**Fishery Management Report No. 19-17**

# Kodiak Management Area Commercial Salmon Fishery Annual Management Report, 2018

**by**

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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. 19-17*

# KODIAK MANAGEMENT AREA COMMERCIAL SALMON FISHERY ANNUAL MANAGEMENT REPORT, 2018

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# TABLE OF CONTENTS

**Page**

# TABLE OF CONTENTS (Continued)



# LIST OF TABLES

# LIST OF FIGURES



# LIST OF APPENDICES

# LIST OF APPENDICES (Continued)

# ABSTRACT

This report provides an overview of the 2018 Kodiak Management Area (KMA) salmon resources, stock status, as well as commercial, personal use, and subsistence salmon fisheries.

Sockeye salmon *Oncorhynchus nerka* escapements met or exceeded the established goals for Frazer, Saltery, early-run Karluk, late-run Karluk, early-run Ayakulik, late-run Ayakulik, early-run Upper Station, and late-run Upper Station, but were below established goals for the Afognak, Malina, Buskin, and Pasagshak systems. The Mainland District and Kodiak Archipelago pink salmon *O. gorbuscha* and the Kodiak Archipelago chum salmon *O. keta* escapement goals were met in 2018. The Chinook salmon *O. tshawytscha* escapement goals were not achieved in both the Karluk and Ayakulik rivers, whereas coho salmon *O. kisutch* escapement goals were achieved in the American, Olds, and Pasagshak rivers but not in the Buskin River.

The 2018 KMA commercial salmon fishery began on June 9, with the last reported landing on September 28. A total of 293 permits were fished, consisting of 151 purse seine permits, 140 set gillnet permits, and 2 beach seine permits. The total commercial salmon harvest in the KMA, including cost-recovery harvest but excluding test fishery harvest and commercially caught salmon retained for personal use, was 3,895 Chinook, 1,820,350 sockeye, 438,065 coho, 5,946,894 pink, and 463,834 chum salmon. The exvessel value for salmon harvested by all gear types totaled approximately $27.3 million, which was below average for the KMA.

Key words: Chinook, sockeye, coho, pink, chum, salmon, *Oncorhynchus*, Alaska Department of Fish and Game, AMR, exvessel value, Kodiak Management Area, KMA, BOF, commercial fisheries, subsistence, management plan, annual management report, purse seine, set gillnet, harvest, personal use

# INTRODUCTION

This report describes the Kodiak Management Area's (KMA) commercial salmon *Oncorhynchus* fisheries and harvest strategies in effect during the 2018 commercial salmon fishing season. A summary is also provided of the 2018 commercial salmon fishing season and historical commercial harvest, effort levels, escapement, subsistence, and commercial harvest retained for personal use. In addition, this report provides a comparison of salmon escapements as they pertain to the condition of salmon stocks within the KMA.

The KMA includes the waters of the western Gulf of Alaska surrounding the Kodiak Archipelago and that portion of the Alaska Peninsula bordering the Shelikof Strait between Cape Douglas and Kilokak Rocks (Figure 1). The archipelago is approximately 150 miles long, extending from northeast to southwest.

General information concerning escapements, harvest, and economic value is contained in the body of this report. More detail is provided in a series of appendices describing the KMA commercial fishing districts (Appendix A), fishing opportunity and management actions taken during the 2018 season (Appendix B), detailed information on specific fisheries (Appendices C–K), commercial salmon harvest by statistical week and management unit (Appendix L), and indexed peak salmon escapements by species and district (Appendix M). More detailed escapement data by stream are published in a separate escapement report (Fuerst 2019).

# SALMON RESOURCES

## SALMON PRODUCING STREAMS

Salmon migration or spawning has been documented in approximately 1,200 streams within the KMA (Johnson and Blossom 2018), but only 493 streams have been documented by Alaska Department of Fish and Game (ADF&G) to support yearly spawning populations of salmon (Table 1). There are Chinook salmon *O. tshawytscha* in 6 streams, sockeye salmon *O. nerka* in 60

streams, coho salmon *O. kisutch* in 254 streams, pink salmon *O. gorbuscha* in approximately 441 streams, and chum *O. keta* in 215 streams. The majority of pink salmon streams in the KMA are located in the Kodiak Archipelago (Afognak, Northwest Kodiak, Southwest Kodiak, Alitak, Eastside Kodiak, and Northeast Kodiak districts; Appendix A1), with 101 pink salmon streams located in the Mainland District (on the Alaska Peninsula). In years with very large returns, additional small streams are used by pink salmon.

## SUPPLEMENTAL PRODUCTION

There are 2 hatcheries located in the KMA that currently produce salmon to supplement natural salmon production. The Kodiak Regional Aquaculture Association (KRAA) operates both hatcheries: the Kitoi Bay Hatchery on the southeast side of Afognak Island, and Pillar Creek Hatchery (Figure 2). The Kitoi Bay Hatchery primarily produces pink salmon but also cultures sockeye, chum, and coho salmon.[1] KRAA outstocks (placing juvenile salmon in sites other than the hatchery) juvenile coho and sockeye salmon fry from the Kitoi Bay Hatchery, but the majority of hatchery returns are to be harvested in either the common property or cost-recovery fisheries, or to be used as broodstock. Pillar Creek Hatchery is located north of the City of Kodiak at Pillar Creek, which drains into Monashka Bay, and is used primarily as an incubation facility for sockeye salmon outstocking projects. Chinook and coho salmon are also reared at the Pillar Creek Hatchery for outstocking.[2]

The Kodiak Regional Planning Team (KRPT), a group consisting of representatives from ADF&G, KRAA, and the public, is mandated by law (AS 16.10.375–470) to develop and periodically update comprehensive plans for salmon production in the KMA. KRPT identified sockeye salmon as the priority species for supplemental production (KRPT 1992). The priority status given to sockeye salmon production resulted in remote egg takes, hatchery incubation, and juvenile outstocking by KRAA to enhance harvests, develop broodstocks, and restore depleted runs (Honnold and Schrof 2001). Current enhancement efforts include "put-and-take" projects that involve placement of juvenile salmon at nursery sites where they will return as harvestable adults to systems with no spawning habitat or impassable stream access to spawning habitat.

KRPT summarized its production goals in an update to the Kodiak Regional Comprehensive Management Plan (KRPT 2011). The long-term goal of the plan is to increase the annual harvest of salmon (over and above KMA wild salmon harvest) by an additional 6,000 Chinook, 2,500,000 sockeye, 600,000 coho, 15,000,000 pink, and 1,500,000 chum salmon. The recent ten-year (2008–2017) average supplemental production has included an undetermined number of Chinook salmon and an estimated 344,591 sockeye, 89,343 coho, 4,527,318 pink, and 135,690 chum salmon (Table 2).

In 2018, sockeye salmon were outstocked in saltwater at Telrod Cove and Ouzinkie Harbor and in the freshwater systems of Big Waterfall, Little Waterfall, Spiridon, Crescent, Hidden, Ruth, and Jennifer lakes to produce harvest opportunities in terminal fisheries near the outlets of these systems. Sockeye salmon were also outstocked in 2018 in Little Kitoi Lake and Bay for broodstock development. Coho salmon were outstocked into Crescent Lake (near the community of Port

[1] 2018 Annual Management Plan Kitoi Bay Hatchery. Unpublished. Available from Kodiak Regional Aquaculture Association, Kodiak, Alaska.

[2] 2018 Annual Management Plan Pillar Creek Hatchery. Unpublished. Available from Kodiak Regional Aquaculture Association, Kodiak, Alaska.

Lions) and Katmai Lake (on Spruce Island near the community of Ouzinkie) to provide subsistence and commercial harvest opportunities.

# ESCAPEMENT GOALS AND MONITORING

## ESCAPEMENT GOALS

In 2016, ADF&G staff reviewed previously established escapement goals within the KMA for each system and salmon species and recommended no change to 18 goals, modified 4 goals, and eliminated 2 goals (Schaberg et al. 2016). The directors of the Division of Commercial Fisheries and the Division of Sport Fish accepted these recommended changes to the escapement goals. In 2018, the KMA commercial salmon fisheries were managed to achieve escapement levels that were within the established ranges or, in some cases, which exceeded lower-bound escapement goals. Established goals in the KMA include 2 for Chinook salmon, 12 for sockeye salmon, 4 for coho salmon, 2 for pink salmon and 1 chum salmon (Table 3).

## ESCAPEMENT MONITORING

In 2018, weirs were operated on the major systems of the KMA (Table 4; Figure 2; Fuerst 2019). The 4 largest systems with weirs are the Karluk River, Ayakulik River, South Olga Lakes (Upper Station), and Dog Salmon Creek. There are 5 smaller systems with weirs: Afognak River (Litnik), Saltery Lake, Pasagshak River, Buskin River. On Dog Salmon Creek, a fish pass is operated upstream near the outlet of Frazer Lake. To avoid duplicates when summing escapement totals, the Dog Salmon weir counts are considered the total escapement for all species in this system except sockeye salmon. In some years, an appreciable number of sockeye salmon that pass the Dog Salmon weir do not ascend the fish pass to Frazer Lake. Sockeye salmon that do not ascend the fish pass to Frazer Lake are not likely to successfully spawn; therefore, the cumulative sockeye salmon count through the fish pass is considered the spawning escapement for the drainage.

The majority of sockeye salmon and Chinook salmon ascending rivers in the KMA were counted through weirs (Tables 3–5; Fuerst 2019). The timely nature of these data allowed for inseason stock-specific management. The remaining KMA sockeye salmon systems were monitored by aerial observation using small fixed-wing aircraft.

Most pink, chum, and coho salmon escapement estimates were collected from fixed-wing aircraft surveys of bays and streams. Coho salmon escapement estimates were incomplete due to poor weather conditions for conducting surveys and limited budgets. Foot surveys were also conducted on a few streams, primarily along the Kodiak road system. Aerial and foot survey counts are considered an index of the actual escapement and are utilized inseason to aid fishery management.

Peak indexed escapements were calculated postseason for all systems surveyed and, together with weir escapement data, were used to estimate an areawide escapement (Table 5). Peak indexed escapement for sockeye, chum, and coho salmon were defined as the highest daily aerial or foot survey count for each system for each year. For pink salmon, peak indexed escapement of each stream surveyed was estimated as the larger of either the highest daily survey count or the sum of 2 counts that were 30 or more days apart. This was done to compensate for the shorter stream life and more varied spawning dates of pink salmon. For Chinook salmon, peak indexed escapements were defined as the cumulative weir counts minus an estimate of upriver sport fishery harvest. Indexed peak salmon escapement estimates by species and district are listed in Appendix M1. Peak

escapement estimates by species for individual streams are published in a separate escapement report (Fuerst 2019).

## STOCK STATUS

### Chinook Salmon

In recent years there has been concern regarding the low returns of Chinook salmon escapement in the Karluk and Ayakulik rivers. In an attempt to increase escapement, regulation 5 AAC 18.395 provides ADF&G emergency order authority to prohibit retention of Chinook salmon 28 inches or greater in length by seine gear during fisheries in the Inner Karluk, Outer Karluk, Inner Ayakulik, and Outer Ayakulik sections and that portion of the Central Section south of the latitude of Cape Kuliuk when weir counts indicate inadequate escapement. Additionally, the Board of Fisheries (BOF) has mandated nonretention of Chinook salmon 28 inches or greater in length for the entire KMA from June 1 to July 5.

The 2018 Karluk River Chinook salmon season total weir count of 3,155 fish (Table 4; Fuerst 2019*)* was within the biological escapement goal (BEG) range of 3,000–6,000 fish (Table 3; Schaberg et al. 2016). The inriver Chinook salmon sport fishery was closed on the Karluk River for the entire 2018 season; therefore, the estimated total escapement is the same as the weir count.

In 2018, a total of 2,149 Chinook salmon were counted through the Ayakulik River weir (Table 4; Fuerst 2019). An inriver sport fishery targeting Chinook salmon was open to catch and release only through the entirety of the season. No harvest occurred during the 2018 Chinook salmon sport fishery upstream of the weir, this resulted in an estimated escapement of 2,149 fish, which was below the escapement goal range of 4,800–8,400 fish (Table 3; Schaberg et al. 2016).

Dog Salmon Creek has a run of Chinook salmon originally introduced in 1970. A total of 66 were counted through the Dog Salmon weir in 2018 (Table 4; Fuerst 2019). There is no escapement goal established for this system, but the average total season cumulative weir count during the previous decade (2008–2017) was 119 fish (Fuerst 2019). No sport fishery is allowed for Chinook salmon on Dog Salmon Creek, so the escapement is considered the total season cumulative weir count.

### Sockeye Salmon

Sockeye salmon counted through weirs accounted for about 96% (1,441,460 fish) of all documented sockeye salmon escapements in 2018 (Table 4). Additional escapements of 59,925 sockeye salmon were estimated by aerial and foot surveys in other systems such as Malina Creek, Ocean Beach, Kaflia Lake, Uganik Lake, Little River Lake, Thorsheim Lake, Pauls Lake, and Swikshak Lagoon (Fuerst 2019). With the exception of Afognak Lake, Malina Creek, Buskin and Pasagshak river systems, sockeye salmon escapements met or exceeded the escapement goals in river systems with established escapement goals within the KMA during the 2018 season (Table 3).

### Coho Salmon

Estimating coho salmon escapements to the KMA streams is difficult because of survey conditions and cost. Coho salmon often do not migrate into streams until late fall. Typically during this time, heavy rains will cause reduced water clarity, which creates difficult survey conditions. Coho salmon escapement goals were reevaluated in 2016 (Schaberg et al. 2016). Information adequate to establish escapement goals was only available for the American, Pasagshak, Buskin, and Olds rivers (Table 3). Escapements were estimated using a weir on the Buskin River and foot surveys

on the American, Olds, and Pasagshak rivers. In 2018, coho salmon escapement goals were achieved in the American, Olds, and Pasagshak rivers but not in the Buskin River (Table 3).

All salmon weirs were removed before the peak of the coho salmon run due to high water conditions and budget constraints.

### Pink Salmon

The majority of pink salmon streams were monitored by aerial surveys, although in 2018 approximately 57% (2,958,630 fish) of all KMA pink salmon escapement was counted through salmon weirs (Tables 4 and 5). The 2018 indexed pink salmon escapement of 4,874,342 fish in the Kodiak Island Archipelago was within the escapement goal range of 2,000,000–5,000,000 fish (Table 3; Schaberg et al. 2016). The Mainland District indexed pink salmon escapement of 280,400 fish was also within the escapement goal range of 250,000–1,000,000 fish (Table 3; Schaberg et al. 2016). Districtwide peak escapements are shown in Appendix M1.

### Chum Salmon

In 2010, department staff changed the aggregated chum salmon escapement goals that were developed in 2007 to separate lower-bound sustainable escapement goals (SEGs) for the Kodiak Archipelago and the Mainland District. In 2016, the Mainland aggregated chum salmon escapement goal was removed due to inconsistencies in the data and the Kodiak Archipelago goal was changed to an aggregate of 17 index steams.

The majority of the 2018 chum salmon escapement was estimated from aerial surveys, with less than 2% (3,064fish) counted through weirs (Tables 4 and 5). Estimating chum salmon escapements using aerial observations is more difficult than estimating escapements of other species of salmon. Chum salmon migrate into small sloughs and side creeks as well as into major river systems, and also may occupy more turbid systems, making observations difficult. Due to the remoteness of these systems, limited aerial surveys were conducted on several major KMA chum salmon systems along Kodiak Island's west side and in the Mainland District. Pink salmon, usually in greater numbers, are often present in chum salmon systems and make counting the less numerous chum salmon difficult. Estimates based on aerial surveys are considered minimum estimates of actual escapement.

The chum salmon escapement for the Kodiak Archipelago of 187,545 met the escapement goal of 101,000 fish (Table 3; Schaberg et al. 2016). In 2018, aerial surveys were conducted through the peak of chum salmon escapement in the majority of the KMA.

# COMMERCIAL SALMON FISHING

## BACKGROUND

Commercial salmon harvest records for the KMA date back to 1882 (Table 6; Roppel 1986). In 1974, a limited entry system was adopted by the State of Alaska that restricted the number of individuals allowed to participate in the commercial salmon fisheries (Rickey et al. 1975). In 2018, there were 593 commercial salmon fishing permits available in the KMA, of which 293 were fished (Table 7; CFEC 2018). This was below the recent 10-year average (2008–2017) of 315 permits fished annually.

Inseason management of the KMA commercial salmon fishery is structured around 7 districts that are subdivided into 56 sections (Appendices A1–A8). These sections are occasionally subdivided

further during the season to adjust fishing effort in response to unexpected salmon surpluses or deficits. Each section defines a traditional geographic harvest area managed for specific stocks or traditional fishing patterns. Divisions of sections, groups of sections, or districts that are opened or closed together are referred to as management units. The BOF has also designated 5 special harvest areas (SHAs; 5 AAC 40.085) and 1 terminal harvest area (THA; 5 AAC 18.378) within the KMA to provide harvest opportunity of enhanced salmon runs (Fuerst and Jackson 2018).

## GEAR TYPES

In the KMA, there are restrictions on the types of gear that can be used in specific areas based on historical gear use patterns (5 AAC 18.330). The majority of the KMA is open to seine gear only. Both purse and beach seine gear are allowed to operate in the entire management area. Prior to statehood, the Alitak Bay, Moser Bay, and Olga Bay sections of the Alitak District were designated as set gillnet only areas. In 1970, this regulation was amended such that the Alitak Bay, Moser Bay, and Olga Bay sections remained set gillnet fisheries only through September 4, after which seine gear is legal in the entire Alitak District (5 AAC 18.330(d)(2)). At the January 2017 BOF meeting a proposal was adopted which now allows set gillnet gear to be fished in the Humpy-Deadman and Cape Alitak sections north of a line from Cape Trinity to Cape Alitak, after September 4. This proposal is scheduled to sunset after the 2019 fishing season.

Set gillnet and seine gear are allowed in the Central Section of the Northwest Kodiak District, making this the only section where all gear types may operate simultaneously for the entire season (5 AAC 18.330(b)).

## BOARD OF FISHERIES–APPROVED REGULATORY MANAGEMENT PLANS

To regulate Kodiak commercial salmon fisheries, ADF&G staff are guided by 10 KMA salmon management plans that describe biological and allocative constraints and were adopted into regulation by the BOF (5 AAC 18.360–369; Table 8). These plans reflect traditional fishing opportunities and the subsequent harvest allocations that have resulted between and within gear types participating in specific fisheries, and they were all in effect during the 2018 season. These plans are the *Alitak District Salmon Management Plan* (Appendix D), *Westside Kodiak Salmon Management Plan* (Appendix E), *Eastside Afognak Management Plan* (Appendix G), *Eastside Kodiak Salmon Management Plan* (Appendix I), *Mainland District Salmon Management Plan* (Appendix K), and the *North Afognak/Shuyak Island Salmon Management Plan* (Appendix J). The *Cape Igvak Salmon Management Plan* (Appendix C) and *North Shelikof Strait Sockeye Salmon Management Plan* (Appendix F) affect Kodiak purse seine permit holders' opportunity to target salmon migrating through the KMA to spawning systems in the Chignik and Cook Inlet management areas. The *Crescent Lake Coho Salmon Management Plan* and *Spiridon Bay Sockeye Salmon Management Plan* (Appendix H) provide for full utilization of enhanced stocks while protecting local wild stocks.

## SALMON FORECASTS

ADF&G forecasts salmon runs to inform industry and management staff of the likely magnitude of salmon returns. In addition, the length of the initial fishing periods for pink salmon are determined preseason based on the magnitude of the pink salmon forecast (Fuerst and Jackson 2018). Chinook, coho, pink, and chum salmon harvests are projected by broad geographic area, whereas forecasts are made for major individual sockeye salmon stocks. Projected harvests are summarized by fishery and geographic area (Table 9; Brenner et al. 2018).

The 2018 commercial Chinook salmon projected harvest was 8,000 fish (Table 9). The sockeye salmon harvest was forecasted to be 2,609,500 fish (Table 9). This projection included formal forecasts for the major sockeye salmon systems of Karluk, Ayakulik, Upper Station, and Dog Salmon, plus projected harvests from minor sockeye salmon systems, supplemental production (from enhancement projects), and the Cape Igvak Section. The 2018 projected KMA harvest also included 400,200 coho, 8,700,000 pink, and 1,017,000 chum salmon (Table 9). These projections included expected supplemental production of salmon from Kitoi Bay hatchery and the Spiridon Bay enhancement projects.

## 2018 HARVEST STRATEGY

### Seasonal Abundance and Management Consideration

Fluctuations in the abundance of each species of salmon within the KMA follow a general chronology (Figure 3). Generally, early-run sockeye salmon are present throughout June to mid-July, and late-run sockeye salmon are present from mid-July through September. Pink and chum salmon are present in July and August. Coho salmon are generally present from August through October. Commercial salmon fisheries are structured around the seasonal abundance of specific salmon species.

The 2018 Kodiak Area Commercial Salmon Fishery Harvest Strategy, published in March 2018, outlined the approaching fishing season (Fuerst and Jackson 2018). This document contains a synopsis of the expected chronology of the 2018 commercial salmon fisheries by species, expected escapements and harvests, an overview of pertinent regulations, and a summary of the management plans that guide management throughout the season.

Sockeye salmon are the primary target species on which fishing periods are scheduled from June through early July. However, some early-run chum salmon stocks may influence management in localized areas. Pink salmon are the primary species managed from early July through mid-August, with some areas managed specifically for local sockeye salmon or chum salmon stocks. Late-run sockeye, coho, and late-run chum salmon are the primary targeted species from mid-August through early September. Coho salmon are the primary species managed after early September.

### Anticipated Commercial Fishery Openings

The 2018 harvest strategy listed June 9 as the initial opening date of the early-run sockeye salmon fishery, although the fishery may open as early as June 1 if Karluk River escapement is strong (Figure 3; Fuerst and Jackson 2018). The areas expected to be opened included the Central and North Cape sections of the Northwest Kodiak District. Results of the initial opening would be used to evaluate the actual run strength of the Karluk and Ayakulik early-run sockeye salmon stocks. The Foul Bay and Waterfall Bay SHAs and the Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, and Izhut Bay sections were scheduled to open to continuous fishing on June 9. A commercial salmon fishing period was not likely to be announced for June 9 in the Alitak District due to the expected weak early-run sockeye salmon forecast for Dog Salmon and Upper Station. The first fishing period could occur as early as June 1 in the Cape Igvak Section if the Chignik River sockeye salmon early run is stronger than expected and run timing was normal.

An initial 33-hour opening was scheduled to start June 9 in the Anton Larsen Bay, Sharatin Bay, Kizhuyak Bay, Terror Bay, Inner Uganik Bay, Spiridon Bay, Zachar Bay, and Uyak Bay sections of the Northwest Kodiak District to test run strength of the local chum and sockeye salmon returns. A second fishing period was scheduled for June 14, but it was to be concurrent with open fishing

periods in the Central and North Cape sections. Additionally, more areas could be opened during the second period if sockeye salmon escapements to local minor systems were of sufficient strength. From June 16 to July 5, additional fishing time in Westside Kodiak fisheries was based solely on the strength of the sockeye and early chum salmon runs, as determined by escapements.

Initial fishing periods in the Inner and Outer Ayakulik sections of the Southwest Kodiak District were solely dependent on sockeye salmon escapement into Ayakulik River. The preseason forecast (Brenner et al. 2018) projected a harvestable surplus which could be utilized during openings throughout the sockeye salmon run. Initial periods in the Southeast Afognak Section of the Afognak District were solely dependent on the sockeye salmon escapement into Afognak River.

Additional 33-hour fishing periods were scheduled for June 14 and 21 for select systems with minor sockeye salmon returns. These included the Eastside Kodiak District, the Northwest Afognak, Pauls Bay, and Perenosa Bay sections of the Afognak District, and the Big River and Outer Kukak Bay sections of the Mainland District. These periods were intended to target sockeye salmon runs to Saltery, Ocean Beach, Thorsheim, Long Lagoon, Pauls, Portage, Swikshak, and Kaflia Lake systems.

The initial fishing period targeting pink salmon was scheduled to begin July 6, and subsequent weekly fishing periods were projected for July and August (Fuerst and Jackson 2018). Based on the forecasted pink salmon run strength, the initial pink salmon opening was set at 57 hours in length, with the 3 subsequent fishing periods following in July and August also set at 57 hours per week. Adjustments in fishing time in late July and August in most areas is to be determined by the run strength of local pink and chum salmon runs and on the strength of coho salmon runs in September.

# 2018 COMMERCIAL SALMON FISHERY SUMMARY

The 2018 Kodiak commercial salmon fishery began on June 9 with a 57-hour fishing period in the majority of the Northwest Kodiak District and an indefinite period in terminal fisheries at Foul and Waterfall bays and in the Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections (Appendix B1 and B2). Two fishing periods of 81 hours were allowed in the Outer Karluk Section beginning on June 16 and June 25. There was only one 57-hour fishing period allowed in the Outer Ayakulik Section in June targeting early-run sockeye salmon. The two 33-hour openings scheduled for June 14 and 21 in the Eastside Kodiak District, the Northwest Afognak, Pauls Bay, and Perenosa Bay sections of the Afognak District and the Outer Kukak Bay and Big River sections of the Mainland District occurred as scheduled (Appendix B1 and B2). The majority of the Alitak District opened for 57 hours beginning on June 25. There was no commercial fishing allowed in the Cape Igvak Section in June because the Chignik early sockeye salmon run was well below the forecast. In total, the Central and North Cape sections were open for 13 days in June.

The pink salmon fishery started as scheduled with a 57-hour weekly fishing period on July 6. The subsequent fishing period in July took place as scheduled but the third weekly period was delayed by 3 days as it became apparent the pink salmon run may be well below forecast. The magnitude of the Chignik sockeye salmon run was not sufficient to warrant fishing periods within the Cape Igvak Section from July 11 to July 25.

Beyond the anticipated fishery openings in the harvest strategy, additional fishing opportunities were provided by emergency order to facilitate the harvest of salmon determined to be in excess

of escapement needs based on inseason analysis of abundance. A narrative of the management actions is detailed separately for each plan in Appendices C through K.

In 2018, the KMA commercial salmon harvest occurred over a 112-day period, with the last reported landing occurring on September 28 (Figure 3). A total of 15 buyer/locations purchased salmon within the KMA in 2018 (Table 10).

## PERMIT HOLDER PARTICIPATION

A total of 293 KMA commercial salmon fishing permit holders reported harvests in the common property fishery in 2018. This was 16 fewer permits than during the 2017 season and below the recent 10-year average (2008–2017) of 315 permits (Table 7). Purse seine participation during the 2018 season (151 permits) was 12 permits less than the 2017 season and below the previous 10-year average (2008–2017) of 162 permits. Two beach seine permit holders were active during the 2018 season, which was similar to the 10-year average (2008–2017). Set gillnet participation in the 2018 KMA commercial salmon fishing season was made up of 140 permits, 3 less than the 2017 season and below the recent 10-year average (2008–2017) of 150 permits (Table 7).

Set gillnet permit participation statistics from 2008 to 2010 are not comparable to other years because from 2008 to 2010, individual set gillnet permit holders were allowed to own 2 permits and operate 2 sets of gear. During the years in which this regulation (5 AAC 18.331(j)) was in effect, ADF&G could not collect accurate effort statistics from the fish ticket data in the KMA set gillnet fishery because fish tickets did not document the number of dual permit holders fishing both sets of gear.

## HARVEST

A total of 8,673,038 salmon were harvested in the 2018 KMA commercial fisheries (common property and cost recovery combined), which was well below the recent 10-year (2008–2017) average of 21,563,091 salmon (Table 6).

Not including cost recovery, purse seine permit holders caught 88% (7,616,575 fish) of the total number of salmon harvested, which included 3,567 Chinook, 1,309,676 sockeye, 392,993 coho, 5,499,705 pink, and 410,634 chum salmon in the common property fishery (Table 11). Set gillnet permit holders caught 12% (996,277 fish) of the salmon harvested, which included 328 Chinook, 454,184 sockeye, 45,072 coho, 443,800 pink, and 52,893 chum salmon in the common property fishery (Table 11). Beach seine permit holders harvest was confidential in 2018 due to only 2 permits fished (Table 11).

## CHINOOK SALMON

The Chinook salmon harvest of 3,895 fish was well below the 10-year average (2008–2017) of 13,726 fish (Table 6) and below the projected harvest of 8,000 fish (Table 9). The average weight of Chinook salmon sold in the common property fishery was 6.75 lb (Table 11). The majority of the Chinook salmon was harvested in Eastside and Northwest Kodiak districts in June and July. Chinook salmon harvests ranged from a low of 2 fish harvested in Northeast Kodiak District to a high of 1,195 fish harvested in the Northwest Kodiak District.

## SOCKEYE SALMON

The sockeye salmon harvest of 1,820,350 fish (Table 6) was below both the forecast of 2,609,500 fish (Table 9) and 10-year average (2008–2017) catch of 2,295,350 fish (Table 6). The average

weight of sockeye salmon sold in the common property fishery was 5.09 lb (Table 11). Approximately 63% of the sockeye salmon harvest (1,156,313 fish) came from the Westside Kodiak fisheries[3] (Table 9). Approximately 15% of the sockeye salmon harvest (254,318 fish) came from the Alitak District (Table 9). Approximately 8% of the sockeye salmon harvest (342,888 fish) came from the Spiridon Bay sockeye salmon project fishery (Table 9). Approximately 6% of the sockeye salmon harvest (118,095 fish) came from the Ayakulik fishery (Table 9). There was no sockeye salmon harvest from the Cape Igvak fishery in 2018 (Table 9). The area near the Kitoi Bay Hatchery accounted for a sockeye salmon harvest of 25,381 fish, although an unknown portion of these fish were likely not of hatchery origin.

## COHO SALMON

The coho salmon harvest of 438,065 fish (Table 6) was similar to the forecast of 400,200 fish (Table 9) and above the 10-year average (2008–2017) of 296,287 fish (Table 6). The average weight of coho salmon sold in the common property fishery was 8.17 lb (Table 11). Westside Kodiak fisheries (excluding the Southwest Afognak Section) harvested approximately 158,115 coho salmon, above the forecast of 142,900 fish (Table 9). The Eastside/Northend Kodiak coho salmon harvest[4] of 75,620 fish was above the forecast of 62,000 fish (Table 9). The Afognak nonhatchery harvest of 52,291 coho salmon was above the forecast of 29,400 fish (Table 9). The coho salmon harvest attributed to the Kitoi Bay Hatchery was 129,140 fish, which was similar to the hatchery forecast of 134,000 fish (Table 9).

## PINK SALMON

The pink salmon harvest of 5,946,894 fish (Table 6) was below the harvest forecast of 8,700,000 fish (Table 9) and below the recent 5 even-year average (2008–2016) of 9,696,480 fish (Table 6). The average pink salmon weight of 3.85 lb (Table 11) was above the 2017 average weight of 3.7 lb. The Afognak nonhatchery (wild stock) pink salmon harvest of 90,817 fish was well below the harvest projection of 1,449,000 fish. The Westside Kodiak fisheries harvest of 1,658,943 fish accounted for approximately 60% of the total wild KMA pink salmon harvest and was below the Westside Kodiak forecast of 3,534,100 fish (Table 9). The fishery associated with the Kitoi Bay Hatchery accounted for 3,184,120 pink salmon, which was above the forecast of 2,100,000 fish (Table 9). The KRAA did not prosecute a Kitoi Bay cost recovery fishery in 2018 therefore all pink salmon in excess of broodstock needs were harvested in the common property fishery. Additional hatchery-bound pink salmon were probably harvested along the west side and east side of Kodiak and Afognak islands. However, ADF&G does not have a stock separation program for pink salmon and is unable to differentiate stocks.

## CHUM SALMON

The chum salmon harvest of 463,834 fish (Table 6) was well below the forecast of 1,017,000 fish (Table 9) and well below the 10-year average (2008–2017) of 848,458 fish (Table 6). The average weight of the chum salmon harvested in the common property fishery was 8.04 lb (Table 11). Westside Kodiak fisheries harvested 106,096 chum salmon, which was well below the forecast of

[3] From the Southwest Afognak Section (251-10 and -20) and the Northwest Kodiak District (except the Spiridon and Settler Cove Special Harvest Areas), Inner and Outer Karluk sections, plus 50% of the Halibut Bay Section from June 21 to July 15 and 100% after July 31, minus the estimated contribution bound for the Spiridon SHA.

[4] From the Eastside Kodiak District (all 258s and 259-40 to 259-42), Northeast Kodiak District (259-21 to 259-25), and the North Cape, Anton Larsen Bay, Sharatin Bay, and Kizhuyak sections, plus part of the Central Section (259-35–259-39).

330,200 fish (Table 9). The Eastside/Northend Kodiak fishery total harvest of 85,459 chum salmon was well below the forecast of 230,400 fish. The Mainland District total harvest of 17,816 chum salmon was also well below the forecast of 97,700 fish (Table 9). The chum salmon harvest attributed to the Kitoi Bay Hatchery of 166,041 fish below the forecast of 263,000 fish (Table 9).

### EXVESSEL VALUE

The estimated total exvessel value of the 2018 KMA commercial salmon fishery (not including cost recovery) was $27,263,475 (Table 11), which was well below the 10-year (2008–2017) average exvessel value of $37,884,989 (Table 12). This exvessel value was based on inseason price estimates and does not reflect additional payments made to fishermen for dock deliveries, refrigerated or iced fish, or postseason adjustments. The average price per pound, by gear and species, can be found in Table 11.

Seine permit holders' gross earnings averaged $147,748 in 2018 (2008–2017 average $188,865; Table 12). Gillnet permit holders' gross earnings averaged $35,118 (2008–2017 average $43,615; Table 12), whereas the beach seine permit holders' earnings were confidential in 2018 (Table 12).

### TEST FISHERY AND COST RECOVERY

The ADF&G test fishery program harvested salmon in 2018 to help cover the cost of managing the commercial salmon fishery. A total of zero Chinook, 7 sockeye, 682 coho, 15,844 pink, and 370 chum salmon were harvested under the ADF&G test fishery program with a total exvessel value of $23,665.

The KRAA has conducted a cost-recovery program to pay for operational costs at the Kitoi Bay Hatchery from 1987 to 1989 and 2003 to 2017. In 2018, KRAA did not conduct a cost-recovery program in the vicinity of the Kitoi Bay Hatchery but did conduct the Spiridon Bay SHA cost recovery fishery.[5] The cost-recovery program in Spiridon Bay SHA (in Telrod Cove) was conducted to cover the cost of running the enhancement program for Spiridon Lake. From July 6 to July 29, 51,790 sockeye, 2,652 pink, and 299 chum salmon were harvested in this program.

## NONCOMMERCIAL SALMON HARVESTS

### SUBSISTENCE SALMON FISHERY

Subsistence salmon permits are available to Alaska residents and are issued annually to obtain harvest data. Since 1989, Kodiak staff has mailed out permits, regulations, and a map showing closed-water areas to all permit holders who returned their harvest report from the previous year. Subsistence fishermen are required to return their permits to ADF&G after the salmon season, listing areas fished by date and salmon harvest by species. With few restrictions, the entire KMA was open to subsistence salmon fishing in recent years. Only the freshwater systems of Afognak Island (which are relatively small, easily accessible, and at risk of overexploitation) and some areas near heavily exploited salmon systems were closed to subsistence salmon fishing by regulation (5 AAC 01.525).

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[5] 2018 Annual Management Plan Kitoi Bay Hatchery. Unpublished. Available from Kodiak Regional Aquaculture Association, Kodiak, Alaska.
2018 Annual Management Plan Pillar Creek Hatchery. Unpublished. Available from Kodiak Regional Aquaculture Association, Kodiak, Alaska.

Historically, the most utilized subsistence fishery areas are on the north end of Kodiak Island, the saltwater areas in proximity to the Buskin and Pasagshak rivers, and the southeast side of Afognak Island in Afognak Bay targeting Litnik fish, although all three systems required restrictions to subsistence fishing in 2018 due to low returns of sockeye salmon. The 2018 subsistence harvest data were not summarized at the time this report was written. In 2017, 1,478 permit holders returned subsistence permits and reported a harvest of 25,158 salmon, including 80 Chinook, 22,436 sockeye, 1,918 coho, 446 pink, and 278 chum salmon (Table 13). Reported subsistence salmon harvests averaged 28,807 fish annually for the 10-year period 2007–2016 (Table 13). Sockeye salmon have accounted for 83% of the recent 10-year average harvest (23,824 fish), followed by coho salmon at 12% (3,462 fish), pink salmon at 4% (1,154 fish), and both Chinook salmon (149 fish) and chum salmon (219 fish) at about 1% (Table 13).

