,610 |
| 2004–2013 | 1,172,970 | 80.8 | 201,513 | 13.2 | 88,038 | 6.7 | 1,462,520 |
| 2009–2013 | 1,632,312 | 80.2 | 297,155 | 14.1 | 117,068 | 7.0 | 2,046,535 |

[a] Through 2001, the Cape Igvak and Southeastern District Mainland figures represent 80% of the total sockeye salmon catch for those areas through July 25, based on the regulations in effect during those years. In 2002 the Alaska Board of Fisheries increased the percentage of sockeye salmon harvest considered Chignik-bound from 80% to 90% in the Cape Igvak fishery. The figures reported in this table are the portion of the catches considered Chignik-bound. These figures do not include Chignik test fishery harvests or fish retained for home pack as they are not included in the allocation scheme.

[b] Beginning in 1978 the *Cape Igvak Salmon Management Plan* allocated up to 15% of the total catch of Chignik-bound sockeye salmon to the Cape Igvak fishery.

[c] Beginning in 1985 the Southeastern District Mainland was allowed an allocation of 6.2% of the total harvest of Chignik-bound sockeye salmon through July 25. Certain areas (which changed frequently) were excluded from the allocation and managed for local (Orzinski Lake) stocks (see regulations from the individual years). After July 25 the entire Southeast District Mainland was managed based on local stock abundance. The allocation level changed to 6.0% beginning in 1988. Beginning in 1992, the allocation of Chignik-bound sockeye to the Southeastern District Mainland fishery was increased to 7.0%. Prior to the 1996 season, the Alaska Board of Fisheries decreased the allocation from 7.0% to 6.0%. The allocation was increased from 6.0% to 7.6% prior to the 2007 season.

[d] Includes a foregone harvest of 278,305 sockeye salmon during a Chignik area strike (June 23–July 4).

[e] Includes a foregone harvest of 208,921 sockeye salmon during a Chignik area strike (June 2–June 25).

[f] Includes a foregone harvest of 52,131 sockeye salmon during a Chignik area strike (June 16–June 29).

[g] Includes a foregone harvest of 389,887 sockeye salmon in Chignik during a Chignik area strike (June 16–29), and foregone harvest of 27,896 sockeye salmon in the SEDM during a strike on the South Peninsula (June 14–July 2).

[h] Recent averages do not include years in which the Cape Igvak and SEDM remained closed.

Table 21.–Chignik sockeye salmon escapement, total harvest considered Chignik-bound, and total run, 1970 through 2014.

| | Early run | | | Late run | | | Total run [a,b,c] | | |
|---|---|---|---|---|---|---|---|---|---|
| Year | Esc. | Harvest | Run | Esc. | Harvest | Run | Esc. | Harvest | Run |
| 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 | 533,047 | 610,488 | 1,143,535 | 249,144 | 355,195 | 604,339 | 782,191 | 965,683 | 1,747,874 |
| 1974 | 351,701 | 204,722 | 556,423 | 326,245 | 648,283 | 974,528 | 677,946 | 853,005 | 1,530,951 |
| 1975 | 308,914 | 7,873 | 316,787 | 268,734 | 417,560 | 686,294 | 577,648 | 425,433 | 1,003,081 |
| 1976 | 551,254 | 599,341 | 1,150,595 | 279,509 | 727,043 | 1,006,552 | 830,763 | 1,326,384 | 2,157,147 |
| 1977 | 482,247 | 534,198 | 1,016,445 | 251,753 | 1,602,363 | 1,854,116 | 734,000 | 2,136,561 | 2,870,561 |
| 1978 | 458,660 | 940,188 | 1,398,848 | 223,887 | 885,173 | 1,109,060 | 682,547 | 1,825,361 | 2,507,908 |
| 1979 | 385,694 | 186,537 | 572,231 | 352,122 | 933,788 | 1,285,910 | 737,816 | 1,120,325 | 1,858,141 |
| 1980 | 311,332 | 73,742 | 385,074 | 352,729 | 849,980 | 1,202,709 | 664,061 | 923,722 | 1,587,783 |
| 1981 | 438,540 | 800,364 | 1,238,904 | 392,909 | 1,444,030 | 1,836,939 | 831,449 | 2,244,394 | 3,075,843 |
| 1982 | 616,117 | 1,324,396 | 1,940,513 | 221,601 | 426,835 | 648,436 | 837,718 | 1,751,231 | 2,588,949 |
| 1983 | 426,177 | 1,128,246 | 1,554,423 | 409,458 | 1,241,369 | 1,650,827 | 835,635 | 2,369,615 | 3,205,250 |
| 1984 | 597,712 | 2,919,984 | 3,517,696 | 267,862 | 613,299 | 881,161 | 865,574 | 3,533,283 | 4,398,857 |
| 1985 | 376,576 | 654,431 | 1,031,007 | 369,262 | 442,119 | 811,381 | 745,838 | 1,096,550 | 1,842,388 |
| 1986 | 566,088 | 1,364,295 | 1,930,383 | 207,231 | 587,562 | 794,793 | 773,319 | 1,951,857 | 2,725,176 |
| 1987 | 589,291 | 1,947,088 | 2,536,379 | 214,452 | 420,142 | 634,594 | 803,743 | 2,367,230 | 3,170,973 |
| 1988 | 420,577 | 271,377 | 691,954 | 255,180 | 554,304 | 809,484 | 675,757 | 825,681 | 1,501,438 |
| 1989 | 384,004 | 234,237 | 618,241 | 557,171 | 929,535 | 1,486,706 | 941,175 | 1,163,772 | 2,104,947 |
| 1990 | 434,543 | 582,520 | 1,017,063 | 335,867 | 1,735,901 | 2,071,768 | 770,410 | 2,318,421 | 3,088,831 |
| 1991 | 657,511 | 1,711,549 | 2,384,420 | 382,587 | 661,025 | 1,028,252 | 1,040,098 | 2,372,574 | 3,412,672 |
| 1992 | 360,681 | 744,417 | 1,105,098 | 405,922 | 777,311 | 1,183,233 | 766,603 | 1,521,728 | 2,288,331 |
| 1993 | 364,261 | 926,892 | 1,291,153 | 333,116 | 1,199,122 | 1,532,238 | 697,377 | 2,126,014 | 2,823,391 |
| 1994 | 769,462 | 1,595,176 | 2,364,638 | 197,447 | 416,377 | 613,824 | 966,909 | 2,011,553 | 2,978,462 |
| 1995 | 366,163 | 666,799 | 1,032,962 | 373,757 | 1,315,862 | 1,689,619 | 739,920 | 1,982,661 | 2,722,581 |
| 1996 | 464,461 | 1,688,264 | 2,152,725 | 284,676 | 705,657 | 990,333 | 749,137 | 2,393,921 | 3,143,058 |
| 1997 | 396,667 | 234,824 | 631,491 | 378,951 | 535,523 | 914,474 | 775,618 | 770,347 | 1,545,965 |
| 1998 | 410,659 | 313,158 | 723,817 | 290,469 | 816,987 | 1,107,456 | 701,128 | 1,130,145 | 1,831,273 |
| 1999 | 457,429 | 2,022,272 | 2,479,701 | 258,537 | 1,723,915 | 1,982,452 | 715,966 | 3,746,187 | 4,462,153 |
| 2000 | 536,141 | 1,574,391 | 2,110,532 | 269,084 | 575,597 | 844,681 | 805,225 | 2,149,988 | 2,955,213 |
| 2001 | 744,013 | 563,539 | 1,307,552 | 392,905 | 1,214,403 | 1,607,308 | 1,136,918 | 1,777,942 | 2,914,860 |
| 2002 | 380,701 | 684,728 | 1,065,428 | 343,616 | 565,339 | 908,955 | 724,317 | 1,250,067 | 1,974,383 |
| 2003 | 350,004 | 640,084 | 990,088 | 334,119 | 652,144 | 986,263 | 684,123 | 1,292,228 | 1,976,351 |
| 2004 | 363,800 | 727,975 | 1,091,775 | 214,459 | 192,465 | 406,924 | 578,259 | 920,440 | 1,498,700 |
| 2005 | 355,091 | 1,109,881 | 1,464,972 | 225,366 | 487,242 | 712,608 | 580,457 | 1,597,123 | 2,177,580 |
| 2006 | 366,497 | 436,028 | 802,525 | 368,996 | 570,525 | 939,521 | 735,493 | 1,006,553 | 1,742,046 |
| 2007 | 361,091 | 267,805 | 628,896 | 293,883 | 619,269 | 913,152 | 654,974 | 887,074 | 1,542,048 |
| 2008 | 377,579 | 253,490 | 631,069 | 328,479 | 433,780 | 762,259 | 706,058 | 687,270 | 1,393,328 |
| 2009 | 391,476 | 520,630 | 912,106 | 328,586 | 852,765 | 1,181,351 | 720,062 | 1,373,395 | 2,093,457 |
| 2010 | 432,535 | 833,713 | 1,266,248 | 311,291 | 816,532 | 1,127,823 | 743,826 | 1,650,245 | 2,394,071 |

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Table 21.–Page 2 of 2.

| | Early run | | | Late run | | | Total run [a,b,c] | | |
|---|---|---|---|---|---|---|---|---|---|
| Year | Esc. | Harvest | Run | Esc. | Harvest | Run | Esc. | Harvest | Run |
| 2011 | 488,930 | 2,594,291 | 3,083,221 | 264,887 | 553,888 | 818,775 | 753,817 | 3,148,179 | 3,901,996 |
| 2012 | 353,441 | 1,283,858 | 1,637,299 | 358,948 | 967,241 | 1,326,189 | 712,389 | 2,251,099 | 2,963,488 |
| 2013 | 386,782 | 2,030,579 | 2,417,361 | 369,319 | 890,695 | 1,260,014 | 756,101 | 2,921,274 | 3,677,375 |
| 2014[d] | 360,381 | 49,753 | 410,134 | 291,228 | 570,586 | 861,814 | 651,609 | 620,339 | 1,271,948 |
| Averages | | | | | | | | | |
| 1994–2013 | 437,646 | 1,002,074 | 1,439,720 | 309,389 | 745,310 | 1,054,699 | 747,035 | 1,747,385 | 2,494,419 |
| 2004–2013 | 387,722 | 1,005,825 | 1,393,547 | 306,421 | 638,440 | 944,862 | 694,144 | 1,644,265 | 2,338,409 |
| 2009–2013 | 410,633 | 1,452,614 | 1,863,247 | 326,606 | 816,224 | 1,142,830 | 737,239 | 2,268,838 | 3,006,077 |

[a] Includes Cape Igvak and SEDM harvests considered Chignik-bound as defined in regulation. However, portions of the harvests from Cape Igvak and SEDM from 1970 to 1979 were not considered Chignik-bound by regulation, but were included in this table for comparison purposes.

[b] Does not include subsistence-caught fish.

[c] Includes harvests from the Chignik Lagoon test fishery and fish retained for home pack.

[d] Benning in 2014, information from in-season genetic samples taken from the escapement at Chignik weir were used to determine the apportionment of the 2 runs during late-June and mid-July for escapement and harvest instead of using the traditional July 4 cutoff date.

Table 22.–Chignik sockeye salmon forecasts and actual runs, by run and year, 1994 through 2014, in millions of fish.

| | Early run | | | Late run | | | Total run | | |
|---|---|---|---|---|---|---|---|---|---|
| Year | Forecast | Actual | Difference | Forecast | Actual | Difference | Forecast | Actual | Difference |
| 1994 | 1.80 | 2.36 | 0.56 | 1.30 | 0.61 | -0.69 | 3.10 | 2.98 | -0.12 |
| 1995 | 1.90 | 1.03 | -0.87 | 0.90 | 1.69 | 0.79 | 2.80 | 2.72 | -0.08 |
| 1996 | 1.40 | 2.15 | 0.75 | 1.60 | 0.99 | -0.61 | 3.00 | 3.14 | 0.14 |
| 1997 | 1.00 | 0.63 | -0.37 | 1.60 | 0.91 | -0.69 | 2.60 | 1.55 | -1.05 |
| 1998 | 0.90 | 0.72 | -0.18 | 1.10 | 1.11 | 0.01 | 2.00 | 1.83 | -0.17 |
| 1999 | 1.05 | 2.48 | 1.43 | 1.29 | 1.98 | 0.69 | 2.34 | 4.46 | 2.12 |
| 2000 | 3.90 | 2.11 | -1.79 | 1.09 | 0.84 | -0.25 | 4.99 | 2.96 | -2.03 |
| 2001 | 1.00 | 1.31 | 0.31 | 0.91 | 1.61 | 0.70 | 1.91 | 2.91 | 1.00 |
| 2002 | 1.03 | 1.06 | 0.03 | 1.09 | 0.91 | -0.18 | 2.12 | 1.97 | -0.15 |
| 2003 | 1.64 | 0.99 | -0.65 | 1.19 | 1.00 | -0.19 | 2.83 | 1.99 | -0.84 |
| 2004 | 1.26 | 1.09 | -0.17 | 1.08 | 0.41 | -0.67 | 2.34 | 1.50 | -0.84 |
| 2005 | 1.84 | 1.46 | -0.38 | 0.55 | 0.71 | 0.16 | 2.39 | 2.17 | -0.22 |
| 2006 | 1.21 | 0.78 | -0.43 | 0.28 | 0.96 | 0.68 | 1.49 | 1.74 | 0.25 |
| 2007 | 1.02 | 0.60 | -0.42 | 0.90 | 0.95 | 0.05 | 1.92 | 1.55 | -0.37 |
| 2008 | 1.07 | 0.60 | -0.47 | 0.65 | 0.79 | 0.14 | 1.72 | 1.39 | -0.33 |
| 2009 | 0.85 | 0.87 | 0.02 | 0.54 | 1.23 | 0.69 | 1.39 | 2.10 | 0.71 |
| 2010 | 1.08 | 1.20 | 0.12 | 1.11 | 1.19 | 0.08 | 2.19 | 2.39 | 0.20 |
| 2011 | 1.30 | 3.08 | 1.78 | 1.02 | 0.82 | -0.20 | 2.32 | 3.90 | 1.58 |
| 2012 | 1.08 | 1.64 | 0.56 | 1.20 | 1.33 | 0.13 | 2.28 | 2.96 | 0.68 |
| 2013 | 2.77 | 2.42 | -0.35 | 1.05 | 1.26 | 0.21 | 3.82 | 3.68 | -0.14 |
| 2014 | 0.79 | 0.41 | -0.38 | 0.91 | 0.86 | -0.05 | 1.70 | 1.27 | -0.43 |
| Averages | | | | | | | | | |
| 2004–2013 | 1.35 | 1.37 | 0.03 | 0.84 | 0.96 | 0.13 | 2.19 | 2.34 | 0.15 |
| 2009–2013 | 1.42 | 1.84 | 0.43 | 0.98 | 1.17 | 0.18 | 2.40 | 3.01 | 0.61 |

Table 23.–Chignik Management Area coho salmon harvest, by year, 1980 through 2014.