## RETENTION OF SALMON TAKEN IN COMMERCIAL FISHERIES

In the KMA, commercial fishermen are required to report the number of salmon taken but not sold on an ADF&G fish ticket at the time of landing (5 AAC 18.355(b)). Additionally, under *General Provisions* (5 AAC 39.010), "A person engaged in commercial fishing may retain finfish from lawfully taken commercial catch for that person's own use, including for the use as bait in a commercial fishery. Finfish retained under this section may not be sold or bartered."

In 2018, 75 permit holders reported retaining 6,774 salmon from their commercial harvest for "home pack" or personal use. This included 92 Chinook, 3,802 sockeye, 2,630 coho, 214 pink, and 36 chum salmon (Table 14).

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# TABLES AND FIGURES

Table 1.–Estimated number of streams with documented salmon production by district, and species, in the Kodiak Management Area.

| Management District | Number of streams[a] | Number of streams with each species[b] | | | | |
|---|---|---|---|---|---|---|
| | | Chinook | Sockeye | Coho | Pink | Chum |
| Afognak | 125 | 0 | 25 | 96 | 104 | 16 |
| Northwest Kodiak | 70 | 0 | 5 | 33 | 69 | 29 |
| Southwest Kodiak | 11 | 2 | 4 | 6 | 11 | 6 |
| Alitak | 34 | 1 | 8 | 16 | 31 | 22 |
| Eastside Kodiak | 107 | 1 | 9 | 48 | 93 | 58 |
| Northeast Kodiak | 43 | 2 | 5 | 34 | 33 | 15 |
| Mainland | 103 | 0 | 7 | 21 | 101 | 70 |
| TOTAL | 493 | 6 | 60 | 254 | 441 | 215 |

[a] The State of Alaska's Division of Sport Fish identifies over 1,200 streams in the Kodiak Management Area that have documented use by anadromous fish (Johnson and Blossom 2018). Many of these streams are very small and may only be used by pink salmon in years with very large returns.

[b] These estimates are based on current knowledge and are expected to change as more system-specific data are collected.

Table 2.–Estimated commercial harvest of salmon from Kodiak Regional Aquaculture Association projects in the Kodiak Management Area, 1994–2018.

| | Number of Salmon | | | | |
|---|---|---|---|---|---|
| Year | Sockeye | Coho | Pink | Chum | Total |
| 1994 | 277,884 | 46,984 | 2,051,375 | 10,799 | 2,387,042 |
| 1995 | 186,371 | 42,235 | 4,519,885 | 215,351 | 4,963,842 |
| 1996 | 487,900 | 57,200 | 979,143 | 14,189 | 1,538,432 |
| 1997 | 248,336 | 110,334 | 1,213,615 | 11,029 | 1,583,314 |
| 1998 | 315,109 | 148,333 | 6,272,029 | 38,118 | 6,773,589 |
| 1999 | 582,218 | 116,513 | 4,057,093 | 140,896 | 4,896,720 |
| 2000 | 287,387 | 133,238 | 3,659,698 | 303,783 | 4,384,106 |
| 2001 | 244,761 | 151,732 | 13,126,761 | 216,266 | 13,739,520 |
| 2002 | 565,422 | 209,259 | 6,696,774 | 88,724 | 7,560,179 |
| 2003 | 796,359 | 144,389 | 5,533,522 | 466,205 | 6,940,475 |
| 2004 | 266,150 | 128,291 | 3,962,421 | 239,610 | 4,596,472 |
| 2005 | 206,860 | 151,729 | 13,603,742 | 91,814 | 14,054,145 |
| 2006 | 113,869 | 168,205 | 4,158,109 | 177,548 | 4,617,731 |
| 2007 | 207,309 | 125,781 | 7,884,867 | 210,699 | 8,428,656 |
| 2008 | 316,197 | 120,366 | 2,118,392 | 93,025 | 2,647,980 |
| 2009 | 248,339 | 154,473 | 9,080,346 | 94,905 | 9,578,063 |
| 2010 | 311,323 | 116,647 | 3,292,029 | 191,998 | 3,911,997 |
| 2011 | 491,670 | 70,335 | 2,174,975 | 320,578 | 3,057,558 |
| 2012 | 324,108 | 49,791 | 2,971,123 | 218,794 | 3,563,816 |
| 2013 | 457,039 | 53,533 | 11,772,629 | 96,909 | 12,380,110 |
| 2014 | 377,800 | 231,987 | 5,779,624 | 45,621 | 6,435,032 |
| 2015 | 308,948 | 49,556 | 4,957,615 | 55,266 | 5,371,385 |
| 2016 | 231,588 | 12,282 | 1,122,800 | 72,890 | 1,439,560 |
| 2017 | 378,897 | 34,456 | 2,003,651 | 166,915 | 2,583,919 |
| 2018 | 180,339 | 131,068 | 3,199,981 | 166,324 | 3,677,712 |
| Average | | | | | |
| 2008–2017 | 344,591 | 89,343 | 4,527,318 | 135,690 | 5,096,942 |

*Source:* ADF&G fish ticket summaries.

*Note:* Includes harvest from the Kitoi Bay Hatchery (Izhut Bay, Duck Bay, and Kitoi Bay sections [statistical areas 252-30 to 252-32 and 252-35]). SHA harvests are from the returns to the Spiridon Lake project (in the Spiridon SHA, 254-50, and adjacent sections), the Foul Bay SHA (251-41), the Waterfall Bay SHA (251-84), and the Settler Cove SHA (259-35). Includes fish not sold and set aside for personal use by commercial fishermen and cost-recovery harvests.

Table 3.–Comparison of 2018 salmon peak escapements and escapement goals of index streams or districts, by species, in the Kodiak Management Area.

| *Species* | | Stream | Escapement Goal | | Escapement |
|---|---|---|---|---|---|
| | System (or group of systems) | Number | Lower | Upper | Estimate[a] |
| *Chinook* | | | | | |
| | Karluk [b] | 255-101 | 3,000 | 6,000 | 3,155 |
| | Ayakulik [b] | 256-201 | 4,800 | 8,400 | 2,149 |
| *Sockeye* | | | | | |
| | Malina | 251-105 | 1,000 | 10,000 | 500 |
| | Afognak | 252-342 | 20,000 | 50,000 | 17,601 |
| | Karluk | 255-101 | | | |
| | Early run | | 150,000 | 250,000 | 198,877 |
| | Late run | | 200,000 | 450,000 | 434,402 |
| | Ayakulik | 256-201 | | | |
| | Early run | | 140,000 | 280,000 | 189,008 |
| | Late run | | 60,000 | 120,000 | 77,325 |
| | Upper Station | 257-304 | | | |
| | Early run | | 43,000 | 93,000 | 61,732 |
| | Late run | | 120,000 | 265,000 | 235,669 |
| | Frazer | 257-403 | 75,000 | 170,000 | 201,161 |
| | Buskin | 259-211 | 5,000 | 8,000 | 4,284 |
| | Pasagshak[c] | 259-411 | 3,000 | | 1,100 |
| | Saltery | 259-415 | 15,000 | 35,000 | 19,299 |
| *Coho* | | | | | |
| | Buskin | 259-211 | 4,700 | 9,600 | 4,523 |
| | American | 259-231 | 400 | | 800 |
| | Olds (Sid Olds) | 259-242 | 1,000 | | 1,100 |
| | Pasagshak | 259-411 | 1,200 | | 5,600 |
| *Pink* | | | | | |
| | Mainland District | | 250,000 | 1,000,000 | 280,400 |
| | Kodiak Archipelago | | 3,000,000 | 7,000,000 | 4,874,342 |
| *Chum* | | | | | |
| | Kodiak Archipelago | | 151,000 | | 187,545 |

[a] Escapement estimates in this table are based on the best available information. Some estimates are weir counts. If weir counts are not available, either peak aerial or foot survey counts are depicted. In some cases (such as Malina, for example) the escapement estimate available is a minimal count based on limited information.

[b] Escapement of Chinook salmon includes weir counts minus an estimate of sport fish harvest, if any, above the weir.

[c] Escapement estimate from aerial survey. The 2018 Pasagshak River sockeye salmon weir count was 2,019 fish.

Table 4.–Fish weir installation and removal dates and cumulative salmon weir counts for systems with weirs in the Kodiak Management Area, 2018.

| | 2018 Dates | | Salmon Species Enumerated | | | | |
|---|---|---|---|---|---|---|---|
| Weir Location | Installed | Removed | Chinook | Sockeye | Coho | Pink | Chum |
| Karluk River[a] | 18-May | 3-Sep | 3,155 | 633,279 | 14,533 | 2,275,207 | 464 |
| Ayakulik River | 25-May | 25-Aug | 2,149 | 266,333 | 3,333 | 378,084 | 11 |
| Dog Salmon Creek[b] | 24-May | 8-Aug | 66 | 232,526 | 58 | 250,509 | 2,440 |
| Frazer Lake Fish Pass[b] | 21-May | 22-Aug | 39 | 201,161 | 0 | 9 | 0 |
| Upper Station (Olga Creek)[c] | 21-May | 18-Sep | 0 | 297,401 | 17,187 | 2,120 | 0 |
| Litnik (Afognak River) | 15-May | 12-Aug | 0 | 17,601 | 2,494 | 11,400 | 6 |
| Buskin River | 16-May | 8-Sep | 0 | 4,284 | 4,523 | 40,366 | 64 |
| Lake Louise[d] | 1-Jun | 17-Sep | 0 | 83 | 0 | 3 | 0 |
| Saltery River[e] | 13-Jun | 16-Aug | 2 | 19,299 | 20 | 905 | 9 |
| Pasagshak River | 6-Jun | 15-Aug | 4 | 2,019 | 54 | 36 | 70 |
| Totals | | | 5,376 | 1,441,460 | 42,202 | 2,958,630 | 3,064 |

[a] Count includes post-weir estimate of 158,000 sockeye, 47,000 pink, and 11,000 coho salmon.

[b] Some sockeye salmon that pass Dog Salmon weir are not counted at Frazer Lake fish pass due to mortality or failure to migrate up the fish pass and are not likely to spawn; the Frazer Lake fish pass count is considered the best escapement estimate of sockeye salmon, and the Dog Salmon sockeye salmon count is omitted from the totals.

[c] Upper Station total includes a post-weir estimate of 19,000 sockeye salmon.

[d] All species of salmon, with the exception of sockeye salmon, were already counted at the lower Buskin River weir and are not included in totals.

[e] Saltery system sockeye salmon total reflects 3,546 fish removed for KRAA hatchery broodstock.

Table 5.–Indexed salmon escapements by species in the Kodiak Management Area, 1979–2018.

| | Number of salmon | | | | | |
|---|---|---|---|---|---|---|
| Year | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1979 | 14,445 | 1,417,055 | 94,155 | 3,063,724 | 613,325 | 5,202,704 |
| 1980 | 5,853 | 1,816,487 | 27,300 | 6,401,258 | 829,070 | 9,079,968 |
| 1981 | 15,657 | 1,391,588 | 61,150 | 3,190,677 | 741,978 | 5,401,050 |
| 1982 | 10,929 | 1,604,026 | 86,497 | 5,370,249 | 1,023,923 | 8,095,624 |
| 1983 | 27,447 | 1,296,118 | 100,913 | 2,095,104 | 825,564 | 4,345,146 |
| 1984 | 14,411 | 1,470,230 | 119,811 | 4,519,966 | 604,441 | 6,728,859 |
| 1985 | 13,891 | 2,557,363 | 193,224 | 3,209,450 | 723,402 | 6,697,330 |
| 1986 | 11,025 | 2,020,773 | 160,505 | 3,926,175 | 688,705 | 6,807,183 |
| 1987 | 23,669 | 1,544,688 | 169,554 | 3,018,455 | 514,763 | 5,271,129 |
| 1988 | 35,015 | 1,666,319 | 92,652 | 3,773,072 | 614,332 | 6,181,390 |
| 1989[a] | 26,131 | 3,021,252 | 165,387 | 14,645,387 | 1,432,609 | 19,290,766 |
| 1990 | 25,996 | 1,978,885 | 163,717 | 6,074,372 | 474,618 | 8,717,588 |
| 1991 | 27,306 | 2,416,005 | 259,850 | 4,317,610 | 887,736 | 7,908,507 |
| 1992 | 19,013 | 1,947,247 | 287,746 | 3,512,074 | 530,128 | 6,296,208 |
| 1993 | 22,122 | 1,679,319 | 159,998 | 4,291,581 | 234,381 | 6,387,401 |
| 1994 | 21,591 | 1,985,432 | 201,033 | 3,637,615 | 521,691 | 6,367,362 |
| 1995 | 30,843 | 1,814,290 | 231,205 | 10,498,232 | 469,856 | 13,044,426 |
| 1996 | 21,089 | 1,803,929 | 193,074 | 3,349,738 | 394,784 | 5,762,614 |
| 1997 | 28,534 | 1,725,309 | 235,039 | 3,260,029 | 459,293 | 5,708,204 |
| 1998 | 24,652 | 1,769,131 | 234,734 | 7,088,985 | 374,381 | 9,491,883 |
| 1999 | 26,872 | 2,112,665 | 133,398 | 4,081,686 | 882,257 | 7,236,878 |
| 2000 | 31,362 | 1,742,208 | 136,423 | 4,508,174 | 888,592 | 7,306,759 |
| 2001 | 18,753 | 1,417,344 | 250,552 | 3,390,773 | 557,925 | 5,635,347 |
| 2002 | 20,115 | 1,604,130 | 171,471 | 8,399,602 | 530,591 | 10,725,909 |
| 2003 | 25,548 | 2,159,040 | 122,824 | 5,096,762 | 380,523 | 7,784,697 |
| 2004 | 32,939 | 1,730,489 | 71,456 | 8,786,518 | 533,091 | 11,154,493 |
| 2005 | 13,488 | 1,515,916 | 106,363 | 4,039,674 | 244,255 | 5,919,696 |
| 2006 | 7,467 | 984,658 | 64,954 | 5,842,942 | 787,549 | 7,687,570 |
| 2007 | 8,441 | 1,260,920 | 49,848 | 2,550,653 | 294,342 | 4,164,204 |
| 2008 | 3,916 | 931,517 | 66,200 | 3,174,124 | 223,907 | 4,399,664 |
| 2009 | 4,053 | 1,118,444 | 109,190 | 5,138,889 | 293,145 | 6,663,721 |
| 2010 | 8,569 | 1,095,458 | 108,081 | 3,644,133 | 300,285 | 5,156,526 |

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Table 5.–Page 2 of 2.

| Year | Number of Salmon | | | | | |
|---|---|---|---|---|---|---|
| | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 2011 | 7,820 | 1,014,840 | 83,812 | 2,780,214 | 422,130 | 4,308,816 |
| 2012 | 8,110 | 1,302,793 | 119,672 | 5,524,374 | 341,334 | 7,296,283 |
| 2013 | 4,291 | 1,326,677 | 77,310 | 5,071,191 | 397,499 | 6,876,968 |
| 2014 | 2,139 | 1,641,574 | 85,000 | 2,987,932 | 245,920 | 4,962,565 |
| 2015 | 5,250 | 1,515,837 | 38,356 | 6,369,131 | 441,576 | 8,370,150 |
| 2016 | 8,126 | 1,285,363 | 65,837 | 1,764,586 | 202,485 | 3,326,397 |
| 2017 | 6,387 | 1,522,210 | 83,708 | 6,089,116 | 764,323 | 8,465,744 |
| 2018 | 5,378 | 1,501,385 | 186,696 | 5,154,742 | 345,745 | 7,193,946 |
| Average–Previous 10 Years: | | | | | | |
| 2008–2017 | 5,866 | 1,275,471 | 83,717 | 4,254,369 | 363,260 | 5,982,683 |
| Odd Years | | | | 5,089,708 | | |
| Even Years | | | | 3,419,030 | | |
| Average–Previous Decades: | | | | | | |
| 2000–2009 | 16,608 | 1,446,467 | 114,928 | 5,092,811 | 473,392 | 7,144,206 |
| 1990–1999 | 24,802 | 1,923,221 | 209,979 | 5,011,192 | 522,913 | 7,692,107 |
| 1980–1989 | 18,403 | 1,838,884 | 117,699 | 5,014,979 | 799,879 | 7,789,845 |
| Average–Overall: | | | | | | |
| 1979–2017 | 17,007 | 1,646,347 | 132,872 | 4,832,929 | 556,172 | 7,185,326 |

*Note:* Data include peak counts from aerial and foot surveys, plus end-of-season totals from weired systems, except upriver sport harvest of Chinook salmon, which is deducted from weir counts.

[a] Commercial fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill. Despite this, 1989 data are included in applicable averages.

Table 6.–Commercial salmon harvest by species in the Kodiak Management Area, 1882–2018.

| | Number of salmon[a] | | | | | |
|---|---|---|---|---|---|---|
| Year | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1882 | - | 58,800 | - | - | - | 58,800 |
| 1883 | - | 188,706 | - | - | - | 188,706 |
| 1884 | - | 282,184 | - | - | - | 282,184 |
| 1885 | - | 468,580 | - | - | - | 468,580 |
| 1886 | - | 646,100 | - | - | - | 646,100 |
| 1887 | - | 1,004,500 | - | - | - | 1,004,500 |
| 1888 | - | 2,781,100 | - | - | - | 2,781,100 |
| 1889 | - | 3,754,735 | - | - | - | 3,754,735 |
| 1890 | - | 3,592,707 | - | - | - | 3,592,707 |
| 1891 | - | 3,846,388 | - | - | - | 3,846,388 |
| 1892 | - | 3,126,459 | - | - | - | 3,126,459 |
| 1893 | - | 3,244,609 | - | - | - | 3,244,609 |
| 1894 | - | 3,830,336 | - | - | - | 3,830,336 |
| 1895 | - | 2,246,966 | 8,321 | - | - | 2,255,287 |
| 1896 | - | 3,328,846 | - | - | - | 3,328,846 |
| 1897 | - | 2,785,515 | 1,500 | - | - | 2,787,015 |
| 1898 | - | 2,033,094 | 19,175 | - | - | 2,052,269 |
| 1899 | 1,104 | 1,934,771 | 32,475 | - | - | 1,968,350 |
| 1900 | 4,838 | 3,450,480 | 32,239 | - | - | 3,487,557 |
| 1901 | 3,838 | 4,826,159 | - | 2,015 | - | 4,832,012 |
| 1902 | 2,932 | 3,868,101 | 34,972 | - | - | 3,906,005 |
| 1903 | 1,187 | 1,826,163 | 119,541 | 10,000 | - | 1,956,891 |
| 1904 | 3,190 | 2,875,118 | 103,136 | 5,180 | - | 2,986,624 |
| 1905 | 2,496 | 2,142,367 | 86,913 | - | - | 2,231,776 |
| 1906 | 3,640 | 3,980,462 | 23,738 | - | - | 4,007,840 |
| 1907 | 4,015 | 4,232,454 | 38,059 | - | - | 4,274,528 |
| 1908 | 3,028 | 2,487,848 | 73,789 | 286,374 | - | 2,851,039 |
| 1909 | 3,907 | 1,915,230 | 51,500 | 153,595 | - | 2,124,232 |
| 1910 | 1,598 | 1,954,717 | 44,291 | 215,382 | - | 2,215,988 |
| 1911 | 689 | 2,685,949 | 21,870 | 229,551 | 6,492 | 2,944,551 |
| 1912 | 686 | 2,246,467 | 17,491 | 547,171 | 24,588 | 2,836,403 |
| 1913 | 1,082 | 1,663,163 | 27,634 | 590,039 | 3,822 | 2,285,740 |
| 1914 | 1,329 | 1,255,444 | 32,063 | 1,726,411 | 13,094 | 3,028,341 |
| 1915 | 939 | 1,664,426 | 51,819 | 252,073 | 20,331 | 1,989,588 |
| 1916 | 1,038 | 3,373,055 | 49,683 | 3,181,890 | 28,962 | 6,634,628 |
| 1917 | 1,457 | 3,645,914 | 30,485 | 225,335 | 15,961 | 3,919,152 |
| 1918 | 2,021 | 1,894,466 | 78,169 | 2,467,325 | 81,699 | 4,523,680 |
| 1919 | 1,831 | 1,619,101 | 104,233 | 282,715 | 60,102 | 2,067,982 |
| 1920 | 1,637 | 1,957,636 | 88,970 | 1,977,421 | 55,175 | 4,080,839 |
| 1921 | 660 | 2,857,922 | 45,764 | 67,688 | 24,779 | 2,996,813 |
| 1922 | 703 | 1,097,359 | 119,724 | 2,766,257 | 223,970 | 4,208,013 |
| 1923 | 1,915 | 1,090,117 | 77,554 | 928,510 | 38,653 | 2,136,749 |
| 1924 | 1,002 | 1,407,525 | 120,686 | 5,435,091 | 117,883 | 7,082,187 |
| 1925 | 1,911 | 1,693,057 | 92,960 | 2,673,675 | 212,492 | 4,674,095 |

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Table 6.–Page 2 of 4.

| Year | Number of salmon[a] | | | | | |
|---|---|---|---|---|---|---|
| | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1926 | 596 | 3,015,366 | 174,475 | 4,606,694 | 324,706 | 8,121,837 |
| 1927 | 4,358 | 1,155,202 | 151,548 | 5,297,305 | 417,956 | 7,026,369 |
| 1928 | 2,546 | 1,592,003 | 290,645 | 1,535,313 | 726,480 | 4,146,987 |
| 1929 | 3,200 | 712,126 | 144,226 | 6,108,402 | 1,057,662 | 8,025,616 |
| 1930 | 4,991 | 466,409 | 228,800 | 1,651,398 | 419,011 | 2,770,609 |
| 1931 | 1,541 | 1,183,074 | 170,075 | 6,839,906 | 183,737 | 8,378,333 |
| 1932 | 1,873 | 1,058,446 | 52,192 | 4,719,939 | 237,023 | 6,069,473 |
| 1933 | 1,140 | 1,428,373 | 91,428 | 6,573,660 | 536,935 | 8,631,536 |
| 1934 | 1,300 | 1,828,953 | 89,588 | 7,641,891 | 661,341 | 10,223,073 |
| 1935 | 1,393 | 1,613,519 | 76,849 | 10,780,612 | 381,753 | 12,854,126 |
| 1936 | 2,548 | 2,657,195 | 183,903 | 5,647,726 | 328,218 | 8,819,590 |
| 1937 | 1,257 | 1,881,304 | 164,902 | 16,787,150 | 346,238 | 19,180,851 |
| 1938 | 1,232 | 1,965,943 | 154,959 | 8,397,981 | 640,119 | 11,160,234 |
| 1939 | 2,272 | 1,786,445 | 112,171 | 11,741,218 | 641,693 | 14,283,799 |
| 1940 | 1,233 | 1,318,233 | 148,016 | 9,997,899 | 673,265 | 12,138,646 |
| 1941 | 2,571 | 1,730,201 | 199,515 | 7,601,531 | 444,521 | 9,978,339 |
| 1942 | 1,329 | 1,281,529 | 106,865 | 6,092,526 | 564,924 | 8,047,173 |
| 1943 | 1,133 | 1,990,557 | 59,661 | 12,479,608 | 454,205 | 14,985,164 |
| 1944 | 668 | 1,817,875 | 51,675 | 4,955,354 | 506,703 | 7,332,275 |
| 1945 | 2,021 | 2,041,090 | 60,122 | 9,044,544 | 559,332 | 11,707,109 |
| 1946 | 129 | 838,863 | 56,425 | 9,545,871 | 298,486 | 10,739,774 |
| 1947 | 99 | 993,394 | 76,230 | 8,856,666 | 294,518 | 10,220,907 |
| 1948 | 1,401 | 1,260,465 | 32,364 | 5,968,487 | 330,795 | 7,593,512 |
| 1949 | 851 | 892,336 | 53,737 | 4,927,779 | 699,548 | 6,574,251 |
| 1950 | 2,127 | 920,885 | 40,653 | 5,304,701 | 685,109 | 6,953,475 |
| 1951 | 2,402 | 467,875 | 48,792 | 2,100,377 | 483,057 | 3,102,503 |
| 1952 | 1,081 | 603,677 | 51,567 | 4,576,726 | 1,243,227 | 6,476,278 |
| 1953 | 2,991 | 317,150 | 41,681 | 5,174,645 | 547,574 | 6,084,041 |
| 1954 | 942 | 325,157 | 66,430 | 8,439,231 | 1,250,833 | 10,082,593 |
| 1955 | 2,428 | 164,482 | 34,582 | 10,794,164 | 482,425 | 11,478,081 |
| 1956 | 1,123 | 271,249 | 52,844 | 3,318,841 | 705,047 | 4,349,104 |
| 1957 | 1,030 | 234,253 | 34,995 | 4,716,482 | 1,208,472 | 6,195,232 |
| 1958 | 1,942 | 288,014 | 20,555 | 4,038,938 | 930,698 | 5,280,147 |
| 1959 | 1,837 | 330,087 | 14,512 | 1,967,058 | 733,784 | 3,047,278 |
| 1960 | 1,238 | 362,525 | 54,308 | 6,737,817 | 1,300,386 | 8,456,274 |
| 1961 | 864 | 407,979 | 28,579 | 3,926,023 | 518,935 | 4,882,380 |
| 1962 | 1,095 | 784,664 | 54,583 | 14,113,851 | 794,727 | 15,748,920 |
| 1963 | 286 | 407,040 | 57,011 | 5,480,158 | 305,061 | 6,249,556 |
| 1964 | 1,306 | 498,488 | 35,535 | 12,044,341 | 1,134,163 | 13,713,833 |
| 1965 | 786 | 346,237 | 26,672 | 2,886,831 | 431,340 | 3,691,866 |
| 1966 | 599 | 631,646 | 67,700 | 10,755,582 | 762,766 | 12,218,293 |
| 1967 | 1,753 | 308,756 | 10,354 | 187,813 | 226,681 | 735,357 |
| 1968 | 1,936 | 760,393 | 56,629 | 8,768,122 | 750,428 | 10,337,508 |
| 1969 | 2,469 | 591,481 | 48,759 | 12,500,823 | 534,933 | 13,678,465 |

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Table 6.–Page 3 of 4.

| Year | Number of salmon[a] | | | | | |
|---|---|---|---|---|---|---|
| | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1970 | 1,089 | 917,045 | 66,421 | 12,035,549 | 919,102 | 13,939,206 |
| 1971 | 920 | 478,479 | 22,844 | 4,334,492 | 1,541,444 | 6,378,179 |
| 1972 | 1,300 | 222,408 | 16,587 | 2,478,064 | 1,163,426 | 3,881,785 |
| 1973 | 800 | 167,341 | 3,573 | 511,708 | 317,921 | 1,001,343 |
| 1974 | 545 | 418,761 | 13,631 | 2,647,196 | 249,294 | 3,329,427 |
| 1975 | 101 | 136,418 | 23,659 | 2942801 | 84,431 | 3,187,410 |
| 1976 | 766 | 641,484 | 23,714 | 11,077,992 | 740,495 | 12,484,451 |
| 1977 | 585 | 623,468 | 27,920 | 6,252,405 | 1,072,313 | 7,976,691 |
| 1978 | 3,228 | 1,071,782 | 48,795 | 15,004,065 | 814,345 | 16,942,215 |
| 1979 | 1,907 | 630,756 | 140,629 | 11,285,809 | 358,336 | 12,417,437 |
| 1980 | 529 | 651,394 | 139,154 | 17,290,615 | 1,075,557 | 19,157,249 |
| 1981 | 1,418 | 1,288,949 | 121,544 | 10,336,747 | 1,345,313 | 13,093,971 |
| 1982 | 1,214 | 1,203,787 | 344,823 | 8,089,780 | 1,262,587 | 10,902,191 |
| 1983 | 3,839 | 1,231,989 | 157,612 | 4,603,371 | 1,085,165 | 7,081,976 |
| 1984 | 4,657 | 1,950,439 | 229,524 | 10,844,293 | 649,092 | 13,678,005 |
| 1985 | 4,970 | 1,842,731 | 284,166 | 7,334,825 | 430,757 | 9,897,449 |
| 1986 | 4,381 | 3,188,046 | 168,690 | 11,807,727 | 1,134,372 | 16,303,216 |
| 1987 | 4,613 | 1,794,224 | 192,433 | 4,920,365 | 680,994 | 7,592,629 |
| 1988 | 22,374 | 2,698,349 | 303,267 | 14,262,355 | 1,426,400 | 18,712,745 |
| 1989 | 106 | 1,289,511 | 2,599 | 6,825,124 | 19,972 | 8,137,312 |
| 1990 | 18,808 | 5,247,569 | 293,819 | 5,983,812 | 577,748 | 12,121,756 |
| 1991 | 22,234 | 5,702,754 | 324,860 | 16,642,836 | 1,029,057 | 23,721,741 |
| 1992 | 24,299 | 4,166,762 | 280,085 | 3,310,639 | 679,540 | 8,461,325 |
| 1993 | 41,029 | 4,377,523 | 313,467 | 34,019,390 | 588,328 | 39,339,737 |
| 1994 | 22,576 | 2,876,878 | 296,311 | 8,162,564 | 738,851 | 12,097,180 |
| 1995 | 18,704 | 4,487,568 | 307,795 | 42,849,294 | 1,522,786 | 49,186,147 |
| 1996 | 13,071 | 4,968,954 | 201,836 | 3,486,930 | 543,729 | 9,214,520 |
| 1997 | 18,728 | 2,503,423 | 381,005 | 11,035,023 | 520,264 | 14,458,443 |
| 1998 | 17,341 | 3,623,031 | 425,143 | 22,062,465 | 316,107 | 26,444,087 |
| 1999 | 18,299 | 4,650,738 | 296,979 | 11,898,307 | 913,817 | 17,778,140 |
| 2000 | 12,293 | 2,905,403 | 332,998 | 9,927,374 | 1,194,414 | 14,372,482 |
| 2001 | 23,827 | 2,657,601 | 407,977 | 19,567,052 | 1,053,691 | 23,710,148 |
| 2002 | 19,263 | 1,824,848 | 496,073 | 18,327,818 | 650,144 | 21,318,146 |
| 2003 | 18,531 | 4,041,886 | 339,457 | 14,065,615 | 1,151,757 | 19,617,246 |
| 2004 | 28,899 | 4,165,880 | 489,871 | 21,440,641 | 1,121,855 | 27,247,146 |
| 2005 | 14,411 | 3,047,142 | 396,030 | 30,139,434 | 477,416 | 34,074,433 |
| 2006 | 20,283 | 1,583,876 | 553,524 | 31,693,347 | 1,081,989 | 34,933,019 |
| 2007 | 17,222 | 2,012,564 | 356,063 | 24,809,213 | 728,912 | 27,923,974 |
| 2008 | 17,176 | 1,819,143 | 300,793 | 8,788,655 | 908,035 | 11,833,802 |
| 2009 | 7,219 | 1,726,971 | 288,744 | 27,648,943 | 955,808 | 30,627,685 |
| 2010 | 14,550 | 1,436,606 | 266,431 | 8,864,796 | 734,806 | 11,317,189 |
| 2011 | 18,454 | 2,266,651 | 188,474 | 16,642,402 | 823,202 | 19,939,183 |
| 2012 | 14,785 | 2,232,441 | 208,514 | 16,873,244 | 866,381 | 20,195,365 |

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Table 6.–Page 4 of 4.

| Year | Number of salmon[a] | | | | | |
|---|---|---|---|---|---|---|
| | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 2013 | 34,028 | 2,573,757 | 268,799 | 28,192,164 | 794,054 | 31,862,802 |
| 2014 | 8,382 | 3,259,037 | 472,035 | 10,674,898 | 336,572 | 14,750,924 |
| 2015 | 8,087 | 3,097,344 | 396,145 | 33,024,992 | 770,539 | 37,297,107 |
| 2016 | 7,478 | 2,063,566 | 206,542 | 3,280,808 | 403,881 | 5,962,275 |
| 2017 | 7,101 | 2,476,502 | 366,395 | 27,103,276 | 1,891,299 | 31,844,573 |
| 2018 | 3,895 | 1,820,350 | 438,065 | 5,946,894 | 463,834 | 8,673,038 |
| Averages[b] | | | | | | |
| 2008–2017 | 13,726 | 2,295,202 | 296,287 | 18,109,418 | 848,458 | 21,563,091 |
| Even Years, 2008–2016 | | | | 9,696,480 | | |
| Odd Years, 2009–2017 | | | | 26,063,543 | | |
| 1882–2017 | 5,872 | 1,865,514 | 146,684 | 8,912,784 | 635,973 | 11,047,716 |
| 1949–2017 | 8,785 | 1,748,068 | 186,553 | 11,784,359 | 815,522 | 14,543,288 |
| Even Years, 1950–2016 | | | | 10,485,699 | | |
| Odd Years, 1949–2017 | | | | 13,083,018 | | |

*Source:* 1882–1947 data are from processors' case pack information. 1948–2018 data are from ADF&G fish ticket summaries and are considered more accurate than previous data.

[a] Harvest numbers include cost-recovery harvest but do not include subsistence or test fishery catches or commercially caught fish retained for personal use.

[b] Averages do not include 1989. Commercial fisheries were severely limited due to the M/V Exxon Valdez oil spill.

Table 7.–Summary of limited entry permit activity in the commercial salmon fishery by gear type in the Kodiak Management Area, 1980–2018.

| | Purse seine | | Beach seine | | Set gillnet | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| Year | Available | Fished | Available | Fished | Available | Fished | Available | Fished | Percent |
| 1980 | 387 | 370 | 35 | 33 | 187 | 168 | 609 | 571 | 94 |
| 1981 | 387 | 325 | 35 | 30 | 187 | 169 | 609 | 524 | 86 |
| 1982 | 386 | 345 | 35 | 30 | 187 | 170 | 608 | 545 | 90 |
| 1983 | 383 | 342 | 35 | 27 | 188 | 174 | 606 | 543 | 90 |
| 1984 | 384 | 296 | 35 | 25 | 188 | 168 | 607 | 489 | 81 |
| 1985 | 384 | 270 | 35 | 21 | 188 | 169 | 607 | 460 | 76 |
| 1986 | 385 | 287 | 35 | 14 | 187 | 174 | 607 | 475 | 78 |
| 1987 | 386 | 298 | 35 | 18 | 188 | 173 | 609 | 489 | 80 |
| 1988 | 387 | 323 | 35 | 21 | 188 | 180 | 610 | 524 | 86 |
| 1989[a] | 387 | 5 | 35 | 1 | 189 | 87 | 611 | 93 | 15 |
| 1990 | 388 | 354 | 35 | 21 | 189 | 184 | 612 | 559 | 91 |
| 1991 | 388 | 348 | 35 | 17 | 189 | 185 | 612 | 550 | 90 |
| 1992 | 387 | 335 | 35 | 12 | 189 | 178 | 611 | 525 | 86 |
| 1993 | 387 | 324 | 36 | 9 | 190 | 176 | 613 | 509 | 83 |
| 1994 | 387 | 285 | 36 | 5 | 190 | 169 | 613 | 459 | 75 |
| 1995 | 386 | 312 | 36 | 8 | 189 | 173 | 611 | 493 | 81 |
| 1996 | 384 | 261 | 36 | 6 | 189 | 172 | 609 | 439 | 72 |
| 1997 | 384 | 261 | 36 | 5 | 188 | 174 | 608 | 440 | 72 |
| 1998 | 384 | 217 | 36 | 2 | 188 | 171 | 608 | 390 | 64 |
| 1999 | 384 | 220 | 36 | 4 | 188 | 173 | 608 | 397 | 65 |
| 2000 | 383 | 223 | 34 | 2 | 188 | 173 | 605 | 398 | 66 |
| 2001 | 384 | 182 | 34 | 0 | 188 | 172 | 606 | 354 | 58 |
| 2002 | 382 | 149 | 34 | 0 | 188 | 93 | 604 | 242 | 40 |
| 2003 | 377 | 143 | 33 | 0 | 188 | 161 | 598 | 304 | 51 |
| 2004 | 375 | 140 | 32 | 0 | 188 | 164 | 595 | 304 | 51 |
| 2005 | 374 | 135 | 31 | 0 | 188 | 165 | 593 | 300 | 51 |
| 2006 | 375 | 130 | 31 | 1 | 188 | 153 | 594 | 284 | 48 |
| 2007 | 377 | 140 | 31 | 3 | 188 | 157 | 596 | 300 | 50 |
| 2008[b] | 374 | 128 | 31 | 0 | 188 | 148 | 593 | 276 | 47 |
| 2009[b] | 374 | 157 | 31 | 1 | 188 | 132 | 593 | 290 | 49 |
| 2010[b] | 374 | 155 | 31 | 2 | 188 | 158 | 593 | 315 | 53 |
| 2011 | 376 | 175 | 31 | 7 | 188 | 157 | 595 | 339 | 57 |
| 2012 | 376 | 168 | 31 | 4 | 188 | 164 | 595 | 336 | 56 |
| 2013 | 376 | 170 | 31 | 3 | 188 | 152 | 595 | 325 | 55 |
| 2014 | 373 | 184 | 31 | 3 | 188 | 146 | 592 | 333 | 56 |

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Table 7.–Page 2 of 2.

| | Purse Seine | | Beach Seine | | Set Gillnet | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| Year | Available | Fished | Available | Fished | Available | Fished | Available | Fished | Percent |
| 2015 | 372 | 180 | 31 | 1 | 188 | 154 | 591 | 335 | 57 |
| 2016 | 374 | 165 | 30 | 3 | 188 | 137 | 592 | 305 | 52 |
| 2017 | 375 | 163 | 30 | 3 | 188 | 143 | 593 | 309 | 52 |
| 2018 | 375 | 151 | 30 | 2 | 188 | 140 | 593 | 293 | 49 |
| Recent 10-year Average: | | | | | | | | | |
| 2008–2017 | 375 | 162 | 31 | 3 | 188 | 150 | 593 | 315 | 53 |
| Average–Previous Decades: | | | | | | | | | |
| 2000–2009 | 378 | 153 | 32 | 1 | 188 | 152 | 598 | 305 | 51 |
| 1990–1999 | 386 | 292 | 36 | 9 | 189 | 176 | 611 | 476 | 78 |
| 1980–1988[a] | 385 | 317 | 35 | 24 | 188 | 172 | 608 | 513 | 84 |
| Average[a]–Overall: | | | | | | | | | |
| 1980–2017 | 381 | 234 | 34 | 9 | 188 | 163 | 603 | 406 | 67 |

*Source:* Commercial Fisheries Entry Commission Summary Information and Reports (CFEC 2018) and ADF&G fish ticket summaries.