| | Testfish | | Commercial catch | | Home pack | | Total | |
|---|---|---|---|---|---|---|---|---|
| Year | Number | Pounds | Number | Pounds | Number | Pounds[a] | Number | Pounds |
| 1980 | ND | ND | 119,573 | 771,392 | ND | ND | 119,573 | 771,392 |
| 1981 | ND | ND | 78,805 | 602,603 | ND | ND | 78,805 | 602,603 |
| 1982 | ND | ND | 300,273 | 2,373,268 | ND | ND | 300,273 | 2,373,268 |
| 1983 | ND | ND | 61,927 | 488,203 | ND | ND | 61,927 | 488,203 |
| 1984 | ND | ND | 110,128 | 949,965 | ND | ND | 110,128 | 949,965 |
| 1985 | 0 | 0 | 191,162 | 1,709,637 | ND | ND | 191,162 | 1,709,637 |
| 1986 | ND | ND | 116,633 | 867,195 | ND | ND | 116,633 | 867,195 |
| 1987 | 0 | 0 | 150,414 | 1,189,803 | ND | ND | 150,414 | 1,189,803 |
| 1988 | 0 | 0 | 370,420 | 2,889,427 | ND | ND | 370,420 | 2,889,427 |
| 1989 | 0 | 0 | 68,233 | 559,140 | ND | ND | 68,233 | 559,140 |
| 1990 | 0 | 0 | 130,131 | 933,745 | ND | ND | 130,131 | 933,745 |
| 1991 | 42 | 253 | 165,583 | 1,182,704 | ND | ND | 165,625 | 1,182,957 |
| 1992 | 1 | 8 | 310,942 | 2,362,683 | ND | ND | 310,943 | 2,362,691 |
| 1993 | 356 | 2,024 | 229,103 | 1,459,220 | ND | ND | 229,459 | 1,461,244 |
| 1994 | 103 | 506 | 237,101 | 1,996,320 | ND | ND | 237,204 | 1,996,826 |
| 1995 | 0 | 0 | 280,605 | 2,062,086 | 913 | 6,709 | 281,518 | 2,068,795 |
| 1996 | 0 | 0 | 193,226 | 1,485,947 | 20 | 154 | 193,246 | 1,486,101 |
| 1997 | 0 | 0 | 90,908 | 756,509 | 0 | 0 | 90,908 | 756,509 |
| 1998 | 0 | 0 | 129,512 | 1,045,823 | 27 | 218 | 129,539 | 1,046,041 |
| 1999 | 0 | 0 | 89,410 | 617,320 | 200 | 1,381 | 89,610 | 618,701 |
| 2000 | 0 | 0 | 123,222 | 943,536 | 0 | 0 | 123,222 | 943,536 |
| 2001 | 0 | 0 | 131,441 | 1,012,153 | 7 | 54 | 131,448 | 1,012,207 |
| 2002 | 0 | 0 | 49,208 | 360,781 | 164 | 1,202 | 49,372 | 361,983 |
| 2003 | 44 | 287 | 103,778 | 857,097 | 74 | 611 | 103,896 | 857,995 |
| 2004 | 0 | 0 | 37 | 283 | 0 | 0 | 37 | 283 |
| 2005 | 0 | 0 | 6,951 | 46,970 | 5 | 30 | 6,956 | 47,000 |
| 2006 | 0 | 0 | 39,046 | 290,720 | 175 | 1,312 | 39,221 | 292,032 |
| 2007 | 0 | 0 | 73,221 | 543,761 | 56 | 416 | 73,277 | 544,177 |
| 2008 | 0 | 0 | 161,536 | 1,290,277 | 0 | 0 | 161,536 | 1,290,277 |
| 2009 | 0 | 0 | 110,373 | 732,346 | 0 | 0 | 110,373 | 732,346 |
| 2010 | 0 | 0 | 159,198 | 1,137,878 | 0 | 0 | 159,198 | 1,137,878 |
| 2011 | 0 | 0 | 76,776 | 519,422 | 16 | 147 | 76,792 | 519,569 |
| 2012 | 0 | 0 | 33,316 | 225,799 | 0 | 0 | 33,316 | 225,799 |
| 2013 | 0 | 0 | 32,254 | 225,985 | 28 | 277 | 32,282 | 226,262 |
| 2014 | 0 | 0 | 132,459 | 1,091,310 | 0 | 0 | 132,549 | 1,091,310 |
| Averages | | | | | | | | |
| 1994–2013 | 7 | 40 | 106,056 | 807,551 | 89 | 658 | 106,148 | 808,216 |
| 2004–2013 | 0 | 0 | 69,271 | 501,344 | 28 | 218 | 69,299 | 501,562 |
| 2009–2013 | 0 | 0 | 82,383 | 568,286 | 9 | 85 | 82,392 | 568,371 |

[a] Weights of home pack fish are not reported on fish tickets; therefore, the weights were calculated from the average weight of the commercial harvest for that year.

Table 24.–Chignik Management Area coho salmon harvest (including home pack and the department's test fishery catches), by district and year, 1980 through 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Year | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 1980 | 49,784 | 7,167 | 13,872 | 34,631 | 14,119 | 119,573 |
| 1981 | 35,578 | 8,693 | 6,222 | 22,047 | 6,265 | 78,805 |
| 1982 | 132,262 | 6,564 | 31,476 | 122,707 | 7,264 | 300,273 |
| 1983 | 29,519 | 330 | 441 | 27,173 | 4,464 | 61,927 |
| 1984 | 72,722 | 1,705 | 403 | 33,263 | 2,035 | 110,128 |
| 1985 | 156,553 | 7,111 | 3,203 | 23,357 | 938 | 191,162 |
| 1986 | 60,197 | 3,027 | 1,033 | 33,726 | 18,650 | 116,633 |
| 1987 | 77,333 | 3,806 | 7 | 58,688 | 10,580 | 150,414 |
| 1988 | 94,292 | 21,628 | 6,167 | 207,086 | 41,247 | 370,420 |
| 1989 | 68,231 | 2 | 0 | 0 | 0 | 68,233 |
| 1990 | 61,260 | 27,659 | 32 | 23,422 | 17,758 | 130,131 |
| 1991 | 56,574 | 9,294 | 1,187 | 57,373 | 41,197 | 165,625 |
| 1992 | 80,946 | 19,612 | 4,260 | 140,560 | 65,565 | 310,943 |
| 1993 | 48,808 | 36,421 | 4,240 | 84,056 | 55,934 | 229,459 |
| 1994 | 70,541 | 19,794 | 176 | 110,476 | 36,217 | 237,204 |
| 1995 | 54,646 | 46,975 | 458 | 88,116 | 91,323 | 281,518 |
| 1996 | 45,361 | 35,440 | 33 | 91,587 | 20,825 | 193,246 |
| 1997 | 32,847 | 45,878 | 1,801 | 9,139 | 1,243 | 90,908 |
| 1998 | 23,070 | 32,743 | 1,227 | 55,359 | 17,140 | 129,539 |
| 1999 | 23,144 | 24,308 | 3,095 | 36,405 | 2,658 | 89,610 |
| 2000 | 11,620 | 37,943 | 2,555 | 69,599 | 1,505 | 123,222 |
| 2001 | 10,007 | 31,062 | 2,303 | 86,580 | 1,496 | 131,448 |
| 2002 | 8,461 | 4,442 | 0 | 36,283 | 186 | 49,372 |
| 2003 | 37,800 | 7,632 | 0 | 55,225 | 3,239 | 103,896 |
| 2004 | 37 | 0 | 0 | 0 | 0 | 37 |
| 2005 | 510 | 730 | 12 | 5,045 | 659 | 6,956 |
| 2006 | 7,057 | 2,170 | 1 | 29,993 | 0 | 39,221 |
| 2007 | 11,790 | 12,830 | 420 | 47,525 | 712 | 73,277 |
| 2008 | 46,400 | 7,647 | 1,052 | 97,153 | 9,284 | 161,536 |
| 2009 | 9,570 | 13,276 | 2,888 | 80,395 | 4,244 | 110,373 |
| 2010 | 17,469 | 27,982 | 3,109 | 104,886 | 5,752 | 159,198 |
| 2011 | 1,801 | 12,915 | 354 | 50,504 | 11,218 | 76,792 |
| 2012 | 6,545 | 4,667 | 36 | 22,037 | 31 | 33,316 |
| 2013 | 4,146 | 8,208 | 521 | 16,770 | 2,637 | 32,282 |
| 2014 | 6,550 | 17,584 | 653 | 98,345 | 9,327 | 132,459 |
| Averages | | | | | | |
| 1994–2013 | 21,141 | 18,832 | 1,002 | 54,654 | 10,518 | 106,148 |
| 2004–2013 | 10,533 | 9,043 | 839 | 45,431 | 3,454 | 69,299 |
| 2009–2013 | 7,906 | 13,410 | 1,382 | 54,918 | 4,776 | 82,392 |

Table 25.–Chignik Management Area coho salmon harvest (including home pack and the department's test fishery catches), by district and day, 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Date | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 6/10 | 0 | Closed | Closed | Closed | Closed | 0 |
| 6/11–6/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/15 | 0 | Closed | Closed | Closed | Closed | 0 |
| 6/16 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/17 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/18 | 0 | Closed | Closed | Closed | Closed | 0 |
| 6/19–7/10 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/11 | 0 | Closed | Closed | Closed | Closed | 0 |
| 7/12 | 0 | 134 | 0 | 349 | 0 | 483 |
| 7/13 | 4 | 1,090 | 0 | 110 | 0 | 1,204 |
| 7/14 | 169 | 497 | 0 | 130 | 0 | 796 |
| 7/15 | 2 | 698 | 0 | 161 | 0 | 861 |
| 7/16 | 0 | 330 | 0 | 372 | 0 | 702 |
| 7/17 | 3 | 306 | 0 | 2,818 | 0 | 3,127 |
| 7/18 | 83 | 402 | 650 | 3,874 | 0 | 5,009 |
| 7/19 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/20 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/21 | 11 | 406 | 0 | 3,223 | 0 | 3,640 |
| 7/22 | 1 | 1,016 | 0 | 4,161 | 0 | 5,178 |
| 7/23 | 57 | 829 | 0 | 642 | 0 | 1,528 |
| 7/24 | 1 | 322 | 0 | 5,014 | 534 | 5,871 |
| 7/25 | 0 | 409 | 0 | 3,564 | 0 | 3,973 |
| 7/26 | 11 | 405 | 0 | 5,824 | 0 | 6,240 |
| 7/27 | 199 | 298 | 0 | 2,844 | 961 | 4,302 |
| 7/28 | 30 | 874 | 3 | 3,033 | 0 | 3,940 |
| 7/29 | 60 | 469 | 0 | 1,030 | 0 | 1,649 |
| 7/30 | 74 | 126 | 0 | 3,833 | 0 | 4,033 |
| 7/31 | 20 | 1,246 | 0 | 3,439 | 0 | 4,705 |
| 8/1 | 287 | 346 | 0 | 3,007 | 1,700 | 5,340 |
| 8/2 | 857 | 866 | 0 | 2,155 | 76 | 3,954 |
| 8/3 | 711 | 1,103 | 0 | 4,875 | 0 | 6,689 |
| 8/4 | 238 | 918 | 0 | 3,735 | 1,205 | 6,096 |
| 8/5 | 190 | 24 | 0 | 2,716 | 1,355 | 4,285 |
| 8/6 | 19 | 1,214 | 0 | 3,771 | 1,107 | 6,111 |

-continued-

Table 25.–Page 2 of 2.

| Date | District | | | | | Total |
|---|---|---|---|---|---|---|
| | Chignik Bay | Central | Eastern | Western | Perryville | |
| 8/7 | 12 | 37 | Closed | 43 | 411 | 503 |
| 8/8 | 478 | 2,203 | Closed | 7,871 | 975 | 11,527 |
| 8/9 | 13 | 316 | Closed | 6,039 | 284 | 6,652 |
| 8/10 | 0 | 515 | Closed | 6,084 | 719 | 7,318 |
| 8/11 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/12 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/13 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/15 | 6 | 0 | Closed | 2,087 | Closed | 2,093 |
| 8/16 | 33 | 185 | Closed | 2,404 | 0 | 2,622 |
| 8/17 | 67 | 0 | Closed | 1,660 | 0 | 1,727 |
| 8/18 | 66 | 0 | Closed | 2,382 | 0 | 2,448 |
| 8/19 | 89 | 0 | Closed | 2,203 | 0 | 2,292 |
| 8/20 | 122 | 0 | 0 | 0 | 0 | 122 |
| 8/21 | 286 | 0 | 0 | 545 | 0 | 831 |
| 8/22 | 327 | 0 | Closed | 0 | 0 | 327 |
| 8/23 | 130 | 0 | Closed | 0 | 0 | 130 |
| 8/24 | 77 | 0 | Closed | 0 | 0 | 77 |
| 8/25 | 128 | 0 | Closed | 257 | 0 | 385 |
| 8/26 | 1,248 | 0 | Closed | 1,194 | 0 | 2,442 |
| 8/27 | 441 | 0 | Closed | 896 | 0 | 1,337 |
| 8/28 | -processors stopped buying- | | | | | |
| Total | 6,550 | 17,584 | 653 | 98,345 | 9,327 | 132,549 |

Table 26.–Chignik Management Area pink salmon harvest, by year, 1980 through 2014.

| | Testfish | | Commercial catch | | Home pack | | Total | |
|---|---|---|---|---|---|---|---|---|
| Year | Number | Pounds | Number | Pounds | Number | Pounds[a] | Number | Pounds |
| 1980 | ND | ND | 1,093,184 | 3,635,145 | ND | ND | 1,093,184 | 3,635,145 |
| 1981 | ND | ND | 1,162,613 | 4,479,368 | ND | ND | 1,162,613 | 4,479,368 |
| 1982 | ND | ND | 873,384 | 2,916,671 | ND | ND | 873,384 | 2,916,671 |
| 1983 | ND | ND | 321,178 | 1,200,888 | ND | ND | 321,178 | 1,200,888 |
| 1984 | ND | ND | 444,804 | 1,651,249 | ND | ND | 444,804 | 1,651,249 |
| 1985 | 0 | 0 | 160,128 | 643,731 | ND | ND | 160,128 | 643,731 |
| 1986 | ND | ND | 647,125 | 2,374,311 | ND | ND | 647,125 | 2,374,311 |
| 1987 | 0 | 0 | 246,775 | 899,560 | ND | ND | 246,775 | 899,560 |
| 1988 | 0 | 0 | 2,997,159 | 10,723,505 | ND | ND | 2,997,159 | 10,723,505 |
| 1989 | 0 | 0 | 27,712 | 94,269 | ND | ND | 27,712 | 94,269 |
| 1990 | 0 | 0 | 550,008 | 1,675,644 | ND | ND | 550,008 | 1,675,644 |
| 1991 | 2,660 | 9,237 | 1,166,588 | 3,348,394 | ND | ND | 1,169,248 | 3,357,631 |
| 1992 | 114 | 536 | 1,553,959 | 5,798,623 | ND | ND | 1,554,073 | 5,799,159 |
| 1993 | 1,826 | 5,539 | 1,646,551 | 5,308,258 | ND | ND | 1,648,377 | 5,313,797 |
| 1994 | 14 | 55 | 431,049 | 1,494,604 | ND | ND | 431,063 | 1,494,659 |
| 1995 | 0 | 0 | 2,057,998 | 7,350,386 | 0 | 0 | 2,057,998 | 7,350,386 |
| 1996 | 0 | 0 | 183,806 | 536,218 | 5,262 | 15,351 | 189,068 | 551,569 |
| 1997 | 0 | 0 | 844,431 | 2,784,333 | 0 | 0 | 844,431 | 2,784,333 |
| 1998 | 0 | 0 | 776,988 | 2,586,026 | 0 | 0 | 776,988 | 2,586,026 |
| 1999 | 0 | 0 | 1,698,651 | 4,845,435 | 0 | 0 | 1,698,651 | 4,845,435 |
| 2000 | 0 | 0 | 428,064 | 1,183,004 | 0 | 0 | 428,064 | 1,183,004 |
| 2001 | 0 | 0 | 1,281,760 | 4,077,814 | 7 | 22 | 1,281,767 | 4,077,836 |
| 2002 | 66 | 276 | 65,984 | 206,385 | 0 | 0 | 66,050 | 206,661 |
| 2003 | 570 | 2,167 | 501,661 | 1,951,928 | 407 | 1,584 | 502,638 | 1,955,679 |
| 2004 | 0 | 0 | 2,380 | 7,589 | 0 | 0 | 2,380 | 7,589 |
| 2005 | 8 | 48 | 193,803 | 611,023 | 234 | 813 | 194,045 | 611,884 |
| 2006 | 0 | 0 | 383,574 | 1,403,428 | 0 | 0 | 383,574 | 1,403,428 |
| 2007 | 0 | 0 | 2,019,748 | 7,388,012 | 0 | 0 | 2,019,748 | 7,388,012 |
| 2008 | 0 | 0 | 2,389,958 | 8,192,350 | 0 | 0 | 2,389,958 | 8,192,350 |
| 2009 | 0 | 0 | 1,408,339 | 4,502,661 | 0 | 0 | 1,408,339 | 4,502,661 |
| 2010 | 0 | 0 | 489,774 | 1,663,961 | 7 | 24 | 489,781 | 1,663,985 |
| 2011 | 58 | 154 | 905,108 | 2,882,546 | 0 | 0 | 905,166 | 2,882,700 |
| 2012 | 0 | 0 | 137,684 | 452,160 | 22 | 65 | 137,706 | 452,225 |
| 2013 | 3 | 6 | 871,594 | 2,610,076 | 0 | 0 | 871,597 | 2,610,082 |
| 2014 | 16 | 60 | 352,099 | 1,138,241 | 0 | 0 | 352,115 | 1,138,301 |
| Averages | | | | | | | | |
| 1994–2013 | 36 | 135 | 853,618 | 2,836,497 | 313 | 940 | 853,951 | 2,837,525 |
| 2004–2013 | 7 | 21 | 880,196 | 2,971,381 | 26 | 90 | 880,229 | 2,971,492 |
| 2009–2013 | 12 | 32 | 762,500 | 2,422,281 | 6 | 18 | 762,518 | 2,422,331 |

[a] Weights of home pack fish are not reported on fish tickets; therefore, they were calculated from the average weight of the commercial harvest.

Table 27.–Chignik Management Area pink salmon harvest (including home pack and the department's test fishery catches), by district and year, 1980 through 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Year | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 1980 | 180,912 | 108,682 | 472,510 | 216,460 | 114,620 | 1,093,184 |
| 1981 | 121,380 | 210,023 | 173,293 | 433,605 | 224,312 | 1,162,613 |
| 1982 | 82,973 | 80,606 | 89,074 | 602,408 | 18,323 | 873,384 |
| 1983 | 27,284 | 7,861 | 7,817 | 164,338 | 113,878 | 321,178 |
| 1984 | 165,178 | 47,250 | 57,715 | 173,820 | 841 | 444,804 |
| 1985 | 14,429 | 16,087 | 6,570 | 80,577 | 42,465 | 160,128 |
| 1986 | 191,264 | 44,127 | 49,635 | 200,793 | 161,306 | 647,125 |
| 1987 | 13,887 | 7,769 | 2,079 | 187,701 | 35,339 | 246,775 |
| 1988 | 119,794 | 318,370 | 1,006,366 | 1,141,382 | 411,247 | 2,997,159 |
| 1989 | 27,691 | 21 | 0 | 0 | 0 | 27,712 |
| 1990 | 94,528 | 233,677 | 40,574 | 135,810 | 45,419 | 550,008 |
| 1991 | 76,163 | 173,967 | 27,979 | 419,264 | 471,875 | 1,169,248 |
| 1992 | 178,105 | 205,750 | 183,119 | 628,900 | 358,199 | 1,554,073 |
| 1993 | 55,909 | 205,037 | 52,755 | 685,605 | 649,071 | 1,648,377 |
| 1994 | 59,425 | 99,149 | 12,952 | 174,641 | 84,896 | 431,063 |
| 1995 | 106,939 | 469,745 | 8,572 | 791,718 | 681,024 | 2,057,998 |
| 1996 | 1,804 | 20,717 | 7,201 | 100,871 | 58,475 | 189,068 |
| 1997 | 39,461 | 603,575 | 72,347 | 118,003 | 11,045 | 844,431 |
| 1998 | 26,054 | 233,732 | 66,725 | 343,187 | 107,290 | 776,988 |
| 1999 | 59,001 | 664,208 | 40,571 | 771,411 | 163,460 | 1,698,651 |
| 2000 | 28,067 | 271,417 | 10,500 | 106,147 | 11,933 | 428,064 |
| 2001 | 75,142 | 641,438 | 97,438 | 424,537 | 43,212 | 1,281,767 |
| 2002 | 10,253 | 17,580 | 0 | 36,918 | 1,299 | 66,050 |
| 2003 | 56,042 | 88,736 | 267 | 326,239 | 31,354 | 502,638 |
| 2004 | 2,378 | 2 | 0 | 0 | 0 | 2,380 |
| 2005 | 71,438 | 99,491 | 21 | 20,952 | 2,143 | 194,045 |
| 2006 | 62,419 | 79,726 | 79,465 | 161,964 | 0 | 383,574 |
| 2007 | 187,670 | 612,921 | 43,379 | 1,152,331 | 23,447 | 2,019,748 |
| 2008 | 232,444 | 369,298 | 416,520 | 1,062,482 | 309,214 | 2,389,958 |
| 2009 | 77,569 | 317,085 | 275,791 | 711,890 | 26,004 | 1,408,339 |
| 2010 | 30,683 | 183,008 | 43,264 | 225,716 | 7,110 | 489,781 |
| 2011 | 30,707 | 225,307 | 54,288 | 368,351 | 226,513 | 905,166 |
| 2012 | 10,096 | 55,030 | 4,946 | 67,523 | 111 | 137,706 |
| 2013 | 76,473 | 218,411 | 197,293 | 192,861 | 186,559 | 871,597 |
| 2014 | 11,663 | 98,984 | 2,964 | 226,008 | 12,496 | 352,115 |
| Averages | | | | | | |
| 1994–2013 | 62,203 | 263,529 | 71,577 | 357,887 | 98,754 | 853,951 |
| 2004–2013 | 78,188 | 216,028 | 111,497 | 396,407 | 78,110 | 880,229 |
| 2009–2013 | 45,106 | 199,768 | 115,116 | 313,268 | 89,259 | 762,518 |

Table 28.–Chignik Management Area pink salmon harvest (including home pack and the department's test fishery catches), by district and day, 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Date | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 6/2 | | | | | | |
| 6/10 | 0 | Closed | Closed | Closed | Closed | 0 |
| 6/11–6/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/15 | 0 | Closed | Closed | Closed | Closed | 0 |
| 6/16 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/17 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/18 | 0 | Closed | Closed | Closed | Closed | 0 |
| 6/19–7/10 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/11 | 16 | Closed | Closed | Closed | Closed | 16 |
| 7/12 | 11 | 426 | 0 | 1,679 | 0 | 2,116 |
| 7/13 | 47 | 3,428 | 0 | 632 | 0 | 4,107 |
| 7/14 | 148 | 2,767 | 0 | 703 | 0 | 3,618 |
| 7/15 | 36 | 4,277 | 0 | 1,648 | 0 | 5,961 |
| 7/16 | 60 | 3,305 | 0 | 1,289 | 0 | 4,654 |
| 7/17 | 50 | 2,759 | 0 | 3,434 | 0 | 6,243 |
| 7/18 | 155 | 2,375 | 345 | 4,558 | 0 | 7,433 |
| 7/19 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/20 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/21 | 254 | 4,103 | 0 | 2,679 | 0 | 7,036 |
| 7/22 | 135 | 7,058 | 0 | 4,859 | 0 | 12,052 |
| 7/23 | 127 | 5,886 | 0 | 825 | 0 | 6,838 |
| 7/24 | 120 | 4,720 | 0 | 7,343 | 965 | 13,148 |
| 7/25 | 84 | 4,617 | 0 | 4,085 | 0 | 8,786 |
| 7/26 | 142 | 3,647 | 0 | 7,046 | 0 | 10,835 |
| 7/27 | 1,808 | 1,738 | 0 | 9,696 | 1,204 | 14,446 |
| 7/28 | 156 | 4,769 | 1,867 | 8,483 | 0 | 15,275 |
| 7/29 | 295 | 3,720 | 0 | 3,789 | 0 | 8,655 |
| 7/30 | 442 | 2,696 | 0 | 17,223 | 0 | 20,361 |
| 7/31 | 240 | 6,645 | 0 | 19,692 | 0 | 26,577 |

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Table 28.–Page 2 of 2.

| Date | District | | | | | Total |
|---|---|---|---|---|---|---|
| | Chignik Bay | Central | Eastern | Western | Perryville | |
| 8/1 | 936 | 2,133 | 0 | 13,379 | 3,875 | 20,323 |
| 8/2 | 1,259 | 4,441 | 0 | 10,189 | 174 | 16,063 |
| 8/3 | 1,387 | 2,646 | 0 | 22,543 | 0 | 26,576 |
| 8/4 | 610 | 3,013 | 0 | 19,792 | 1,114 | 24,529 |
| 8/5 | 530 | 233 | 752 | 5,683 | 1,102 | 8,300 |
| 8/6 | 381 | 5,008 | 0 | 10,175 | 1,184 | 16,748 |
| 8/7 | 160 | 184 | Closed | 92 | 874 | 1,310 |
| 8/8 | 219 | 9,007 | Closed | 16,250 | 1,119 | 26,595 |
| 8/9 | 316 | 1,461 | Closed | 7,954 | 455 | 10,186 |
| 8/10 | 169 | 1,509 | Closed | 11,102 | 430 | 13,210 |
| 8/11 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/12 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/13 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/15 | 165 | 0 | Closed | 1,626 | Closed | 1,791 |
| 8/16 | 190 | 413 | Closed | 2,547 | 0 | 3,150 |
| 8/17 | 197 | 0 | Closed | 927 | 0 | 1,124 |
| 8/18 | 110 | 0 | Closed | 1,599 | 0 | 1,709 |
| 8/19 | 126 | 0 | Closed | 1,644 | 0 | 1,770 |
| 8/20 | 47 | 0 | 0 | 0 | 0 | 47 |
| 8/21 | 157 | 0 | 0 | 347 | 0 | 504 |
| 8/22 | 59 | 0 | Closed | 0 | 0 | 59 |
| 8/23 | 10 | 0 | Closed | 0 | 0 | 10 |
| 8/24 | 21 | 0 | Closed | 0 | 0 | 21 |
| 8/25 | 4 | 0 | Closed | 50 | 0 | 54 |
| 8/26 | 268 | 0 | Closed | 373 | 0 | 641 |
| 8/27 | 16 | 0 | Closed | 73 | 0 | 89 |
| 8/28 | -processors stopped buying- | | | | | |
| Total | 11,663 | 99,984 | 2,964 | 226,008 | 12,496 | 352,966 |

Table 29.–Chignik Management Area chum salmon harvest, by year, 1980 through 2014.

| | Testfish | | Commercial catch | | Home pack | | Total | |
|---|---|---|---|---|---|---|---|---|
| Year | Number | Pounds | Number | Pounds | Number | Pounds [a] | Number | Pounds |
| 1980 | ND | ND | 252,521 | 1,765,287 | ND | ND | 252,521 | 1,765,287 |
| 1981 | ND | ND | 580,332 | 4,502,632 | ND | ND | 580,332 | 4,502,632 |
| 1982 | ND | ND | 390,096 | 3,231,403 | ND | ND | 390,096 | 3,231,403 |
| 1983 | ND | ND | 159,412 | 1,205,266 | ND | ND | 159,412 | 1,205,266 |
| 1984 | ND | ND | 63,303 | 485,967 | ND | ND | 63,303 | 485,967 |
| 1985 | 0 | 0 | 22,805 | 145,276 | ND | ND | 22,805 | 145,276 |
| 1986 | ND | ND | 176,640 | 1,304,418 | ND | ND | 176,640 | 1,304,418 |
| 1987 | 0 | 0 | 127,261 | 943,941 | ND | ND | 127,261 | 943,941 |
| 1988 | 0 | 0 | 267,775 | 2,196,377 | ND | ND | 267,775 | 2,196,377 |
| 1989 | 0 | 0 | 1,624 | 11,888 | ND | ND | 1,624 | 11,888 |
| 1990 | 0 | 0 | 270,004 | 1,757,019 | ND | ND | 270,004 | 1,757,019 |
| 1991 | 607 | 4,260 | 260,489 | 1,671,939 | ND | ND | 261,096 | 1,676,199 |
| 1992 | 16 | 140 | 222,118 | 1,592,186 | ND | ND | 222,134 | 1,592,326 |
| 1993 | 57 | 300 | 122,303 | 735,747 | ND | ND | 122,360 | 736,047 |
| 1994 | 521 | 3,437 | 226,755 | 1,627,574 | ND | ND | 227,276 | 1,631,011 |
| 1995 | 0 | 0 | 380,949 | 2,814,987 | 5 | 37 | 380,954 | 2,815,024 |
| 1996 | 0 | 0 | 99,791 | 779,840 | 21,100 | 164,891 | 120,891 | 944,731 |
| 1997 | 0 | 0 | 155,905 | 1,196,999 | 0 | 0 | 155,905 | 1,196,999 |
| 1998 | 0 | 0 | 128,841 | 917,648 | 155 | 1,104 | 128,996 | 918,752 |
| 1999 | 0 | 0 | 140,594 | 1,064,433 | 3 | 0 | 140,597 | 1,064,433 |
| 2000 | 0 | 0 | 120,957 | 1,033,665 | 0 | 0 | 120,957 | 1,033,665 |
| 2001 | 0 | 0 | 198,874 | 1,609,533 | 129 | 1,044 | 199,003 | 1,610,577 |
| 2002 | 46 | 334 | 54,513 | 406,382 | 0 | 0 | 54,559 | 406,716 |
| 2003 | 137 | 1,394 | 63,907 | 447,921 | 0 | 0 | 64,044 | 449,315 |
| 2004 | 0 | 0 | 505 | 3,803 | 0 | 0 | 505 | 3,803 |
| 2005 | 2 | 15 | 8,704 | 63,379 | 115 | 825 | 8,821 | 64,219 |
| 2006 | 0 | 0 | 61,630 | 450,686 | 0 | 0 | 61,630 | 450,686 |
| 2007 | 0 | 0 | 78,552 | 648,355 | 1 | 8 | 78,553 | 648,363 |
| 2008 | 0 | 0 | 209,325 | 1,726,108 | 0 | 0 | 209,325 | 1,726,108 |
| 2009 | 0 | 0 | 256,424 | 1,922,522 | 1 | 9 | 256,425 | 1,922,531 |
| 2010 | 0 | 0 | 581,329 | 4,437,042 | 0 | 0 | 581,329 | 4,437,042 |
| 2011 | 11 | 91 | 269,492 | 1,857,512 | 0 | 0 | 269,503 | 1,857,603 |
| 2012 | 0 | 0 | 170,872 | 1,533,079 | 240 | 1,780 | 171,112 | 1,534,859 |
| 2013 | 0 | 0 | 154,679 | 1,194,080 | 0 | 0 | 154,679 | 1,194,080 |
| 2014 | 3 | 24 | 55,149 | 458,475 | 0 | 0 | 55,152 | 458,499 |
| Averages | | | | | | | | |
| 1994–2013 | 36 | 264 | 168,130 | 1,286,777 | 1,145 | 8,931 | 169,253 | 1,295,526 |
| 2004–2013 | 1 | 11 | 179,151 | 1,383,657 | 36 | 262 | 179,188 | 1,383,929 |
| 2009–2013 | 2 | 18 | 286,559 | 2,188,847 | 48 | 358 | 286,610 | 2,189,223 |

[a] Weights of home pack fish are not reported on all fish tickets; therefore, they were calculated from the average weight of the commercial harvest.

Table 30.–Chignik Management Area chum salmon harvest (including home pack and the department's test fishery catches), by district and year, 1980 through 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Year | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 1980 | 19,944 | 38,902 | 56,805 | 91,868 | 45,002 | 252,521 |
| 1981 | 38,061 | 160,730 | 108,668 | 221,579 | 51,294 | 580,332 |
| 1982 | 16,034 | 33,669 | 64,513 | 253,299 | 22,581 | 390,096 |
| 1983 | 16,747 | 9,815 | 8,250 | 101,959 | 22,641 | 159,412 |
| 1984 | 8,173 | 8,150 | 21,134 | 25,364 | 482 | 63,303 |
| 1985 | 4,905 | 5,242 | 864 | 10,704 | 1,090 | 22,805 |
| 1986 | 18,167 | 29,502 | 17,880 | 74,070 | 37,021 | 176,640 |
| 1987 | 5,163 | 9,437 | 8,890 | 86,898 | 16,873 | 127,261 |
| 1988 | 7,013 | 39,316 | 77,511 | 102,730 | 41,205 | 267,775 |
| 1989 | 1,587 | 34 | 3 | 0 | 0 | 1,624 |
| 1990 | 11,460 | 113,741 | 27,463 | 91,603 | 25,737 | 270,004 |
| 1991 | 17,545 | 51,429 | 4,925 | 98,603 | 88,594 | 261,096 |
| 1992 | 12,711 | 45,569 | 61,209 | 65,466 | 37,179 | 222,134 |
| 1993 | 8,116 | 43,306 | 21,157 | 25,045 | 24,736 | 122,360 |
| 1994 | 25,250 | 69,552 | 4,333 | 94,116 | 34,025 | 227,276 |
| 1995 | 14,588 | 107,066 | 8,074 | 158,273 | 92,953 | 380,954 |
| 1996 | 782 | 46,993 | 19,837 | 36,303 | 16,976 | 120,891 |
| 1997 | 20,978 | 104,259 | 11,397 | 16,280 | 2,991 | 155,905 |
| 1998 | 7,352 | 43,191 | 5,180 | 41,425 | 31,848 | 128,996 |
| 1999 | 12,150 | 75,495 | 11,332 | 37,089 | 4,531 | 140,597 |
| 2000 | 8,389 | 66,904 | 8,045 | 34,823 | 2,796 | 120,957 |
| 2001 | 11,534 | 84,132 | 50,911 | 37,466 | 14,960 | 199,003 |
| 2002 | 3,949 | 9,643 | 513 | 40,337 | 117 | 54,559 |
| 2003 | 10,891 | 11,304 | 50 | 39,883 | 1,916 | 64,044 |
| 2004 | 499 | 6 | 0 | 0 | 0 | 505 |
| 2005 | 2,370 | 5,329 | 2 | 1,054 | 66 | 8,821 |
| 2006 | 2,303 | 9,455 | 776 | 49,096 | 0 | 61,630 |
| 2007 | 3,829 | 19,595 | 7,851 | 46,943 | 335 | 78,553 |
| 2008 | 13,453 | 40,130 | 58,925 | 88,078 | 8,739 | 209,325 |
| 2009 | 14,553 | 62,149 | 59,800 | 116,231 | 3,692 | 256,425 |
| 2010 | 27,388 | 226,501 | 116,336 | 204,911 | 6,193 | 581,329 |
| 2011 | 9,077 | 116,580 | 51,989 | 75,363 | 16,494 | 269,503 |
| 2012 | 5,523 | 88,120 | 21,227 | 56,125 | 117 | 171,112 |
| 2013 | 9,202 | 57,085 | 45,253 | 38,237 | 4,902 | 154,679 |
| 2014 | 4,329 | 20,750 | 610 | 26,578 | 2,885 | 55,152 |
| Averages | | | | | | |
| 1994–2013 | 10,203 | 62,174 | 24,092 | 60,602 | 12,183 | 169,253 |
| 2004–2013 | 8,820 | 62,495 | 36,216 | 67,604 | 4,054 | 179,188 |
| 2009–2013 | 13,149 | 110,087 | 58,921 | 98,173 | 6,280 | 286,610 |