[a] Commercial fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill. 1989 data are not included in averages.

[b] From 2008 to 2010, a provision allowing set gillnet permit holders to fish two permits has resulted in the second permit not being recorded in the harvest data. This provision was discontinued before the 2011 season.

Table 8.–Alaska Board of Fisheries–approved salmon management plans for the Kodiak Management Area, 2018.

| Management plan | Year initiated | Management units affected | Dates in effect |
|---|---|---|---|
| Cape Igvak Salmon | 1978 | Cape Igvak Section<br>Wide Bay Section | 6/5–7/25 |
| Alitak District Salmon | 1987 | Alitak District | 6/1–10/31 |
| Westside Kodiak Salmon | 1990 | NW Kodiak District<br>SW Kodiak District<br>SW Afognak Section | 6/1–10/31 |
| Crescent Lake Coho Salmon | 1990 | Special Harvest Area<br>in the Central Section<br>near Port Lions | 7/15–10/31 |
| North Shelikof Strait Sockeye Salmon | 1991 | SW Afognak Section<br>NW Afognak Section<br>Shuyak Island Section<br>Big River Section<br>Hallo Bay Section<br>Inner and Outer Kukak Bay Sections<br>Dakavak Bay Section | 7/6–7/25 |
| Spiridon Bay Sockeye Salmon | 1993 | Special Harvest Area<br>in Spiridon Bay Section | 6/9–10/31 |
| Eastside Afognak Salmon | 1993 | Southeast Afognak Section<br>Kitoi Bay Section<br>Izhut Bay Section<br>Duck Bay Section<br>Raspberry Strait Section | 6/1–10/31 |
| Eastside Kodiak Salmon | 1995 | Eastside Kodiak District<br>NE Kodiak District | 6/14–10/31 |
| Afognak Shuyak Salmon | 1995 | Perenosa Bay Section<br>Shuyak Island Section<br>NW Afognak Section | 6/1–10/31 |
| Mainland District Salmon | 1999 | Mainland District | 6/14–10/31 |

Table 9.–Projected versus actual 2018 commercial salmon harvest, by species and fishery, for the Kodiak Management Area.

| | Number of Salmon | | | | | |
|---|---|---|---|---|---|---|
| | Chinook | Sockeye | Coho | Pink | Chum | Total |
| Projected Harvest 2018[a] | 8,000 | 2,609,500 | 400,200 | 8,700,000 | 1,017,000 | 12,734,700 |
| Actual Harvest 2018 | 3,895 | 1,820,350 | 438,065 | 5,946,894 | 463,834 | 8,673,038 |

| | 2018 Harvest | |
|---|---|---|
| Fishery | Projection[b] | Actual[c] |
| Early Sockeye Salmon Fisheries (6/1–7/15 except Cape Igvak which is 6/1–6/26) | | |
| Kitoi Bay Hatchery[d] | 24,500 | 10,282 |
| Cape Igvak[e] | 67,500 | 0 |
| Karluk[f] | 192,000 | 139,292 |
| Ayakulik[g] | 115,500 | 98,796 |
| Alitak District[h] | 75,000 | 81,002 |
| Minor enhancement[i] | 29,000 | 6,168 |
| Spiridon[j] | 137,000 | 57,792 |
| Other[k] | 358,000 | 31,946 |
| Subtotal | 998,500 | 425,278 |
| Late Sockeye Salmon Fisheries (7/16–10/31 except Cape Igvak which is 7/8–7/25) | | |
| Kitoi Bay Hatchery[d] | 24,500 | 15,099 |
| Cape Igvak[e] | 52,000 | 0 |
| Karluk[f] | 622,500 | 1,017,021 |
| Ayakulik[g] | 78,000 | 19,299 |
| Alitak District[h] | 148,000 | 196,526 |
| Spiridon[j] | 137,000 | 90,831 |
| Other[k] | 549,000 | 56,296 |
| Subtotal | 1,611,000 | 1,395,072 |
| Total Sockeye | 2,609,500 | 1,820,350 |
| Coho Salmon Fisheries | | |
| Kitoi Bay Hatchery[d] | 134,000 | 129,140 |
| Afognak (non-hatchery)[l] | 29,400 | 52,291 |
| Westside Kodiak[m] | 142,900 | 158,115 |
| Alitak District | 10,600 | 21,403 |
| Eastside/Northend Kodiak[n] | 62,000 | 75,620 |
| Mainland District | 21,300 | 1,496 |
| Subtotal | 400,200 | 438,065 |

-continued-

Table 9.–Page 2 of 3.

| Fishery | 2018 Harvest Projection [b] | 2018 Harvest Actual [c] |
|---|---|---|
| **Pink Salmon Fisheries** | | |
| Kitoi Bay Hatchery [d] | 2,100,000 | 3,184,120 |
| Afognak (non-hatchery) [l] | 1,449,000 | 90,817 |
| Westside Kodiak [m] | 3,534,100 | 1,658,943 |
| Alitak District [n] | 760,800 | 780,486 |
| Eastside/Northend Kodiak [n] | 747,900 | 205,202 |
| Mainland District | 108,200 | 27,326 |
| Subtotal/Wild stock pinks | 6,600,000 | 2,762,774 |
| Subtotal/all pinks | 8,700,000 | 5,946,894 |
| **Chum Salmon Fisheries** | | |
| Kitoi Bay Hatchery [d] | 263,000 | 166,041 |
| Afognak (non-hatchery) [l] | 61,400 | 5,119 |
| Westside Kodiak [m] | 333,200 | 160,096 |
| Alitak District | 31,300 | 29,303 |
| Eastside/Northend Kodiak [n] | 230,400 | 85,459 |
| Mainland District | 97,700 | 17,816 |
| Subtotal | 1,017,000 | 463,834 |
| Grand Total [o] | 12,734,700 | 8,673,038 |

[a] Includes commercial harvest, test fisheries, and cost-recovery harvests, but does not include subsistence, sport, or personal use fisheries.

[b] Projected harvests for enhanced and major sockeye salmon systems are based on formal forecasts for those individual stocks (total run minus escapement); the projected harvest from minor sockeye salmon systems and other salmon species are based on less formal escapement-to-return relationships, environmental factors, and interspecies competition (Brenner et al. 2018).

[c] Actual harvest is the number of fish taken in a particular geographic area, not the catch assigned to an individual salmon stock.

[d] From the Duck Bay, Izhut Bay, and Inner and Outer Kitoi Bay sections only.

[e] From the Cape Igvak Section. Early run is from the beginning of the season through June 26. Late run is from July 8 to July 25.

[f] From the Southwest Afognak Section, Northwest Kodiak District (except for Spiridon and Settler Cove Special Harvest Areas), Inner and Outer Karluk sections, plus 50% of Halibut Bay Section from June 21 to July 15 and 100% after July 31 minus the estimated contribution from the Spiridon SHA. Includes the majority of Karluk sockeye salmon harvest.

[g] From the Outer and Inner Ayakulik sections, plus 50% of Halibut Bay Section from June 21 to July 15 and 100% from July 16–31.

[h] From the Alitak District.

[i] From the Foul Bay, Waterfall Bay, and Settler Cove Special Harvest Areas.

[j] From the Spiridon Bay Special Harvest Area (Telrod Cove), plus an estimate of the Spiridon-bound sockeye salmon contributing to the Westside Kodiak fishery.

-continued-

[k] Includes sockeye salmon harvested from minor systems at Inner and Outer Ugak Bay (Saltery), Buskin River, Perenosa Bay (Portage), Northwest Afognak (Thorsheim and Long Lagoon), Big River (Swikshak), and Outer Kukak Bay (Kaflia and Kuliuk) sections and migrating fish of undetermined origin.

[l] From the Afognak District except the Duck Bay, Izhut Bay, and Inner and Outer Kitoi Bay sections.

[m] From the Southwest Kodiak District (all 255s and 256s) and the Northwest Kodiak District (all 253s and 254s), except for the North Cape, Anton Larsen Bay, Sharatin Bay, and Kizhuyak Bay sections and part of the Central Section (259-30 to 259-39).

[n] From the Eastside Kodiak District (all 258s, and 259-40 to 259-42), Northeast Kodiak District (259-21 to 259-27, 259-10), and the North Cape, Anton Larsen Bay, Sharatin Bay and Kizhuyak Bay sections, plus part of the Central Section (259-30 to 259-39)

[o] Includes the projected 2018 harvest of 8,000 Chinook salmon and the actual harvest of 3,895 Chinook salmon.

Table 10.–Commercial salmon buyers and processing plants active in the Kodiak Management Area, by geographic area and type, 2018.

| | Shore-based Processors | | |
|---|---|---|---|
| Buyers/Processors | Kodiak City | Kodiak Borough | Other Areas |
| Icicle Seafoods | | X | |
| Alaska Pacific Seafoods | X | | |
| International Seafoods of Alaska | X | | |
| Ocean Beauty Seafoods Kodiak | X | | |
| Ocean Beauty Seafoods Alitak | | X | |
| Adelaide Sage Fisheries | | X | |
| Pacific Seafoods Kodiak | X | | |
| Trident Star of Kodiak | X | | |
| Old Harbor Finest | | X | |
| Half Moon Bay Fisheries | | X | |
| Kodiak Wildsource | X | | |
| Richard Blanc Akhiok Skiff | | X | |
| Peterson Plus | | X | |
| Adelia Myrick | | X | |
| Broken Point Setnet Site | | X | |
| Totals | 6 | 9 | 0 |

Table 11.–Commercial salmon harvest and value, by gear and species, in the Kodiak Management Area, 2018.

| | Number of Salmon | | | | | | |
|---|---|---|---|---|---|---|---|
| | Chinook | Sockeye | Coho | Pink | Chum | Total | % |
| Purse | | | | | | | |
| Total # [a] | 3,567 | 1,309,676 | 392,993 | 5,499,705 | 410,634 | 7,616,575 | 88.4 |
| Avg. wt. | 6.49 | 4.99 | 8.19 | 3.84 | 7.99 | | |
| Total lbs. [a] | 23,154 | 6,535,833 | 3,218,594 | 21,096,075 | 3,279,105 | 34,152,761 | 87.1 |
| Avg. $/lb. [b] | $0.73 | $1.52 | $0.76 | $0.39 | $0.51 | | |
| Exvessel Value ($) | $16,861.74 | $9,958,877.50 | $2,433,932.97 | $8,240,337.86 | $1,659,886.23 | $22,309,896.29 | 81.8 |
| # of Permits = 151 | | | | | | | |
| Average Value ($) | $111.67 | $65,952.83 | $16,118.76 | $54,571.77 | $10,992.62 | $147,747.66 | |
| Percent (%) | 0.1 | 44.6 | 10.9 | 36.9 | 7.4 | 100.0 | |
| Beach Seine [c] | | | | | | | |
| Total # | | | | | | | |
| Avg. wt. | | | | | | | |
| Total lbs. | | | | | | | |
| Avg. $/lb. | | | | | | | |
| Exvessel Value ($) | | | | | | | |
| # of Permits = 2 | | | | | | | |
| Average Value ($) | | | | | | | |
| Percent (%) | | | | | | | |
| Set Gillnet | | | | | | | |
| Total # [a] | 328 | 454,184 | 45,072 | 443,800 | 52,893 | 996,277 | 11.6 |
| Avg. wt. | 9.60 | 5.37 | 7.95 | 4.01 | 8.44 | | |
| Total lbs. [a] | 3,149 | 2,440,025 | 358,453 | 1,777,894 | 446,506 | 5,026,027 | 12.8 |
| Avg. $/lb. [b] | $0.64 | $1.62 | $0.61 | $0.28 | $0.55 | | |
| Exvessel Value ($) | $2,028.48 | $3,940,769.70 | $220,032.07 | $506,086.42 | $247,578.20 | $4,916,494.87 | 18.0 |
| # of Permits = 140 | | | | | | | |
| Average Value ($) | $14.49 | $28,148.35 | $1,571.66 | $3,614.90 | $1,768.42 | $35,117.82 | |
| Percent (%) | 0.0 | 80.2 | 4.5 | 10.3 | 5.0 | 100.0 | |
| Total All Gear | | | | | | | |
| Total # [a] | 3,895 | 1,768,560 | 438,065 | 5,944,242 | 463,535 | 8,618,297 | 100.0 |
| Avg. wt. | 6.75 | 5.09 | 8.17 | 3.85 | 8.04 | | |
| Total Lbs. [a] | 26,303 | 8,999,546 | 3,577,047 | 22,876,644 | 3,725,680 | 39,205,220 | 100.0 |
| Avg. $/lb. [b] | $0.72 | $1.55 | $0.74 | $0.38 | $0.51 | | |
| Exvessel Value ($) | $18,890.22 | $13,935,652.95 | $2,653,965.04 | $8,747,467.52 | $1,907,499.62 | $27,263,475.36 | 100.0 |
| % of Total Value | 0.1 | 51.1 | 9.7 | 32.1 | 7.0 | 100.0 | |

[a] Numbers and pounds of fish are derived from ADF&G fish ticket summaries. There were 7,059 fish tickets generated in 2018; each ticket represents a landing. Each gear type had the following landings: Purse Seine – 3,447; Beach Seine – 18; Set Gillnet – 3,594. Numbers do not include commercially harvested salmon retained for personal use or subsistence, sport fishery, or cost-recovery harvests.

[b] Figures for average price per pound are based on fish ticket information. Some fish tickets may not show price per pound figures. These average prices may not reflect payments made to fishermen for refrigerated or iced fish, dock deliveries, or postseason settlements.

[c] Confidential.

Table 12.–Commercial salmon harvest, in numbers of fish, exvessel value of the harvest in dollars, and value of average permit holder harvest by gear type, in the Kodiak Management Area, 2006–2018.

| | Total | Total | Average Exvessel Value[c] | | |
|---|---|---|---|---|---|
| Year | Catch[a] | Value[b] | Purse Seine | Gillnet | Beach Seine |
| 2006 | 32,595,862 | $24,820,388 | $150,038 | $33,926 | [d] |
| 2007 | 26,239,484 | $28,174,695 | $148,504 | $41,404 | $3,484 |
| 2008 | 10,127,638 | $25,806,691 | $143,819 | $43,202 | $0 |
| 2009 | 28,338,446 | $33,698,297 | $174,566 | $44,918 | [d] |
| 2010 | 10,291,590 | $24,269,085 | $130,009 | $25,728 | [d] |
| 2011 | 18,228,922 | $44,247,720 | $225,633 | $31,155 | $13,750 |
| 2012 | 19,032,409 | $44,988,487 | $219,164 | $52,084 | $16,367 |
| 2013 | 30,145,552 | $59,391,598 | $304,526 | $55,673 | $24,487 |
| 2014 | 13,995,803 | $42,806,102 | $183,451 | $61,504 | $23,796 |
| 2015 | 34,353,663 | $34,381,769 | $163,566 | $29,953 | [d] |
| 2016 | 5,031,781 | $14,509,665 | $66,243 | $25,972 | $7,111 |
| 2017 | 29,978,602 | $54,750,472 | $277,675 | $65,957 | $19,216 |
| 2018 | 8,618,297 | $27,263,475 | $147,748 | $35,118 | [d] |
| Recent 10-year Average[e] | | | | | |
| 2008–2017 | 19,952,441 | $37,884,989 | $188,865 | $43,615 | $14,961 |

[a] Number of fish. Does not include fish retained for personal use, ADF&G test fishery, or cost-recovery harvests.

[b] Exvessel value is based on inseason price estimates and do not include postseason adjustments or are adjusted for inflation.

[c] Exvessel values are based on fish ticket information. These average values may not reflect payments made to harvesters for iced fish or dock deliveries and do not include any postseason adjustments or adjustments due to inflation.

[d] Confidential data.

[e] Beach Seine recent 10-year average exvessel value does not include years in which no permit made a delivery.

Table 13.–Subsistence salmon fishery harvest from ADF&G permit reports, by species, for the Kodiak Management Area, 1990–2018.

| Year | Permits Issued | Permits Returned | Percent Returned | Number of Salmon | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1991 | -[a] | 2,660 | - | 177 | 21,835 | 8,208 | 1,743 | 714 | 32,677 |
| 1992 | -[a] | 2,614 | - | 318 | 20,684 | 8,643 | 1,646 | 643 | 31,934 |
| 1993 | -[a] | 1,774 | - | 243 | 19,471 | 7,176 | 2,696 | 838 | 30,424 |
| 1994 [c] | 2,550 | 1,518 | 60 | 205 | 17,962 | 7,491 | 1,758 | 440 | 27,856 |
| 1995 [c] | 1,950 | 1,218 | 62 | 175 | 19,416 | 5,603 | 1,548 | 293 | 27,035 |
| 1996 [c] | 1,567 | 1,413 | 90 | 253 | 28,287 | 5,117 | 1,125 | 381 | 35,163 |
| 1997 [c] | 2,098 | 1,596 | 76 | 383 | 33,293 | 6,369 | 1,458 | 234 | 41,737 |
| 1998 [c] | 1,845 | 1,048 | 57 | 350 | 20,459 | 5,348 | 1,412 | 214 | 27,783 |
| 1999 [c] | 1,422 | 1,239 | 87 | 397 | 26,534 | 4,974 | 1,229 | 388 | 33,522 |
| 2000 [c] | 1,710 | 1,442 | 84 | 351 | 31,667 | 6,383 | 977 | 375 | 39,753 |
| 2001 [c] | 2,376 | 1,975 | 83 | 273 | 33,878 | 5,920 | 1,158 | 427 | 41,656 |
| 2002 [c] | 2,276 | 2,051 | 90 | 588 | 33,844 | 6,175 | 1,665 | 350 | 42,622 |
| 2003 [c] | 2,268 | 2,042 | 90 | 510 | 32,193 | 6,098 | 1,509 | 388 | 40,698 |
| 2004 [c] | 2,239 | 2,050 | 92 | 379 | 30,503 | 5,857 | 1,403 | 261 | 38,403 |
| 2005 [c] | 2,290 | 1,949 | 85 | 434 | 27,664 | 7,703 | 2,350 | 592 | 38,743 |
| 2006 [c] | 2,096 | 1,911 | 91 | 280 | 22,985 | 6,640 | 1,827 | 441 | 32,173 |
| 2007 [c] | 2,096 | 1,927 | 92 | 207 | 25,656 | 4,715 | 1,585 | 266 | 32,429 |
| 2008 [c] | 2,037 | 1,738 | 85 | 159 | 21,852 | 4,570 | 1,180 | 186 | 27,947 |
| 2009 [c] | 1,926 | 1,777 | 92 | 176 | 23,018 | 4,125 | 1,919 | 342 | 29,580 |
| 2010 [c] | 2,022 | 1,890 | 93 | 158 | 22,037 | 4,188 | 1,263 | 273 | 27,919 |
| 2011 [c] | 2,211 | 1,999 | 90 | 112 | 33,958 | 2,344 | 1,154 | 166 | 37,734 |
| 2012 [c] | 2,121 | 1,870 | 88 | 54 | 24,074 | 2,920 | 1,154 | 166 | 28,368 |
| 2013 [c] | 2,080 | 1,698 | 82 | 119 | 27,881 | 2,528 | 826 | 175 | 31,529 |
| 2014 [c] | 1,996 | 1,674 | 84 | 184 | 22,815 | 3,916 | 572 | 185 | 27,672 |
| 2015 [c] | 1,798 | 1,516 | 84 | 186 | 16,043 | 3,045 | 1,168 | 271 | 20,713 |
| 2016 [c] | 1,782 | 1,523 | 85 | 135 | 20,902 | 2,267 | 715 | 160 | 24,179 |
| 2017 [c] | 1,729 | 1,478 | 85 | 80 | 22,436 | 1,918 | 446 | 278 | 25,158 |
| Recent 10-year Average | | | | | | | | | |
| 2007–2016 | 2,007 | 1,761 | 88 | 149 | 23,824 | 3,462 | 1,154 | 219 | 28,807 |
| species composition by percent | | | | 1% | 83% | 12% | 4% | 1% | 100% |
| Averages [b] – Previous Decades | | | | | | | | | |
| 1990–1999 | 1,905 | 1,742 | 91 | 263 | 22,590 | 6,756 | 1,622 | 480 | 31,448 |
| 1980–1988 | 1,259 | 1,076 | 85 | 119 | 14,481 | 6,038 | 2,450 | 707 | 23,677 |
| 1970–1979 | 973 | 618 | 64 | 81 | 8,808 | 3,770 | 3,024 | 453 | 16,053 |
| Average [b] – Overall | | | | | | | | | |
| 1978–2016 | 1,781 | 1,562 | 80 | 215 | 21,706 | 5,496 | 1,756 | 450 | 29,623 |

*Source:* 1981 and 1986 to 2018 data is from the ADF&G subsistence permit database. Data from all other years is from Area Management Reports (AMRs). In some cases, AMRs may show slightly higher harvests than the permit database, likely due to late permits that may not have been entered into the system. The harvest information is only from those permits that were returned, so it may not represent the total KMA subsistence salmon harvest.

[a] Permits were mailed to all previous applicants, totaling approximately 2,800. Many were returned as undeliverable. Those names were removed from subsequent mailing lists. Accurate counts of the number of permits issued were not kept.

[b] In 1989 harvest patterns were unusual due to the M/V *Exxon Valdez* oil spill. 1989 data is not included in averages. There was also an Exxon-sponsored subsistence fishery in Karluk Lagoon, and those harvests are not included. Harvest totaled an additional 1 Chinook, 13,329 sockeye, 523 coho, 47 pink, and 19 chum salmon.

[c] In 1994, the salmon and shellfish subsistence permitting programs were merged. Since then, the total number of permits includes permits mailed to all previous permit holders and permits issued by ADF&G staff in the City of Kodiak and Kodiak Island villages.

Table 14.–Retention of salmon taken in commercial salmon fisheries but not sold, by species, for the Kodiak Management Area, 1997–2018.

| | | | Number of Salmon [a] | | | | | |
|---|---|---|---|---|---|---|---|---|
| Year | Permits | Landings | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1997 | 10 | 10 | 7 | 678 | 91 | 6 | 2 | 784 |
| 1998 | 4 | 5 | 8 | 26 | 9 | 0 | 0 | 43 |
| 1999 [b] | | | | | | | | |
| 2000 [b] | | | | | | | | |
| 2001 | 9 | 14 | 16 | 465 | 1,215 | 0 | 33 | 1,729 |
| 2002 | 33 | 56 | 57 | 5,447 | 7,542 | 566 | 0 | 13,612 |
| 2003 [c] | 36 | 87 | 72 | 11,025 | 12,310 | 1,492 | 86 | 24,985 |
| 2004 | 13 | 39 | 8 | 3,052 | 290 | 253 | 10 | 3,613 |
| 2005 | 16 | 37 | 54 | 4,432 | 811 | 4,385 | 11 | 9,693 |
| 2006 | 31 | 52 | 100 | 1,442 | 2,786 | 1,140 | 128 | 5,596 |
| 2007 | 13 | 25 | 26 | 1,577 | 520 | 2,246 | 8 | 4,377 |
| 2008 | 19 | 40 | 76 | 2,513 | 681 | 0 | 0 | 3,270 |
| 2009 | 23 | 38 | 49 | 1,393 | 936 | 1,002 | 6 | 3,386 |
| 2010 | 42 | 75 | 160 | 2,330 | 2,976 | 6,267 | 15 | 11,748 |
| 2011 | 57 | 117 | 161 | 1,314 | 2,009 | 6,390 | 67 | 9,941 |
| 2012 | 57 | 137 | 195 | 4,116 | 1,971 | 1,413 | 31 | 7,726 |
| 2013 | 64 | 152 | 592 | 3,032 | 1,164 | 5,721 | 1,067 | 11,576 |
| 2014 | 77 | 159 | 189 | 3,371 | 2,230 | 3,035 | 18 | 8,843 |
| 2015 | 70 | 155 | 293 | 3,231 | 1,551 | 4,008 | 740 | 9,823 |
| 2016 | 63 | 133 | 239 | 3,270 | 1,175 | 571 | 172 | 5,427 |
| 2017 | 71 | 180 | 313 | 3,928 | 4,125 | 4,902 | 100 | 13,368 |
| 2018 | 75 | 165 | 92 | 3,802 | 2,630 | 214 | 36 | 6,774 |
| 10-year Average | | | | | | | | |
| 2008–2017 | 54 | 119 | 227 | 2,850 | 1,882 | 3,331 | 222 | 8,511 |

*Source:* ADF&G fish ticket database.

[a] This is the number of salmon taken by CFEC permit holders with commercial gear during commercial fishing periods that was not sold but instead was kept for the crew's own use. Prior to 1997 this data was not recorded on ADF&G fish tickets.

[b] Confidential data.

[c] In 2003, there was concern that salmon taken as home pack were being custom-processed for later sale for consumptive use. In response, the Alaska Board of Fisheries adopted a regulation clearly stating that these fish were not to be sold or bartered (5 AAC 39.010).

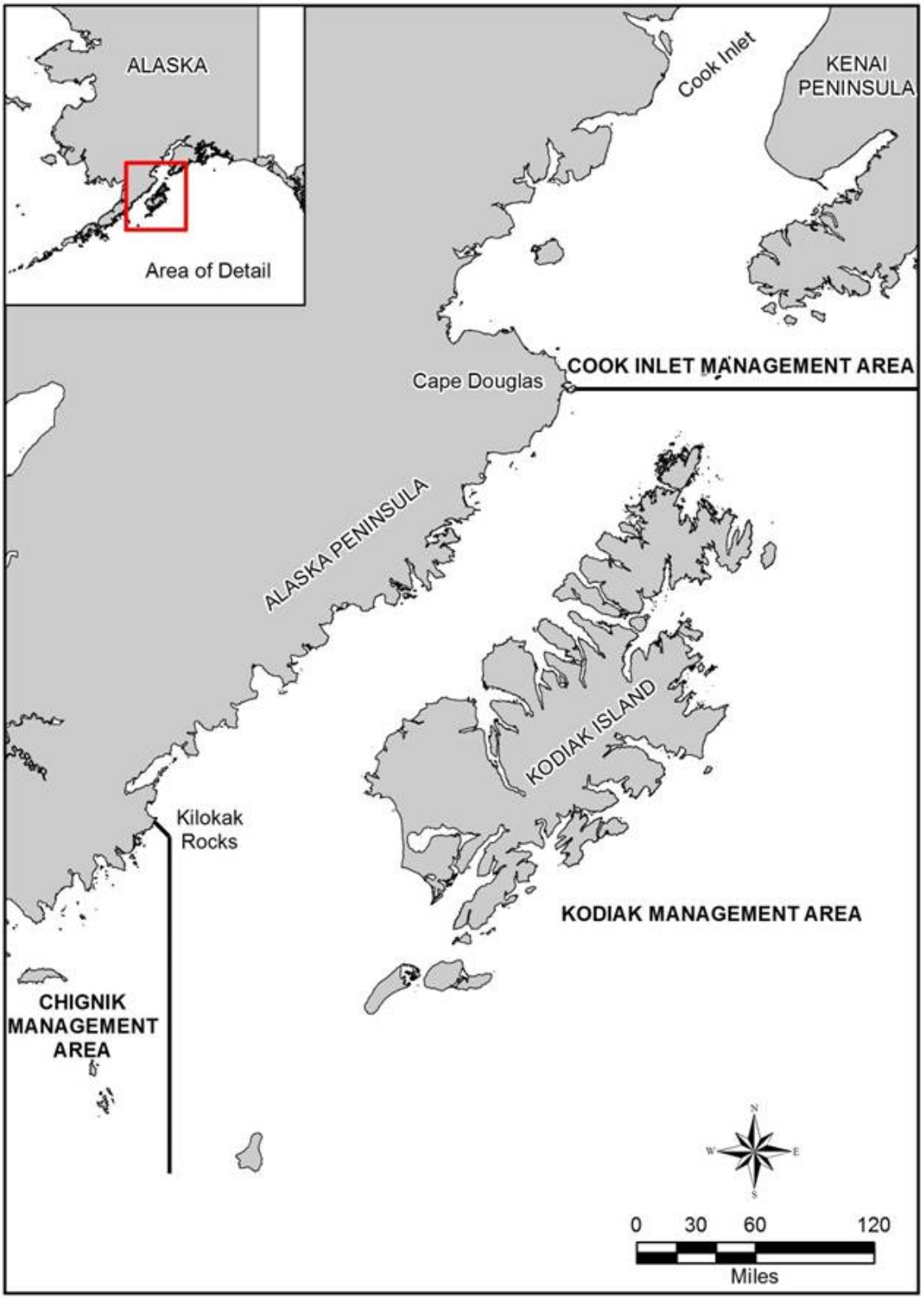



Figure 1.–Map of the Kodiak Management Area and neighboring management areas, 2018.

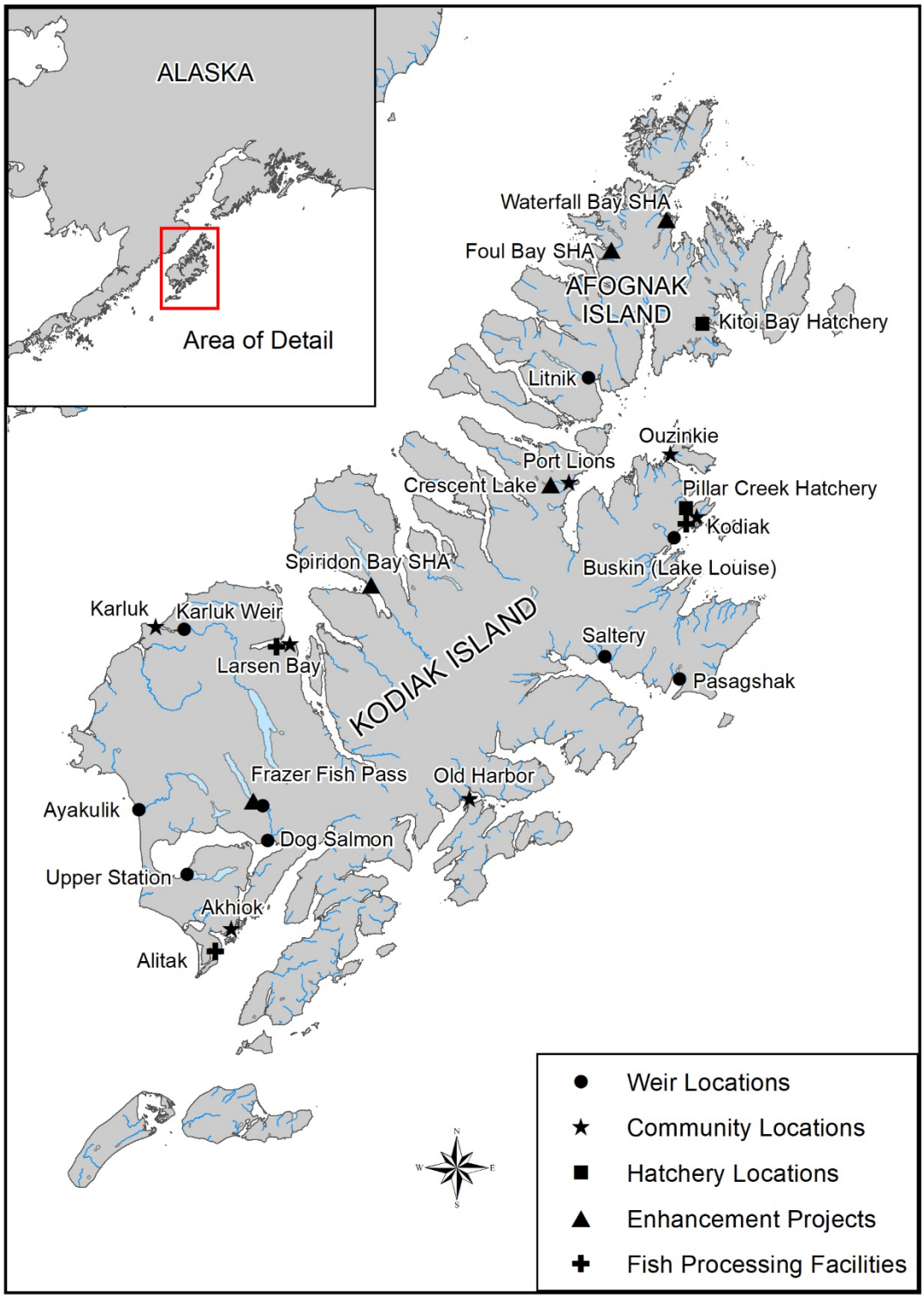



Figure 2.–Map of the Kodiak Archipelago showing communities, fish-processing facilities, sockeye salmon enhancement projects, and weir and hatchery locations in the Kodiak Management Area, 2018.