Table 31.–Chignik Management Area chum salmon harvest (including home pack and the department's test fishery catches), by district and day, 2014.

| | District | | | | | |
|---|---|---|---|---|---|---|
| Date | Chignik Bay | Central | Eastern | Western | Perryville | Total |
| 6/10 | 0 | Closed | Closed | Closed | Closed | 0 |
| 6/11–6/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/15 | 0 | Closed | Closed | Closed | Closed | 0 |
| 6/16 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/17 | Closed | Closed | Closed | Closed | Closed | Closed |
| 6/18 | 0 | Closed | Closed | Closed | Closed | 0 |
| 6/19–7/10 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/11 | 3 | Closed | Closed | Closed | Closed | 3 |
| 7/12 | 39 | 264 | 0 | 412 | 0 | 715 |
| 7/13 | 55 | 1,015 | 0 | 116 | 0 | 1,186 |
| 7/14 | 150 | 995 | 0 | 243 | 0 | 1,388 |
| 7/15 | 23 | 948 | 0 | 453 | 0 | 1,424 |
| 7/16 | 28 | 938 | 0 | 647 | 0 | 1,613 |
| 7/17 | 23 | 419 | 0 | 1,592 | 0 | 2,034 |
| 7/18 | 63 | 1,919 | 27 | 1,896 | 0 | 3,905 |
| 7/19 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/20 | Closed | Closed | Closed | Closed | Closed | Closed |
| 7/21 | 59 | 618 | 0 | 1,502 | 0 | 2,179 |
| 7/22 | 34 | 1,253 | 0 | 991 | 0 | 2,278 |
| 7/23 | 59 | 1,287 | 0 | 154 | 0 | 1,500 |
| 7/24 | 52 | 871 | 0 | 940 | 99 | 1,962 |
| 7/25 | 37 | 900 | 0 | 329 | 0 | 1,266 |
| 7/26 | 58 | 968 | 0 | 1,383 | 0 | 2,409 |
| 7/27 | 745 | 476 | 0 | 1,080 | 473 | 2,774 |
| 7/28 | 67 | 1,199 | 317 | 972 | 0 | 2,555 |
| 7/29 | 91 | 766 | 0 | 440 | 0 | 1,515 |
| 7/30 | 148 | 595 | 0 | 1,105 | 0 | 1,848 |
| 7/31 | 66 | 1,593 | 0 | 1,098 | 0 | 2,757 |

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Table 31.–Page 2 of 2.

| Date | District | | | | | Total |
|---|---|---|---|---|---|---|
| | Chignik Bay | Central | Eastern | Western | Perryville | |
| 8/1 | 268 | 504 | 0 | 636 | 378 | 1,786 |
| 8/2 | 486 | 600 | 0 | 783 | 1 | 1,870 |
| 8/3 | 331 | 340 | 0 | 1,841 | 0 | 2,512 |
| 8/4 | 160 | 362 | 0 | 1,202 | 301 | 2,025 |
| 8/5 | 221 | 107 | 266 | 544 | 379 | 1,517 |
| 8/6 | 135 | 418 | 0 | 835 | 300 | 1,688 |
| 8/7 | 58 | 31 | Closed | 31 | 122 | 242 |
| 8/8 | 104 | 943 | Closed | 1,198 | 295 | 2,540 |
| 8/9 | 76 | 134 | Closed | 886 | 265 | 1,361 |
| 8/10 | 45 | 178 | Closed | 900 | 272 | 1,395 |
| 8/11 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/12 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/13 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/14 | Closed | Closed | Closed | Closed | Closed | Closed |
| 8/15 | 57 | 0 | Closed | 405 | Closed | 462 |
| 8/16 | 92 | 109 | Closed | 585 | 0 | 786 |
| 8/17 | 102 | 0 | Closed | 380 | 0 | 482 |
| 8/18 | 39 | 0 | Closed | 359 | 0 | 398 |
| 8/19 | 59 | 0 | Closed | 344 | 0 | 403 |
| 8/20 | 28 | 0 | 0 | 0 | 0 | 28 |
| 8/21 | 81 | 0 | 0 | 81 | 0 | 162 |
| 8/22 | 18 | 0 | Closed | 0 | 0 | 18 |
| 8/23 | 0 | 0 | Closed | 0 | 0 | 0 |
| 8/24 | 7 | 0 | Closed | 0 | 0 | 7 |
| 8/25 | 1 | 0 | Closed | 2 | 0 | 3 |
| 8/26 | 150 | 0 | Closed | 73 | 0 | 223 |
| 8/27 | 11 | 0 | Closed | 140 | 0 | 151 |
| 8/28 | -processors stopped buying- | | | | | |
| Total | 4,329 | 20,750 | 610 | 26,578 | 2,885 | 55,152 |

Table 32.–Value of the commercial salmon harvest, by species, and average value per active permit, in dollars, in the Chignik Management Area, 1970 through 2014.

| | Chinook | | Sockeye | | Coho | | Pink | | Chum | | | Number of | Value per |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Total[a] | Average[b] | Total[a] | Average[b] | Total[a] | Average[b] | Total[a] | Average[b] | Total[a] | Average[b] | Total Value | permits[c] | permit |
| 1970 | 6,129 | 77 | 2,190,272 | 27,378 | 18,397 | 230 | 635,673 | 7,946 | 376,025 | 4,700 | 3,226,496 | 80 | 40,331 |
| 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 | 25 | 825,498 | 10,319 | 35,699 | 446 | 48,401 | 605 | 87,759 | 1,097 | 999,385 | 80 | 12,492 |
| 1973 | 5,255 | 67 | 3,030,057 | 38,355 | 73,663 | 932 | 20,610 | 261 | 10,180 | 129 | 3,139,765 | 79 | 39,744 |
| 1974 | 2,941 | 31 | 3,618,781 | 38,498 | 31,933 | 340 | 64,069 | 682 | 51,125 | 544 | 3,768,849 | 94 | 40,094 |
| 1975 | 6,561 | 76 | 1,384,271 | 16,096 | 213,539 | 2,483 | 104,115 | 1,211 | 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 | 214 | 14,553,720 | 165,383 | 104,819 | 1,191 | 920,881 | 10,465 | 368,066 | 4,183 | 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 | 311 | 11,345,503 | 110,151 | 710,192 | 6,895 | 2,622,269 | 25,459 | 126,866 | 1,232 | 14,836,880 | 103 | 144,047 |
| 1980 | 67,657 | 651 | 5,532,290 | 53,195 | 520,655 | 5,006 | 1,477,060 | 14,203 | 1,061,963 | 10,211 | 8,659,625 | 104 | 83,266 |
| 1981 | 75,231 | 716 | 17,262,119 | 164,401 | 439,900 | 4,190 | 1,881,334 | 17,917 | 2,431,421 | 23,156 | 22,090,005 | 105 | 210,381 |
| 1982 | 75,276 | 731 | 13,038,510 | 126,587 | 1,782,027 | 17,301 | 578,184 | 5,613 | 1,356,597 | 13,171 | 16,830,594 | 103 | 163,404 |
| 1983 | 96,159 | 943 | 10,728,088 | 105,177 | 219,650 | 2,153 | 240,171 | 2,355 | 421,713 | 4,134 | 11,705,781 | 102 | 114,763 |
| 1984 | 114,502 | 1,145 | 20,402,076 | 204,021 | 759,972 | 7,600 | 330,916 | 3,309 | 146,024 | 1,460 | 21,753,490 | 100 | 217,535 |
| 1985 | 67,088 | 633 | 7,997,834 | 75,451 | 1,471,418 | 13,881 | 140,076 | 1,321 | 59,475 | 561 | 8,735,891 | 106 | 82,414 |
| 1986 | 84,800 | 831 | 16,882,290 | 165,513 | 667,740 | 6,546 | 356,147 | 3,492 | 456,546 | 4,476 | 18,447,523 | 102 | 180,858 |
| 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 | 103 | 257,287 |
| 1988 | 286,740 | 2,839 | 14,350,354 | 142,083 | 4,153,424 | 41,123 | 6,771,266 | 67,042 | 2,189,293 | 21,676 | 27,751,077 | 101 | 274,763 |
| 1989 | 78,999 | 790 | 13,047,378 | 130,474 | 436,892 | 4,369 | 32,994 | 330 | 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 | 490 | 11,002,784 | 107,870 | 650,626 | 6,379 | 402,916 | 3,950 | 502,860 | 4,930 | 12,609,213 | 102 | 123,620 |
| 1992 | 193,326 | 1,914 | 12,552,025 | 124,277 | 1,323,107 | 13,100 | 811,882 | 8,038 | 414,005 | 4,099 | 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 | 2,288 | 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 | 302 | 21,132,550 | 234,806 | 170,931 | 1,899 | 578,861 | 6,432 | 118,547 | 1,317 | 22,028,101 | 90 | 244,757 |

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Table 32.–Page 2 of 2.

| Year | Chinook | | Sockeye | | Coho | | Pink | | Chum | | Total Value | Number of permits[c] | Value per permit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total[a] | Average[b] | Total[a] | Average[b] | Total[a] | Average[b] | Total[a] | Average[b] | Total[a] | Average[b] | | | |
| 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 |
| 2002 | 3,516 | 36 | 4,564,214 | 46,103 | 36,078 | 364 | 10,333 | 104 | 40,671 | 411 | 4,654,812 | 99 | 47,018 |
| 2003 | 20,212 | 202 | 5,283,962 | 52,840 | 173,625 | 1,736 | 182,100 | 1,821 | 71,140 | 711 | 5,731,039 | 100 | 57,310 |
| 2004 | 26,191 | 262 | 3,568,350 | 35,684 | 59 | 1 | 835 | 8 | 647 | 6 | 3,596,082 | 100 | 35,961 |
| 2005 | 36,060 | 377 | 6,314,036 | 64,429 | 11,280 | 115 | 55,070 | 562 | 10,917 | 111 | 6,427,363 | 98 | 65,585 |
| 2006 | 26,895 | 560 | 4,703,317 | 97,986 | 105,132 | 2,190 | 126,309 | 2,631 | 81,123 | 1,690 | 5,042,776 | 48 | 105,058 |
| 2007 | 26,176 | 476 | 4,154,210 | 75,531 | 195,754 | 3,559 | 1,034,322 | 18,806 | 162,089 | 2,947 | 5,572,550 | 55 | 101,319 |
| 2008 | 15,249 | 282 | 4,121,611 | 76,326 | 778,282 | 14,413 | 1,810,965 | 33,536 | 533,358 | 9,877 | 7,259,465 | 54 | 134,435 |
| 2009 | 30,714 | 558 | 7,058,058 | 128,328 | 220,824 | 4,015 | 800,530 | 14,555 | 520,791 | 9,469 | 8,630,917 | 55 | 156,926 |
| 2010 | 160,076 | 2,463 | 9,549,462 | 146,915 | 566,191 | 8,711 | 565,941 | 8,707 | 1,774,763 | 27,304 | 12,616,433 | 65 | 194,099 |
| 2011 | 57,524 | 899 | 21,469,153 | 335,456 | 278,391 | 4,350 | 1,040,264 | 16,254 | 919,586 | 14,369 | 23,764,918 | 64 | 371,327 |
| 2012 | 47,612 | 690 | 12,803,505 | 185,558 | 97,430 | 1,412 | 146,011 | 2,116 | 634,705 | 9,199 | 13,729,262 | 69 | 198,975 |
| 2013 | 37,620 | 495 | 21,960,018 | 288,948 | 86,953 | 1,144 | 868,071 | 11,422 | 385,172 | 5,068 | 23,337,834 | 76 | 307,077 |
| 2014[d] | 66,875 | 955 | 6,040,512 | 86,293 | 434,394 | 6,206 | 286,942 | 4,099 | 185,016 | 2,643 | 7,013,739 | 70 | 100,196 |
| Averages | | | | | | | | | | | | | |
| 1994-2013 | 35,974 | 486 | 9,603,097 | 122,203 | 324,722 | 4,140 | 479,015 | 7,077 | 351,539 | 5,039 | 10,794,348 | 82 | 138,945 |
| 2004-2013 | 46,412 | 706 | 9,570,172 | 143,516 | 234,030 | 3,991 | 644,832 | 10,860 | 502,315 | 8,004 | 10,997,760 | 68 | 167,076 |
| 2009-2013 | 66,709 | 1,021 | 14,568,039 | 217,041 | 249,958 | 3,926 | 684,163 | 10,611 | 847,003 | 13,082 | 16,415,873 | 66 | 245,681 |

[a] Total value of commercial catch in dollars, by species. Total value does not include home pack or department test fishery.

[b] Average value of commercial catch in dollars, by species. Average value does not include home pack or department test fishery.

[c] Includes the number of commercial permits that received income from the harvest. These figures do not include department test fishery harvests.

[d] Values represent the initial price paid, and do not include any postseason adjustments by any processor. The average 2014 exvessel prices per pound were: Chinook – $0.88, sockeye – $1.47, coho – $0.40, pink – $0.25, chum – $0.41.

Table 33.–Historical number of subsistence permits issued and returned and estimated subsistence salmon harvest, by species and year, 1980 through 2013.

| | Permits | | Estimated salmon harvest | | | | | |
|---|---|---|---|---|---|---|---|---|
| Year | Issued | Returned | Chinook | Sockeye | Coho | Chum | Pink | Total |
| 1980 | 82 | 37 | 6 | 12,475 | 32 | 169 | 478 | 13,160 |
| 1981 | 29 | 7 | 0 | 2,049 | 0 | 0 | 0 | 2,049 |
| 1982 | 59 | 15 | 3 | 8,532 | 12 | 0 | 2 | 8,549 |
| 1983 | 32 | 21 | 0 | 3,078 | 1,319 | 850 | 1,250 | 6,497 |
| 1984 | 77 | 64 | 23 | 8,747 | 464 | 204 | 330 | 9,768 |
| 1985 | 59 | 48 | 1 | 7,177 | 50 | 25 | 26 | 7,279 |
| 1986 | 74 | 38 | 4 | 10,347 | 205 | 77 | 98 | 10,731 |
| 1987 | 2 | 1 | 10 | 7,021 | 278 | 204 | 261 | 7,774 |
| 1988 | 80 | 34 | 9 | 9,073 | 1,455 | 142 | 54 | 10,733 |
| 1989 | 68 | 23 | 24 | 7,551 | 384 | 147 | 81 | 8,187 |
| 1990 | 72 | 23 | 103 | 8,099 | 210 | 115 | 470 | 8,997 |
| 1991 | 95 | 58 | 42 | 11,483 | 13 | 81 | 275 | 11,894 |
| 1992 | 98 | 19 | 55 | 8,648 | 709 | 145 | 305 | 9,862 |
| 1993 | 201 | 141 | 122 | 14,710 | 3,765 | 642 | 1,265 | 20,504 |
| 1994 | 219 | 122 | 165 | 13,978 | 4,055 | 382 | 1,720 | 20,300 |
| 1995 | 111 | 95 | 98 | 9,563 | 1,191 | 150 | 723 | 11,725 |
| 1996 | 119 | 104 | 48 | 7,357 | 2,126 | 355 | 2,204 | 12,090 |
| 1997 | 126 | 103 | 28 | 13,442 | 2,678 | 840 | 2,035 | 19,023 |
| 1998 | 104 | 72 | 91 | 7,750 | 1,390 | 186 | 1,007 | 10,424 |
| 1999 | 106 | 88 | 243 | 9,040 | 1,679 | 136 | 1,191 | 12,289 |
| 2000 | 130 | 112 | 163 | 9,561 | 1,802 | 517 | 1,185 | 13,228 |
| 2001 | 135 | 122 | 171 | 8,633 | 1,859 | 213 | 2,787 | 13,663 |
| 2002 | 120 | 86 | 74 | 10,092 | 1,401 | 23 | 390 | 11,980 |
| 2003 | 146 | 127 | 267 | 10,989 | 2,256 | 286 | 1,597 | 15,395 |
| 2004 | 104 | 57 | 88 | 7,029 | 1,981 | 202 | 1,047 | 10,347 |
| 2005 | 119 | 100 | 224 | 8,171 | 2,112 | 353 | 730 | 11,590 |
| 2006 | 113 | 79 | 258 | 8,079 | 1,539 | 275 | 1,035 | 11,186 |
| 2007 | 128 | 83 | 84 | 10,191 | 1,936 | 165 | 996 | 13,372 |
| 2008 | 89 | 69 | 41 | 7,189 | 877 | 57 | 619 | 8,783 |
| 2009[a] | 95 | 82 | 104 | 6,785 | 1,174 | 137 | 707 | 8,907 |
| 2010[a] | 124 | 90 | 188 | 8,148 | 1,820 | 222 | 656 | 11,034 |
| 2011 | 95 | 76 | 52 | 10,578 | 1,458 | 355 | 1,289 | 13,732 |
| 2012[a] | 106 | 87 | 116 | 5,607 | 1,488 | 220 | 810 | 8,241 |
| 2013 | 112 | 96 | 102 | 8,100 | 991 | 174 | 790 | 10,157 |
| Averages | | | | | | | | |
| 1993–2012 | 125 | 95 | 131 | 9,345 | 1,929 | 286 | 1,200 | 12,891 |
| 2003–2012 | 112 | 85 | 142 | 8,277 | 1,664 | 227 | 949 | 11,259 |
| 2008–2012 | 102 | 81 | 100 | 7,661 | 1,363 | 198 | 816 | 10,139 |

*Source:* Alaska Department of Fish and Game, Division of Subsistence, Alaska Subsistence Fisheries Database.