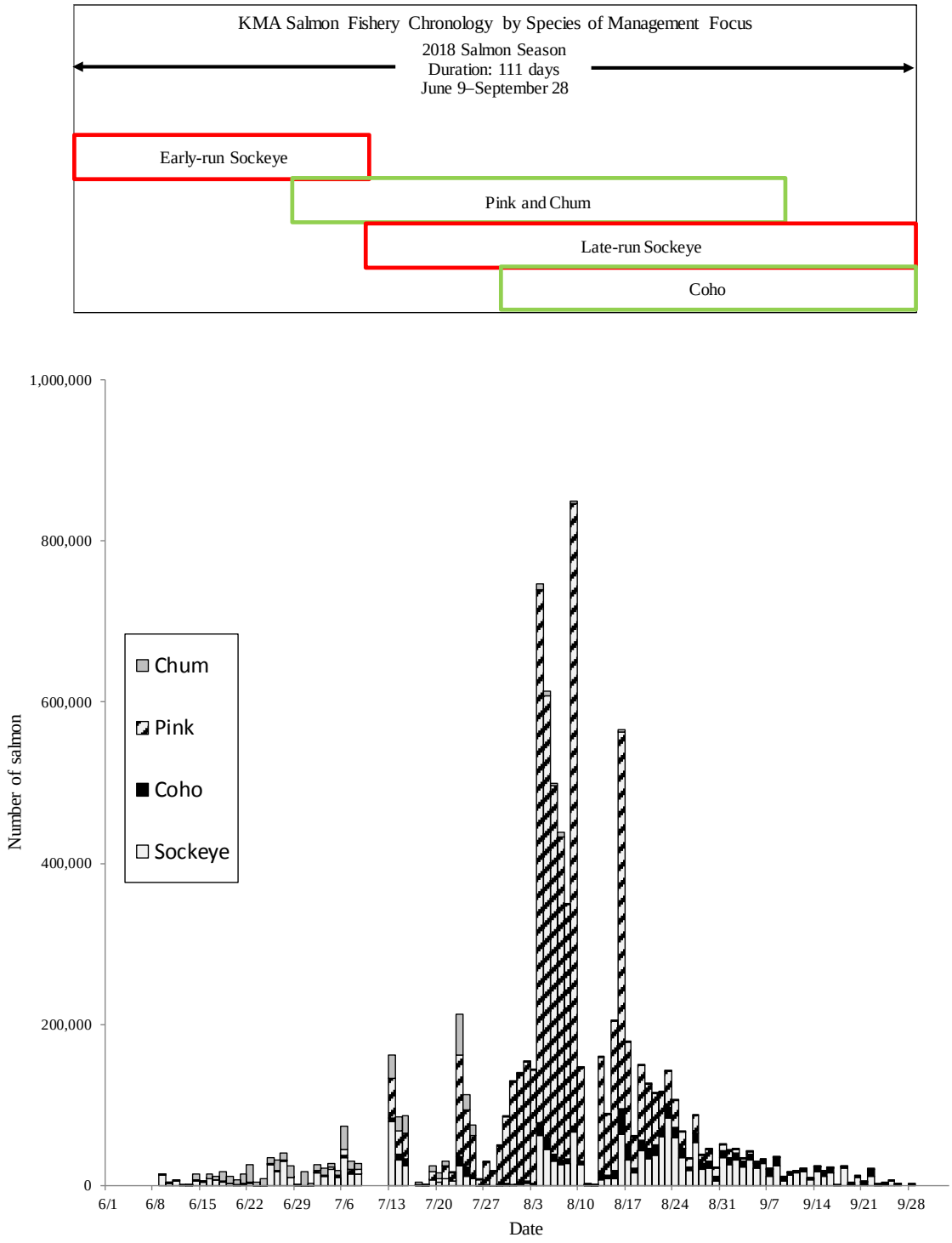
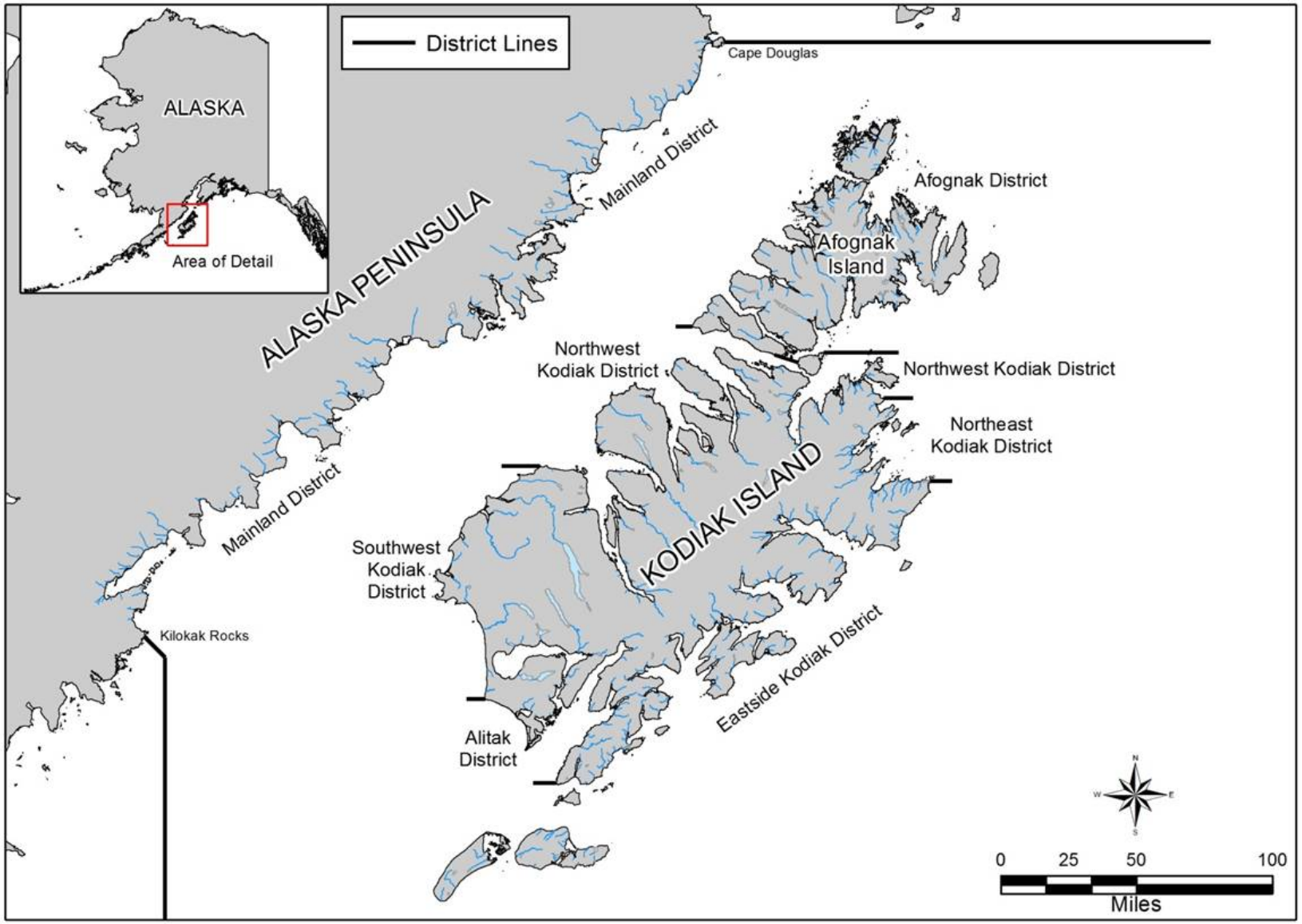


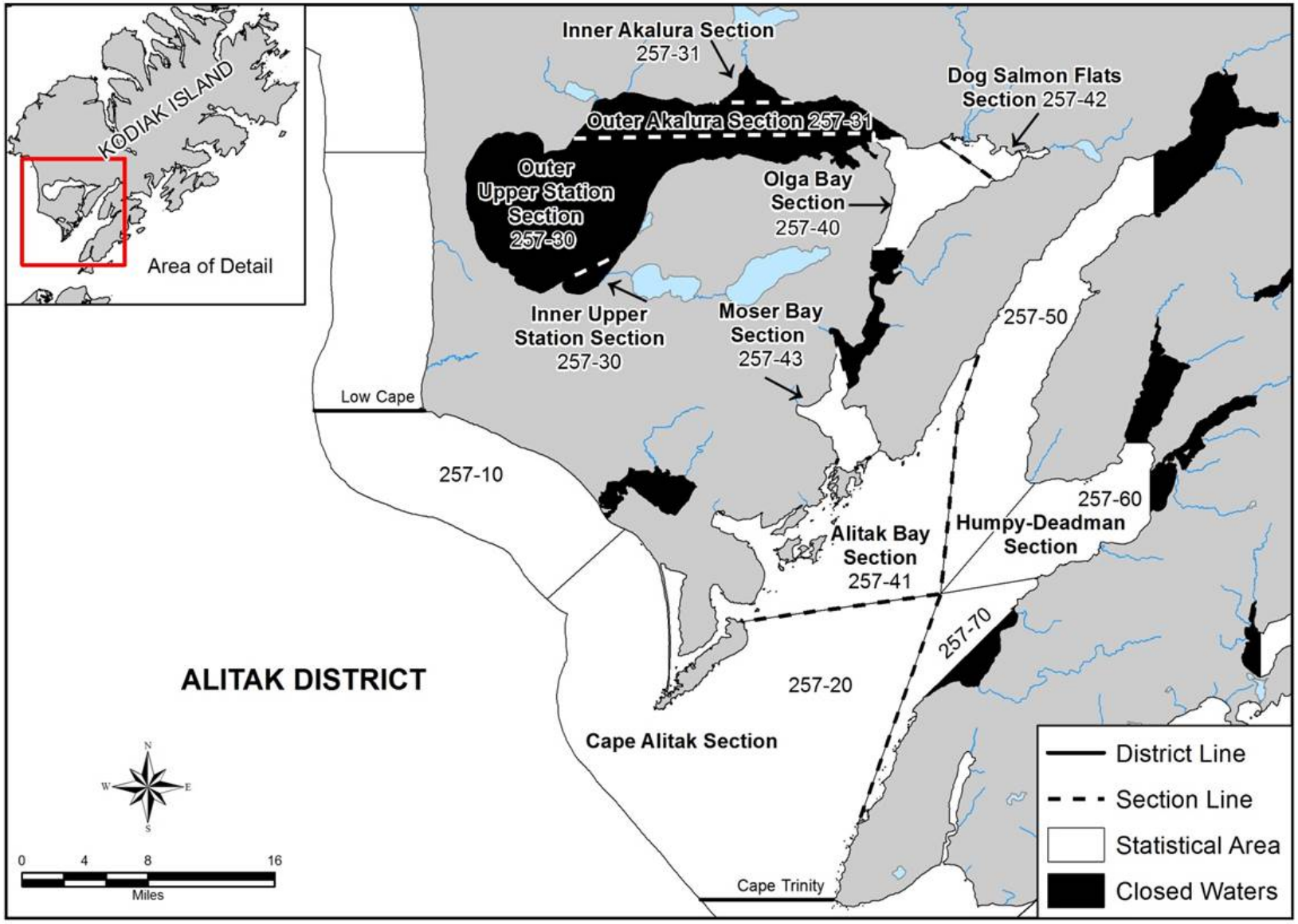

Figure 3.–Commercial salmon fishery chronology and daily harvest by date and species of management focus, Kodiak Management Area, 2018.

# APPENDIX A. MAPS OF FISHING DISTRICTS

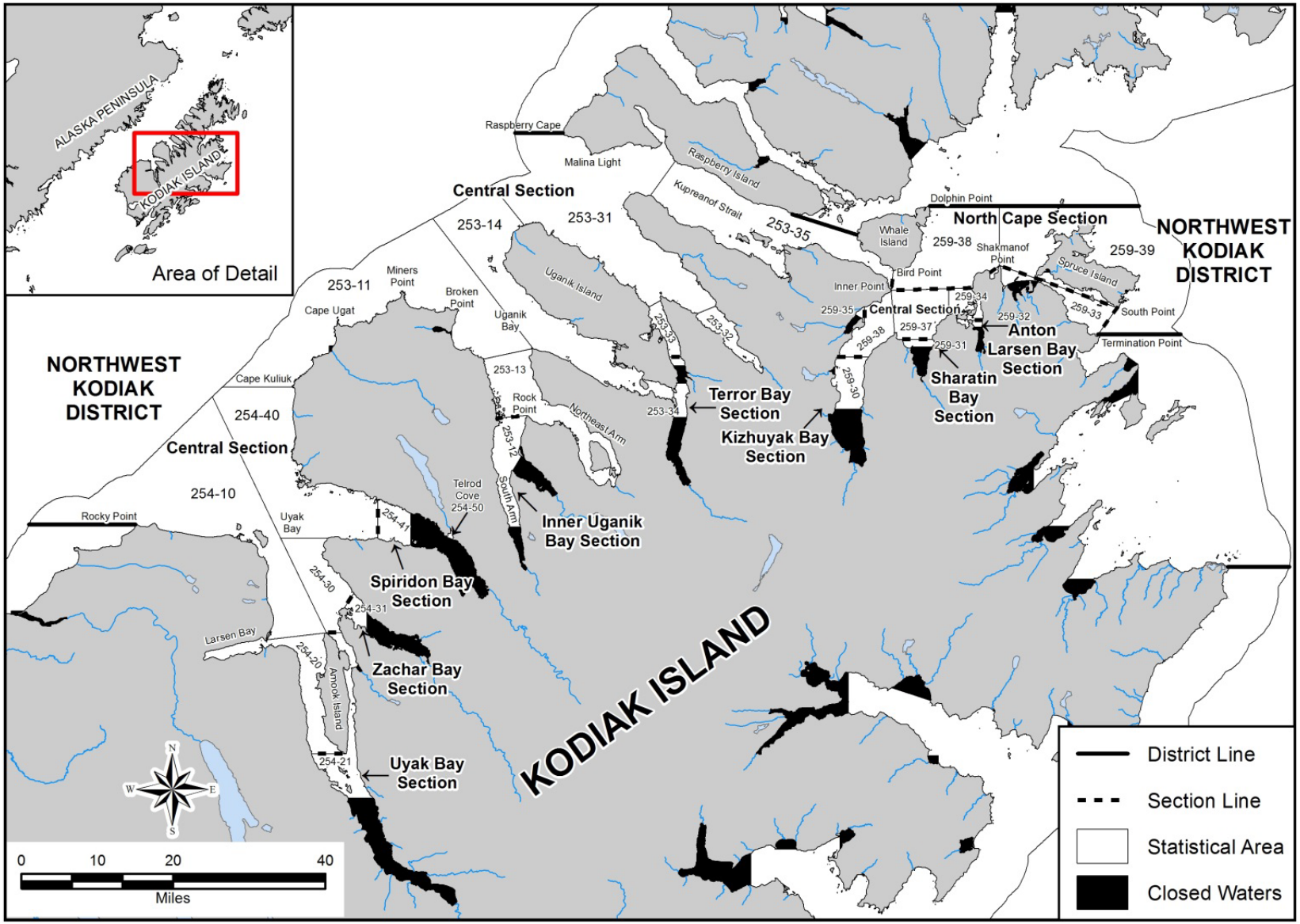
Appendix A1.–Map of the Kodiak Management Area commercial salmon fishing districts.



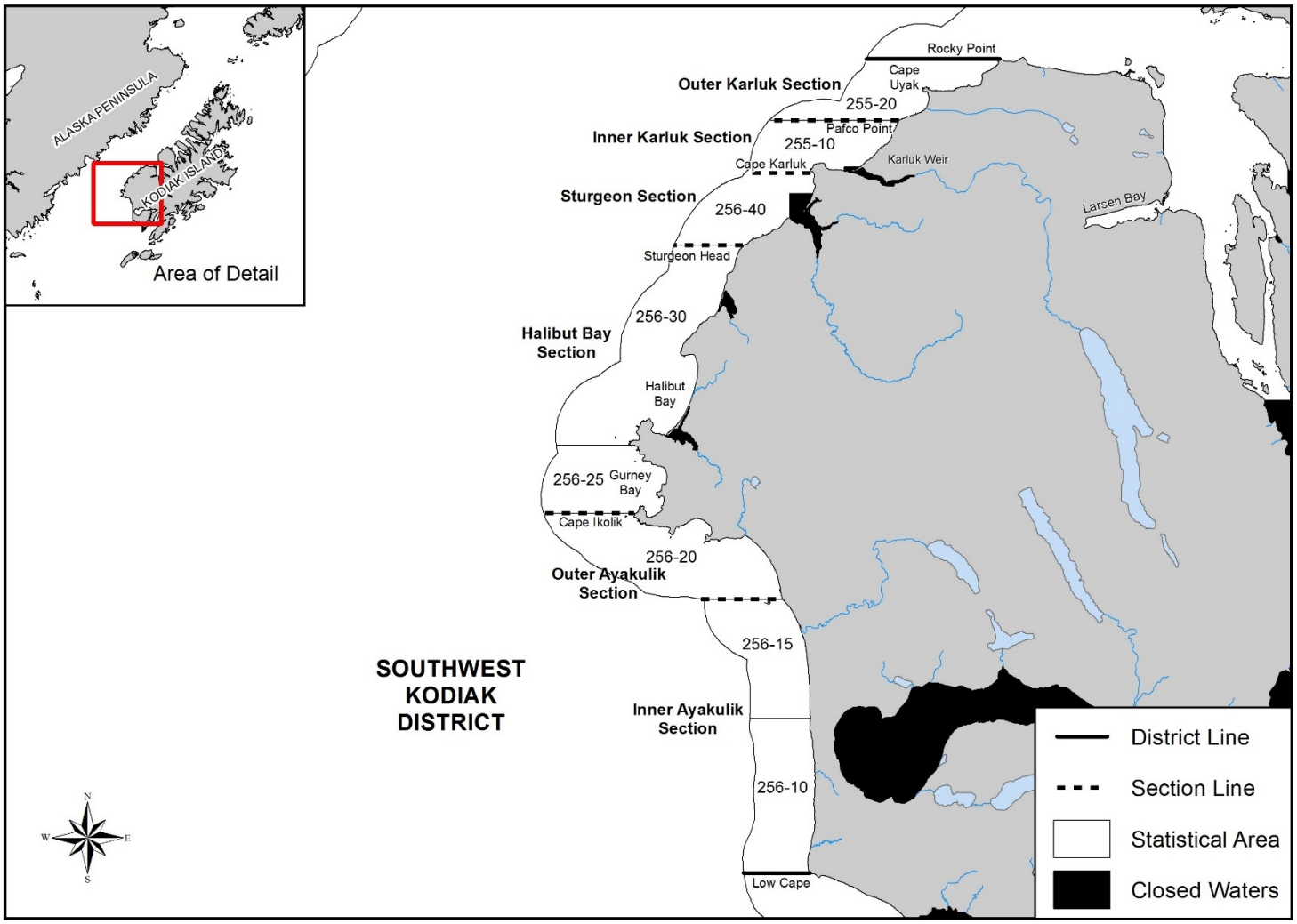
Appendix A2.–Map of the Alitak District commercial salmon fishing sections and statistical areas.



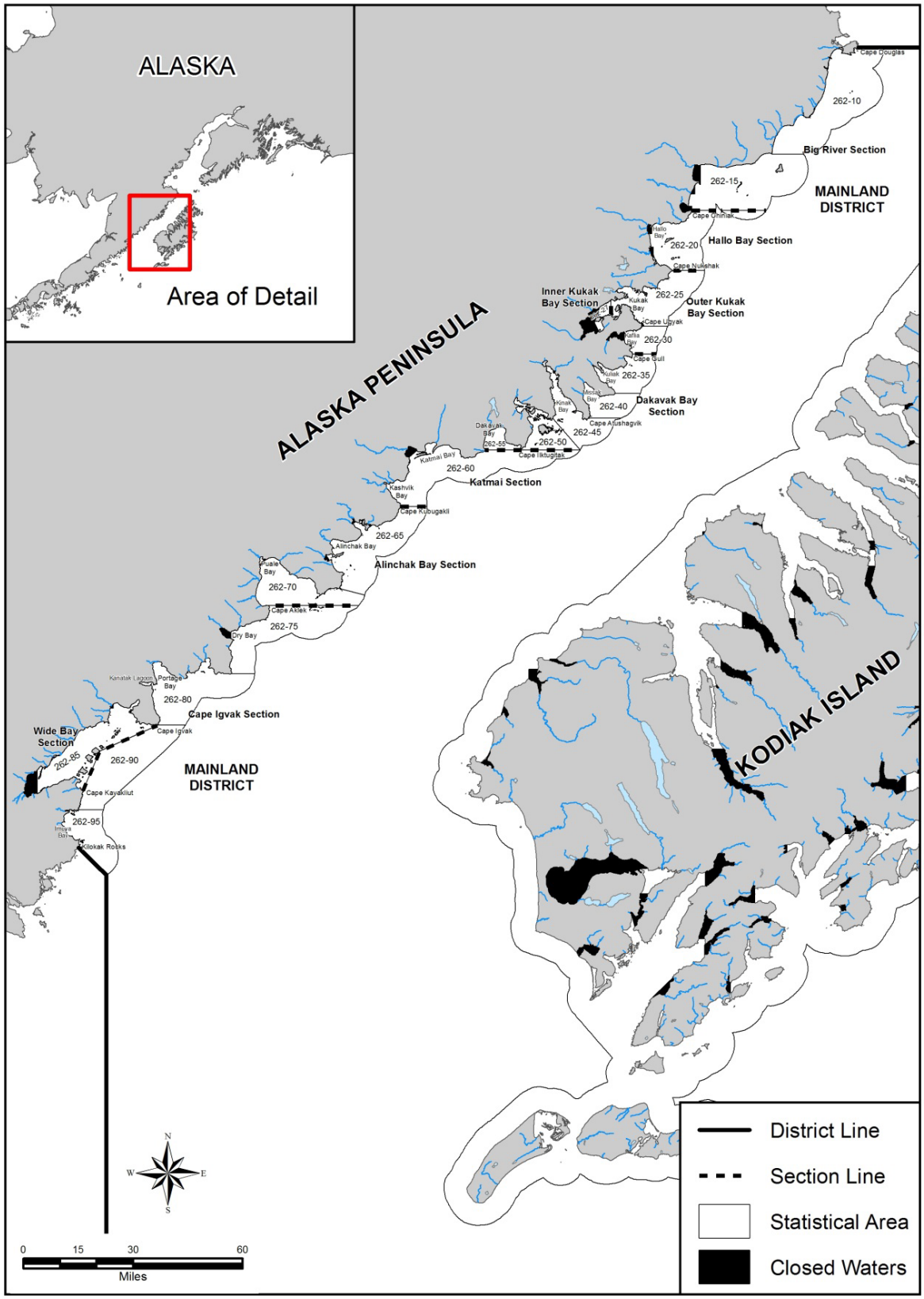
Appendix A3.–Map of the Northwest Kodiak District commercial salmon fishing sections and statistical areas.



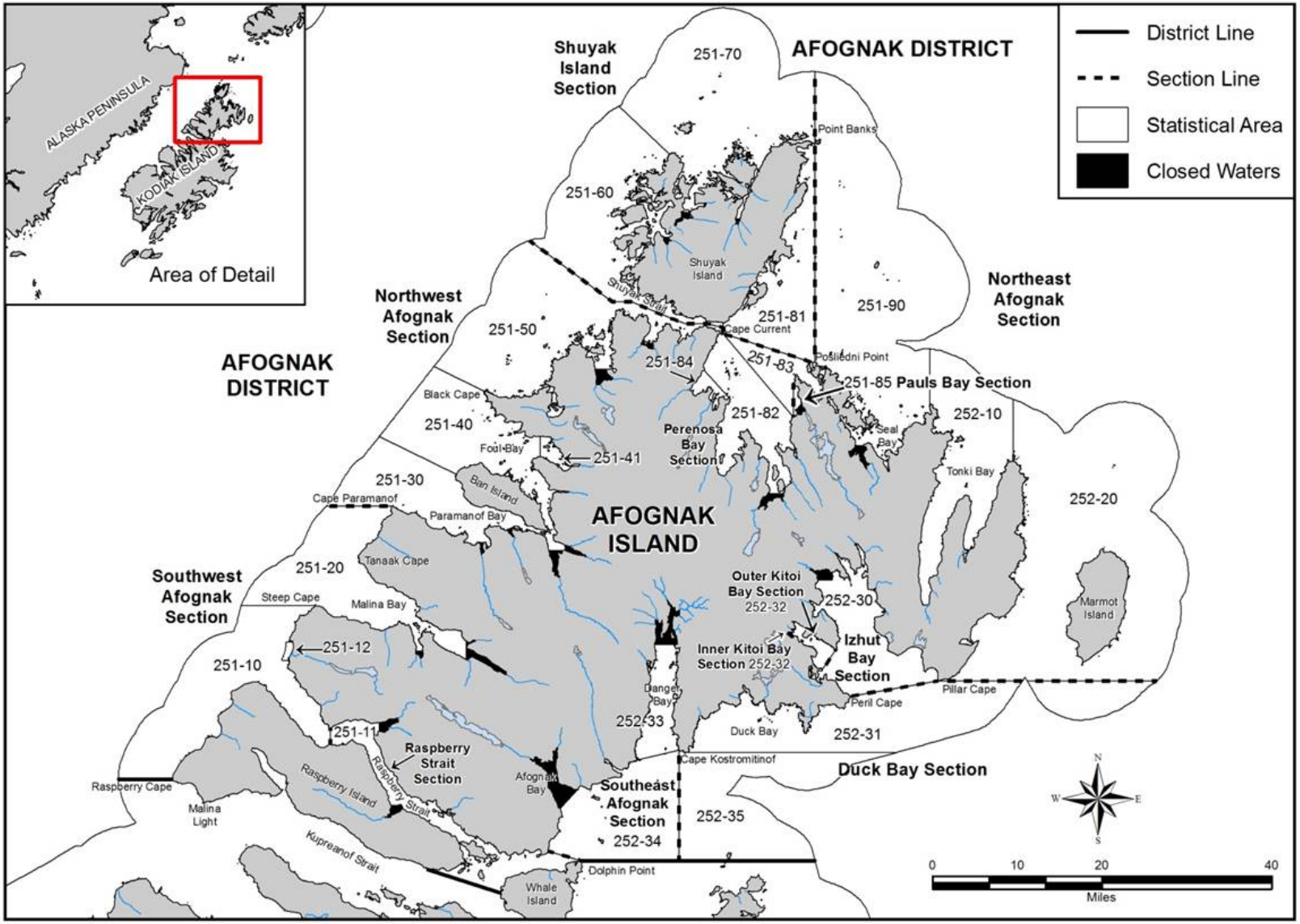
Appendix A4.–Map of the Southwest Kodiak District commercial salmon fishing sections and statistical areas.



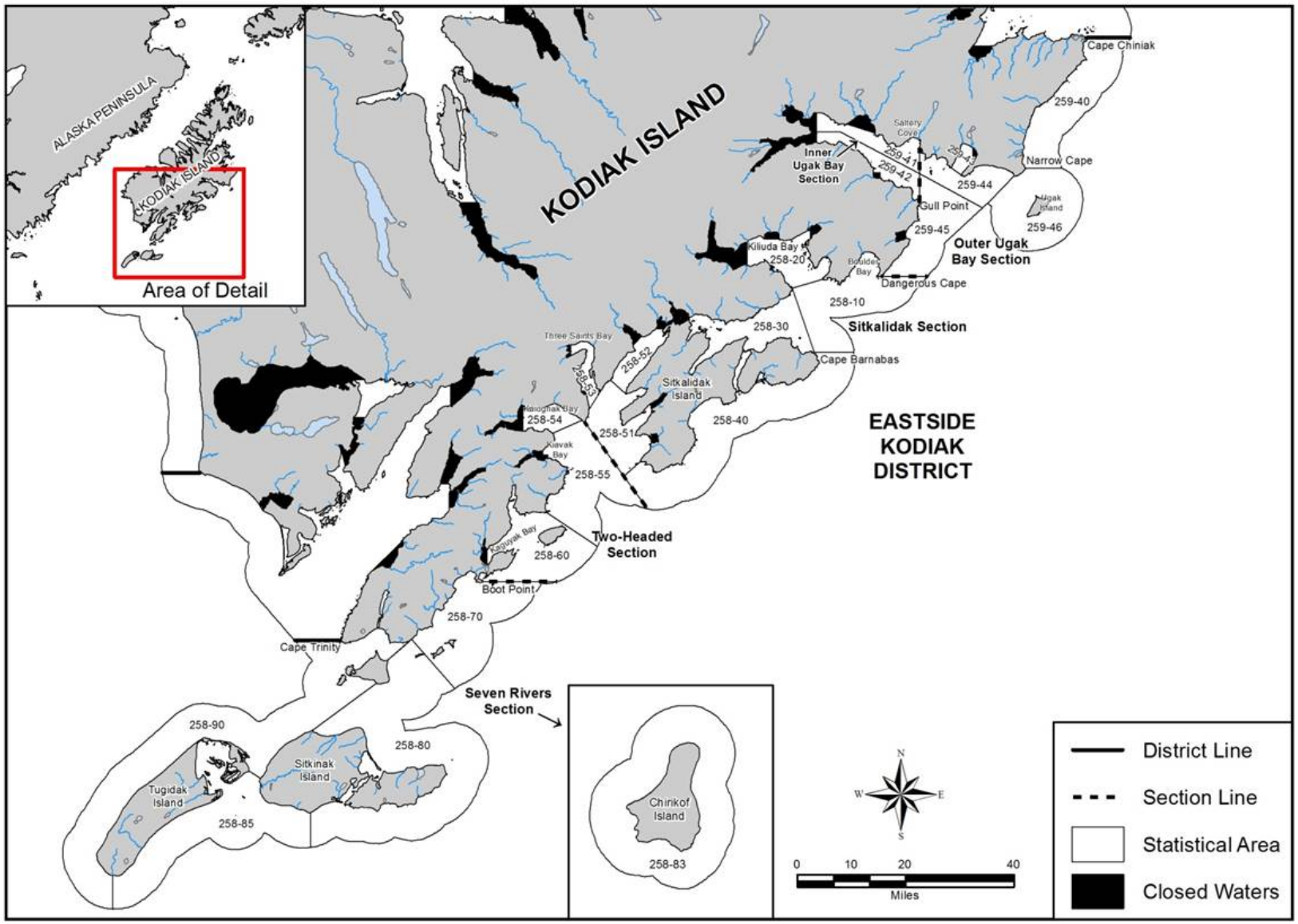
Appendix A5.–Map of the Mainland District commercial salmon fishing sections and statistical areas.



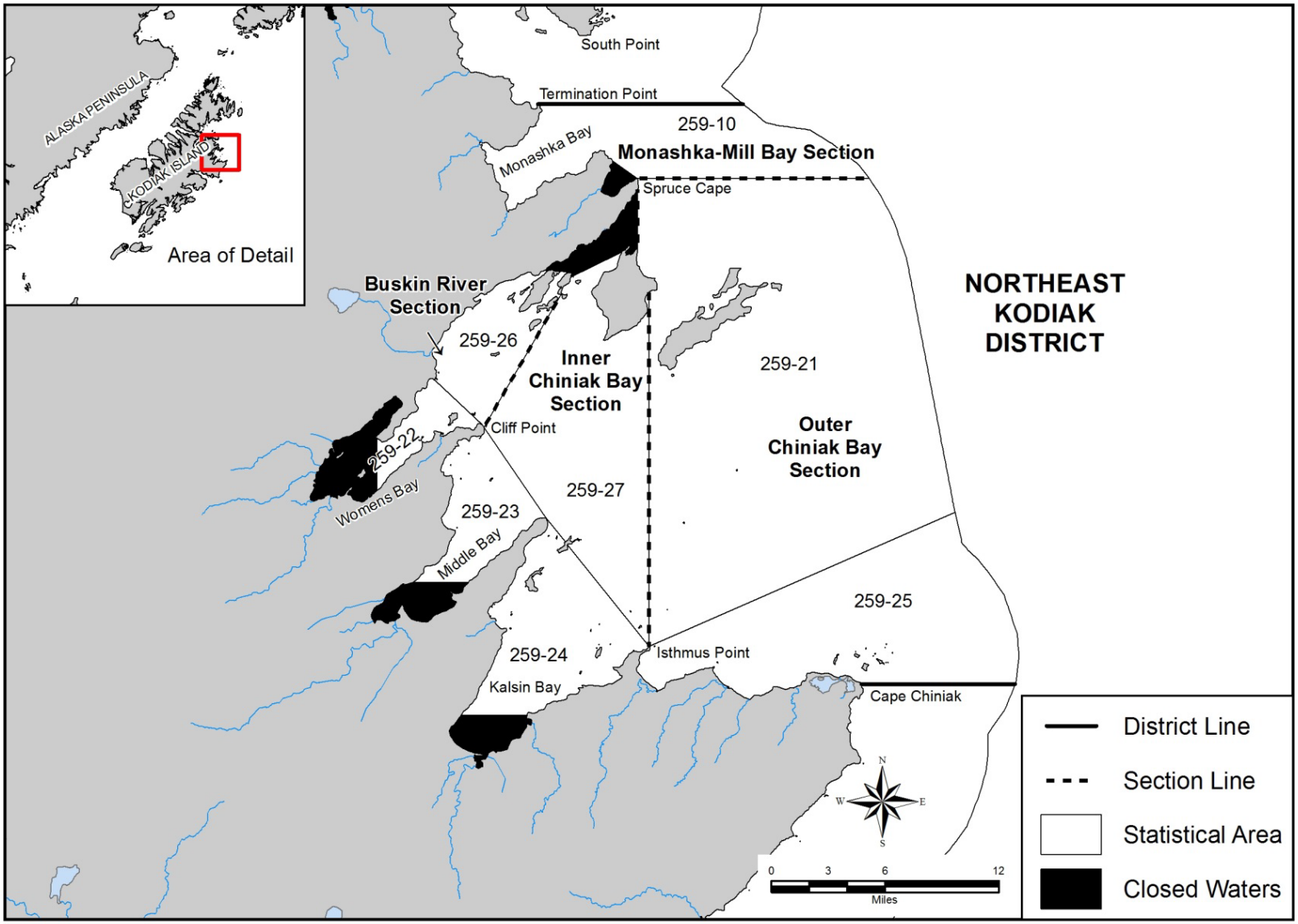
Appendix A6.–Map of the Afognak District commercial salmon fishing sections and statistical areas.



Appendix A7.–Map of the Eastside Kodiak District commercial salmon fishing sections and statistical areas.

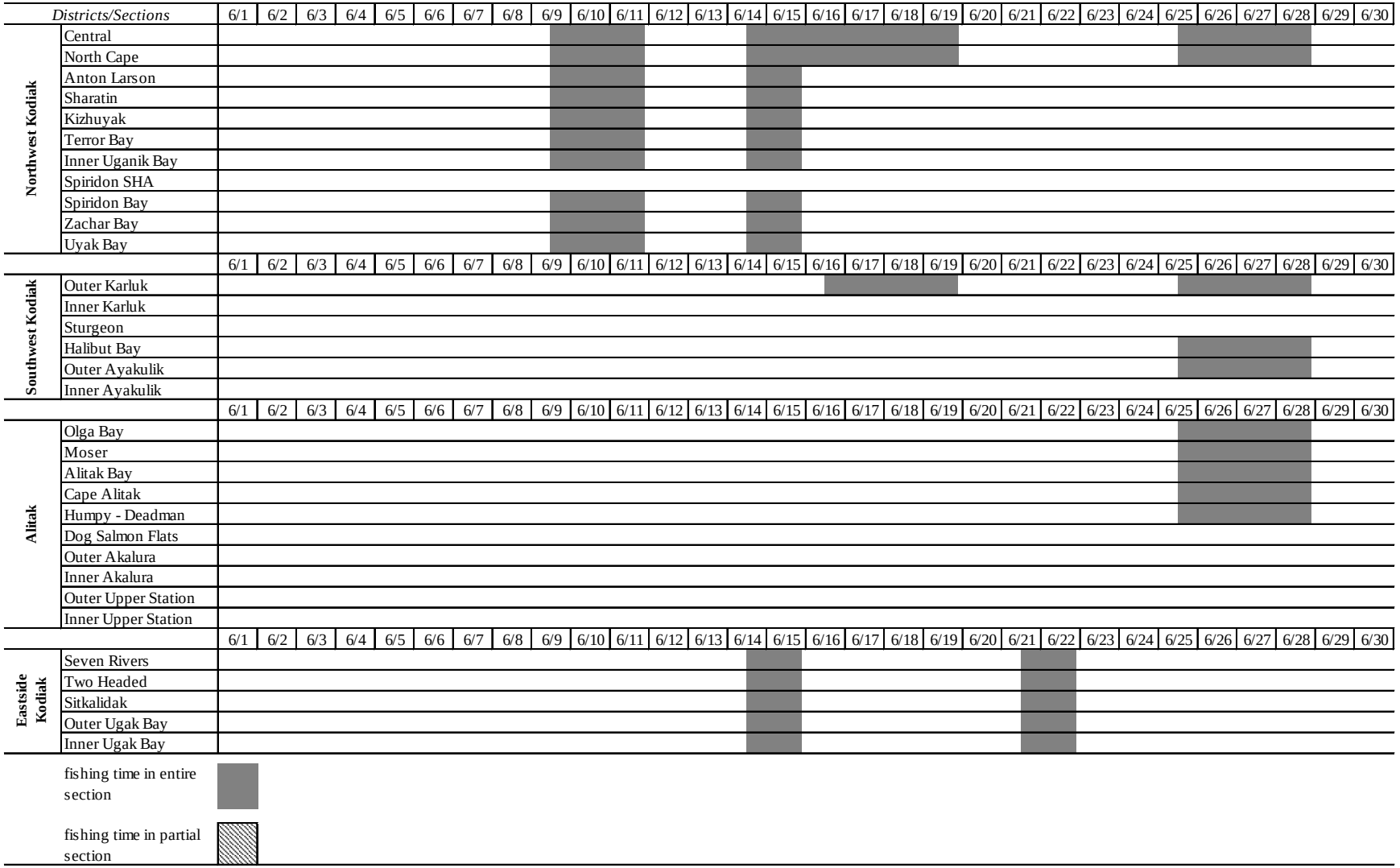


Appendix A8.–Map of the Northeast Kodiak District commercial salmon fishing sections and statistical areas.