[a] From 1993–2008 and in 2011, postseason household surveys were conducted to supplement harvest data collected through returned permits. Limited budgets prevented administering the surveys for 2009, 2010, and 2012 likely resulting in an underestimate of subsistence harvests since not all subsistence fishing households obtained a permit. To compensate for this underestimate, the average annual harvest for the period 1999–2008 and 2011 reported during postseason surveys was added to harvests from returned permits to estimate the total subsistence harvest for 2009 and 2010, 2012 and 2013.

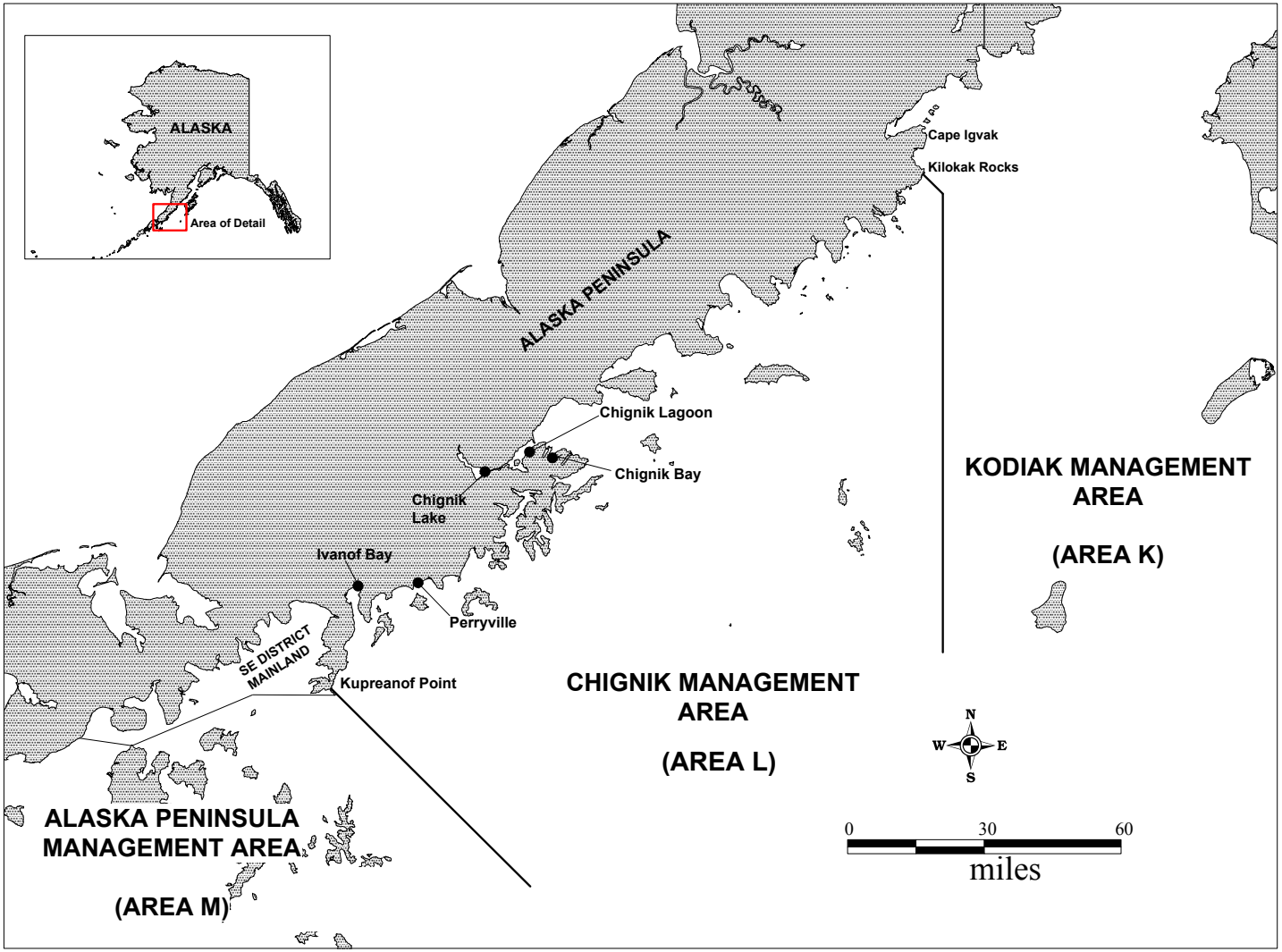


Figure 1.–Map of the Alaska Peninsula illustrating the relative locations of the Chignik, Kodiak, and Alaska Peninsula management areas.

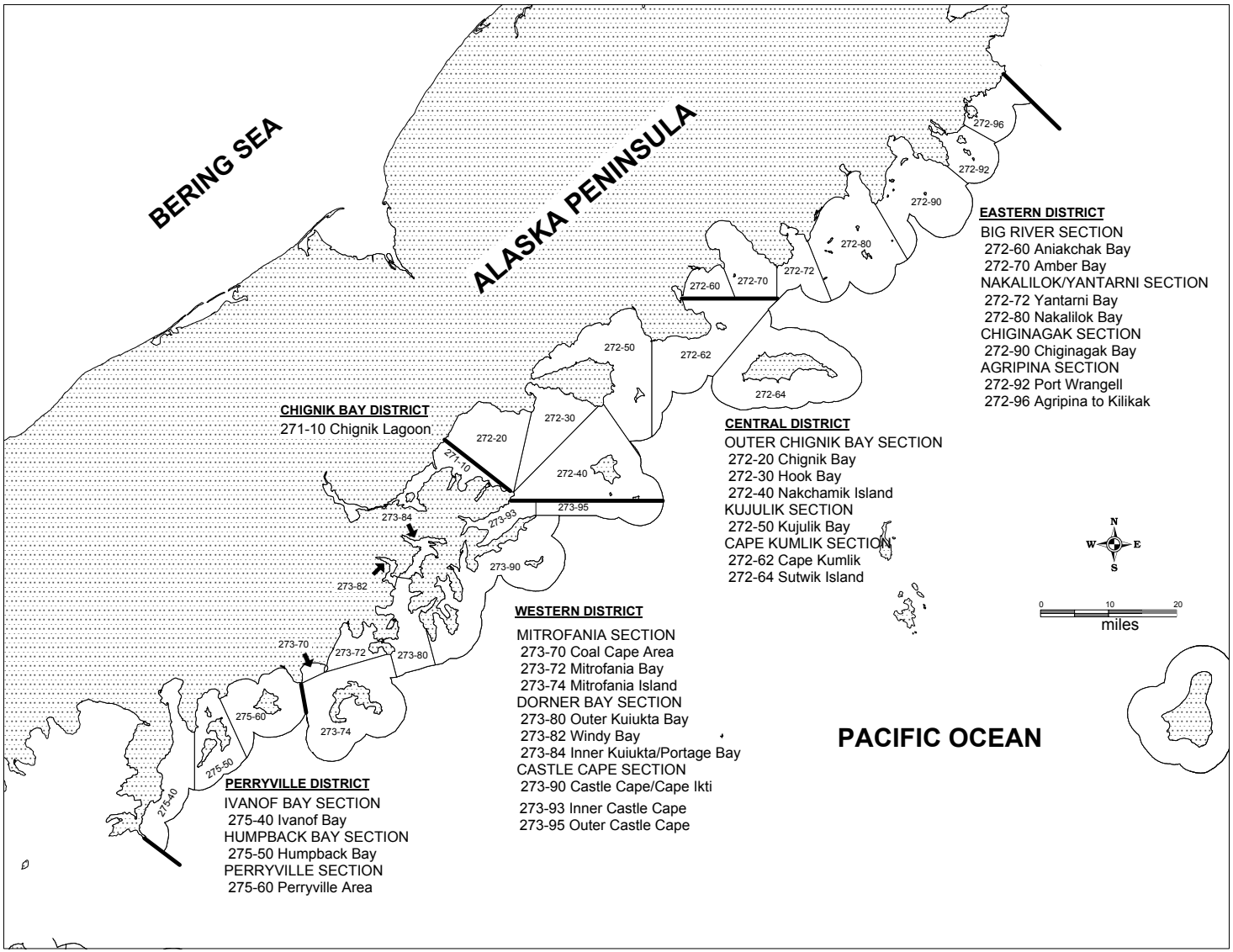


Figure 2.–Map of the Chignik Management Area illustrating district and section boundaries and statistical areas.

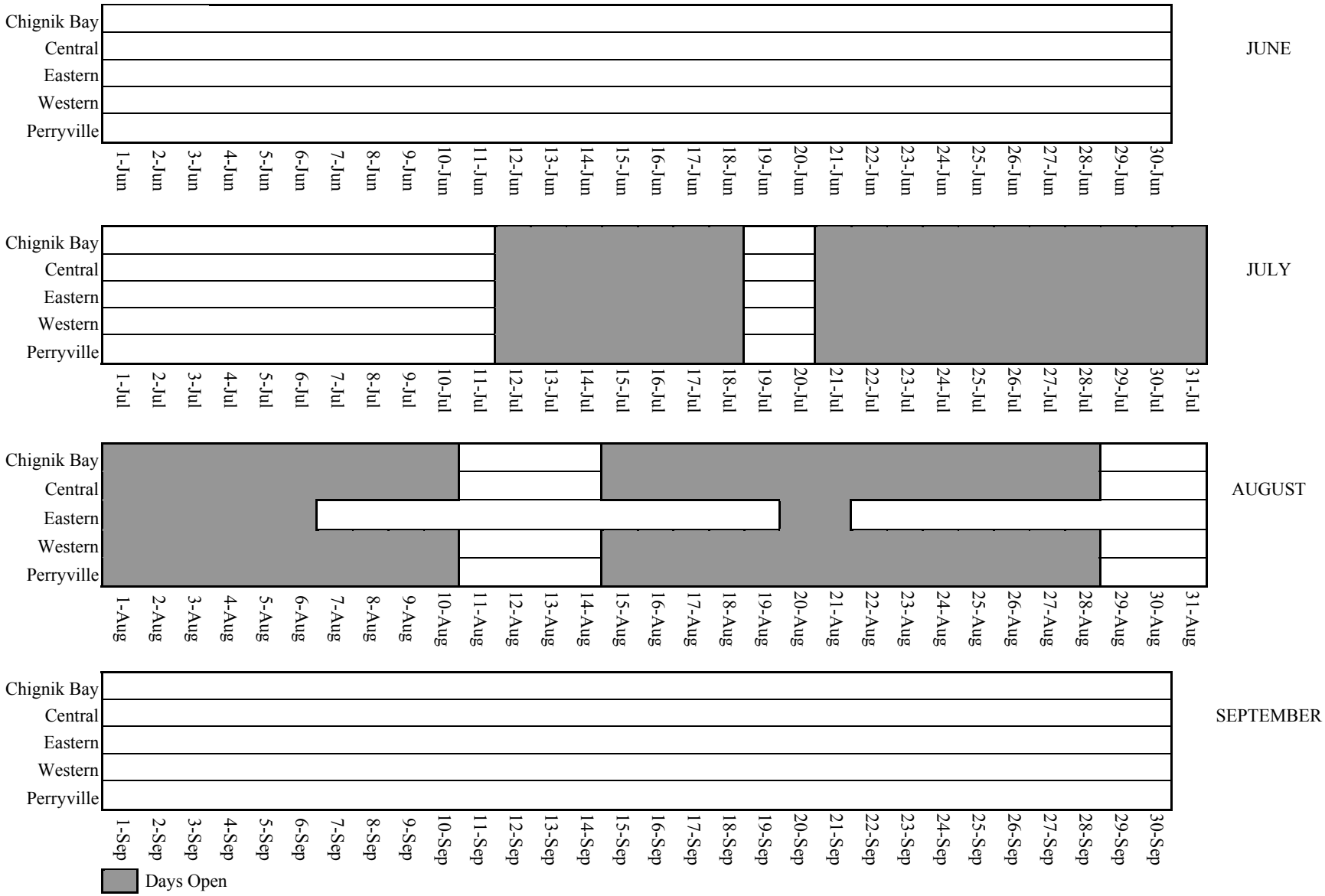


Figure 3.–Representation of days open to commercial salmon fishing, by district and month, 2014.

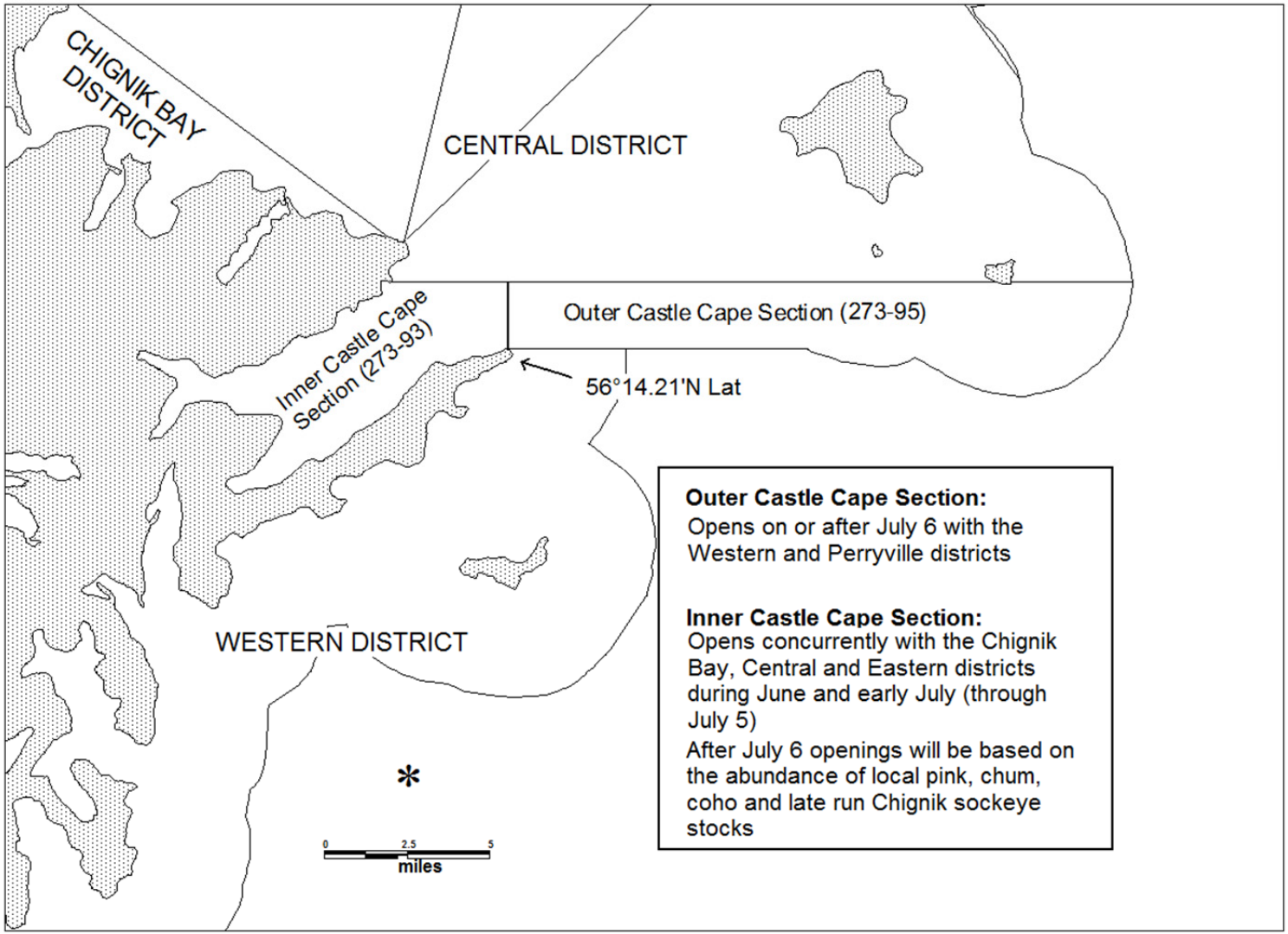


Figure 4.–Map depicting the Inner (273-93), and Outer (273-95) Castle Cape Sections of the Western District.