# APPENDIX B. INSEASON MANAGEMENT ACTIONS

Appendix B1.–Commercial salmon fishing time, by district and section, in the Kodiak Management Area, 2018.

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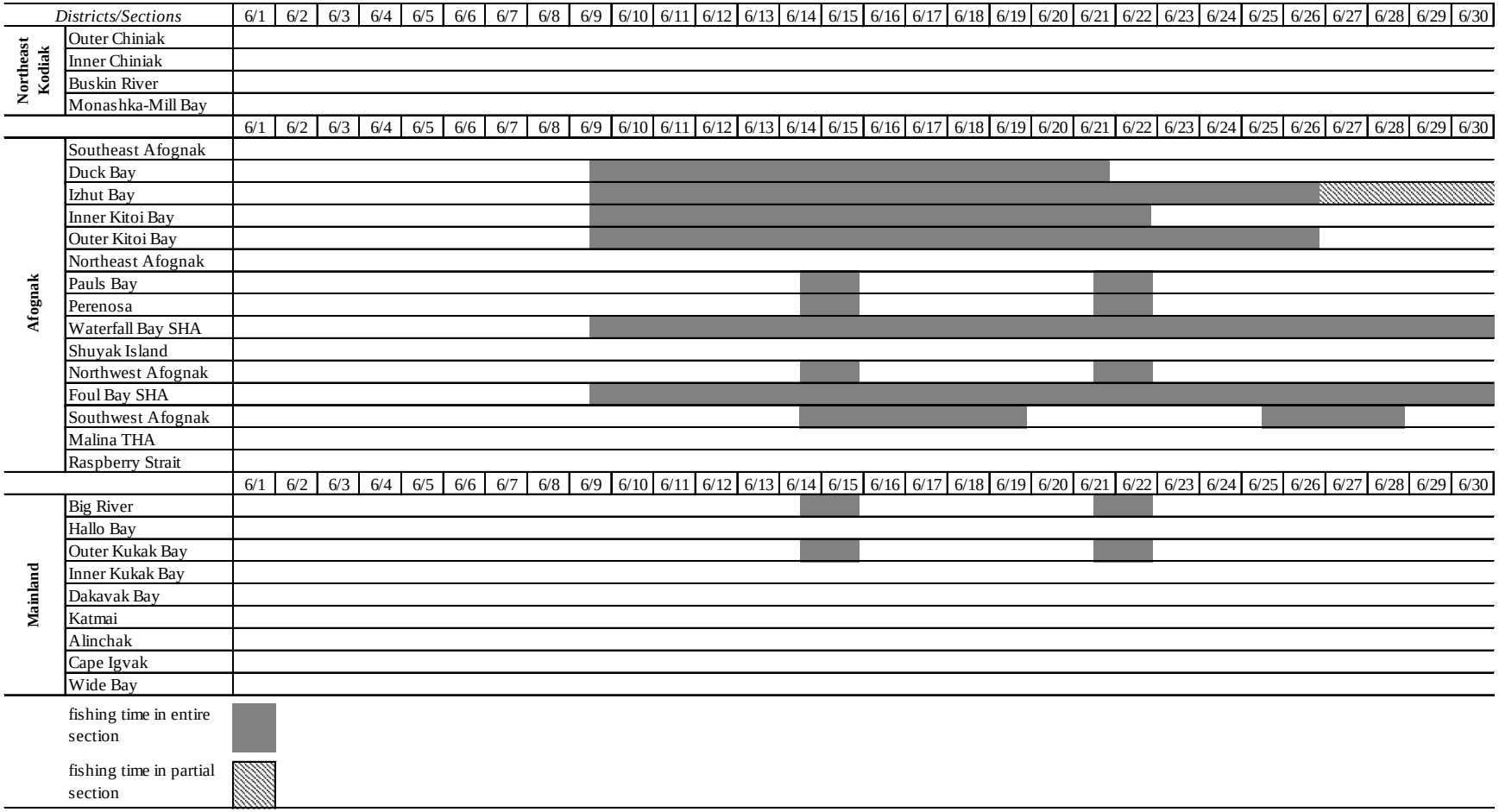
Districts/Sections
6/1 6/2 6/3 6/4 6/5 6/6 6/7 6/8 6/9 6/10 6/11 6/12 6/13 6/14 6/15 6/16 6/17 6/18 6/19 6/20 6/21 6/22 6/23 6/24 6/25 6/26 6/27 6/28 6/29 6/30
Northeast Kodiak
Outer Chiniak
Inner Chiniak
Buskin River
Monashka-Mill Bay
Afognak
Southeast Afognak
Duck Bay
Izhut Bay
Inner Kitoi Bay
Outer Kitoi Bay
Northeast Afognak
Pauls Bay
Perenosa
Waterfall Bay SHA
Shuyak Island
Northwest Afognak
Foul Bay SHA
Southwest Afognak
Malina THA
Raspberry Strait
Mainland
Big River
Hallo Bay
Outer Kukak Bay
Inner Kukak Bay
Dakavak Bay
Katmai
Alinchak
Cape Igvak
Wide Bay
fishing time in entire section
fishing time in partial section

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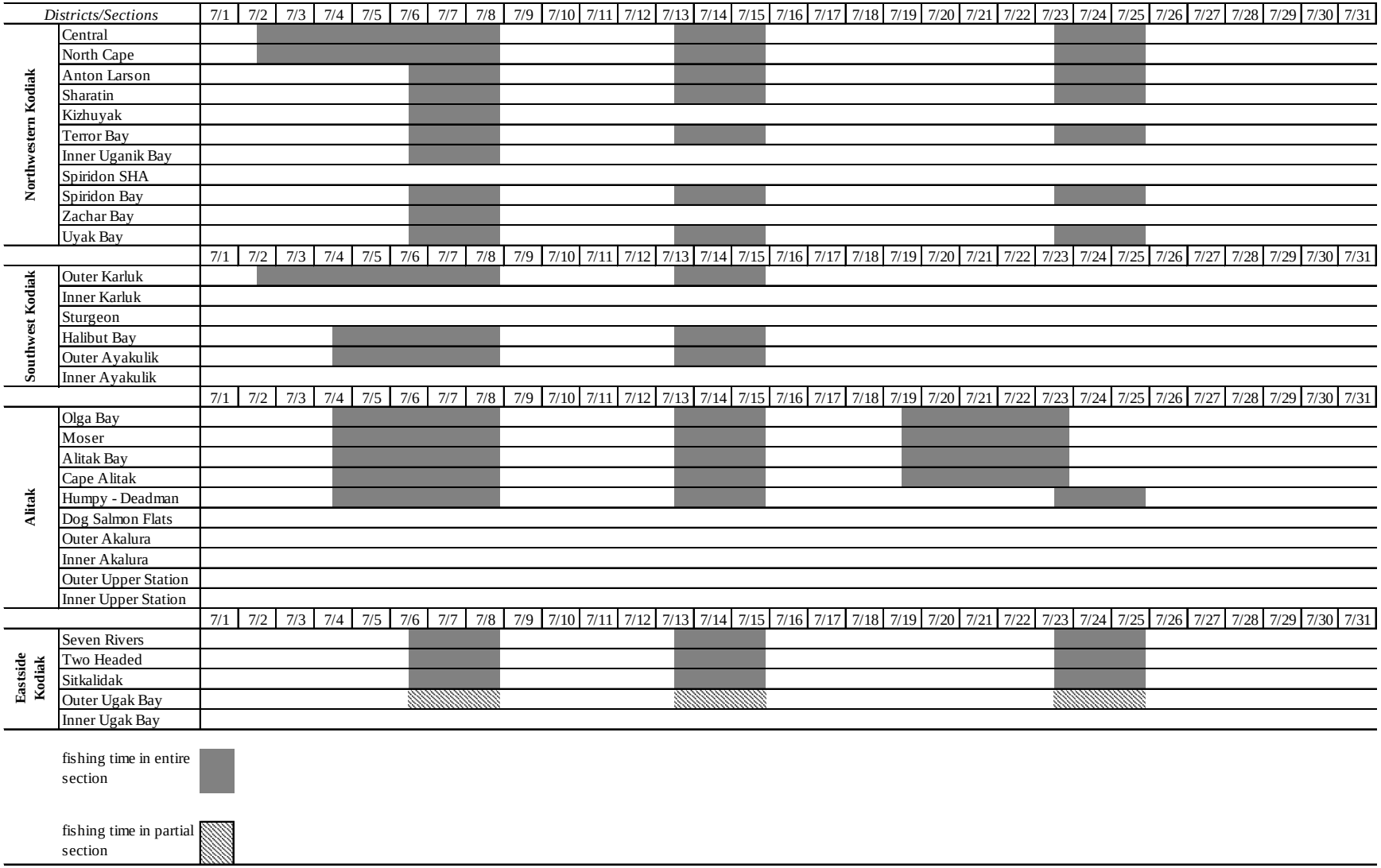
Appendix B1.–Page 3 of 8.

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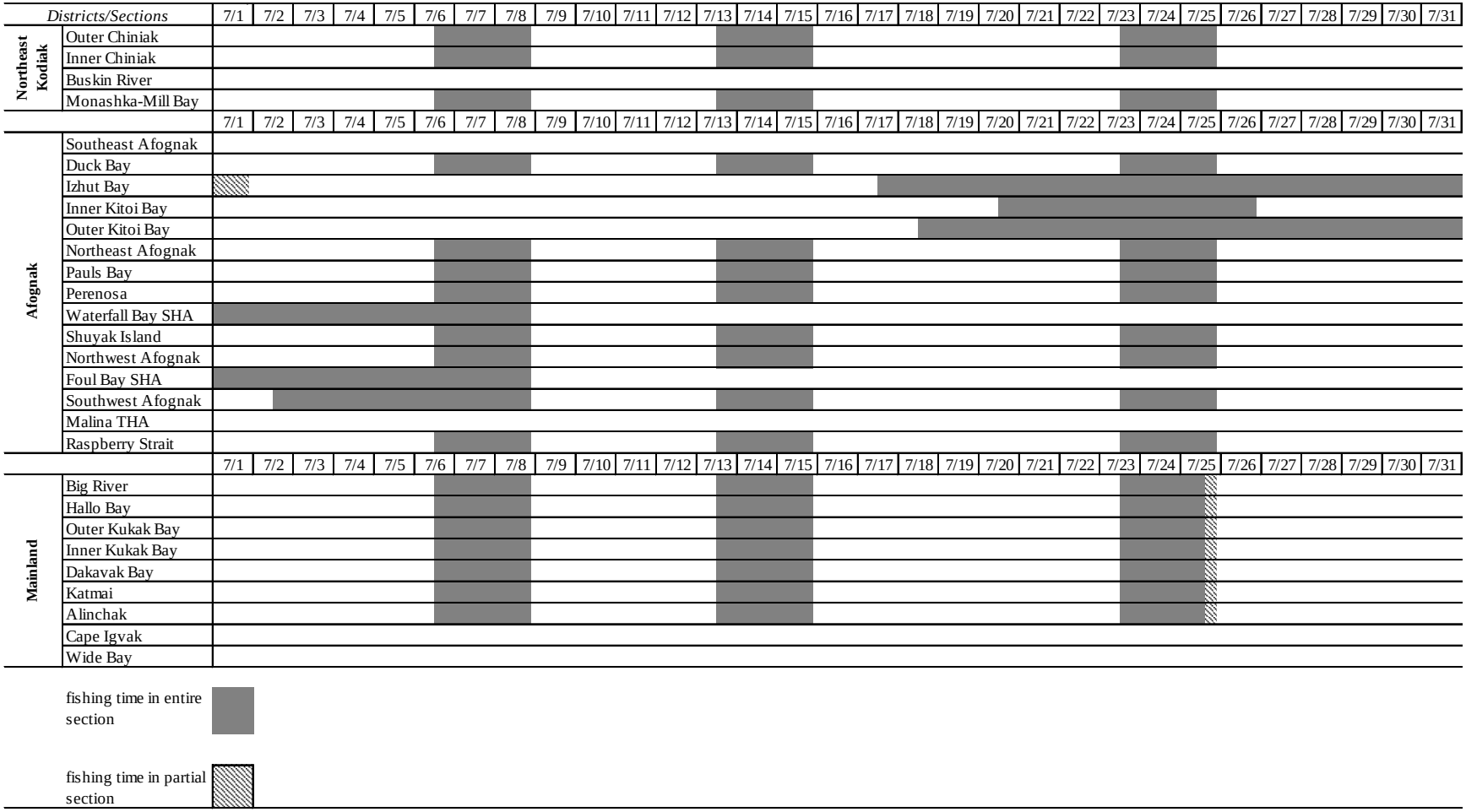
Districts/Sections
7/1 7/2 7/3 7/4 7/5 7/6 7/7 7/8 7/9 7/10 7/11 7/12 7/13 7/14 7/15 7/16 7/17 7/18 7/19 7/20 7/21 7/22 7/23 7/24 7/25 7/26 7/27 7/28 7/29 7/30 7/31
Northeast Kodiak
Outer Chiniak
Inner Chiniak
Buskin River
Monashka-Mill Bay
Afognak
Southeast Afognak
Duck Bay
Izhut Bay
Inner Kitoi Bay
Outer Kitoi Bay
Northeast Afognak
Pauls Bay
Perenosa
Waterfall Bay SHA
Shuyak Island
Northwest Afognak
Foul Bay SHA
Southwest Afognak
Malina THA
Raspberry Strait
Mainland
Big River
Hallo Bay
Outer Kukak Bay
Inner Kukak Bay
Dakavak Bay
Katmai
Alinchak
Cape Igvak
Wide Bay
fishing time in entire section
fishing time in partial section

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Appendix B1.–Page 5 of 8.


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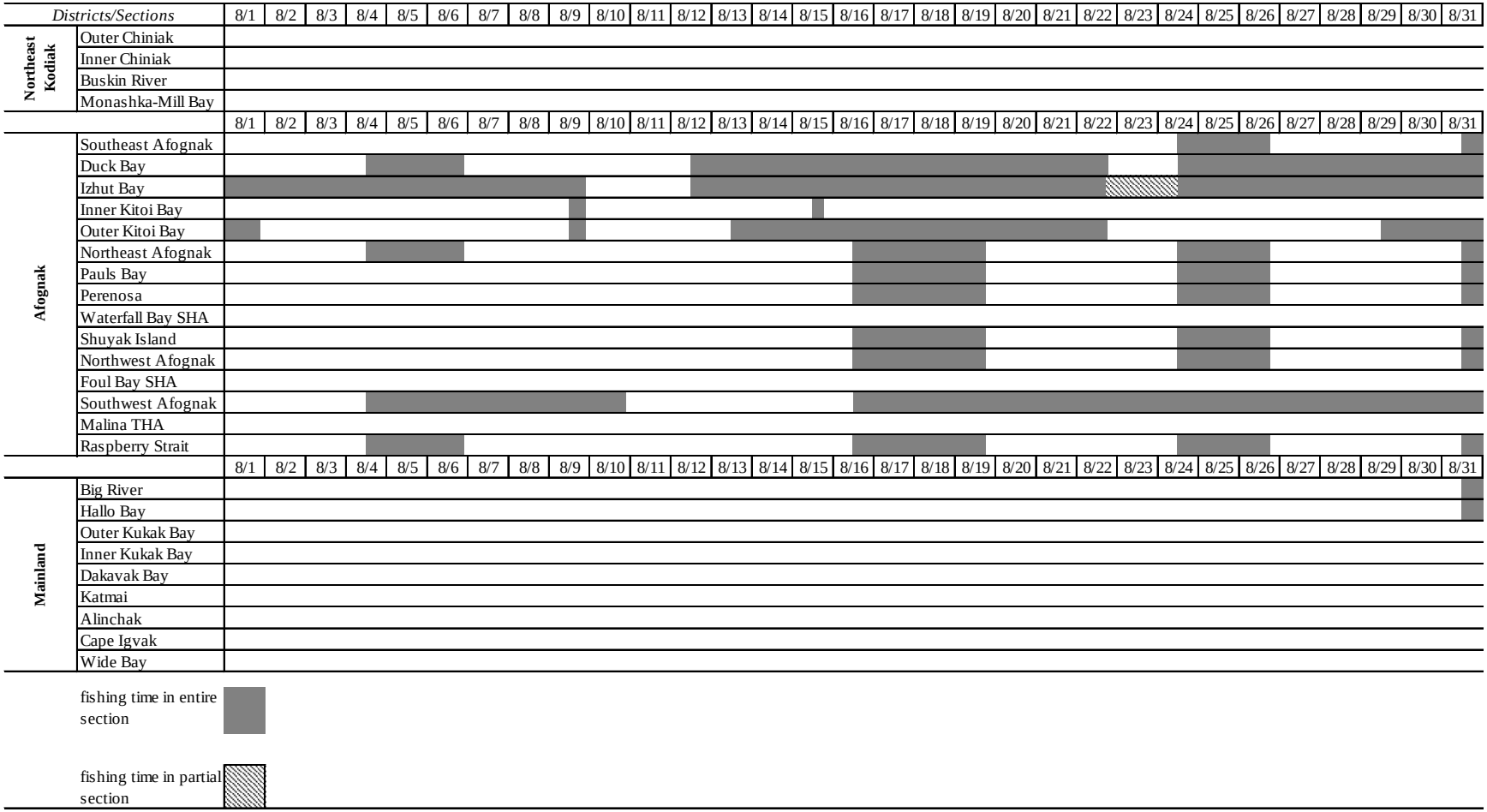
Districts/Sections
8/1 8/2 8/3 8/4 8/5 8/6 8/7 8/8 8/9 8/10 8/11 8/12 8/13 8/14 8/15 8/16 8/17 8/18 8/19 8/20 8/21 8/22 8/23 8/24 8/25 8/26 8/27 8/28 8/29 8/30 8/31
Northeast Kodiak
Outer Chiniak
Inner Chiniak
Buskin River
Monashka-Mill Bay
Afognak
Southeast Afognak
Duck Bay
Izhut Bay
Inner Kitoi Bay
Outer Kitoi Bay
Northeast Afognak
Pauls Bay
Perenosa
Waterfall Bay SHA
Shuyak Island
Northwest Afognak
Foul Bay SHA
Southwest Afognak
Malina THA
Raspberry Strait
Mainland
Big River
Hallo Bay
Outer Kukak Bay
Inner Kukak Bay
Dakavak Bay
Katmai
Alinchak
Cape Igvak
Wide Bay
fishing time in entire section
fishing time in partial section

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| *Districts/Sections* | | 9/1 | 9/2 | 9/3 | 9/4 | 9/5 | 9/6 | 9/7 | 9/8 | 9/9 | 9/10 | 9/11 | 9/12 | 9/13 | 9/14 | 9/15 | 9/16 | 9/17 | 9/18 | 9/19 | 9/20 | 9/21 | 9/22 | 9/23 | 9/24 | 9/25 | 9/26 | 9/27 | 9/28 | 9/29 | 9/30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Northwest Kodiak** | Central | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | North Cape | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Anton Larson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sharatin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Kizhuyak | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Terror Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Inner Uganik Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Spiridon SHA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Spiridon Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Zachar Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Uyak Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 9/1 | 9/2 | 9/3 | 9/4 | 9/5 | 9/6 | 9/7 | 9/8 | 9/9 | 9/10 | 9/11 | 9/12 | 9/13 | 9/14 | 9/15 | 9/16 | 9/17 | 9/18 | 9/19 | 9/20 | 9/21 | 9/22 | 9/23 | 9/24 | 9/25 | 9/26 | 9/27 | 9/28 | 9/29 | 9/30 |
| **Southwest Kodiak** | Outer Karluk | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Inner Karluk | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sturgeon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Halibut Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Outer Ayakulik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Inner Ayakulik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 9/1 | 9/2 | 9/3 | 9/4 | 9/5 | 9/6 | 9/7 | 9/8 | 9/9 | 9/10 | 9/11 | 9/12 | 9/13 | 9/14 | 9/15 | 9/16 | 9/17 | 9/18 | 9/19 | 9/20 | 9/21 | 9/22 | 9/23 | 9/24 | 9/25 | 9/26 | 9/27 | 9/28 | 9/29 | 9/30 |
| **Alitak** | Olga Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Moser | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Alitak Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Cape Alitak | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Humpy - Deadman | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dog Salmon Flats | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Outer Akalura | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Inner Akalura | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Outer Upper Station | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Inner Upper Station | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 9/1 | 9/2 | 9/3 | 9/4 | 9/5 | 9/6 | 9/7 | 9/8 | 9/9 | 9/10 | 9/11 | 9/12 | 9/13 | 9/14 | 9/15 | 9/16 | 9/17 | 9/18 | 9/19 | 9/20 | 9/21 | 9/22 | 9/23 | 9/24 | 9/25 | 9/26 | 9/27 | 9/28 | 9/29 | 9/30 |
| **Eastside Kodiak** | Seven Rivers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Two Headed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sitkalidak | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Outer Ugak Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Inner Ugak Bay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

fishing time in entire section

fishing time in partial section

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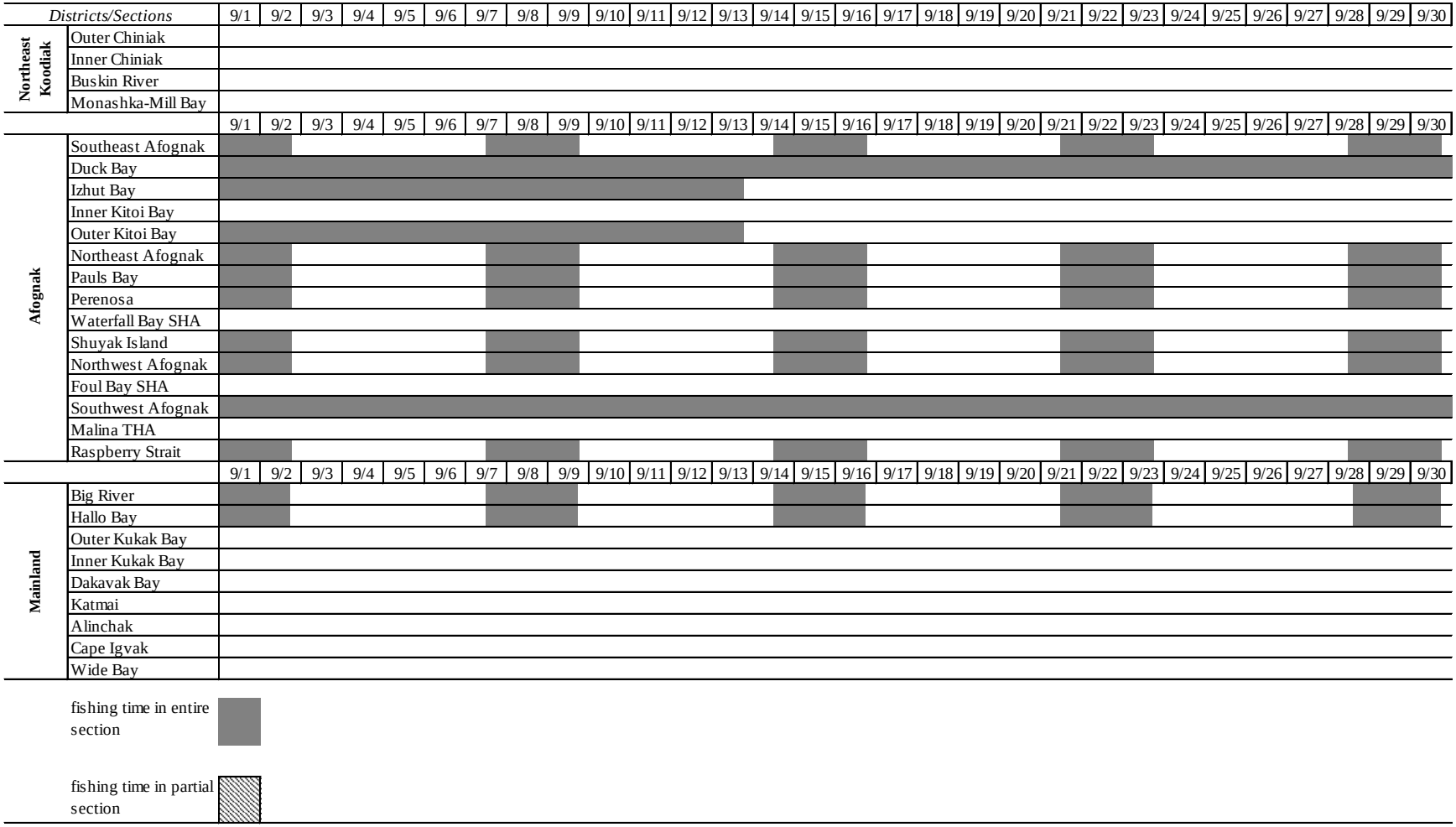
Districts/Sections
9/1 9/2 9/3 9/4 9/5 9/6 9/7 9/8 9/9 9/10 9/11 9/12 9/13 9/14 9/15 9/16 9/17 9/18 9/19 9/20 9/21 9/22 9/23 9/24 9/25 9/26 9/27 9/28 9/29 9/30
Northeast Kodiak
Outer Chiniak
Inner Chiniak
Buskin River
Monashka-Mill Bay
Afognak
Southeast Afognak
Duck Bay
Izhut Bay
Inner Kitoi Bay
Outer Kitoi Bay
Northeast Afognak
Pauls Bay
Perenosa
Waterfall Bay SHA
Shuyak Island
Northwest Afognak
Foul Bay SHA
Southwest Afognak
Malina THA
Raspberry Strait
Mainland
Big River
Hallo Bay
Outer Kukak Bay
Inner Kukak Bay
Dakavak Bay
Katmai
Alinchak
Cape Igvak
Wide Bay
fishing time in entire section
fishing time in partial section

Appendix B2.–Summary of emergency orders issued in the Kodiak Management Area, 2018.

| E.O. # | Issued | Effective | Action in Effect |
|---|---|---|---|
| 1 | 10:00 AM 6/6/18 | Noon 6/9/18 | Opening for 57 hours, until 9:00 PM 6/11:<br>• Northwest Kodiak District<br><br>Opening until further notice:<br>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay, Waterfall Bay, and Kitoi Bay<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |
| 2 | 10:30 AM 6/12/18 | Noon 6/14/18 | Opening for 57 hours, until 9:00 PM 6/16:<br>• Central and North Cape sections<br>• Southwest Afognak Section<br><br>Opening for 33 hours, until 9:00 PM 6/15:<br>• Eastside Kodiak District<br>• Northwest Afognak, Pauls Bay, and Perenosa Bay sections<br>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Big River and Outer Kukak Bay sections<br><br>Open until further notice:<br>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay, Waterfall Bay, and Kitoi Bay<br>• Reduced until 9:00 PM 6/15 at Kaflia Creek and Saltery Creek<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |
| 3 | 10:00 AM 6/15/18 | 9:00 PM 6/16/18 | Extension for 72 hours, until 9:00 PM 6/19:<br>• Central and North Cape sections<br>• Southwest Afognak Section |
| | | Noon 6/16/18 | Opening for 81 hours, until 9:00 PM 6/19:<br>• Outer Karluk Section<br><br>Open until further notice:<br>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA) |

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| E.O. # | Issued | Effective | Action in Effect |
|---|---|---|---|
| 3 (Cont.) | | | Closed water adjustments:<br>• Reduced until further notice in Foul Bay, Waterfall Bay, and Kitoi Bay<br>• Reduced until 9:00 PM 6/15 at Kaflia Creek and Saltery Creek<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |
| 4 | 10:00 AM 6/19/18 | Noon 6/21/18 | Opening for 33 hours, until 9:00 PM 6/22:<br>• Eastside Kodiak District<br>• Northwest Afognak, Pauls Bay, and Perenosa Bay sections<br>• Big River and Outer Kukak sections<br><br>Open until further notice:<br>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay, Waterfall Bay, and Kitoi Bay<br>• Reduced until 9:00 PM 6/21 at Kaflia Creek and Saltery Creek<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |
| 5 | 10:00 AM 6/20/18 | 9:00 PM 6/21/18 | Closure in the following area:<br>• Duck Bay Section<br><br>Open until further notice:<br>• Inner Kitoi Bay, Outer Kitoi Bay, and Izhut Bay sections<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay, Waterfall Bay, and Kitoi Bay<br>• Reduced until 9:00 PM 6/21 at Kaflia Creek and Saltery Creek<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |
| 6 | 10:00 AM 6/21/18 | 9:00 PM 6/21/18 | Closure in the following area:<br>• Inner Kitoi Bay Section<br><br>Open until further notice:<br>• Outer Kitoi Bay and Izhut Bay sections<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay, Waterfall Bay, and Kitoi Bay<br>• Reduced until 9:00 PM 6/21 at Kaflia Creek and Saltery Creek<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |

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| E.O. # | Issued | Effective | Action in Effect |
|---|---|---|---|
| 7 | 10:00 AM 6/24/18 | Noon 6/25/18 | Opening for 57 hours, until 9:00 PM 6/27:<br>• Outer Ayakulik, Halibut Bay, and Outer Karluk sections<br>• Central and North Cape sections<br>• Southwest Afognak Section<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Open until further notice:<br>• Outer Kitoi Bay and Izhut Bay sections<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay and Waterfall Bay<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |
| 8 | 10:00 AM 6/25/18 | 9:00 PM 6/26/18 | Closure in the following areas:<br>• Outer Kitoi Section<br>• Izhut Bay Section southern portion<br><br>Open until further notice:<br>• Izhut Bay Section northern portion<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay and Waterfall Bay<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |
| 9 | 10:00 AM 6/27/18 | 9:00 PM 6/27/18 | Extension for 24 hours, until 9:00 PM 6/28:<br>• Outer Ayakulik, Halibut Bay, and Outer Karluk sections<br>• Central and North Cape sections<br>• Southwest Afognak Section<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Open until further notice:<br>• Izhut Bay Section northern portion<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay and Waterfall Bay<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |

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| E.O. # | Issued | Effective | Action in Effect |
|---|---|---|---|
| 10 | 10:00 AM 6/28/18 | 12:01 AM 6/29/18 | Opening of Cost Recovery Fishery:<br>• Telrod Cove Special Harvest Area<br><br>Open until further notice:<br>• Izhut Bay Section northern portion<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay and Waterfall Bay<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |
| 11 | 10:00 AM 6/30/18 | 9:00 PM 7/1/18 | Closure in the following area:<br>• Izhut Bay Section northern portion |
| | | Noon 7/2/18 | Opening for 81 hours, until 9:00 PM 7/5:<br>• Outer Karluk Section<br>• Central and North Cape sections<br>• Southwest Afognak Section<br><br>Open until further notice:<br>• Izhut Bay Section northern portion<br>• Foul Bay Special Harvest Area (FBSHA)<br>• Waterfall Bay Special Harvest Area (WBSHA)<br><br>Closed water adjustments:<br>• Reduced until further notice in Foul Bay and Waterfall Bay<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |
| 12 | 10:00 AM 7/3/18 | Noon 7/4/18 | Opening for 57 hours, until 9:00 PM 7/6:<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br>• Outer Ayakulik and Halibut Bay sections |
| | | 9:00 PM 7/5/18 | Extension for 72 hours, until 9:00 PM 7/8:<br>• Outer Karluk Section<br>• Central and North Cape sections<br>• Southwest Afognak Section |
| | | Noon 7/6/18 | Opening for 57 hours, until 9:00 PM 7/8:<br>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, Northwest Afognak, and Duck Bay sections<br>• Mainland District (except Wide Bay and Cape Igvak sections remain closed)<br>• Eastside Kodiak District (except Pasagshak Bay remains closed)<br>• Northeast Kodiak District (except Buskin Bay Section remains closed) |

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| E.O. # | Issued | Effective | Action in Effect |
|---|---|---|---|
| 12 (cont.) | | 9:00 PM 7/8/18 | Closure in the following areas:<br>• Foul Bay Special Harvest Area<br>• Waterfall Bay Special Harvest Area<br><br>Closed water adjustments:<br>• Reduced until 9:00 PM 7/8 in Foul Bay and Waterfall Bay<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 13 | 2:00 PM 7/5/18 | 9:00 PM 7/6/18 | Extension for 48 hours, until 9:00 PM 7/8:<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br>• Outer Ayakulik and Halibut Bay sections<br><br>Closed water adjustments:<br>• Reduced until 9:00 PM 7/8 in Foul Bay and Waterfall Bay<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 14 | 4:30 PM 7/11/18 | Noon 7/13/18 | Opening for 57 hours, until 9:00 PM 7/15:<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br>• Outer Ayakulik, Halibut Bay, and Outer Karluk sections<br>• Central, North Cape, Uyak Bay, Spiridon Bay, Terror Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, Northeast Afognak, and Duck Bay sections<br>• Mainland District (except Wide Bay and Cape Igvak sections remain closed)<br>• Eastside Kodiak District (except Pasagshak Bay remains closed)<br>• Northeast Kodiak District (except Buskin River Section remains closed)<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 15 | 10:00 AM 7/16/18 | Noon 7/17/18 | Opening until further notice:<br>• Izhut Bay Section<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice |

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| E.O. # | Issued | Effective | Action in Effect |
|---|---|---|---|
| 16 | 10:00 AM 7/17/18 | Noon 7/18/18 | Opening until further notice:<br>• Outer Kitoi Bay Section<br><br>Open until further notice:<br>• Izhut Bay Section<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 17 | 10:00 AM 7/18/18 | Noon 7/19/18 | Opening for 57 hours, until 9:00 PM 7/21:<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections |
| | | Noon 7/23/18 | Opening for 57 hours, until 9:00 PM 7/25:<br>• Humpy-Deadman Section<br>• Central, North Cape, Uyak Bay, Spiridon Bay, Terror Bay, Sharatin Bay, and Anton Larsen Bay sections (except the Kizhuyak Bay, Inner Uganik Bay, and Zachar Bay sections remain closed)<br>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, Northeast Afognak, and Duck Bay sections<br>• Mainland District (except the Wide Bay and Cape Igvak sections remain closed)<br>• Eastside Kodiak District (except Inner Ugak Bay Section and Pasagshak Bay remain closed)<br>• Northeast Kodiak District (except the Buskin River section remains closed)<br><br>Open until further notice:<br>• Izhut Bay Section<br>• Outer Kitoi Bay Section (opening at noon 7/18/18)<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 18 | 10:00 AM 7/19/18 | Noon 7/20/18 | Opening until further notice:<br>• Inner Kitoi Bay Section<br><br>Closed water adjustments:<br>• Increased until further notice at Little Kitoi Creek and Big Kitoi Creek<br><br>Open until further notice:<br>• Izhut Bay Section<br>• Outer Kitoi Bay Section<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |

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| E.O. # | Issued | Effective | Action in Effect |
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| 19 | 10:00 AM 7/21/18 | 9:00 PM 7/21/18 | Extension for 48 hours, until 9:00 PM 7/23:<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Open until further notice:<br>• Izhut Bay Section<br>• Outer Kitoi Bay Section<br>• Inner Kitoi Bay Section<br><br>Closed water adjustments:<br>• Reduced until further notice at Little Kitoi Creek and Big Kitoi Creek<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 20 | 5:00 PM 7/25/18 | 8:00 PM 7/25/18 | Closure in the following areas:<br>• The Seaward Zones of the Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River sections<br>• The Seaward Zones of the Northwest Afognak and Shuyak Island sections<br><br>Open until further notice:<br>• Izhut Bay Section<br>• Outer Kitoi Bay Section<br>• Inner Kitoi Bay Section<br><br>Closed water adjustments:<br>• Reduced until further notice at Little Kitoi Creek and Big Kitoi Creek<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 21 | 10:00 AM 7/26/18 | 9:00 PM 7/26/18 | Closure in the following area:<br>• Inner Kitoi Bay Section<br><br>Open until further notice:<br>• Izhut Bay Section<br>• Outer Kitoi Bay Section<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |

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| E.O. # | Issued | Effective | Action in Effect |
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| 22 | 10:00 AM 7/31/18 | Noon 8/1/18 | Opening until further notice:<br>• Spiridon Bay Special Harvest Area |
| | | 9:00 PM 8/1/18 | Closure in the following area:<br>• Outer Kitoi Bay Section<br><br>Open until further notice:<br>• Izhut Bay Section<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 23 | 10:00 AM 8/2/18 | Noon 8/4/18 | Opening for 57 hours, until 9:00 PM 8/6:<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br>• Outer Karluk Section<br>• Central, North Cape, Uyak Bay, Spiridon Bay, Inner Uganik Bay, and Anton Larsen Bay sections (the Sharatin Bay, Kizhuyak Bay, Terror Bay, and Zachar Bay sections remain closed)<br>• Southwest Afognak, Raspberry Strait, Northwest Afognak, and Duck Bay Sections (the Northwest Afognak, Shuyak Island, Pauls Bay, Perenosa Bay, and Southeast Afognak sections remain closed)<br><br>Open until further notice:<br>• Izhut Bay Section<br>• Spiridon Bay Special Harvest Area<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 24 | 10:00 AM 8/5/18 | 9:00 PM 8/6/18 | Closure in the following area:<br>• Izhut Bay Section south of a line from Haystack Rock to Pillar Cape<br><br>Open until further notice:<br>• Izhut Bay Section north of a line from Haystack Rock to Pillar Cape<br>• Spiridon Bay Special Harvest Area<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 25 | 10:00 AM 8/6/18 | 9:00 PM 8/6/18 | Extension for 48 hours until 9:00PM 8/8:<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay Sections |

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| E.O. # | Issued | Effective | Action in Effect |
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| 25 (cont.) | | 9:00 PM 8/6/18 | Extension for 24 hours until 9:00 PM 8/7:<br>• Humpy-Deadman Section<br>• Outer Karluk Section<br>• Central, North Cape, Uyak Bay, Spiridon Bay, Inner Uganik Bay, and Anton Larsen Bay sections (the Sharatin Bay, Kizhuyak Bay, Terror Bay, and Zachar Bay sections remain closed)<br>• Southwest Afognak Section |
| | | Noon 8/7/18 | Opening for 33 hours until 9:00 PM 8/8:<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Reduced until 9:00 PM 8/8 at Dog Salmon Creek and Horse Marine Lagoon<br><br>Open until further notice:<br>• Izhut Bay Section north of a line from Haystack Rock to Pillar Cape<br>• Spiridon Bay Special Harvest Area<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 26 | 5:00 PM 8/6/18 | 9:00 PM 8/6/18 | Extension until further notice:<br>• Izhut Bay Section south of a line from Haystack Rock to Pillar Cape<br><br>Closed Water Adjustments:<br>• Reduced until 9:00 PM 8/8 at Dog Salmon Creek and Horse Marine Lagoon<br><br>Open until further notice:<br>• Izhut Bay Section north of a line from Haystack Rock to Pillar Cape<br>• Spiridon Bay Special Harvest Area<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 27 | 10:00 AM 8/7/18 | 9:00 PM 8/7/18 | Extension for 48 hours until 9:00 PM 8/9:<br>• Outer Karluk Section<br>• Central, North Cape, Uyak Bay, Spiridon Bay, Inner Uganik Bay, and Anton Larsen Bay sections (the Sharatin Bay, Kizhuyak Bay, Terror Bay, and Zachar Bay sections remain closed)<br>• Southwest Afognak Section |
| | | Noon 8/8/18 | Opening for 33 hours until 9:00 PM 8/9:<br>• Halibut Bay and Sturgeon sections<br><br>Closed Water Adjustments:<br>• Reduced until 9:00 PM 8/8 at Dog Salmon Creek and Horse Marine Lagoon |

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| E.O. # | Issued | Effective | Action in Effect |
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| 27 (cont.) | | | Open until further notice:<br>• Izhut Bay Section north of a line from Haystack Rock to Pillar Cape<br>• Spiridon Bay Special Harvest Area<br><br>Non-retention of Chinook salmon 28 inches or greater in length until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 28 | 10:00 AM 8/8/18 | 9:00 PM 8/8/18 | Extension for 48 hours until 9:00 PM 8/10:<br>• Cape Alitak, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats sections |
| | | Noon 8/9/18 | Opening for 9 hours when hatchery staff launch a flare until 9:00 PM 8/9:<br>• Inner Kitoi Bay and Outer Kitoi Bay sections<br><br>Opening for 9 hours until 9:00 PM 8/9:<br>• Inner Karluk Section |
| | | 9:00 PM 8/9/18 | Extension for 24 hours until 9:00 PM 8/10:<br>• Halibut Bay, Sturgeon, and Outer Karluk sections<br>• Central, North Cape, Uyak Bay, Spiridon Bay, Inner Uganik Bay, and Anton Larsen sections (the Sharatin Bay, Kizhuyak Bay, Terror Bay, and Zachar Bay sections remain closed)<br>• Southwest Afognak Section<br><br>Closed Water Adjustments:<br>• Increased to markers at Little Kitoi Creek and Big Kitoi Creek<br>• Reduced from noon 8/9 until 9:00 PM 8/9 at Karluk Lagoon terminus<br>• Reduced until 9:00 PM 8/10 at Dog Salmon Creek and Horse Marine Lagoon<br><br>Open until further notice:<br>• Izhut Bay Section north of a line from Haystack Rock to Pillar Cape<br>• Spiridon Bay Special Harvest Area<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 29 | 10:30 AM 8/9/18 | 9:00 PM 8/9/18 | Closure in the following area:<br>• Izhut Bay Section |
| | | 9:00 PM 8/10/18 | Closure in the following area:<br>• Spiridon Bay Special Harvest Area<br><br>Extension until further notice:<br>• Dog Salmon Flats Section |

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| E.O. # | Issued | Effective | Action in Effect |
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| 29 (cont.) | | | Closed Water Adjustments:<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br>• Increased to markers at Little Kitoi Creek and Big Kitoi Creek<br>• Reduced from noon 8/9 until 9:00PM 8/9 at Karluk Lagoon terminus<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 30 | 10:00 AM 8/12/18 | Noon 8/13/18 | Opening for 57 hours, until 9:00 PM 8/15:<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Opening until further notice:<br>• Duck Bay and Izhut Bay sections<br><br>Open until further notice:<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 31 | 10:00 AM 8/13/18 | Noon 8/14/18 | Opening until further notice:<br>• Outer Kitoi Bay Section<br><br>Opening until further notice (at noon 8/13):<br>• Duck Bay and Izhut Bay sections<br><br>Open until further notice:<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |

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| E.O. # | Issued | Effective | Action in Effect |
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| 32 | 10:00 AM 8/14/18 | Noon 8/15/18 | Opening for 6 hours when hatchery staff launch a flare until 6:00 PM 8/15:<br>• Inner Kitoi Bay Section |
| | | 9:00 PM 8/15/18 | Extension for 45 hours until 6:00 PM 8/17:<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections |
| | | Noon 8/16/18 | Opening for 54 hours until 6:00 PM 8/18:<br>• Halibut Bay, Sturgeon, and Outer Karluk sections<br>• Central and North Cape sections<br>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections<br><br>Opening for 30 hours until 6:00 PM 8/17:<br>• Spiridon Bay Special Harvest Area<br><br>Open until further notice:<br>• Outer Kitoi Bay, Duck Bay, and Izhut Bay sections<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Increased to markers at Little Kitoi Creek and Big Kitoi Creek until 6:00 PM 8/15<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 33 | 2:00 PM 8/15/18 | 9:00 PM 8/15/18 | Extension for 45 hours, until 6:00 PM 8/17:<br>• Humpy-Deadman Section<br><br>Open until further notice:<br>• Outer Kitoi Bay, Duck Bay, and Izhut Bay sections<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Reduced At Humpy-Deadman until 6:00 PM 8/17<br>• Reduced at Little Kitoi Creek and increased at Big Kitoi Creek until 6:00 PM 8/15<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |

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| E.O. # | Issued | Effective | Action in Effect |
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| 34 | 10:00 AM 8/17/18 | 6:00 PM 8/17/18 | Extension for 48 hours, until 6:00 PM 8/19:<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections |
| | | 6:00 PM 8/18/18 | Extension for 24 hours, until 6:00 PM 8/19:<br>• Halibut Bay, Sturgeon, and Outer Karluk sections<br>• Central and North Cape Sections<br>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northwest Afognak sections<br><br>Open until further notice:<br>• Outer Kitoi Bay, Duck Bay, and Izhut Bay sections<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Reduced from 6:00 PM 8/17 until 6:00 PM 8/19 at Humpy Creek<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 35 | 10:00 AM 8/19/18 | 6:00 PM 8/19/18 | Extension for 24 hours, until 6:00 PM 8/20:<br>• Outer Karluk Section<br>• Central and North Cape sections<br>• Southwest Afognak Section<br><br>Open until further notice:<br>• Outer Kitoi Bay, Duck Bay, and Izhut Bay sections<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Reduced from 6:00 PM 8/17 until 6:00 PM 8/19 at Humpy Creek<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 36 | 10:00 AM 8/20/18 | 6:00 PM 8/20/18 | Extension for 24 hours, until 6:00 PM 8/21:<br>• Outer Karluk Section<br>• Central and North Cape sections<br>• Southwest Afognak Section<br><br>Open until further notice:<br>• Outer Kitoi Bay, Duck Bay, and Izhut Bay sections<br>• Dog Salmon Flats Section |

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| E.O. # | Issued | Effective | Action in Effect |
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| 36 (cont.) | | | Closed Water Adjustments:<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 37 | 10:00 AM 8/21/18 | 6:00 PM 8/21/18 | Extension for 72 hours, until 6:00 PM 8/24:<br>• Outer Karluk Section<br>• Central and North Cape sections<br>• Southwest Afognak Section |
| | | Noon 8/22/18 | Opening for 54 hours, until 6:00 PM 8/24:<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br>• Outer Ayakulik, Sturgeon, and Halibut Bay section |
| | | 6:00 PM 8/22/18 | Closure in the following areas:<br>• Outer Kitoi Bay and Duck Bay sections<br>• Izhut Bay Section south of a line from Haystack Rock to Pillar Cape<br><br>Open until further notice:<br>• Izhut Bay Section north of a line from Haystack Rock to Pillar Cape<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 38 | 10:00 AM 8/22/18 | Noon 8/23/18 | Opening for 6 hours, until 6:00 PM 8/23:<br>• Inner Ayakulik Section |
| | | Noon 8/24/18 | Opening until further notice:<br>• Duck Bay Section<br>• Izhut Bay Section south of a line from Haystack Rock to Pillar Cape<br><br>Open until further notice:<br>• Izhut Bay Section north of a line from Haystack Rock to Pillar Cape<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon |

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| E.O. # | Issued | Effective | Action in Effect |
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| 38 (cont.) | | | Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 39 | 10:00 AM 8/23/18 | Noon 8/24/18 | Opening for 54 hours, until 6:00 PM 8/26:<br>• Uyak Bay, Spiridon Bay, Inner Uganik Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northwest Afognak sections |
| | | 6:00 PM 8/24/18 | Extension for 48 hours, until 6:00 PM 8/26:<br>• Outer Karluk Section<br>• Central and North Cape sections<br>• Southwest Afognak Section<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Open until further notice:<br>• Duck Bay and Izhut Bay sections<br>• Dog Salmon Flats Section<br><br>Closed Water Adjustments:<br>• Reduced until further notice at Dog Salmon Creek and Horse Marine Lagoon<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 40 | 10:00 AM 8/26/18 | 6:00 PM 8/26/18 | Extension for 48 hours, until 6:00 PM 8/28:<br>• Outer Karluk Section<br>• Central and North Cape sections<br>• Southwest Afognak Section<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Closure in the following areas:<br>• Dog Salmon Flats Section<br>• Uyak Bay, Spiridon Bay, Inner Uganik Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections<br><br>Closed water adjustments:<br>• Reduced until 6:00 PM 8/26 at Dog Salmon Creek and Horse Marine Lagoon<br><br>Open until further notice:<br>• Duck Bay and Izhut Bay sections |

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| E.O. # | Issued | Effective | Action in Effect |
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| 40 (cont.) | | | Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 41 | 10:00 AM 8/28/18 | 6:00 PM 8/28/18 | Extension for 48 hours, until 6:00 PM 8/30:<br>• Outer Karluk Section<br>• Central and North Cape sections<br>• Southwest Afognak Section |
| | | Noon 8/29/18 | Opening until further notice:<br>• Outer Kitoi Bay Section<br><br>Open until further notice:<br>• Duck Bay and Izhut Bay sections<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 42 | 10:00 AM 8/30/18 | 6:00 PM 8/30/18 | Extension until further notice:<br>• Outer Karluk Section<br>• Central and North Cape sections<br>• Southwest Afognak Section |
| | | Noon 8/31/18 | Opening until further notice:<br>• Halibut Bay and Sturgeon sections<br><br>Opening for 54 hours, until 6:00 PM 9/2:<br>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections<br>• Outer Ayakulik Section<br>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections<br>• Big River Hallo Bay sections<br><br>Open until further notice:<br>• Duck Bay, Izhut Bay, Outer Kitoi Bay sections<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 43 | 10:00 PM 9/1/18 | Noon 9/2/18 | Opening for 78 hours, until 6:00 PM 9/5:<br>• Inner Karluk Section |
| | | 6:00 PM 9/2/18 | Extension until further notice:<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections |

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| E.O. # | Issued | Effective | Action in Effect |
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| 43 (cont.) | | | Open until further notice:<br>• Outer Karluk, Halibut Bay, Sturgeon Bay sections<br>• Central and North Cape sections<br>• Duck Bay, Izhut Bay, Outer Kitoi Bay, and Southwest Afognak sections<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 44 | 10:00 AM 9/5/18 | 6:00 PM 9/5/18 | Extension for 96 hours until 6:00 PM 9/9:<br>• Inner Karluk Section |
| | | Noon 9/7/18 | Opening for 54 hours, until 6:00 PM 9/9<br>• Humpy-Deadman Section<br>• Outer Ayakulik Section<br>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections<br>• Big River and Hallo Bay sections<br>• Eastside Kodiak District<br><br>Open until further notice:<br>• Outer Karluk, Halibut Bay, Sturgeon Bay sections<br>• Central and North Cape sections<br>• Duck Bay, Izhut Bay, Outer Kitoi Bay, and Southwest Afognak sections<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 45 | 10:00 AM 9/11/18 | Noon 9/12/18 | Opening for 102 hours, until 6:00 PM 9/16:<br>• Inner Karluk Section |
| | | Noon 9/14/18 | Opening for 54 hours, until 6:00 PM 9/16:<br>• Humpy-Deadman Section<br>• Outer Ayakulik Section<br>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections<br>• Big River and Hallo Bay sections<br>• Eastside Kodiak District |

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| E.O. # | Issued | Effective | Action in Effect |
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| 45 (cont.) | | | Open until further notice:<br>• Outer Karluk, Halibut Bay, Sturgeon Bay sections<br>• Central and North Cape sections<br>• Duck Bay, Izhut Bay, Outer Kitoi Bay, and Southwest Afognak sections<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 46 | 3:30 PM 9/12/18 | 6:00 PM 9/13/18 | Closure in the following areas:<br>• Izhut Bay and Outer Kitoi Bay sections<br><br>Open until further notice:<br>• Outer Karluk, Halibut Bay, Sturgeon Bay sections<br>• Central and North Cape sections<br>• Duck Bay and Southwest Afognak sections<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 47 | 10:00 AM 9/16/18 | 6:00 PM 9/16/18 | Extension for 72 hours, until 6:00 PM 9/19:<br>• Inner Karluk Section<br><br>Open until further notice:<br>• Outer Karluk, Halibut Bay, Sturgeon Bay sections<br>• Central and North Cape sections<br>• Duck Bay and Southwest Afognak sections<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 48 | 10:00 AM 9/19/18 | 6:00 PM 9/19/18 | Extension until further notice:<br>• Inner Karluk Section |
| | | Noon 9/21/18 | Opening for 54 hours, until 6:00 PM 9/23:<br>• Humpy-Deadman Section<br>• Outer Ayakulik Section<br>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections<br>• Big River and Hallo Bay sections<br>• Eastside Kodiak District |

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| E.O. # | Issued | Effective | Action in Effect |
|---|---|---|---|
| 48 (cont.) | | | Open until further notice:<br>• Outer Karluk, Halibut Bay, Sturgeon Bay sections<br>• Central and North Cape sections<br>• Duck Bay and Southwest Afognak sections<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 49 | 10:00 AM 9/26/18 | Noon 9/28/18 | Opening for 54 hours, until 6:00 PM 9/30:<br>• Humpy-Deadman Section<br>• Outer Ayakulik Section<br>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections<br>• Big River and Hallo Bay sections<br>• Eastside Kodiak District (except in the Inner Ugak Bay section northeast of a line from Shark Point to a point west of Portage Bay)<br><br>Open until further notice:<br>• Inner Karluk, Outer Karluk, Halibut Bay, Sturgeon Bay sections<br>• Central and North Cape sections<br>• Duck Bay and Southwest Afognak sections<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections<br><br>Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |
| 50 | 10:00 AM 10/3/18 | Noon 10/4/18 | Opening for 78 hours, until 6:00 PM 10/7:<br><br>• Humpy-Deadman Section<br>• Outer Ayakulik Section<br>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections<br>• Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections<br>• Big River and Hallo Bay sections<br>• Eastside Kodiak District (except in the Inner Ugak Bay section northeast of a line from Shark Point to a point west of Portage Bay)<br>• Monashka-Mill Bay Section<br><br>Open until further notice:<br>• Inner Karluk, Outer Karluk, Halibut Bay, Sturgeon Bay sections<br>• Central and North Cape sections<br>• Duck Bay and Southwest Afognak sections<br>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections |

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| E.O. # | Issued | Effective | Action in Effect |
|---|---|---|---|
| 48 (cont.) | 10:00 AM 10/3/18 | Noon 10/4/18 | Non-retention of Chinook salmon 28 inches in length or greater until further notice:<br>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk |

# APPENDIX C. CAPE IGVAK FISHERY SUMMARY

Appendix C1.–Narrative account of the Cape Igvak sockeye salmon fishery in the Kodiak Management Area, 2018.

## INTRODUCTION

Beginning in 1964, a purse seine fishery developed along the capes in the Cape Igvak Section of the Mainland District (Appendix C2). Between 1968 and 1969, ADF&G conducted a tagging study at Cape Igvak (ADF&G 1970). In 1968, ADF&G tagged 325 sockeye salmon on June 22. Only 5 recoveries were documented (4 in Chignik and 1 in Cook Inlet). In 1969 ADF&G tagged 791 sockeye salmon in the Cape Igvak area between June 14 and July 6. Tag recoveries ($n$ = 161) were primarily made in the Chignik Management Area (83.9%), KMA (9.3%), Cook Inlet (4.3%), and West of Chignik (2.5%). The issue of interception of Chignik-bound sockeye salmon in the Cape Igvak Section came before the Board of Fisheries (BOF) several times over the next 10 years, and management of this section was modified many times. From 1974 to 1977, this area was managed for "day for day" equal fishing time with the Chignik Bay District of the Chignik Management Area (CMA).

In 1978, a specific management plan for the Cape Igvak Section was adopted by the BOF. The *Cape Igvak Salmon Management Plan* (CISMP; 5 AAC 18.360) covered the time period from the start of the season through July 25 for fishing activity in the Cape Igvak Section of the Mainland District. This management plan stipulated that 80% of the sockeye salmon harvest from the Cape Igvak Section during this period would be considered Chignik bound. In 2002, the BOF modified the CISMP such that 90% of the Cape Igvak Section sockeye salmon catch was now considered to be Chignik bound. The CISMP allows the Kodiak Management Area fleet to harvest up to 15% of the Chignik-bound sockeye salmon harvest.[1] The CISMP also stipulated strict allocative and biological requirements. Through July 25 in Chignik, a minimum harvest of 600,000 sockeye salmon must be expected (300,000 each for both the early and late run), and sockeye salmon escapement must be at desired levels for a harvest to be allowed. Commercial fisheries must begin in CMA before fisheries are allowed in the Cape Igvak Section (Fuerst and Jackson 2018).

Since this plan was adopted in 1978, the catch of Chignik-bound sockeye salmon from the Cape Igvak Section has ranged from 0% to 19.2% of the total Chignik sockeye salmon harvest (Appendix C3). In years that an allocation fishery has been prosecuted in the Cape Igvak Section, the sockeye salmon harvest has averaged 12.0% of the total CMA sockeye salmon harvest (Appendix C4). The Cape Igvak harvest has met or exceeded its 15% allocation level in 10 of the 40 years the plan has been in place (Appendices C3 and C4).

### 2018 Cape Igvak Fishery

#### Early Run

The 2018 preseason forecast for the Chignik system predicted a return of approximately 848,000 early-run (Black Lake) sockeye salmon. The early-run escapement goal is 350,000 to 450,000 sockeye salmon though late July (Schaberg et al. 2015). This left a forecasted harvestable surplus of 447,000 early-run sockeye salmon (Brenner et al. 2018).

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[1] Chignik-bound sockeye salmon are also harvested in the Southeastern Mainland District of the Alaska Peninsula Management Area, in accordance with the regulatory *Southeastern District Mainland Salmon Management Plan*, 5 AAC 09.360.

The early Chignik sockeye salmon return was well below average and the allocative requirements were not met, therefore the allocation fishery with Cape Igvak was not open to commercial fishing during the early run in 2018. The CISMP provides for an "overlap period" between the first and second runs (June 26 to July 9) during which fishing in the Cape Igvak Section is closed or severely limited until the strength of the late run (Chignik Lake) can be assessed. In accordance with the CISMP, the Cape Igvak fishery remained closed from June 26 to July 9.

**Late Run**

The preseason forecast for late-run (Chignik Lake) sockeye salmon was approximately 901,000 fish in 2018. The late-run escapement objective was 250,000 to 400,000 sockeye salmon (Schaberg et al. 2015) resulting in a harvestable surplus forecast of 563,000 sockeye salmon (Brenner et al. 2018).

The actual late run was weaker than forecast during the allocation period and did not meet the biological and allocative criteria to allow for the Cape Igvak fishery to open during the late run.

## REFERENCES CITED

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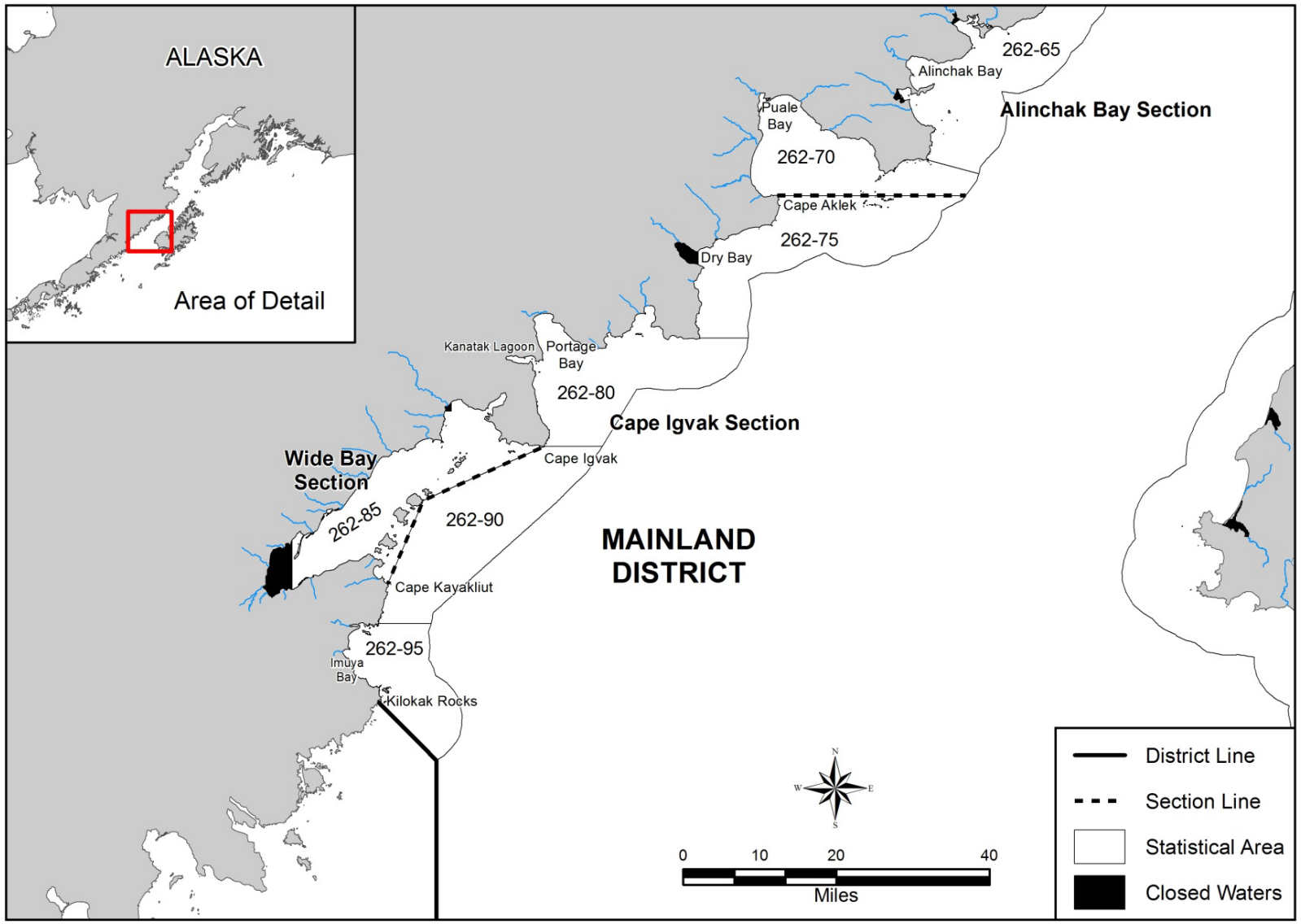
Brenner, R. E., A. R. Munro, and J. C. Shriver, editors. 2018. Run forecasts and harvest projections for 2018 Alaska salmon fisheries and review of the 2017 season. Alaska Department of Fish and Game, Special Publication No. 18-09, Anchorage.

Fuerst, B. A., and J. Jackson. 2018. Kodiak management area harvest strategy for the 2018 commercial salmon fishery. Alaska Department of Fish and Game, Regional Information Report No. 4K18-02, Kodiak.

Schaberg, K. L., D. A. Tracy, M. B. Foster, and M. Loewen. 2015. Review of salmon escapement goals in the Chignik Management Area, 2015. Alaska Department of Fish and Game, Fishery Manuscript Series No. 15-02, Anchorage.

Appendix C2.–Map of the Cape Igvak Section of the Kodiak Management Area.



Appendix C3.–Harvest of sockeye salmon considered to be Chignik bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, from 1978 to 2018.

| | Chignik | | Cape Igvak[a] | | Southeastern District Mainland[a] | | |
|---|---|---|---|---|---|---|---|
| Year | Catch[b] | Percent | Catch[b] | Percent | Catch[b] | Percent | Total |
| 1978 [c] | 1,454,389 | 86.60 | 225,078 | 13.40 | N/A | N/A | 1,679,467 |
| 1979 [d] | 794,504 | 98.27 | 13,950 | 1.73 | N/A | N/A | 808,454 |
| 1980 | 670,001 | 91.31 | 32 | 0.00 | 63,724 | 8.68 | 733,757 |
| 1981 | 1,606,300 | 79.87 | 282,727 | 14.06 | 122,198 | 6.08 | 2,011,225 |
| 1982 | 1,250,768 | 84.49 | 166,756 | 11.26 | 62,789 | 4.24 | 1,480,313 |
| 1983 | 1,450,832 | 72.68 | 318,048 | 15.93 | 227,392 | 11.39 | 1,996,272 |
| 1984 | 2,474,405 | 73.93 | 449,372 | 13.43 | 423,292 | 12.65 | 3,347,069 |
| 1985 [e] | 690,698 | 79.78 | 123,627 | 14.28 | 51,421 | 5.94 | 865,746 |
| 1986 | 1,456,729 | 82.64 | 188,017 | 10.67 | 118,006 | 6.69 | 1,762,752 |
| 1987 | 1,659,236 | 77.99 | 321,506 | 15.11 | 146,886 | 6.90 | 2,127,628 |
| 1988 | 675,487 | 95.77 | 10,520 | 1.49 | 19,320 | 2.74 | 705,327 |
| 1989 | 496,044 | 99.10 | [f] | 0.00 | 4,485 | 0.90 | 500,529 |
| 1990 | 1,205,575 | 84.29 | 107,706 | 7.53 | 117,065 | 8.18 | 1,430,346 |
| 1991 [g] | 1,962,583 | 80.45 | 324,195 | 13.29 | 152,714 | 6.26 | 2,439,492 |
| 1992 [h] | 1,054,309 | 81.19 | 150,434 | 11.58 | 93,845 | 7.23 | 1,298,588 |
| 1993 | 1,495,098 | 77.72 | 300,055 | 15.60 | 128,536 | 6.68 | 1,923,689 |
| 1994 [i] | 1,632,435 | 80.61 | 250,230 | 12.36 | 142,350 | 7.03 | 2,025,015 |
| 1995 | 1,024,785 | 79.85 | 169,530 | 13.21 | 89,086 | 6.94 | 1,283,401 |
| 1996 [j] | 1,710,249 | 79.70 | 308,327 | 14.37 | 127,201 | 5.93 | 2,145,777 |
| 1997 | 443,892 | 100.00 | [f] | 0.00 | [f] | 0.00 | 443,892 |
| 1998 [k] | 786,466 | 91.22 | 8,813 | 1.02 | 66,893 | 7.76 | 862,172 |
| 1999 | 2,326,811 | 78.70 | 456,039 | 15.43 | 173,621 | 5.87 | 2,956,471 |
| 2000 | 1,509,652 | 80.11 | 271,344 | 14.40 | 103,419 | 5.49 | 1,884,415 |
| 2001 [l] | 1,134,991 | 79.41 | 215,214 | 15.06 | 79,037 | 5.53 | 1,429,242 |
| 2002 [m] | 849,980 | 80.99 | 136,488 | 13.01 | 63,026 | 6.01 | 1,049,494 |
| 2003 | 854,673 | 81.67 | 121,887 | 11.65 | 69,935 | 6.68 | 1,046,495 |
| 2004 | 681,139 | 75.94 | 160,665 | 17.91 | 55,123 | 6.15 | 896,927 |
| 2005 | 1,098,718 | 70.84 | 274,328 | 17.69 | 177,906 | 11.47 | 1,550,952 |
| 2006 | 741,887 | 87.72 | 41,834 | 4.95 | 62,010 | 7.33 | 845,731 |
| 2007 [n] | 601,213 | 91.97 | 52,527 | 8.03 | [f] | 0.00 | 653,740 |
| 2008 | 455,199 | 100.00 | [f] | 0.00 | [f] | 0.00 | 455,199 |
| 2009 | 871,890 | 83.26 | 126,968 | 12.12 | 48,322 | 5.54 | 1,047,180 |
| 2010 | 1,125,135 | 80.62 | 185,193 | 13.27 | 85,267 | 7.58 | 1,395,595 |
| 2011 | 2,277,681 | 77.77 | 494,538 | 16.89 | 156,637 | 6.88 | 2,928,856 |
| 2012 | 1,640,517 | 78.44 | 324,895 | 15.53 | 126,083 | 7.69 | 2,091,495 |
| 2013 | 2,253,424 | 81.16 | 354,179 | 12.76 | 169,029 | 7.50 | 2,776,632 |

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| | Chignik | | Cape Igvak[a] | | Southeastern District Mainland[a] | | |
|---|---|---|---|---|---|---|---|
| Year | Catch[b] | Percent | Catch[b] | Percent | Catch[b] | Percent | Total |
| 2014 | 330,302 | 100.00 | 0 | 0.00 | 0 | 0.00 | 330,302 |
| 2015 | 1,014,550 | 90.67 | 5,936 | 0.53 | 98,473 | 9.71 | 1,118,959 |
| 2016 | 1,167,326 | 74.92 | 298,470 | 19.16 | 94,790 | 8.12 | 1,558,034 |
| 2017 | 679,410 | 80.76 | 118,101 | 14.04 | 43,730 | 6.44 | 841,241 |
| 2018 | 128 | 100.00 | 0 | 0.00 | 0 | 0.00 | 128 |

[a] Through 2001, the Cape Igvak and Southeastern District Mainland figures represent 80% of the total sockeye salmon catch for those areas, based on the premise that 80% of the sockeye salmon caught in those areas are destined for Chignik (excluding sockeye salmon caught in the Northwest Stepovak Section from 1964 to 1991 and during July from 1996 to 2009, and Orzinski Bay from 1992 to 1995). In 2002, for the Cape Igvak fishery, the BOF increased the percentage of the sockeye salmon harvest considered to be Chignik bound from 80% to 90%.

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

[c] In 1978, seining prior to July 11 was disallowed in the Southeastern District Mainland. Set gillnet fisheries were allowed for 3 days per week through July 10, after which the fishery was based on local stock abundance.

[d] From 1979 to 1984, fishing in the Southeastern District Mainland was allowed for 5 days per week prior to July 11, with an estimated ceiling of 60,000 Chignik-bound sockeye. If the Chignik Management Area catch was 1,000,000 or more before July 11 then the ceiling was removed.

[e] Beginning in 1985, the Southeastern District Mainland (excluding the Northwest Stepovak Section and Orzinski Bay) was allowed an allocation of 6.2% of the total harvest of Chignik-bound sockeye salmon through July 25. After July 25 the Southeast District Mainland was managed based on local stock abundance. The allocation level changed to 6.0% beginning in 1988, with seining still not allowed prior to July 11.

[f] No fishery.

[g] Includes overescapement of 208,305 sockeye salmon counted through the Chignik weir during a Chignik Area seiners strike (June 23 to July 4).

[h] Beginning in 1992, after a BOF review of historical records, the allocation of Chignik-bound sockeye salmon to the Southeastern District Mainland fishery (excluding Orzinzki Bay) was increased to 7.0%, through July 25.

[i] Includes overescapement of 208,921 sockeye salmon counted through the Chignik weir during a Chignik Area seiners strike (June 2 to June 25).

[j] In January 1996, the BOF increased the area managed for local Orzinski Lake sockeye salmon from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1, the entire Northwest Stepovak Section will be managed by allocation based on Chignik sockeye salmon run strength. Beginning July 1, the Northwest Stepovak Section is managed entirely on local stocks. The BOF also decreased the percentage of Chignik-bound sockeye salmon allocated to the Southeastern District Mainland fishery from 7.0% to 6.0%.

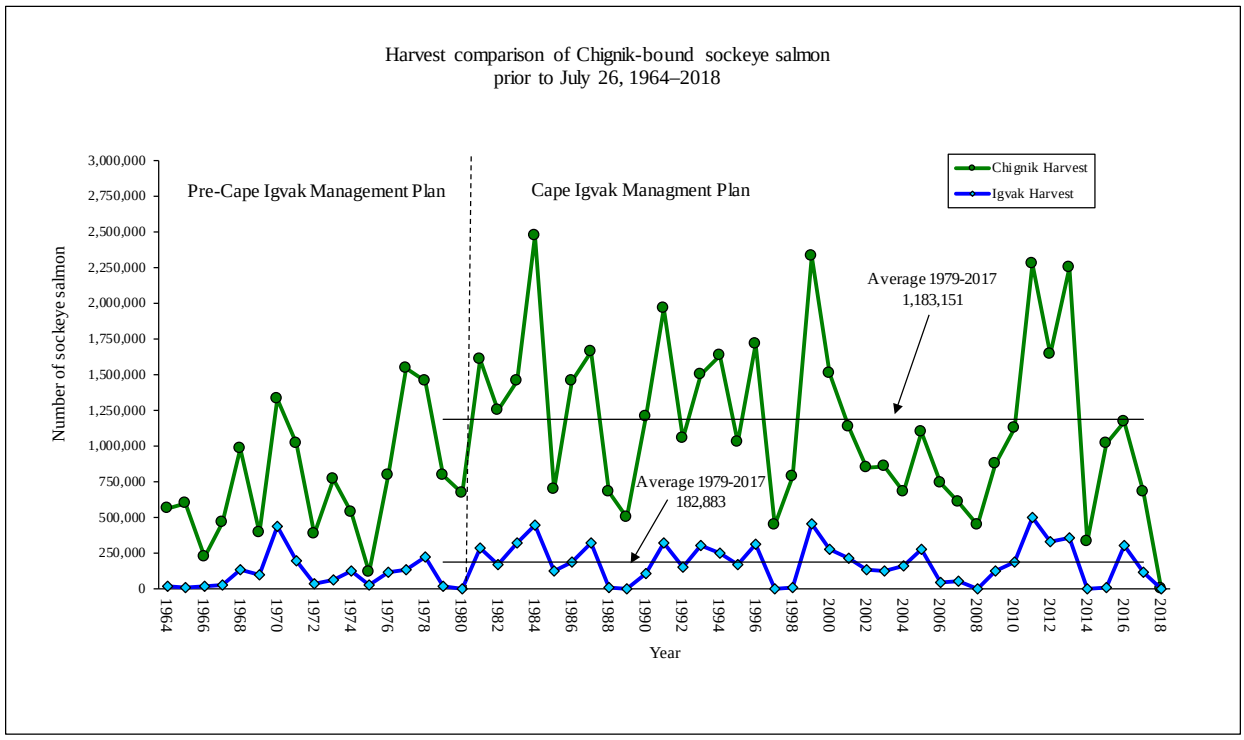
[k] Includes 7,714 sockeye salmon caught on June 18 by the Chignik Seiners Association, and an overescapement of 52,131 sockeye salmon counted through the weir during the Chignik Seiners Association boycott (June 16 to June 29).