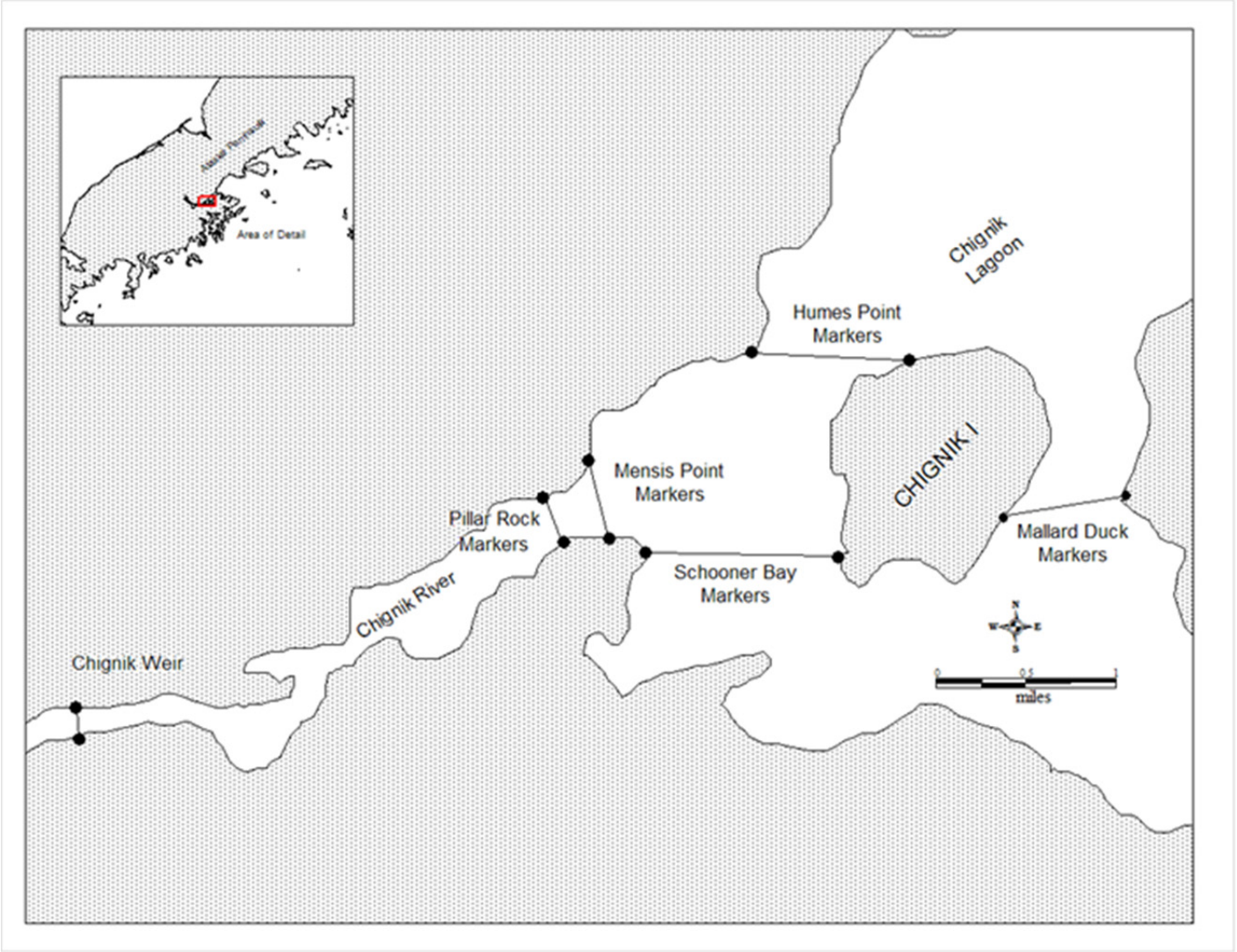


Figure 5.–Map of upper Chignik Lagoon showing the location of the Pillar Rock, Mensis Point, Humes Point, Mallard Duck, and Schooner Bay marker locations.

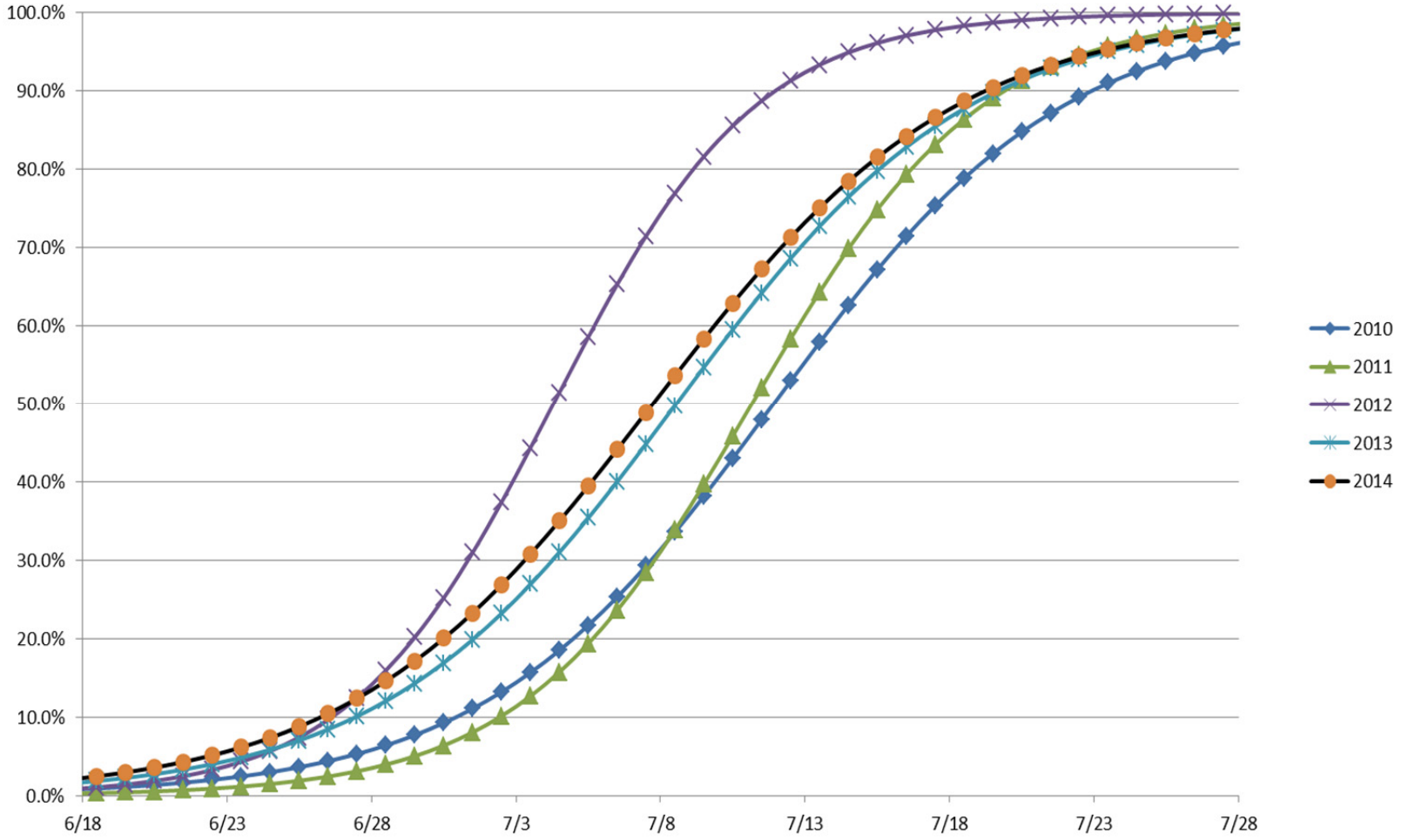


Figure 6.–Estimated proportional escapement of Black Lake and Chignik Lake from inseason mixed-stock analysis, 2010–2014.

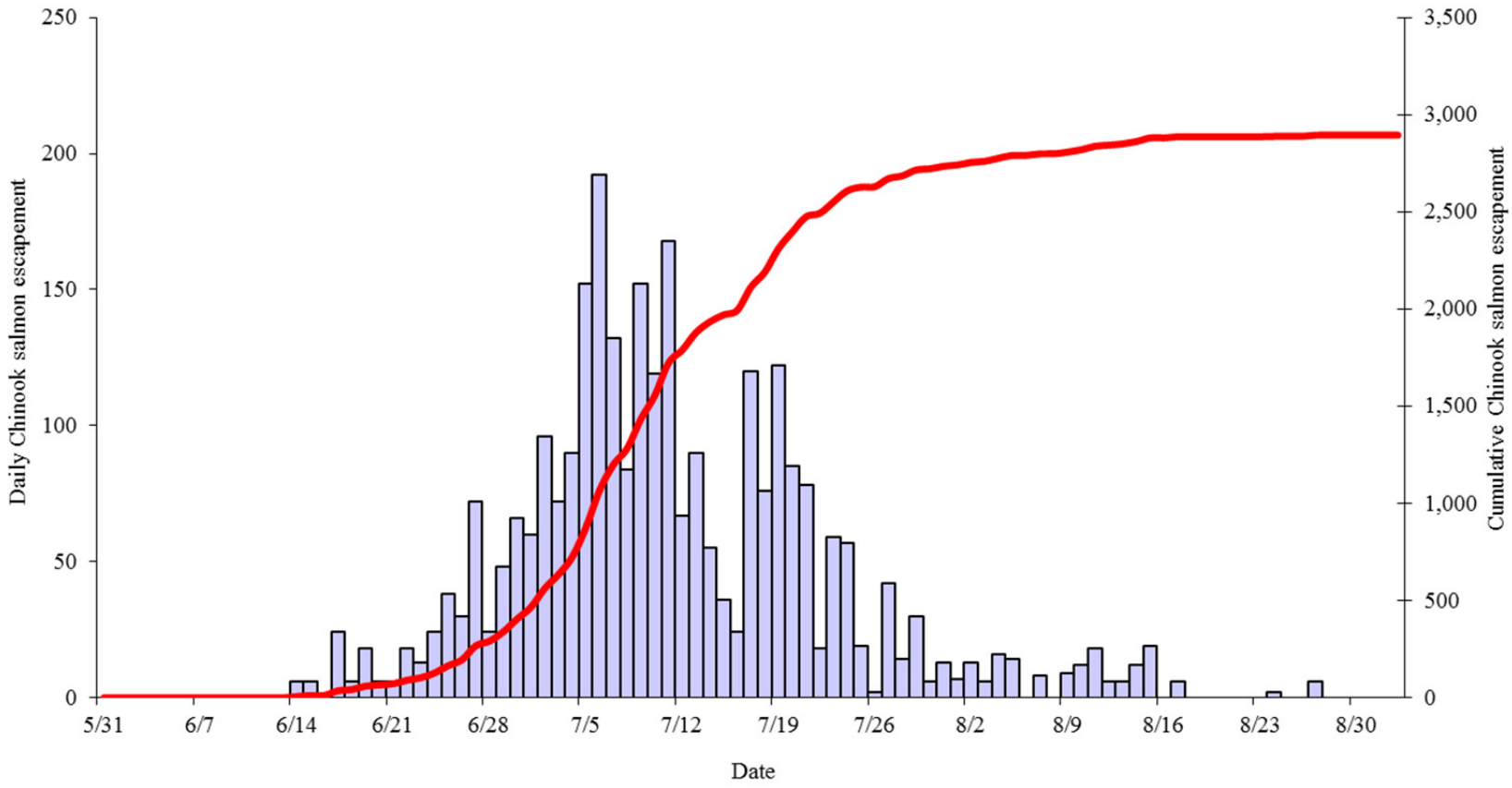


Figure 7.–Chignik River estimated daily and cumulative Chinook salmon escapement, 2014.

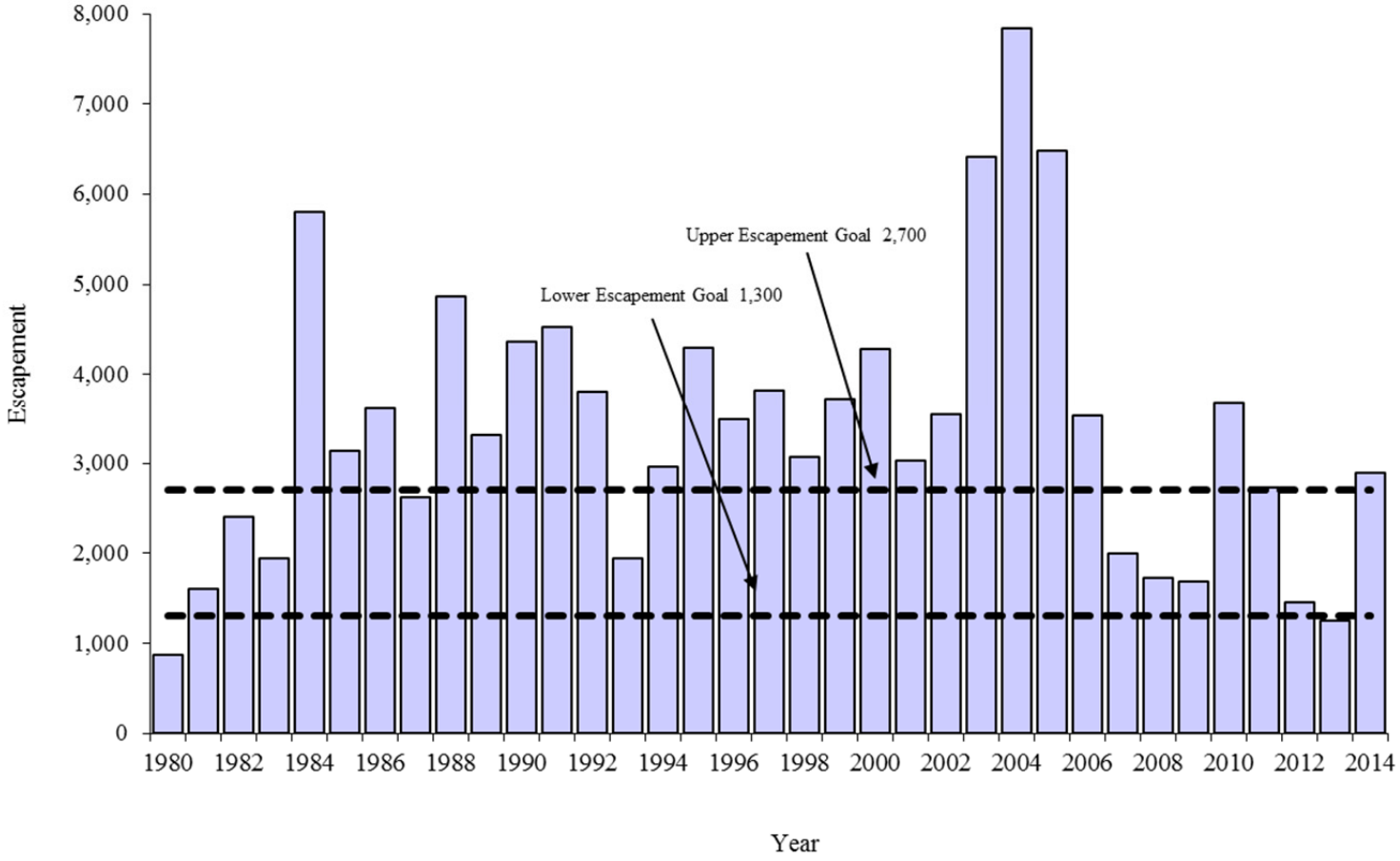


Figure 8.–Chignik River Chinook salmon escapement as compared to the current escapement goal range, by year, 1980 through 2014.

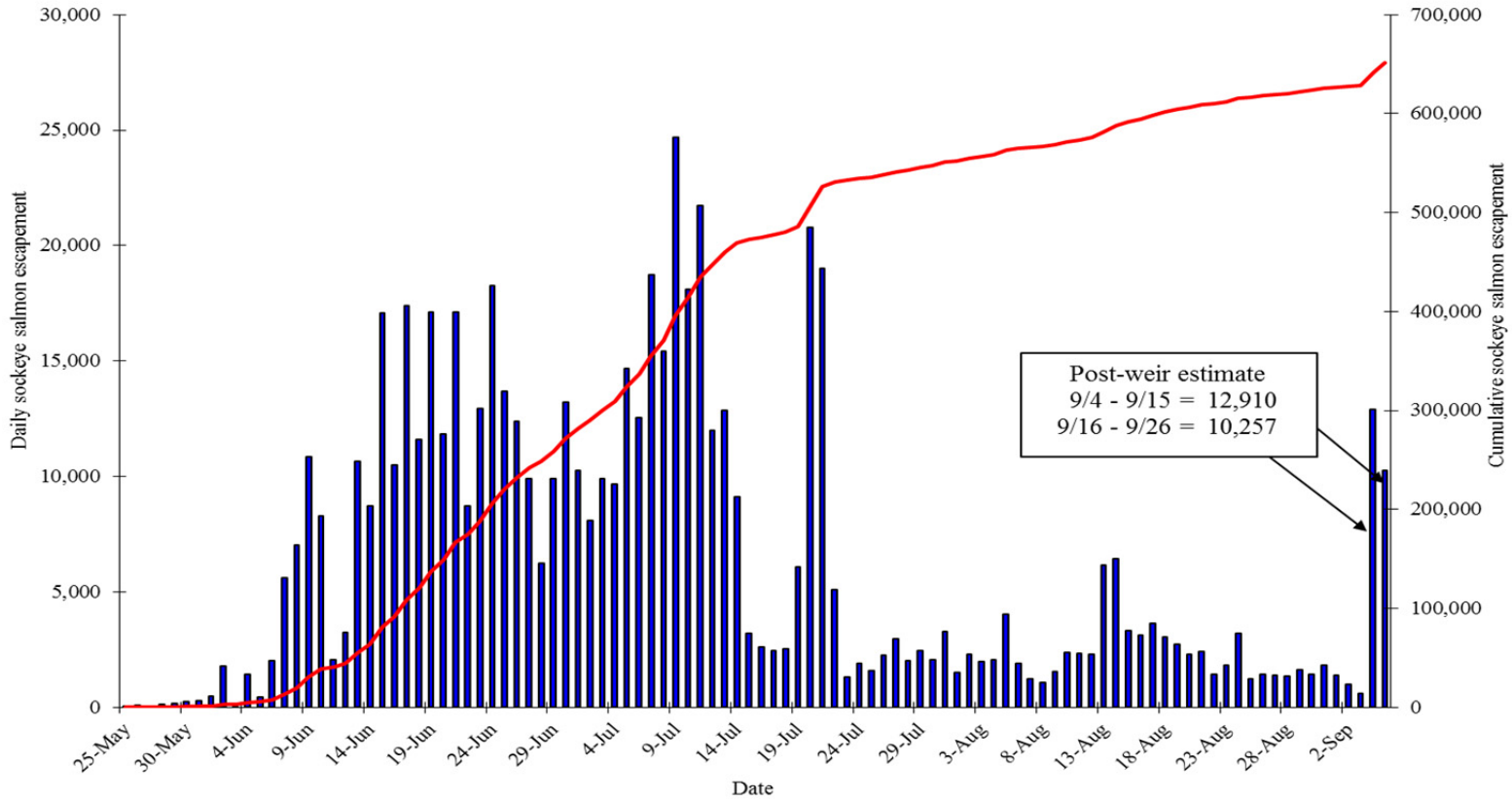


Figure 9.–Chignik River sockeye salmon daily and cumulative escapement, 2014.