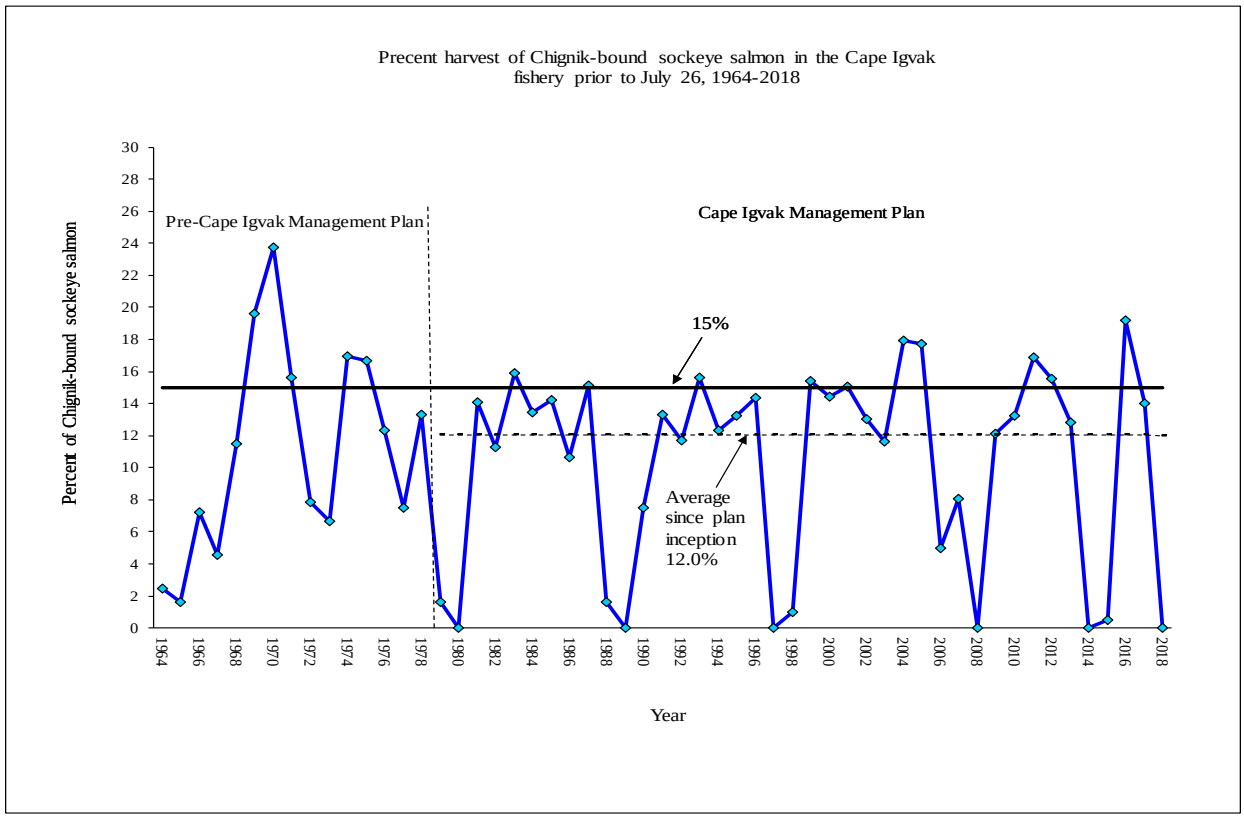
[l] Includes 176,605 sockeye salmon caught June 16–29 by the Chignik Seiners Association, and foregone harvest due to overescapement of 398,887 in the CMA and 27,896 in the Southeastern District Mainland during the fishermen's strike (June 14 to July 2).

[m] In 2002, the BOF changed the regulations such that 90% (up from 80%) of sockeye salmon harvested in the Cape Igvak Section through July 25 are to be considered Chignik bound.

[n] In 2007, the BOF changed the Southeastern District Mainland allocation from 6.0% of the total Chignik-bound harvest to 7.6% of the total Chignik Area harvest.

Appendix C4.–Impact of the Cape Igvak Salmon Management Plan.



# APPENDIX D. ALITAK DISTRICT FISHERY SUMMARY

Appendix D1.–Narrative account of the Alitak District salmon fishery in the Kodiak Management Area, 2018.

## INTRODUCTION

Within the Alitak District fishery set gillnet and seine are legal gear types for commercial salmon fishing. Set gillnets are allowed only in the inside waters of the Alitak Bay, Moser Bay, and Olga Bay sections, whereas seine gear is limited to the outer waters of the Cape Alitak and Humpy-Deadman sections until September 5 (5 AAC 18.330(d)(2); Appendix D2). Prior to the mid-1980s, various strategies were applied in the Alitak District to conserve and build sockeye salmon stocks returning to the Frazer, Akalura, and Upper Station systems, while offering some protection to local pink, chum, and coho salmon stocks. In the fall of 1987, the existing harvest strategy was formalized into a regulatory management plan and was adopted by the Board of Fisheries (BOF; 5AAC 18.361). This plan details the key species and targeted stocks managed in each section of the district throughout the fishing season (Fuerst and Jackson 2018). This management plan has been in effect since 1988 and was most recently revised by the BOF in 2017.

**Recent Board of Fisheries Actions:**

Most of the changes to the Alitak District Salmon Management Plan are directed at early run sockeye salmon management between June 1 and July 15. The changes are aimed at achieving the Frazer sockeye salmon BEG of 75,000 to 170,000 fish while meeting the smaller Upper Station early-run sockeye salmon BEG of 43,000 to 93,000 fish. These two salmon runs have overlapping run timing and Upper Station is located further into Olga Bay than the Frazer system (Appendix D2).

Previous BOF actions directed the department to focus management on the larger Frazer sockeye salmon run by establishing an Upper Station early-run sockeye salmon OEG of 25,000 fish (Prokopowich 1999). Since the Upper Station early-run OEG was lower than the Upper Station early-run SEG, management was focused on the larger Frazer sockeye salmon run. As a result, Upper Station early-run often achieved the OEG but failed to meet the SEG.

Beginning in 2014, the BOF eliminated the staggered opening and closing times for the Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections. Deleting this allocative language better enabled the department to pulse fish into Olga Bay. The BOF also liberalized the criteria for opening the terminal Dog Salmon Flats Section. Beginning in 2014, the Dog Salmon Flats Section could open prior to exceeding the Frazer sockeye salmon escapement goal.

In 2017, the BOF mandated the department to manage the Upper Station sockeye salmon early-run for the BEG instead of the OEG (5 AAC 18.361(c); Fuerst 2019). The BOF also deleted language directing the department to manage the commercial fishery to the extent possible in the traditional fisheries located in the Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections. Removing this language enables the department to restrict the commercial fishery to the nontraditional terminal Dog Salmon Flats Section. The BOF further removed language directing the department to manage the Frazer sockeye salmon run for maximum sustained yield. All of these changes allow the department more flexibility to manage for the Frazer BEG and the Upper Station BEG.

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## 2018 Alitak Fishery

The total run forecast for the Upper Station early run was 79,000 sockeye salmon, with an estimated harvestable surplus of approximately 14,000 fish. The 2018 total run forecast for the Frazer Lake system was 239,000 sockeye salmon (Brenner et al. 2018), with an estimated harvestable surplus of approximately 102,000 sockeye salmon. The total run forecast for Upper Station late run was 293,000 sockeye salmon, with an estimated harvestable surplus of approximately 107,000 sockeye salmon (Brenner et al. 2018).

The early-run Upper Station sockeye salmon run has a biological escapement goal (BEG) of 43,000 to 93,000 fish. The 2018 target sockeye salmon escapement for Upper Station early run was based on a maximum sustained yield calculation of 66,000 fish (Schaberg et al. 2016). The Frazer Lake sockeye salmon BEG range is 75,000 to 170,000 fish. The 2018 targeted sockeye salmon escapement for Frazer Lake was based on a maximum sustained yield calculation of 117,000 fish (Schaberg et al. 2016). Frazer sockeye salmon escapement are first enumerated through a lower weir near the outlet of the Dog Salmon River (Dog Salmon weir) and then enumerated through the fish pass (Frazer Lake fish pass) below the outlet of the lake. Some sockeye salmon that have been enumerated at the Dog Salmon weir do not ascend the Frazer fish pass and remain in Dog Salmon Creek. For the past 5 years the number of sockeye salmon remaining in the river has averaged approximately 13,553 fish. The 2018 targeted Dog Salmon weir sockeye salmon escapement was determined to be 137,000 fish. However, if appropriate, the Dog Salmon weir target escapement goal will also be further increased to account for jack sockeye salmon (jacks). The department defines jack sockeye salmon as sexually mature males that return after only 1 year in the ocean. The Upper Station late run has a BEG of 120,000 to 265,000 fish. The 2018 target sockeye salmon escapement for the Upper Station late run was based on a maximum sustained yield calculation of 186,000 fish (Schaberg et al. 2016).

### Frazer Jack Salmon and Alitak Salmon Management

In some years, the Frazer Lake sockeye salmon run has included a large number of jacks. In order to increase the absolute number of large adult spawners, the Frazer Lake target sockeye salmon escapement is further increased to account for excess jacks. When the total number of jacks counted through Dog Salmon weir exceeds 10% of the overall cumulative sockeye salmon counted through the weir, then jacks in excess of 10% are not considered toward the inseason management objectives.

### Olga Bay, Moser Bay, Alitak Bay, and Cape Alitak Salmon Management

By regulation, the Alitak District is managed from June 1 through June 30 based on sockeye returning to the Frazer system and the Upper Station system. The Upper Station weir was fish tight on May 21, and Dog Salmon Creek weir (Frazer system) was fish tight on May 24 (Fuerst 2019). Early-run escapement through the Upper Station weir was not sufficient to allow for the traditional 33-hour test fishery beginning on June 9.

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Through, June 24, with no commercial salmon fishing in the Alitak District, both early-run sockeye salmon escapement through the Upper Station weir and Dog Salmon creek was on target to meet their respective midpoints of 66,000 and 140,000 fish (Fuerst 2019). The department announced a 57-hour commercial salmon fishing period in the traditional fishing areas of the Alitak District (both seine and gillnet) beginning on June 25. Sockeye salmon harvest was below average but both Dog Salmon creek and Upper Station early-run sockeye escapement was adequate to justify a 24-hour extension to the commercial salmon fishery. Due to an increasing number of jack sockeye salmon passing Dog Salmon creek weir, and diminishing Upper Station early-run escapement, the Alitak District closed on June 28 (Fuerst 2019).

By regulation, the Alitak District is managed from July 1 through July 15 based on sockeye returning to either the Frazer system or the Upper Station system. By July 2, escapement of both Dog Salmon creek large adult sockeye salmon and Upper early-run escapement began to increase and the department opened the traditional fishing areas of the Alitak District (both seine and gillnet) for 57 hours beginning Wednesday, July 4 (Fuerst 2019). Sockeye salmon harvest was below average but both Dog Salmon and Upper Station weir sockeye salmon escapements were adequate resulting in a 48-hour extension to the commercial fishing period (Fuerst 2019). Due to an increasing number of jack sockeye salmon passing Dog Salmon creek weir, the Alitak District closed on July 8.

Shortly after the closure, Dog Salmon creek weir sockeye salmon escapement began to increase; however, the percentage of jack sockeye salmon increased substantially as well. The department determined that the fishery should remain closed until the next general pink salmon opening.

The department opened the traditional sockeye salmon fishing areas of the Alitak District for 57 hours beginning July 13. Sockeye salmon harvest was below average, but Dog Salmon creek sockeye salmon escapement was adequate. The jack sockeye salmon percentage again began to increase and the Alitak District closed on July 15 (Fuerst 2019). The final 2018 early-run sockeye salmon escapement at Upper Station weir (through July 15) was 61,732 sockeye salmon; within the established BEG of 43,000 to 93,000 fish.

By regulation, the traditional sockeye salmon fishing areas of the Alitak District are managed from July 16 through August 9 based on sockeye returning to either the Frazer system or to the Upper Station system. By, July 17, escapement of Dog Salmon creek large adult sockeye salmon escapement began to increase and the department opened the traditional sockeye salmon fishing areas (excluding the Humpy–Deadman Section, which at this time is managed based on local pink salmon) for 57 hours beginning July 19. Sockeye salmon harvest was well below average but Dog Salmon Creek sockeye salmon escapement continued to climb and the fishery was extended for a further 48 hours. Sockeye salmon harvest numbers continued to be below average while the Dog Salmon Creek jack sockeye salmon percentage increase again. The Alitak District closed on July 23.

Between July 24 and August 3, the number of jack sockeye salmon escaping through Dog Salmon Creek weir was very high. After an extended closure for more Dog Salmon creek large adult sockeye salmon, the department opened the Alitak District for 57 hours beginning August 4. Both pink salmon and sockeye salmon harvest numbers were above average and the traditional sockeye salmon fishing areas (excluding the Humpy-Deadman Section) were extended for 48 hours.

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Dog Salmon Creek pink salmon also increased and the non-traditional (gillnet only) Dog Salmon Flats Section was opened on August 7. Both pink salmon and sockeye salmon harvest remained above average and the traditional sockeye salmon fishing areas were extended for another 48 hours. Pink salmon escapement through Dog Salmon Creek weir increased substantially and the non-traditional (gillnet only) Dog Salmon Flats section was extended until further notice.

The final 2018 sockeye salmon escapement at Dog Salmon weir was 232,526 sockeye salmon (Fuerst 2019). The final 2018 Frazer fish pass escapement was 201,161 sockeye salmon. A total of 31,365 sockeye salmon were enumerated at the Dog Salmon weir but did not ascend the Frazer fish pass. The Frazer fish pass was closed after counts were completed on August 22. A total of 62,052 jacks (26.69% of the Dog Salmon escapement) passed Dog Salmon weir. A total of 60,037 jacks passed the Frazer fish pass, bringing the nonjack adult total sockeye salmon escaped into Frazer Lake to 141,124 fish within the established BEG of 75,000 to 170,000 fish (Schaberg et al. 2016; Fuerst 2019). Finally, a total of 250,509 pink salmon also escaped into Dog Salmon Creek (Table 4).

By regulation, the traditional sockeye salmon fishing areas of the Alitak District are managed from August 10 through August 25 based on sockeye returning to the Upper Station system. By August 11, Upper Station late-run sockeye salmon escapement was well above average and the Alitak District opened for 57 hours on August 13 (Fuerst 2019). Sockeye salmon harvest numbers continued to be strong and the fishery was extended until August 19.

Due to above average Upper Station late-run sockeye salmon escapement the traditional sockeye salmon fishing areas largely remained open for the remainder of the season. By August 24, the Upper Station late-run sockeye salmon escapement target was assured. Despite lengthy fishing openers fishing set gillnet effort remained low.

The final 2018 Upper Station late-run sockeye salmon escapement of 235,669 was within the BEG of 120,000 to 265,000 fish and the largest in over 20 years (Schaberg et al. 2016; Fuerst 2019). The 2018 Upper Station coho salmon escapement was the largest on record with a total of 17,187 escaped (Table 4).

**Humpy-Deadman Section Salmon Management**

The Humpy-Deadman Section (HDS) is managed from June 1 to July 15 with equal fishing time in the Cape Alitak Section. After July 15, HDS is managed based on the strength of the local salmon returns.

On July 15, HDS was extended for an additional 48 hours until July 17. Pink salmon harvests and early aerial surveys indicated below average abundance of pink salmon in the Alitak District. Due to early indications catch and escapement numbers, several closures were necessary to meet escapement needs. After August 15 pink salmon escapement (particularly to Humpy Creek stream #257-701) was adequate and the HDS remained open for the remainder of the season. In total, total, 562,073 pink salmon were harvested in the HDS and the Alitak District escapement was 690,029 pink salmon in 2018, below the 10-year average (Fuerst 2019).

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### Season Totals

In 2018, set gillnet harvest in the Olga Bay Section (statistical area 257-40) by 16 permit holders included 41,183 sockeye, 2,471 coho, 25,641 pink, and 794 chum salmon (Appendix D3). Set gillnet harvest in the Moser Bay Section (statistical area 257-43) by 23 permit holders included 82,945 sockeye, 4,462 coho, 39,731 pink, and 1,190 chum salmon (Appendix D3). Set gillnet harvest in the Alitak Bay Section (statistical area 257-41) by 19 permit holders included 1 Chinook, 46,087 sockeye, 1,564 coho, 31,317 pink, and 2,528 chum salmon (Appendix D3). Set gillnet harvest in the Dog Salmon Flats Section (statistical area 257-42) by 7 permit holders included 1,335 sockeye, 183 coho, 5,173 pink, and 63 chum salmon (Appendix D3).

In 2018, seine harvest in the Cape Alitak Section (statistical areas 257-10 and -20) by 48 permit holders included 219 Chinook, 97,763 sockeye, 11,076 coho, 116,551 pink, and 15,084 chum salmon (Appendix D4). Seine harvest in the HDS (statistical areas 257-50, -60, and -70) by 26 permit holders included 6 Chinook, 8,208 sockeye, 1,616 coho, 562,073 pink and 9,643 chum salmon (Appendix D4).

A total of 50 purse seine permit holders fished in the Alitak District in 2018 with a total harvest of 225 Chinook (>99% of the total Alitak District Chinook harvest), 105,971 sockeye (38%), 12,692 coho (59%), 678,624 pink (87%), and 24,727 chum salmon (84%; Appendices D4, D5, and D6). A total of 43 gillnet permit holders fished in Alitak District and harvested 1 Chinook (<1%), 171,557 sockeye (62%), 8,711 coho (41%), 101,862 pink (13%), and 4,576 chum salmon (16%; Appendices D3, D5, and D6).

## REFERENCES CITED

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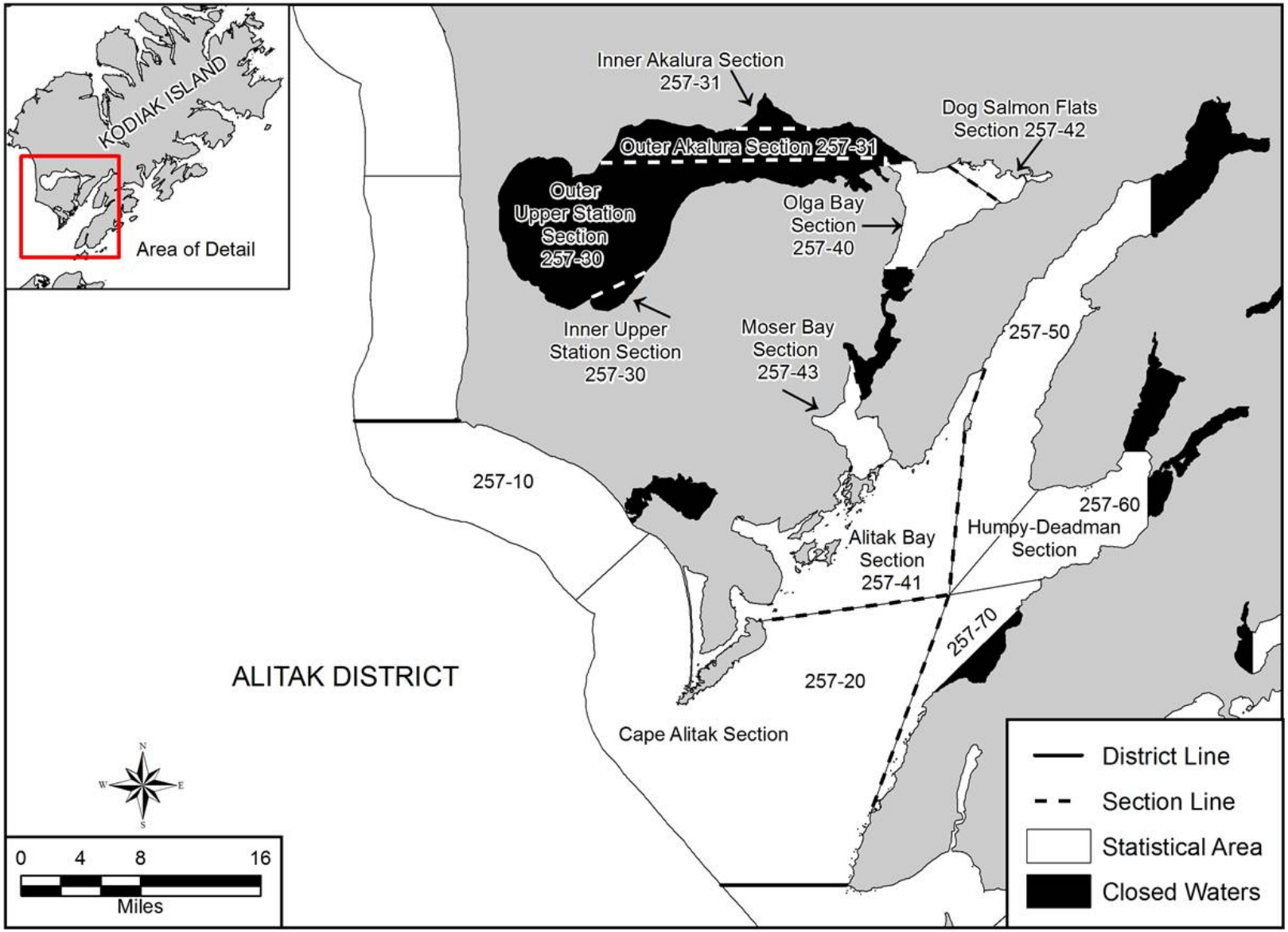
Appendix D2.–Map of the Alitak District showing sections, statistical areas, and closed waters, 2018.



Appendix D3.–Set gillnet daily salmon harvest, by species and section, for the Alitak District, 2018.

| Statistical | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Olga Bay Section 257-40 | 25-Jun | 7 | 7 | 0 | 0 | 2,593 | 11,407 | 0 | 0 | 1 | 3 | 9 | 67 |
| | 26-Jun | 9 | 10 | 0 | 0 | 1,508 | 6,589 | 0 | 0 | 0 | 0 | 40 | 360 |
| | 27-Jun | 5 | 5 | 0 | 0 | 343 | 1,487 | 0 | 0 | 0 | 0 | 10 | 125 |
| | 28-Jun | 6 | 6 | 0 | 0 | 540 | 2,275 | 0 | 0 | 0 | 0 | 12 | 121 |
| | 4-Jul | 7 | 8 | 0 | 0 | 763 | 3,638 | 0 | 0 | 1 | 3 | 12 | 97 |
| | 5-Jul | 6 | 6 | 0 | 0 | 360 | 1,549 | 0 | 0 | 0 | 0 | 9 | 75 |
| | 6-Jul | 5 | 5 | 0 | 0 | 321 | 1,457 | 0 | 0 | 0 | 0 | 3 | 37 |
| | 7-Jul | 4 | 5 | 0 | 0 | 68 | 326 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8-Jul | 3 | 3 | 0 | 0 | 52 | 277 | 0 | 0 | 0 | 0 | 1 | 8 |
| | 13-Jul | 9 | 9 | 0 | 0 | 1,312 | 6,334 | 1 | 7 | 23 | 104 | 17 | 144 |
| | 14-Jul | 6 | 7 | 0 | 0 | 268 | 1,172 | 0 | 0 | 8 | 39 | 21 | 169 |
| | 15-Jul | 4 | 4 | 0 | 0 | 293 | 1,347 | 0 | 0 | 6 | 30 | 10 | 77 |
| | 19-Jul | 6 | 7 | 0 | 0 | 635 | 3,277 | 1 | 6 | 52 | 225 | 19 | 164 |
| | 20-Jul | 7 | 7 | 0 | 0 | 273 | 1,210 | 0 | 0 | 22 | 96 | 8 | 79 |
| | 21-Jul | 4 | 4 | 0 | 0 | 151 | 658 | 1 | 7 | 13 | 61 | 2 | 18 |
| | 22-Jul | 4 | 4 | 0 | 0 | 50 | 177 | 0 | 0 | 2 | 13 | 1 | 14 |
| | 23-Jul | 3 | 3 | 0 | 0 | 84 | 373 | 0 | 0 | 3 | 13 | 0 | 0 |
| | 4-Aug | 6 | 11 | 0 | 0 | 1,525 | 7,949 | 6 | 47 | 2,303 | 10,954 | 22 | 206 |
| | 5-Aug | 8 | 19 | 0 | 0 | 2,099 | 11,444 | 35 | 259 | 3,260 | 16,156 | 26 | 237 |
| | 6-Aug | 7 | 13 | 0 | 0 | 922 | 5,079 | 29 | 229 | 3,265 | 16,045 | 31 | 279 |
| | 7-Aug | 6 | 9 | 0 | 0 | 528 | 2,881 | 29 | 219 | 1,569 | 7,768 | 21 | 189 |
| | 8-Aug | 5 | 7 | 0 | 0 | 640 | 3,490 | 13 | 121 | 962 | 4,697 | 9 | 92 |
| | 9-Aug | 4 | 7 | 0 | 0 | 943 | 5,417 | 29 | 217 | 1,238 | 6,112 | 5 | 43 |
| | 10-Aug | 5 | 8 | 0 | 0 | 804 | 4,287 | 36 | 254 | 1,104 | 5,333 | 13 | 108 |
| | 13-Aug | 4 | 12 | 0 | 0 | 2,859 | 15,882 | 90 | 727 | 1,990 | 9,352 | 52 | 452 |
| | 14-Aug | 4 | 7 | 0 | 0 | 1,153 | 6,290 | 138 | 1,162 | 1,746 | 8,373 | 30 | 251 |
| | 15-Aug | 4 | 8 | 0 | 0 | 1,347 | 7,569 | 69 | 631 | 1,516 | 7,258 | 14 | 104 |
| | 16-Aug | 4 | 6 | 0 | 0 | 880 | 4,957 | 69 | 582 | 925 | 4,457 | 3 | 25 |
| | 17-Aug | 3 | 8 | 0 | 0 | 1,199 | 6,584 | 109 | 863 | 1,523 | 7,265 | 20 | 181 |

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Appendix D3.–Page 2 of 7.

| Statistical Area | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Olga Bay Section 257-40 (cont.) | 18-Aug | 3 | 7 | 0 | 0 | 888 | 4796 | 58 | 491 | 730 | 3500 | 21 | 186 |
| | 19-Aug | 3 | 6 | 0 | 0 | 620 | 3,613 | 104 | 834 | 358 | 1,706 | 6 | 52 |
| | 22-Aug | 3 | 5 | 0 | 0 | 562 | 3,108 | 84 | 686 | 272 | 1,228 | 27 | 193 |
| | 23-Aug | 3 | 5 | 0 | 0 | 741 | 3,999 | 114 | 926 | 614 | 2,666 | 15 | 104 |
| | 24-Aug | 3 | 7 | 0 | 0 | 1,015 | 5,536 | 129 | 1,069 | 382 | 1,656 | 18 | 133 |
| | 25-Aug | 3 | 9 | 0 | 0 | 954 | 5,195 | 80 | 746 | 414 | 1,791 | 31 | 216 |
| | 26-Aug | 3 | 8 | 0 | 0 | 1,032 | 5,565 | 155 | 1,421 | 158 | 719 | 16 | 126 |
| | 27-Aug | 3 | 7 | 0 | 0 | 860 | 4,665 | 127 | 1,119 | 308 | 1,405 | 31 | 219 |
| | 28-Aug | 3 | 7 | 0 | 0 | 868 | 4,666 | 171 | 1,452 | 282 | 1,319 | 41 | 266 |
| | 31-Aug | 3 | 9 | 0 | 0 | 2,804 | 14,208 | 144 | 1,276 | 121 | 558 | 42 | 338 |
| | 1-Sep | 4 | 10 | 0 | 0 | 2,111 | 10,804 | 149 | 1,359 | 132 | 624 | 36 | 275 |
| | 2-Sep | 3 | 6 | 0 | 0 | 1,174 | 6,313 | 64 | 604 | 124 | 574 | 15 | 128 |
| | 3-Sep | 4 | 7 | 0 | 0 | 497 | 2,664 | 130 | 1,237 | 108 | 484 | 7 | 50 |
| | 4-Sep | 3 | 5 | 0 | 0 | 303 | 1,557 | 70 | 695 | 39 | 172 | 9 | 81 |
| | 5-Sep | 5 | 5 | 0 | 0 | 315 | 1,722 | 35 | 337 | 26 | 131 | 6 | 44 |
| | 6-Sep | 4 | 6 | 0 | 0 | 432 | 2,287 | 51 | 423 | 13 | 72 | 13 | 89 |
| | 7-Sep | 3 | 4 | 0 | 0 | 371 | 1,962 | 36 | 333 | 6 | 33 | 10 | 74 |
| | 8-Sep | 3 | 3 | 0 | 0 | 143 | 767 | 40 | 397 | 11 | 52 | 12 | 79 |
| | 9-Sep [a] | | | | | | | | | | | | |
| | 10-Sep | 3 | 3 | 0 | 0 | 261 | 1,443 | 27 | 247 | 3 | 11 | 7 | 49 |
| | 11-Sep [a] | | | | | | | | | | | | |
| Total | | 16 | 339 | 0 | 0 | 41,183 | 214,122 | 2,471 | 21,422 | 25,641 | 123,097 | 794 | 6,492 |
| Average weight | | | | | 0.0 | | 5.2 | | 8.7 | | 4.8 | | 8.2 |
| Moser Bay Section (257-43) | 25-Jun | 5 | 6 | 0 | 0 | 1,296 | 6,237 | 0 | 0 | 0 | 0 | 13 | 141 |
| | 26-Jun | 8 | 11 | 0 | 0 | 1,423 | 6,704 | 1 | 5 | 0 | 0 | 13 | 107 |
| | 27-Jun | 6 | 7 | 0 | 0 | 1,516 | 6,911 | 0 | 0 | 1 | 3 | 9 | 81 |
| | 28-Jun | 6 | 13 | 0 | 0 | 1,599 | 7,355 | 1 | 5 | 0 | 0 | 8 | 69 |
| | 4-Jul | 7 | 8 | 0 | 0 | 871 | 4,190 | 0 | 0 | 8 | 27 | 22 | 152 |
| | 5-Jul | 8 | 12 | 0 | 0 | 1,206 | 5,684 | 0 | 0 | 8 | 31 | 33 | 244 |

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Appendix D3.–Page 3 of 7.

| Statistical Area | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Moser Bay Section (257-43) (cont.) | 6-Jul | 8 | 11 | 0 | 0 | 1,585 | 7,174 | 0 | 0 | 3 | 9 | 18 | 137 |
| | 7-Jul | 7 | 10 | 0 | 0 | 862 | 4,296 | 0 | 0 | 7 | 23 | 14 | 101 |
| | 8-Jul | 6 | 11 | 0 | 0 | 758 | 3,575 | 4 | 31 | 11 | 41 | 35 | 307 |
| | 13-Jul | 6 | 8 | 0 | 0 | 922 | 4,583 | 1 | 5 | 46 | 181 | 24 | 164 |
| | 14-Jul | 8 | 13 | 0 | 0 | 1,076 | 5,007 | 2 | 14 | 39 | 149 | 14 | 110 |
| | 15-Jul | 8 | 10 | 0 | 0 | 1,269 | 5,865 | 0 | 0 | 58 | 278 | 22 | 176 |
| | 19-Jul | 6 | 9 | 0 | 0 | 773 | 3,871 | 1 | 4 | 92 | 320 | 18 | 89 |
| | 20-Jul | 8 | 15 | 0 | 0 | 854 | 4,312 | 4 | 39 | 147 | 600 | 14 | 110 |
| | 21-Jul | 6 | 8 | 0 | 0 | 541 | 2,734 | 4 | 26 | 183 | 736 | 23 | 172 |
| | 22-Jul | 10 | 12 | 0 | 0 | 859 | 4,305 | 3 | 17 | 265 | 1,106 | 13 | 92 |
| | 23-Jul | 6 | 9 | 0 | 0 | 1,008 | 5,089 | 2 | 17 | 267 | 1,147 | 8 | 60 |
| | 4-Aug | 6 | 11 | 0 | 0 | 2,336 | 12,777 | 32 | 258 | 3,315 | 14,371 | 24 | 205 |
| | 5-Aug | 7 | 10 | 0 | 0 | 3,268 | 17,960 | 52 | 439 | 5,583 | 25,350 | 21 | 184 |
| | 6-Aug | 9 | 16 | 0 | 0 | 1,778 | 9,756 | 54 | 405 | 4,020 | 19,251 | 41 | 312 |
| | 7-Aug | 6 | 12 | 0 | 0 | 1,547 | 8,412 | 58 | 459 | 2,761 | 12,414 | 31 | 266 |
| | 8-Aug | 6 | 10 | 0 | 0 | 2,626 | 14,430 | 87 | 672 | 3,070 | 13,990 | 39 | 331 |
| | 9-Aug | 5 | 10 | 0 | 0 | 2,881 | 16,378 | 93 | 705 | 3,066 | 14,322 | 35 | 292 |
| | 10-Aug | 8 | 11 | 0 | 0 | 2,503 | 13,789 | 113 | 929 | 2,624 | 11,945 | 32 | 272 |
| | 13-Aug | 8 | 13 | 0 | 0 | 2,516 | 13,850 | 201 | 1,699 | 1,880 | 8,463 | 67 | 580 |
| | 14-Aug | 7 | 14 | 0 | 0 | 4,589 | 25,179 | 336 | 2,691 | 3,116 | 14,314 | 73 | 671 |
| | 15-Aug | 8 | 12 | 0 | 0 | 3,806 | 20,850 | 199 | 1,595 | 1,755 | 7,934 | 49 | 382 |
| | 16-Aug | 8 | 14 | 0 | 0 | 3,101 | 17,277 | 163 | 1,344 | 1,172 | 5,495 | 30 | 239 |
| | 17-Aug | 8 | 10 | 0 | 0 | 2,920 | 16,079 | 91 | 728 | 1,005 | 4,518 | 14 | 118 |
| | 18-Aug | 8 | 13 | 0 | 0 | 2,669 | 14,678 | 339 | 2,714 | 1,188 | 5,348 | 46 | 411 |
| | 19-Aug | 8 | 11 | 0 | 0 | 2,881 | 15,830 | 256 | 2,072 | 932 | 4,207 | 22 | 179 |
| | 22-Aug | 7 | 10 | 0 | 0 | 2,096 | 11,534 | 120 | 957 | 468 | 2,098 | 27 | 223 |
| | 23-Aug | 7 | 12 | 0 | 0 | 2,140 | 11,801 | 150 | 1,199 | 465 | 2,095 | 15 | 131 |
| | 24-Aug | 7 | 11 | 0 | 0 | 2,198 | 12,013 | 189 | 1,590 | 485 | 2,172 | 34 | 250 |
| | 25-Aug | 6 | 12 | 0 | 0 | 985 | 5,417 | 66 | 548 | 221 | 991 | 19 | 153 |

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Appendix D3.–Page 4 of 7.