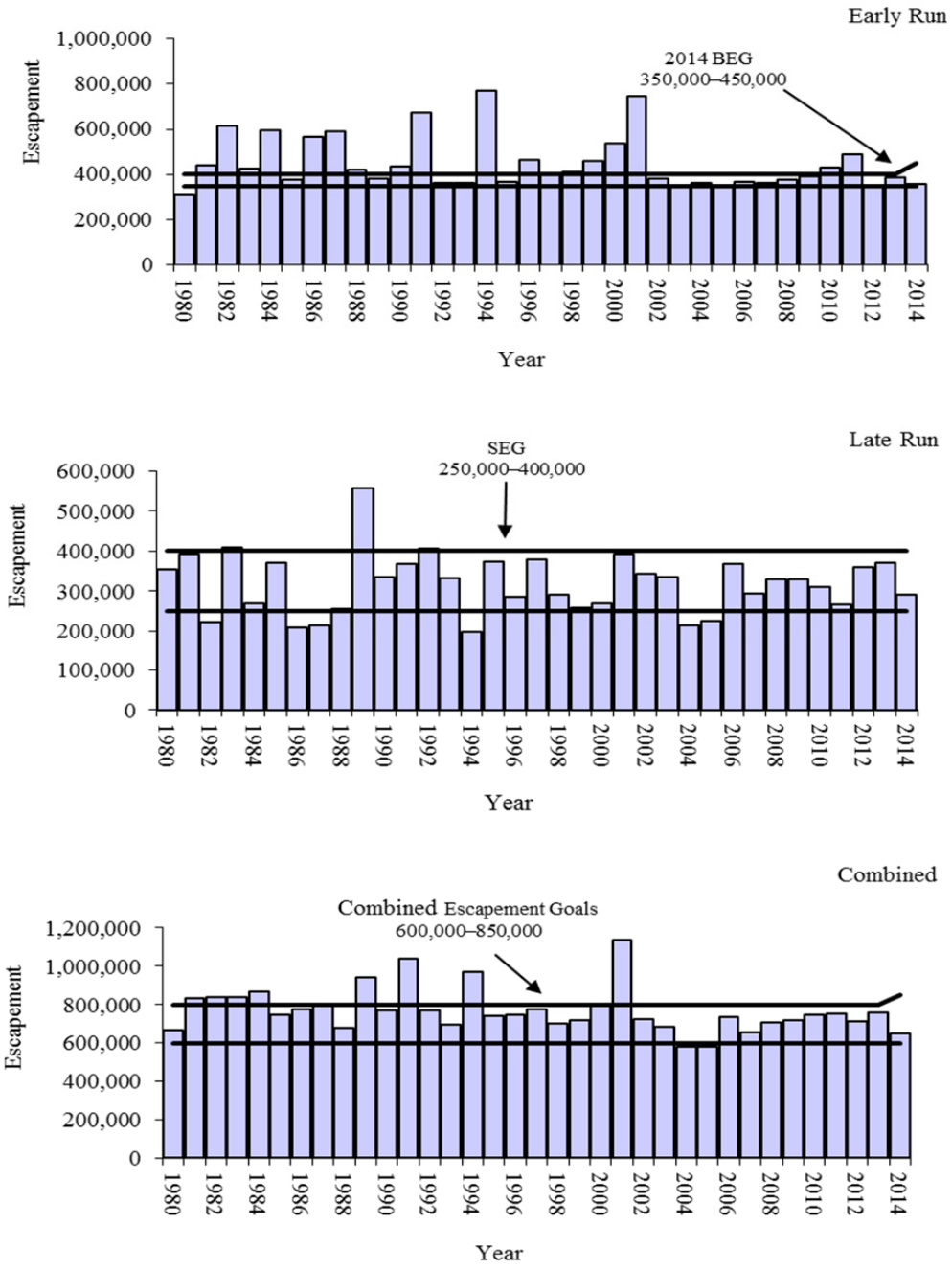


Figure 10.–Chignik River sockeye salmon early, late, and combined run escapements 1970 through 2014, compared to established escapement goals (including a late run inriver run goal of 50,000).

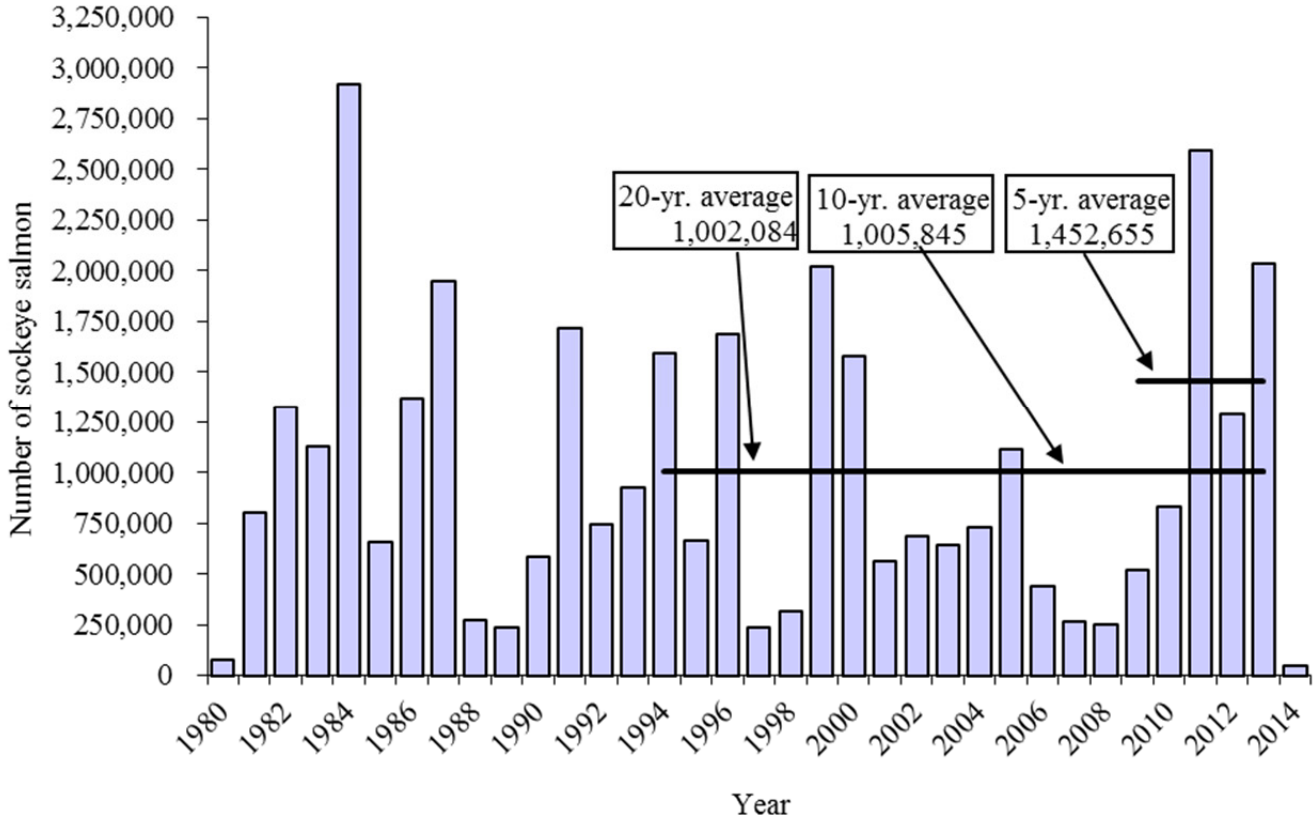


Figure 11.–Chignik-bound sockeye salmon early-run harvest, 1980 through 2014.

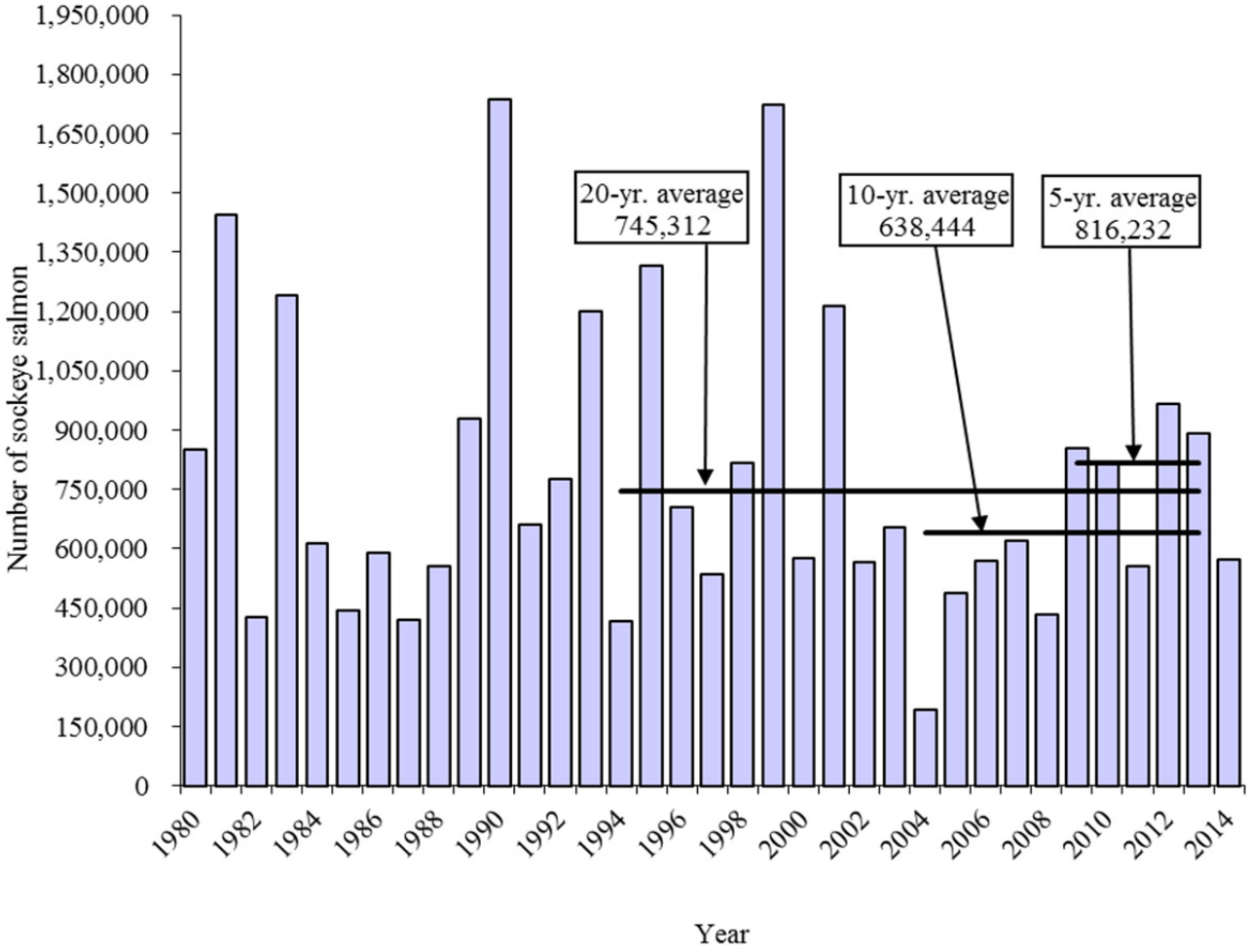


Figure 12.–Chignik-bound sockeye salmon late-run harvest, 1980 through 2014.

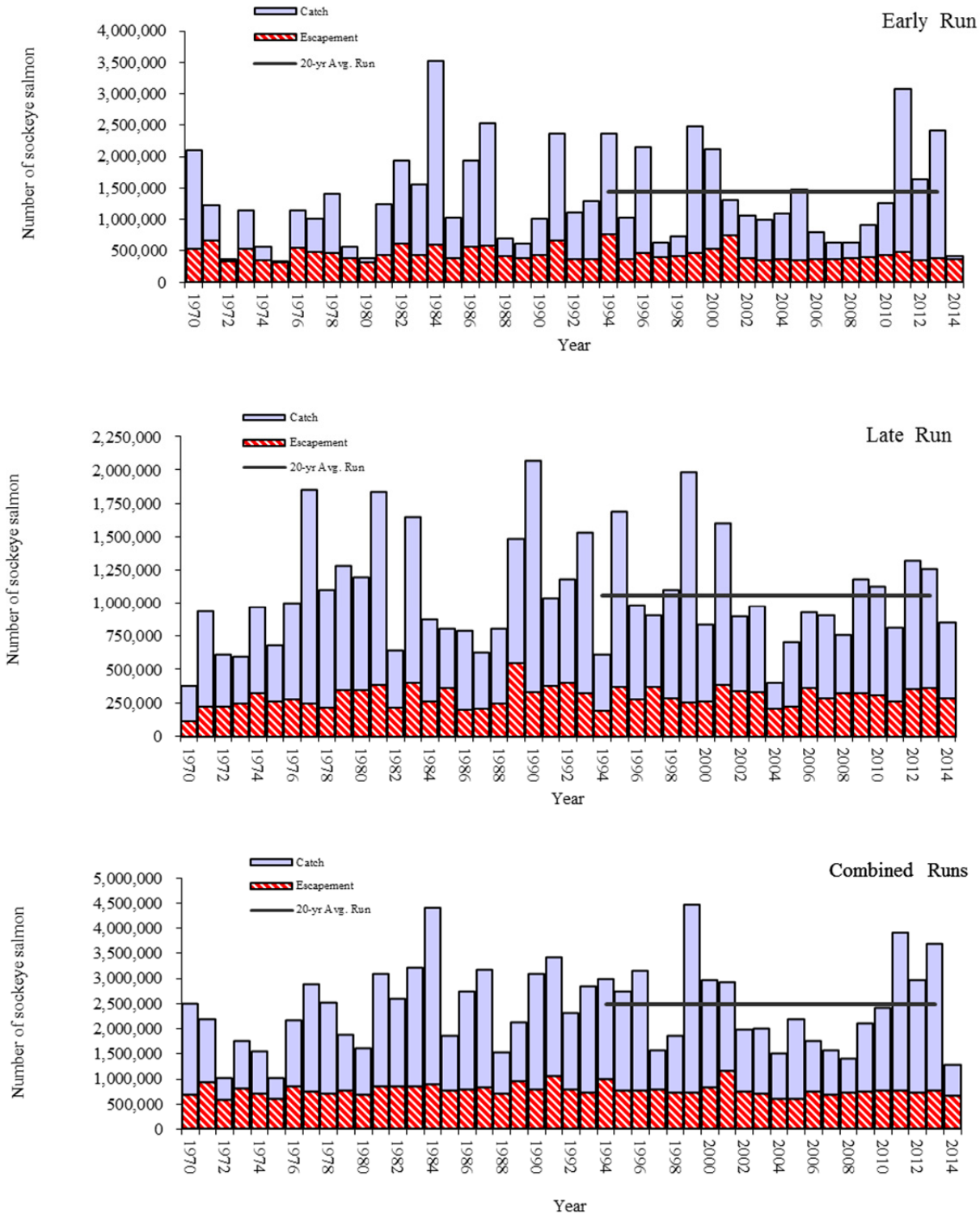


Figure 13.–Total sockeye salmon escapement and catch considered Chignik-bound including home pack, the department's test fishery harvest, and Cape Igvak and SEDM allocations, by year and run, 1970 through 2014.

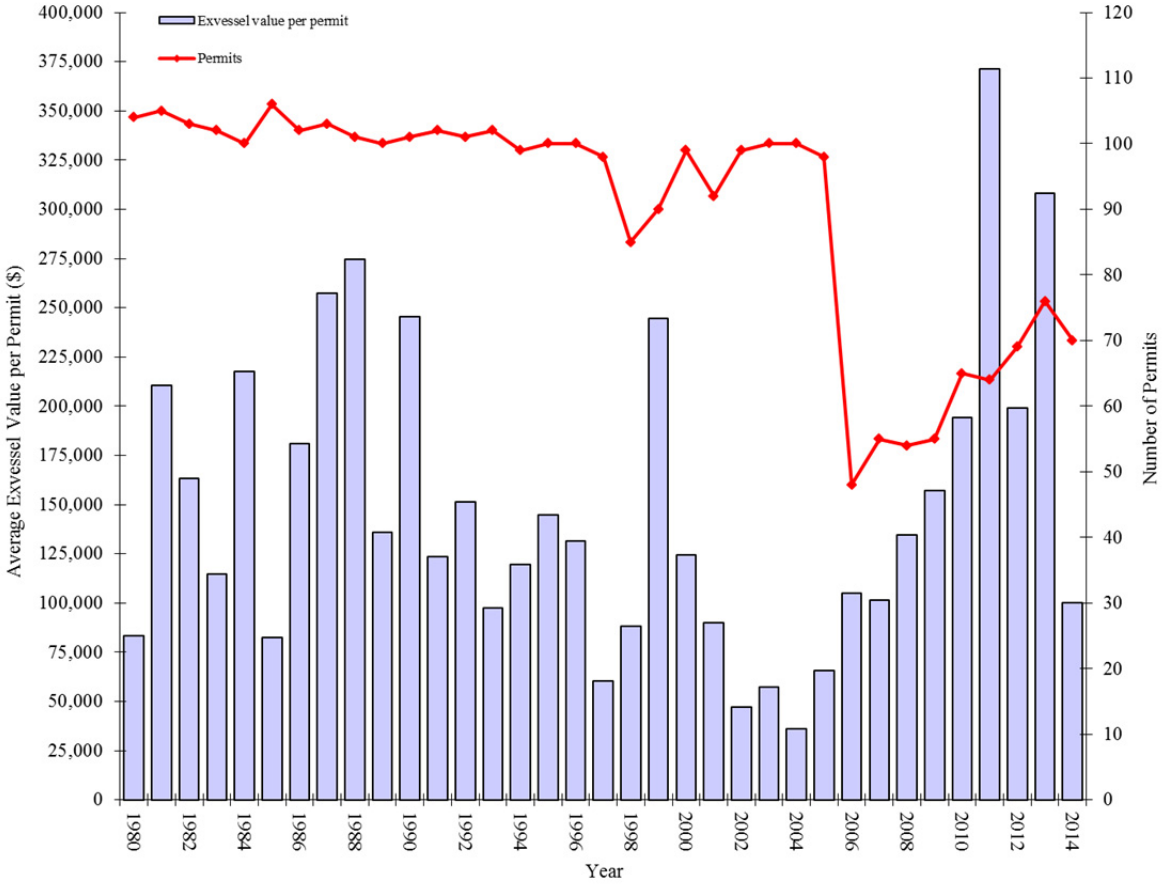


Figure 14.–Average exvessel value, in dollars, per permit and total permits fished by year 1980 through 2014.

# APPENDIX A. SUMMARY OF 2014 EMERGENCY ORDERS

Appendix A1.–Summary of the 2014 Chignik Management Area Emergency Orders.

| E.O. Number | Issued | Effective | Action taken |
|---|---|---|---|
| 4-FS-L-01-14 | 6:15 PM 7/11/2014 | 5:00 PM 7/12/2014 | **Opens** the Chignik Bay, Central, Eastern, Western, and Perryville districts for 79 hours from 5:00 PM Saturday, July 12 until 11:59 PM Tuesday, July 15. **Closed Waters** Effective 5:00 PM Saturday, July 12 salmon may only be taken northeast of Humes Point. |
| 4-FS-L-02-14 | 12:00 PM 7/15/2014 | 11:59 PM 7/15/2014 | **Extends** the current commercial salmon fishing period in the Chignik Bay, Central, Eastern, Western, and Perryville district for 72 hours from 11:59 PM Tuesday, July 15 to 11:59 PM Friday, July 18. |
| 4-FS-L-03-14 | 6:15 PM 7/20/2014 | 1:00 PM 7/21/2014 | **Opens** the Chignik Bay, Central, Eastern, Western, and Perryville districts for 83 hours from 1:00 PM Monday, July 21 until 11:59 PM Thursday, July 24. |
| 4-FS-L-04-14 | 9:15 AM 7/21/2014 | 1:00 PM 7/21/2014 | **Closed Waters** Effective 1:00 PM Monday, July 21 salmon may only be taken northeast of Mensis Point. |
| 4-FS-L-05-14 | 6:15 PM 7/23/2014 | 11:59 PM 7/24/2014 | **Extends** the current commercial salmon fishing period in the Chignik Bay, Central, Eastern, Western, and Perryville district for 72 hours from 11:59 PM Thursday, July 24 to 11:59 PM Sunday, July 27. |
| 4-FS-L-06-14 | 3:00 PM 7/26/2014 | 11:59 PM 7/27/2014 | **Extends** the current commercial salmon fishing period in the Chignik Bay, Central, Eastern, Western, and Perryville district for 48 hours from 11:59 PM Sunday, July 27 to 11:59 PM Tuesday, July 29. |
| 4-FS-L-07-14 | 9:15 AM 7/29/2014 | 11:59 PM 7/29/2014 | **Extends** the current commercial salmon fishing period in the Chignik Bay, Central, Eastern, Western, and Perryville district for 48 hours from 11:59 PM Tuesday, July 29 to 11:59 PM Thursday, July 31. |
| 4-FS-L-08-14 | 3:00 PM 7/31/2014 | 11:59 PM 7/31/2014 | **Extends** the current commercial salmon fishing period in the Chignik Bay, Central, Western, and Perryville district for 72 hours from 11:59 PM Thursday, July 31 to 11:59 PM Sunday, August 3. **Closed Waters** effective 10:00 PM Friday, August 1 salmon may only be taken northeast of Humes Point. |
| 4-FS-L-09-14 | 10:00 AM 8/3/2014 | 11:59 PM 8/3/2014 | **Extends** the current commercial salmon fishing period in the Chignik Bay, Central, Western, and Perryville district for 72 hours from 11:59 PM Sunday, August 3 to 11:59 PM Wednesday, August 6. **Opens** the Eastern district for 48 hours from 12:01 AM Tuesday, August 5 until 11:59 PM Wednesday, August 6. |

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Appendix A1.–Page 2 of 2.

| E.O. Number | Issued | Effective | Action taken |
|---|---|---|---|
| 4-FS-L-10-14 | 11:00 AM 8/6/2014 | 11:59 PM 8/6/2014 | **Extends** the current commercial salmon fishing period in the Chignik Bay, Central, Western, and Perryville districts, for 96 hours from 11:59 PM Wednesday, August 6 to 11:59 PM Saturday, August 10. |
| 4-FS-L-11-14 | 12:00 PM 8/14/2014 | 11:59 PM 10/31/2014 | **Opens** the Chignik Bay, Central, Western and Perryville districts from 8:00 AM Friday, August 15 until further notice. |
| 4-FS-L-12-14 | 6:15 PM 8/18/2014 | 12:01 AM 8/20/2014 | **Opens** the Eastern District for 48 hours from 12:01 AM Wednesday, August 20 until 11:59 PM Thursday, August 21. |
| 4-FS-L-13-14 | 3:00 PM 8/20/2014 | 3:00 PM 8/21/2014 | **Closed Waters** effective 3:00 PM Thursday, August 21 salmon may only be taken northeast of Mensis Point. |
| 4-FS-L-14-14 | 9:15 AM 8/28/2014 | 10:00 PM 8/28/2014 | **Closes** the Chignik Bay, Central, Western, and Perryville districts to commercial salmon fishing effective 10:00 PM Thursday, August 28. |

# APPENDIX B. 2014 CHIGNIK SOCKEYE SALMON POSTWEIR ESCAPEMENT ESTIMATE MEMORANDUM.

Appendix B1.–2014 Chignik sockeye salmon post-weir escapement estimate memorandum.

# MEMORANDUM

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

Division of Commercial Fisheries

TO: M. Birch Foster
Finfish Research Biologist
Commercial Fisheries Division
Region IV - Kodiak

DATE: 11/13/2014

FROM: Mary Loewen
Finfish Research Biologist
Commercial Fisheries Division
Region IV - Kodiak

PHONE: (907) 486-1805

SUBJECT: 2014 Chignik post-weir escapement estimate

The 2014 Chignik sockeye salmon post-weir escapement was estimated using data collected with DIDSON between September 4 and September 26. Species apportionment was applied based on fish caught in the lagoon by the DIDSON crew using a variable mesh gillnet, and one report of subsistence catch by a local user. A total of 18 days of fishing data between September 4 and 25 were used in species apportionment.

September escapement was also estimated using traditional post-weir time series analysis of escapement data, which estimates the rate of decay in the run and forecasts escapements after weir removal assuming that the forecast escapement follows the same rate of decay as the run. (Figure 1). Escapement data from August 3 through September 4, the day the weir was removed, were used in that analysis.

The 2014 DIDSON counts resulted in an estimated escapement of 12,910 sockeye salmon from September 4 through September 15 (95% confidence interval 10,659 to 16,456 fish) and 10,257 sockeye salmon from September 16 through September 26 (the last day of DIDSON operations; 95% confidence interval 7,405 to 13,430 fish; Figure 2). A total of 23,167 sockeye salmon were enumerated between September 4 and 26 (95% confidence interval 18,064 to 29,757 fish), for a total estimated escapement of 26,188 sockeye salmon in the month of September (including 3 days of weir counts). Time series analysis resulted in an estimate of 6,158 (95% prediction interval 4,107 to 6,466) sockeye salmon between September 1 and 15, and 535 (95% prediction interval 357 to 562) sockeye salmon between September 16 and 30, for a total of 6,693 sockeye salmon (95% prediction interval 4,464 to 7,027 fish) in the month of September. The time series estimate of 6,693 sockeye salmon is 26% of the DIDSON estimate of 26,188 sockeye salmon during September 1 through 26.

This is the first year that DIDSON estimates have been used in place of the traditional time series estimate for escapement after the weir is removed. The large difference in estimates can likely be attributed to the rate of decay in escapement on the last day of weir counts. Because time series modelling predicts future values based on previous trends (the decay in escapement), the rate of decay is assumed to be the same throughout the forecast period. Several dates were tested for forecasting September escapement, in order to capture different rates of decay throughout the run. However, based on visual observation of fish passage upstream past the DIDSON units, as well as catches in the lagoon by crew and subsistence users, the DIDSON estimate is considered more accurate than the time series estimate for 2014 September escapement.

-continued-

Although all sockeye salmon enumerated in the post-weir estimate are considered as late-run (Chignik Lake stock) escapement, it is possible that some portion of the fish counted in September are actually from other stocks, such as the "late-late" run which is often referenced by local users. Without genetic identification of fish in late August and September to support this idea, all escapement in September is currently considered late-run (Chignik Lake stock). Future work to collect tissue samples for genetic identification in late August and September would allow for more fine-scale apportionment of escapement by stock-of-origin and potential refinement of escapement goal targeting.

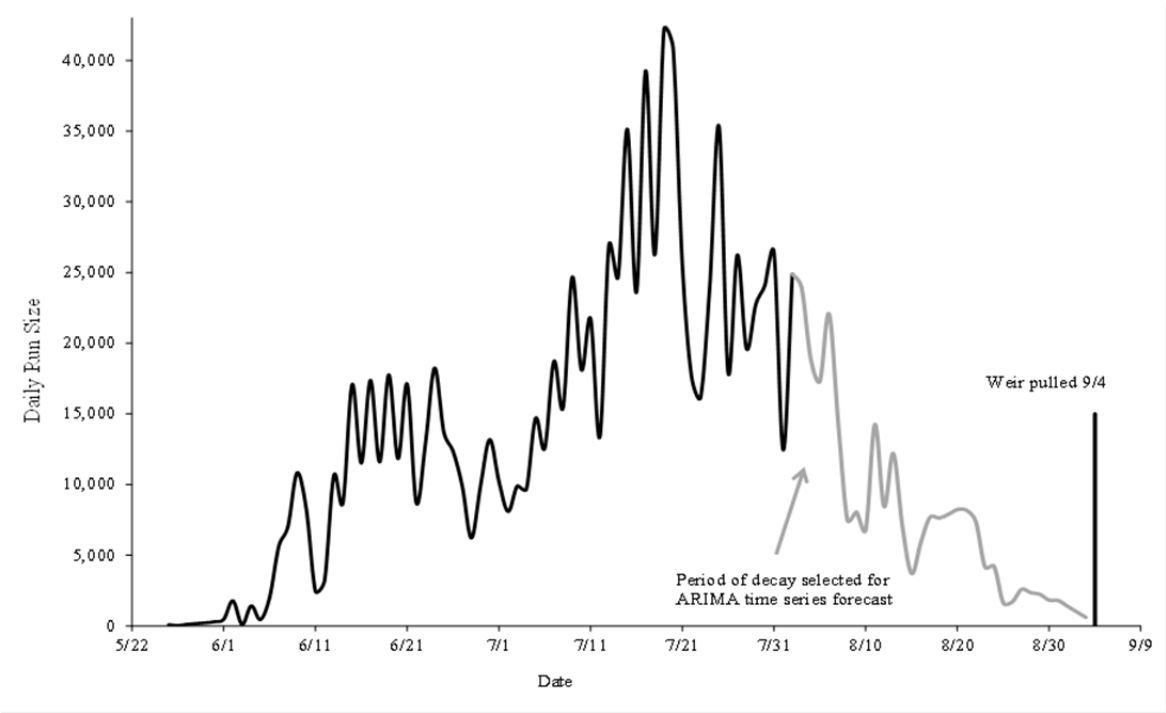


Figure 1.–2014 Estimated Chignik sockeye salmon run by day.

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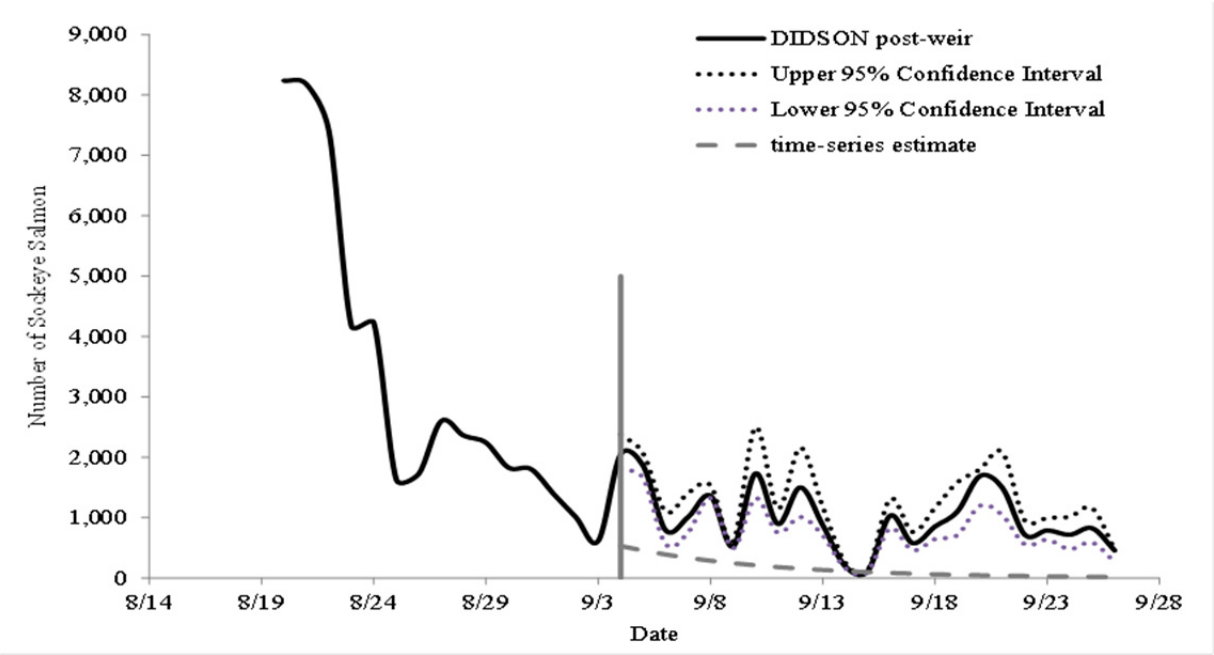


Figure 2.–2014 Post-weir sockeye salmon escapement estimate from DIDSON units with 95% Confidence Intervals, and time series estimate.

CC: Anderson, Russell, Wadle