| Statistical | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Moser Bay Section (257-43) (cont.) | 26-Aug | 7 | 9 | 0 | 0 | 1,583 | 8,698 | 118 | 950 | 217 | 984 | 8 | 56 |
| | 27-Aug | 6 | 14 | 0 | 0 | 2,444 | 13,416 | 307 | 2,480 | 359 | 1,663 | 37 | 295 |
| | 28-Aug | 8 | 10 | 0 | 0 | 2,275 | 12,485 | 244 | 2,020 | 271 | 1,226 | 19 | 147 |
| | 31-Aug | 6 | 9 | 0 | 0 | 1,868 | 10,270 | 146 | 1,187 | 107 | 387 | 31 | 256 |
| | 1-Sep | 8 | 17 | 0 | 0 | 2,663 | 14,749 | 259 | 2,080 | 203 | 697 | 32 | 240 |
| | 2-Sep | 8 | 10 | 0 | 0 | 1,775 | 9,568 | 246 | 1,976 | 171 | 616 | 26 | 203 |
| | 3-Sep | 6 | 12 | 0 | 0 | 632 | 3,476 | 118 | 923 | 51 | 194 | 20 | 151 |
| | 4-Sep | 5 | 6 | 0 | 0 | 752 | 4,138 | 123 | 992 | 36 | 128 | 16 | 121 |
| | 5-Sep | 4 | 7 | 0 | 0 | 499 | 2,733 | 74 | 591 | 18 | 61 | 21 | 166 |
| | 6-Sep | 3 | 6 | 0 | 0 | 781 | 4,218 | 49 | 434 | 13 | 43 | 14 | 87 |
| | 7-Sep | 4 | 10 | 0 | 0 | 427 | 2,351 | 53 | 453 | 12 | 45 | 12 | 88 |
| | 8-Sep | 3 | 4 | 0 | 0 | 389 | 2,124 | 20 | 161 | 11 | 50 | 11 | 70 |
| | 9-Sep [a] | | | | | | | | | | | | |
| | 10-Sep [a] | | | | | | | | | | | | |
| | 11-Sep [a] | | | | | | | | | | | | |
| Total | | 23 | 512 | 0 | 0 | 82,945 | 442,758 | 4,462 | 36,099 | 39,731 | 180,029 | 1,190 | 9,553 |
| Average weight | | | | | 0.0 | | 5.3 | | 8.1 | | 4.5 | | 8.0 |
| Alitak Bay Section (257-41) | 25-Jun | 5 | 5 | 0 | 0 | 1,549 | 7,008 | 1 | 5 | 5 | 12 | 35 | 322 |
| | 26-Jun | 8 | 9 | 0 | 0 | 904 | 4,377 | 0 | 0 | 10 | 28 | 60 | 506 |
| | 27-Jun | 7 | 7 | 1 | 20 | 1,633 | 7,936 | 0 | 0 | 19 | 54 | 70 | 585 |
| | 28-Jun | 7 | 11 | 0 | 0 | 1,531 | 7,080 | 1 | 4 | 4 | 12 | 53 | 378 |
| | 4-Jul | 6 | 6 | 0 | 0 | 783 | 3,990 | 0 | 0 | 13 | 42 | 58 | 386 |
| | 5-Jul | 9 | 11 | 0 | 0 | 944 | 4,552 | 0 | 0 | 27 | 83 | 48 | 374 |
| | 6-Jul | 8 | 11 | 0 | 0 | 915 | 4,630 | 0 | 0 | 25 | 91 | 47 | 387 |
| | 7-Jul | 8 | 10 | 0 | 0 | 647 | 3,229 | 3 | 15 | 59 | 181 | 50 | 389 |
| | 8-Jul | 7 | 7 | 0 | 0 | 659 | 3,505 | 6 | 36 | 89 | 310 | 83 | 644 |
| | 13-Jul | 6 | 6 | 0 | 0 | 347 | 1,873 | 16 | 98 | 157 | 672 | 48 | 343 |
| | 14-Jul | 9 | 12 | 0 | 0 | 1,157 | 6,052 | 4 | 19 | 244 | 883 | 117 | 872 |
| | 15-Jul | 8 | 9 | 0 | 0 | 654 | 3,009 | 2 | 18 | 131 | 554 | 98 | 794 |

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Appendix D3.–Page 5 of 7.

| Statistical Area | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Alitak Bay Section (257-41) (cont.) | 25-Jun | 5 | 5 | 0 | 0 | 1,549 | 7,008 | 1 | 5 | 5 | 12 | 35 | 322 |
| | 26-Jun | 8 | 9 | 0 | 0 | 904 | 4,377 | 0 | 0 | 10 | 28 | 60 | 506 |
| | 27-Jun | 7 | 7 | 1 | 20 | 1,633 | 7,936 | 0 | 0 | 19 | 54 | 70 | 585 |
| | 28-Jun | 7 | 11 | 0 | 0 | 1,531 | 7,080 | 1 | 4 | 4 | 12 | 53 | 378 |
| | 4-Jul | 6 | 6 | 0 | 0 | 783 | 3,990 | 0 | 0 | 13 | 42 | 58 | 386 |
| | 5-Jul | 9 | 11 | 0 | 0 | 944 | 4,552 | 0 | 0 | 27 | 83 | 48 | 374 |
| | 6-Jul | 8 | 11 | 0 | 0 | 915 | 4,630 | 0 | 0 | 25 | 91 | 47 | 387 |
| | 7-Jul | 8 | 10 | 0 | 0 | 647 | 3,229 | 3 | 15 | 59 | 181 | 50 | 389 |
| | 8-Jul | 7 | 7 | 0 | 0 | 659 | 3,505 | 6 | 36 | 89 | 310 | 83 | 644 |
| | 13-Jul | 6 | 6 | 0 | 0 | 347 | 1,873 | 16 | 98 | 157 | 672 | 48 | 343 |
| | 14-Jul | 9 | 12 | 0 | 0 | 1,157 | 6,052 | 4 | 19 | 244 | 883 | 117 | 872 |
| | 15-Jul | 8 | 9 | 0 | 0 | 654 | 3,009 | 2 | 18 | 131 | 554 | 98 | 794 |
| | 19-Jul | 6 | 7 | 0 | 0 | 864 | 4,354 | 8 | 67 | 318 | 1,414 | 68 | 604 |
| | 20-Jul | 12 | 15 | 0 | 0 | 1,462 | 7,325 | 24 | 176 | 853 | 3,329 | 89 | 702 |
| | 21-Jul | 7 | 12 | 0 | 0 | 1,161 | 5,799 | 37 | 295 | 951 | 4,257 | 61 | 480 |
| | 22-Jul | 9 | 12 | 0 | 0 | 776 | 3,902 | 68 | 514 | 1,306 | 4,819 | 100 | 780 |
| | 23-Jul | 11 | 11 | 0 | 0 | 964 | 4,946 | 43 | 304 | 1,385 | 5,766 | 114 | 834 |
| | 4-Aug | 8 | 10 | 0 | 0 | 1,252 | 6,913 | 18 | 168 | 2,846 | 12,422 | 52 | 463 |
| | 5-Aug | 10 | 16 | 0 | 0 | 1,701 | 9,497 | 48 | 408 | 4,920 | 21,680 | 71 | 593 |
| | 6-Aug | 8 | 10 | 0 | 0 | 485 | 2,652 | 24 | 185 | 1,710 | 7,815 | 60 | 527 |
| | 7-Aug | 5 | 6 | 0 | 0 | 632 | 3,522 | 27 | 232 | 1,210 | 5,454 | 34 | 311 |
| | 8-Aug | 9 | 12 | 0 | 0 | 1,578 | 8,491 | 43 | 360 | 3,049 | 13,495 | 80 | 651 |
| | 9-Aug | 8 | 11 | 0 | 0 | 682 | 3,670 | 28 | 199 | 1,567 | 7,086 | 41 | 348 |
| | 10-Aug | 10 | 13 | 0 | 0 | 1,693 | 9,248 | 67 | 533 | 3,710 | 15,910 | 126 | 1,098 |
| | 13-Aug | 7 | 7 | 0 | 0 | 1,129 | 6,174 | 98 | 828 | 1,314 | 5,777 | 93 | 794 |
| | 14-Aug | 7 | 10 | 0 | 0 | 1,404 | 7,571 | 79 | 677 | 1,309 | 5,476 | 114 | 958 |
| | 15-Aug | 6 | 10 | 0 | 0 | 2,206 | 11,905 | 81 | 659 | 1,305 | 5,501 | 103 | 895 |
| | 16-Aug | 7 | 10 | 0 | 0 | 1,608 | 7,980 | 52 | 446 | 693 | 2,770 | 56 | 484 |
| | 17-Aug | 5 | 5 | 0 | 0 | 770 | 3,694 | 43 | 362 | 281 | 1,337 | 44 | 381 |

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Appendix D3.–Page 6 of 7.

| Statistical Area | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Alitak Bay Section (257-41) (cont.) | 18-Aug [a] | | | | | | | | | | | | |
| | 19-Aug | 5 | 6 | 0 | 0 | 689 | 3,333 | 49 | 400 | 219 | 920 | 34 | 265 |
| | 22-Aug | 5 | 7 | 0 | 0 | 999 | 5,252 | 45 | 387 | 206 | 919 | 42 | 342 |
| | 23-Aug | 4 | 5 | 0 | 0 | 1,055 | 5,779 | 73 | 592 | 294 | 1,290 | 49 | 425 |
| | 24-Aug | 4 | 5 | 0 | 0 | 1,030 | 5,232 | 81 | 703 | 139 | 628 | 44 | 363 |
| | 25-Aug | 3 | 6 | 0 | 0 | 1,088 | 5,962 | 49 | 400 | 214 | 962 | 39 | 325 |
| | 26-Aug | 3 | 3 | 0 | 0 | 840 | 4,554 | 38 | 314 | 119 | 537 | 32 | 263 |
| | 27-Aug | 3 | 6 | 0 | 0 | 2,249 | 12,214 | 84 | 685 | 262 | 1,177 | 53 | 460 |
| | 28-Aug | 4 | 6 | 0 | 0 | 1,283 | 5,994 | 39 | 303 | 48 | 175 | 28 | 202 |
| | 31-Aug | 3 | 3 | 0 | 0 | 555 | 3,048 | 55 | 436 | 39 | 138 | 21 | 172 |
| | 1-Sep | 5 | 7 | 0 | 0 | 1,329 | 7,184 | 66 | 535 | 77 | 269 | 31 | 258 |
| | 2-Sep | 5 | 5 | 0 | 0 | 397 | 2,114 | 17 | 154 | 63 | 219 | 15 | 124 |
| | 3-Sep | 5 | 8 | 0 | 0 | 942 | 4,840 | 37 | 347 | 5 | 18 | 24 | 185 |
| | 4-Sep | 4 | 4 | 0 | 0 | 143 | 787 | 27 | 163 | 1 | 3 | 6 | 44 |
| | 5-Sep | 5 | 6 | 0 | 0 | 307 | 1,692 | 39 | 312 | 9 | 32 | 19 | 150 |
| | 6-Sep [a] | | | | | | | | | | | | |
| | 7-Sep | 4 | 5 | 0 | 0 | 250 | 1,577 | 23 | 218 | 3 | 11 | 5 | 40 |
| | 8-Sep | 4 | 4 | 0 | 0 | 237 | 1,307 | 4 | 37 | 2 | 8 | 5 | 42 |
| | 9-Sep | 5 | 7 | 0 | 0 | 321 | 2,028 | 4 | 35 | 1 | 6 | 0 | 0 |
| | 10-Sep [a] | | | | | | | | | | | | |
| | 11-Sep [a] | | | | | | | | | | | | |
| Total | | 19 | 380 | 1 | 20 | 46,087 | 239,347 | 1,564 | 12,730 | 31,317 | 134,931 | 2,528 | 20,601 |
| Average weight | | | | | 20.0 | | 5.2 | | 8.1 | | 4.3 | | 8.1 |
| Dog Salmon Flats Section (257-42) | 7-Aug | 3 | 5 | 0 | 0 | 353 | 1,288 | 2 | 12 | 670 | 3,353 | 4 | 35 |
| | 8-Aug | 3 | 5 | 0 | 0 | 276 | 1,206 | 34 | 226 | 1,048 | 5,215 | 1 | 6 |
| | 9-Aug [a] | | | | | | | | | | | | |
| | 10-Aug | 3 | 4 | 0 | 0 | 290 | 1,012 | 21 | 139 | 1,182 | 5,781 | 4 | 44 |
| | 11-Aug | 4 | 6 | 0 | 0 | 184 | 717 | 31 | 275 | 982 | 4,858 | 14 | 149 |
| | 12-Aug [a] | | | | | | | | | | | | |

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| Statistical Area | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Dog Salmon Flats Section (257-42) (cont.) | 20-Aug [a] | | | | | | | | | | | | |
| | 21-Aug [a] | | | | | | | | | | | | |
| | 22-Aug [a] | | | | | | | | | | | | |
| Total | | 7 | 30 | 0 | 0 | 1,335 | 5,225 | 183 | 1,519 | 5,173 | 25,553 | 63 | 564 |
| Average weight | | | | | 0.0 | | 4 | | 8 | | 5 | | 9 |
| Humpy-Deadman (257-50,60,70) | 8-Sep [a] | | | | | | | | | | | | |
| Total[a] | | | | | | | | | | | | | |
| Average weight | | | | | | | | | | | | | |
| Grand Total | | 43 | 1,262 | 1 | 20 | 171,557 | 901,491 | 8,711 | 72,019 | 101,862 | 463,610 | 4,576 | 37,218 |
| Average weight | | | | | 20.0 | | 5.3 | | 8.3 | | 4.6 | | 8.1 |

[a] Confidential.

Appendix D4.–Purse seine daily salmon harvest, by species and section, for the Alitak District, 2018.

| Statistical Area | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Cape Alitak | 25-Jun | 12 | 12 | 4 | 24 | 6,552 | 27,171 | 0 | 0 | 86 | 273 | 364 | 3,460 |
| Section | 26-Jun | 9 | 10 | 2 | 13 | 8,273 | 32,176 | 0 | 0 | 117 | 397 | 572 | 5,299 |
| (257-10 & 20) | 27-Jun | 6 | 6 | 4 | 32 | 2,875 | 11,880 | 3 | 16 | 76 | 246 | 210 | 1,754 |
| | 28-Jun | 3 | 3 | 0 | 0 | 959 | 4,626 | 2 | 11 | 8 | 30 | 69 | 514 |
| | 4-Jul | 9 | 9 | 17 | 136 | 3,818 | 23,048 | 7 | 74 | 142 | 497 | 953 | 7,120 |
| | 6-Jul | 7 | 7 | 1 | 12 | 2,900 | 15,088 | 9 | 54 | 191 | 664 | 551 | 4,094 |
| | 7-Jul [a] | | | | | | | | | | | | |
| | 8-Jul [a] | | | | | | | | | | | | |
| | 13-Jul | 4 | 4 | 22 | 372 | 8,497 | 36,013 | 36 | 230 | 3,502 | 13,208 | 1,029 | 7,532 |
| | 14-Jul [a] | | | | | | | | | | | | |
| | 19-Jul | 26 | 26 | 25 | 324 | 4,431 | 23,069 | 91 | 694 | 5,898 | 23,520 | 5,592 | 44,158 |
| | 20-Jul | 7 | 7 | 5 | 84 | 1,411 | 6,937 | 15 | 105 | 1,620 | 5,638 | 1,536 | 14,062 |
| | 21-Jul | 20 | 20 | 9 | 115 | 5,408 | 25,603 | 48 | 396 | 7,240 | 28,079 | 413 | 3,043 |
| | 22-Jul | 4 | 4 | 7 | 127 | 3,376 | 15,153 | 33 | 304 | 6,079 | 22,942 | 146 | 1,314 |
| | 23-Jul | 6 | 6 | 1 | 6 | 949 | 6,041 | 22 | 128 | 7,107 | 27,634 | 198 | 1,449 |
| | 4-Aug [a] | | | | | | | | | | | | |
| | 5-Aug [a] | | | | | | | | | | | | |
| | 7-Aug [a] | | | | | | | | | | | | |
| | 8-Aug [a] | | | | | | | | | | | | |
| | 9-Aug [a] | | | | | | | | | | | | |
| | 10-Aug | 6 | 6 | 9 | 104 | 830 | 4,152 | 380 | 3,684 | 5,852 | 24,496 | 135 | 1,014 |
| | 13-Aug [a] | | | | | | | | | | | | |
| | 14-Aug [a] | | | | | | | | | | | | |
| | 16-Aug [a] | | | | | | | | | | | | |
| | 17-Aug | 7 | 7 | 0 | 0 | 2,693 | 16,194 | 649 | 6,398 | 11,199 | 40,027 | 81 | 648 |
| | 19-Aug | 8 | 8 | 0 | 0 | 2,190 | 11,872 | 440 | 3,753 | 5,340 | 19,504 | 96 | 835 |
| | 22-Aug | 3 | 3 | 0 | 0 | 3,410 | 16,774 | 1,420 | 9,384 | 4,517 | 19,240 | 195 | 1,395 |
| | 23-Aug | 4 | 4 | 0 | 0 | 2,361 | 11,812 | 582 | 5,241 | 2,125 | 7,861 | 93 | 697 |
| | 24-Aug | 5 | 5 | 0 | 0 | 1,331 | 6,541 | 796 | 7,286 | 3,813 | 14,061 | 155 | 1,165 |

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Appendix D4.–Page 2 of 3.

| Statistical Area | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Cape Alitak | 25-Aug | 5 | 5 | 1 | 13 | 4,219 | 20,200 | 1,628 | 12,336 | 3,666 | 14,015 | 191 | 1,406 |
| Section | 26-Aug [a] | | | | | | | | | | | | |
| (257-10 & 20) | 28-Aug [a] | | | | | | | | | | | | |
| | 31-Aug [a] | | | | | | | | | | | | |
| | 1-Sep | 3 | 3 | 9 | 113 | 2,653 | 13,708 | 1,269 | 8,754 | 460 | 1,725 | 108 | 774 |
| | 2-Sep [a] | | | | | | | | | | | | |
| | 5-Sep [a] | | | | | | | | | | | | |
| | 15-Sep [a] | | | | | | | | | | | | |
| | 18-Sep [a] | | | | | | | | | | | | |
| | 21-Sep [a] | | | | | | | | | | | | |
| Total | | 48 | 180 | 219 | 2,962 | 97,763 | 457,286 | 11,076 | 91,989 | 116,551 | 450,910 | 15,084 | 120,774 |
| Average weight | | | | | 13.52 | | 4.68 | | 8.31 | | 3.87 | | 8.01 |
| Humpy-Deadman | 6-Jul [a] | | | | | | | | | | | | |
| Section | 7-Jul [a] | | | | | | | | | | | | |
| (257-50,60 & 70) | 15-Jul | 3 | 3 | 0 | 0 | 242 | 920 | 0 | 0 | 245 | 1,158 | 138 | 1,090 |
| | 23-Jul | 6 | 6 | 0 | 0 | 259 | 1,485 | 32 | 157 | 23,454 | 85,579 | 2,568 | 17,104 |
| | 24-Jul | 5 | 5 | 0 | 0 | 44 | 306 | 1 | 9 | 13,594 | 47,578 | 1,326 | 8,625 |
| | 25-Jul | 3 | 3 | 0 | 0 | 32 | 212 | 4 | 18 | 7,894 | 29,529 | 138 | 1,062 |
| | 4-Aug | 8 | 8 | 0 | 0 | 179 | 889 | 10 | 93 | 48,362 | 183,740 | 242 | 2,001 |
| | 5-Aug | 8 | 8 | 1 | 6 | 175 | 800 | 38 | 313 | 49,590 | 195,177 | 181 | 1,464 |
| | 6-Aug | 8 | 8 | 3 | 29 | 2,321 | 11,480 | 320 | 3,041 | 46,679 | 178,854 | 380 | 2,992 |
| | 7-Aug | 9 | 10 | 1 | 18 | 977 | 4,500 | 54 | 405 | 38,237 | 138,105 | 2,170 | 15,237 |
| | 13-Aug | 7 | 7 | 0 | 0 | 585 | 2,750 | 63 | 575 | 17,041 | 58,279 | 440 | 3,269 |
| | 14-Aug | 4 | 4 | 0 | 0 | 651 | 2,833 | 292 | 2,777 | 5,673 | 18,865 | 333 | 2,353 |
| | 15-Aug | 3 | 3 | 0 | 0 | 711 | 2,820 | 84 | 568 | 11,546 | 37,299 | 127 | 850 |
| | 16-Aug | 13 | 18 | 0 | 0 | 1,020 | 5,383 | 397 | 3,289 | 286,629 | 1,022,302 | 133 | 1,006 |
| | 17-Aug [a] | | | | | | | | | | | | |
| | 19-Aug | 3 | 3 | 0 | 0 | 81 | 409 | 16 | 140 | 4,829 | 18,221 | 7 | 61 |
| | 23-Aug [a] | | | | | | | | | | | | |

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| Statistical Area | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Humpy-Deadman Section (257-50,60 & 70) (cont.) | 25-Aug [a] | | | | | | | | | | | | |
| Total | | 26 | 93 | 6 | 57 | 8,208 | 39,323 | 1,616 | 14,007 | 562,073 | 2,048,184 | 9,643 | 67,048 |
| Average weight | | | | | 9.50 | | 4.79 | | 8.67 | | 3.64 | | 6.95 |
| Grand Total | | 50 | 268 | 225 | 3,019 | 105,971 | 496,609 | 12,692 | 105,996 | 678,624 | 2,499,093 | 24,727 | 187,821 |
| Average weight | | | | | 13.42 | | 4.69 | | 8.35 | | 3.68 | | 7.60 |

[a] Confidential.

Appendix D5.–Salmon harvest by gear type and species for the Alitak District, 2018.

| | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Seine | | | | | | | | | | | | | | |
| Total | 50 | 268 | 225 | 3,019 | 105,971 | 496,609 | 12,692 | 105,996 | 678,624 | 2,499,093 | 24,727 | 187,821 | 822,239 | 3,292,537 |
| Average weight | | | | 13.42 | | 4.69 | | 8.35 | | 3.68 | | 7.60 | | |
| Set Gillnet | | | | | | | | | | | | | | |
| Total | 43 | 1,225 | 1 | 20 | 171,557 | 901,491 | 8,711 | 72,019 | 101,862 | 463,610 | 4,576 | 37,218 | 286,707 | 1,474,358 |
| Average weight | | | | 20.00 | | 5.25 | | 8.27 | | 4.55 | | 8.13 | | |
| Year Total | 93 | 1,534 | 226 | 3,039 | 277,528 | 1,398,100 | 21,403 | 178,015 | 780,486 | 2,962,703 | 29,303 | 225,039 | 1,108,946 | 4,766,895 |
| Average weight | | | | 13.44 | | 5.04 | | 8.32 | | 3.80 | | 7.68 | | |

Appendix D6.–Commercial salmon harvest, by species with percent harvest by gear type, in the Alitak District, 1993–2018.

| | Chinook [a] | | | Sockeye [a] | | | Coho [a] | | | Pink [a] | | | Chum [a] | | | Total [a] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Number | GN% | PS% | Number | GN% | PS% | Number | GN% | PS% | Number | GN% | PS% | Number | GN% | PS% | Number | GN% | PS% |
| 1993 | 1,828 | 10% | 90% | 998,751 | 53% | 47% | 19,271 | 40% | 60% | 3,465,473 | 6% | 94% | 53,636 | 27% | 73% | 4,538,959 | 17% | 83% |
| 1994 | 1,946 | 8% | 92% | 931,328 | 54% | 46% | 32,312 | 44% | 56% | 1,120,832 | 9% | 91% | 112,191 | 18% | 82% | 2,198,609 | 29% | 71% |
| 1995 | 848 | 15% | 85% | 1,674,169 | 47% | 53% | 19,000 | 47% | 53% | 7,065,939 | 6% | 94% | 105,224 | 17% | 83% | 8,865,180 | 14% | 86% |
| 1996 | 569 | 18% | 82% | 1,458,215 | 54% | 46% | 35,529 | 47% | 53% | 553,424 | 39% | 61% | 65,250 | 29% | 71% | 2,112,987 | 49% | 51% |
| 1997 | 291 | 31% | 69% | 685,635 | 59% | 41% | 33,549 | 41% | 59% | 955,253 | 15% | 85% | 85,710 | 34% | 66% | 1,760,438 | 33% | 67% |
| 1998 | 1,487 | 6% | 94% | 1,003,245 | 57% | 43% | 32,185 | 47% | 53% | 1,704,581 | 26% | 74% | 40,554 | 40% | 60% | 2,782,052 | 37% | 63% |
| 1999 | 271 | 12% | 88% | 633,579 | 70% | 30% | 13,126 | 74% | 26% | 1,353,933 | 12% | 88% | 79,000 | 16% | 84% | 2,079,909 | 30% | 70% |
| 2000 | 433 | 10% | 90% | 558,674 | 57% | 43% | 10,131 | 51% | 49% | 243,161 | 30% | 70% | 67,189 | 17% | 83% | 879,588 | 47% | 53% |
| 2001 | 651 | 11% | 89% | 461,785 | 64% | 36% | 2,471 | 24% | 76% | 1,439,930 | 7% | 93% | 52,521 | 21% | 79% | 1,957,358 | 26% | 74% |
| 2002 | 13 | 0% | 100% | 14,575 | 0% | 100% | 1,060 | 0% | 100% | 1,078,120 | 0% | 100% | 10,164 | 0% | 100% | 1,103,932 | 0% | 100% |
| 2003 | 298 | 3% | 97% | 341,402 | 67% | 33% | 10,592 | 45% | 55% | 497,822 | 18% | 82% | 31,866 | 22% | 78% | 881,980 | 38% | 62% |
| 2004 | 1,316 | 4% | 96% | 1,156,539 | 61% | 39% | 15,897 | 54% | 46% | 1,420,188 | 24% | 76% | 38,348 | 40% | 60% | 2,632,288 | 41% | 59% |
| 2005 | 602 | 8% | 92% | 777,905 | 60% | 40% | 6,977 | 56% | 44% | 4,193,022 | 4% | 96% | 22,839 | 40% | 60% | 5,001,027 | 87% | 13% |
| 2006 | 55 | 7% | 93% | 86,286 | 76% | 24% | 4,449 | 63% | 37% | 2,872,970 | 5% | 95% | 46,904 | 5% | 95% | 3,010,664 | 7% | 93% |
| 2007 | 23 | 26% | 74% | 85,469 | 80% | 20% | 2,456 | 62% | 38% | 474,016 | 15% | 85% | 47,931 | 9% | 91% | 609,895 | 24% | 76% |
| 2008 | 265 | 3% | 97% | 743,052 | 63% | 37% | 15,390 | 17% | 83% | 712,242 | 22% | 88% | 78,694 | 7% | 93% | 1,549,643 | 41% | 59% |
| 2009 | 204 | 4% | 96% | 631,312 | 64% | 36% | 7,883 | 40% | 60% | 3,996,164 | 3% | 97% | 72,497 | 10% | 90% | 4,708,060 | 11% | 89% |
| 2010 | 158 | 3% | 97% | 116,065 | 79% | 21% | 14,585 | 25% | 75% | 146,363 | 44% | 56% | 18,843 | 20% | 80% | 296,014 | 55% | 45% |
| 2011 | 2,633 | 1% | 99% | 318,208 | 56% | 44% | 6,094 | 21% | 79% | 4,896,501 | 1% | 99% | 44,699 | 17% | 83% | 5,268,135 | 5% | 95% |
| 2012 | 224 | 3% | 97% | 361,287 | 54% | 46% | 3,044 | 35% | 65% | 1,563,557 | 10% | 90% | 26,896 | 12% | 88% | 1,955,008 | 18% | 82% |
| 2013 | 646 | 1% | 99% | 223,126 | 60% | 40% | 4,056 | 41% | 59% | 2,664,435 | 1% | 99% | 34,324 | 8% | 92% | 2,926,587 | 6% | 94% |
| 2014 | 194 | 5% | 95% | 254,517 | 52% | 48% | 4,260 | 28% | 72% | 661,789 | 9% | 91% | 13,601 | 34% | 66% | 934,361 | 22% | 78% |
| 2015 | 1,554 | 1% | 99% | 364,946 | 37% | 63% | 19,847 | 17% | 83% | 5,812,572 | 1% | 99% | 52,682 | 17% | 83% | 6,251,601 | 4% | 96% |
| 2016 | 377 | 8% | 92% | 183,295 | 47% | 53% | 7,686 | 23% | 77% | 182,615 | 20% | 80% | 12,197 | 45% | 55% | 386,170 | 29% | 71% |
| 2017 | 223 | 0% | 100% | 214,898 | 54% | 46% | 17,284 | 33% | 67% | 3,415,116 | 8% | 92% | 117,849 | 12% | 88% | 3,765,370 | 21% | 79% |
| 2018 | 226 | 0% | 100% | 277,528 | 62% | 38% | 21,403 | 41% | 59% | 780,486 | 13% | 87% | 29,303 | 16% | 84% | 1,108,946 | 26% | 74% |
| Averages [b] | | | | | | | | | | | | | | | | | | |
| 1993–2017 | 418 | 18% | 80% | 489,372 | 63% | 37% | 12,823 | 45% | 55% | 1,556,638 | 19% | 81% | 57,326 | 24% | 76% | 2,116,571 | 30% | 70% |
| 2008–2017 | 648 | 3% | 97% | 341,071 | 57% | 43% | 10,013 | 28% | 72% | 2,405,135 | 12% | 89% | 47,228 | 18% | 82% | 2,804,095 | 21% | 79% |

*Note:* GN = gillnet; PS = purse seine

[a] ADF&G test fish harvest is not included.

[b] The harvest during 1989 is not included in averages because of fishery restrictions and unusual fishing patterns due to the M/V *Exxon Valdez* oil spill.

# APPENDIX E. WESTSIDE FISHERY SUMMARY

Appendix E1.–Narrative account of the Westside Kodiak salmon fisheries in the Kodiak Management Area, 2018.

## INTRODUCTION

### Westside Kodiak Harvest Strategy

The *Westside Kodiak Salmon Management Plan* is the result of long-term management strategies that were initially implemented in 1971 and placed into regulation in 1990. Placing the management plan in regulation clarified the management strategy and helped maintain the biological integrity of local salmon stocks while alleviating allocative concerns of local fishermen (Prokopowich et al. 1991).

The intent of this management plan is to harvest salmon bound to local systems in traditional fisheries. Due to the mixing of various local salmon stocks during inshore migration, the plan is complex, but it provides a predictable framework for the harvest of sockeye, pink, chum, and coho salmon stocks from the west side of Kodiak. The plan is in effect for the entire salmon season and covers the Southwest and Northwest Kodiak districts, as well as the Southwest Afognak Section (Appendix E2). The management plan guides the prosecution of early- and late-run sockeye salmon fisheries, including those targeting the major systems of Karluk and Ayakulik and other minor sockeye salmon systems, as well as local pink, chum, and coho salmon fisheries.

### The Northwest Kodiak District and Southwest Afognak Section

The Northwest Kodiak District and the Southwest Afognak Section can be broken up into 2 distinct areas: the outer cape areas and the inner bays. The Central, North Cape, and Southwest Afognak sections consist of the outer capes between Rocky Point in the west, Cape Paramanof in the north, and Monashka Bay in the east. The inner bays consist of 8 bays in the Northwest Kodiak District: Anton Larsen, Sharatin, Kizhuyak, Terror, Inner Uganik, Spiridon, Zachar, and Inner Uyak bays (Appendix E2).

### The Central, North Cape, and Southwest Afognak Sections

The Central Section is open to seine and set gillnet gear types. The Southwest Afognak and North Cape sections are only open to seine gear. In June these areas are opened and closed based on Karluk Lake early-run sockeye salmon escapement. From June 1 to June 15, ADF&G is directed to open 2 mandatory 33-hour fishing periods. The Southwest Afognak Section can only open for one 33-hour fishing period from June 1 to June 15. From June 15 to July 5, openings are based on the early-run sockeye salmon returning to Karluk Lake.

The pink salmon fishery opens on July 6, and the length of the initial weekly fishing periods is based on the current year's (wild stock) pink salmon forecast. During the peak pink salmon harvest period, from late July to mid-August, fishing periods are adjusted to match the actual strength of pink salmon returning to systems within the Northwest Kodiak District. However, the Southwest Afognak Section is also tied to the allocative considerations of the *North Shelikof Strait Sockeye Salmon Management Plan* between July 6 and July 25 and has a harvest cap of 50,000 sockeye salmon.

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From approximately August 16 to August 24, the Central, North Cape, and Southwest Afognak sections are opened and closed based on both Karluk Lake late-run sockeye and pink salmon returning to the major systems of the Northwest Kodiak District and Southwest Afognak Section. From August 25 to September 5, these areas are managed based on late-run sockeye salmon returning to Karluk. After September 5, the fishery is managed both on late-run sockeye salmon returning to Karluk and coho salmon returning to the major systems of the Northwest Kodiak District and Southwest Afognak Section. This blended management has allowed for the protection of both Northwest Kodiak District and Southwest Afognak Section pink salmon, as well as Karluk Lake sockeye salmon.

### Northwest Kodiak District Inner Bays

The inner bays of the Northwest Kodiak District are open to seine gear only. From June 1 to June 15, ADF&G is directed to open 2 mandatory 33-hour fishing periods at the same time as those in the Central and North Cape sections. From June 16 to July 5, openings are based on local sockeye and early-run chum salmon returning to each individual section.

From July 6 to July 31, the inner bays are opened to commercial salmon fishing based on local sockeye, pink, and early-run chum salmon returning to each section. The lengths of the initial weekly fishing periods are based on the current year's (wild stock) pink salmon forecast. However, the inner bays may be closed due to weak early-run chum or sockeye salmon escapement. Openings from August 1 to August 24 are based on pink and late-run chum salmon returning to each individual section. From August 25 to September 5 fishery openings are based on local pink, late-run chum, and coho salmon returning to each individual section. After September 5, openings are based only on coho salmon.

### The Southwest Kodiak District

The Southwest Kodiak District is a seine gear only area and extends from Low Cape in the south to Rocky Point in the north. The Southwest Kodiak District can be broken down into 3 different areas: Inner and Outer Karluk sections in the north, Inner and Outer Ayakulik sections in the south, and the Halibut Bay and Sturgeon sections between the two. Management decisions within the Inner and Outer Karluk sections are primarily determined by salmon returning to the Karluk system. The Inner and Outer Ayakulik sections are managed on salmon returning to the Ayakulik system. The Halibut Bay and Sturgeon sections are managed based on a mixture of Ayakulik, Karluk, and local salmon stocks. Both the Karluk and Ayakulik systems have very defined even-year-dominant pink salmon runs (Donnelly 1983; Eggers et al. 1991). Differences in system dynamics between even and odd years in July has resulted in different management practices depending on the relative pink salmon run strength within a year.

### Inner and Outer Karluk Sections

From June 1 to July 15, the Inner and Outer Karluk sections are opened based on early-run sockeye salmon returning to Karluk Lake. However, the Inner Karluk Section cannot be opened during this timeframe unless ADF&G determines that the midpoint of the early-run Karluk sockeye salmon escapement goal is met.

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In odd years, from July 16 to August 24, Inner and Outer Karluk sections' commercial salmon fishing periods are based on late-run sockeye salmon. In even years, openings are based on both late-run sockeye salmon and pink salmon returns. Openings from August 25 to September 5 are based on late-run Karluk Lake sockeye salmon. After September 5, openings are based on both late-run sockeye and coho salmon returning to the Karluk system.

### Inner and Outer Ayakulik sections

From June 1 to July 15, commercial salmon fishing periods within the Inner and Outer Ayakulik sections are based on early-run sockeye salmon returning to Red Lake (Ayakulik River). In odd years, from July 16 to August 24, fishing periods are based on late-run sockeye salmon run strength. In even years during this timeframe, Inner and Outer Ayakulik sections fishing periods are based on late-run sockeye salmon and pink salmon run strengths. After approximately August 24, fishing periods are based on coho salmon returning to the Ayakulik system.

### Sturgeon and Halibut Bay Sections

The Sturgeon and Halibut Bay sections are closed from June 1 to June 22 because of mixed Karluk, Ayakulik, and Olga Bay sockeye salmon stocks present at this time. From June 23 to July 15, openings are based on early-run sockeye salmon returning to Ayakulik and Karluk lakes. However, the Sturgeon River has one of the largest documented chum salmon runs in the Kodiak Management Area, and this early-run chum salmon system must also be taken into consideration when opening the Sturgeon Section during this time frame. From July 16 to August 24 in either even or odd years, fishing periods are determined based on Ayakulik or Karluk late-run sockeye salmon or pink salmon. After August 25, fishing periods are based on Karluk and Ayakulik late-run sockeye salmon run strength, as well as local coho salmon stocks.

### 2018 Westside Kodiak Fisheries

ADF&G's preseason salmon forecasts predicted a surplus (in excess of escapement needs) of early-run sockeye salmon returning to Karluk Lake (192,000 fish), Frazer Lake (102,000 fish), Ayakulik River (193,000,000 fish), and early-run Upper Station (14,000 fish; Brenner et al. 2018).

The Karluk early-run sockeye salmon biological escapement goal (BEG) is 150,000 to 250,000 fish. The 2018 targeted sockeye salmon escapement for Karluk Lake early-run was 200,000 fish. The Ayakulik early-run sockeye salmon sustainable escapement goal (SEG) is 140,000 to 280,000 fish. The 2018 targeted sockeye salmon escapement for the Ayakulik early run was 210,000 fish.

The Karluk late-run sockeye salmon BEG is 200,000 to 450,000 fish. The 2018 targeted sockeye salmon escapement of 325,000 fish for Karluk Lake late run was based on a maximum sustained yield calculation (Schaberg et al. 2016). The Ayakulik late-run sockeye salmon SEG is 60,000 to 120,000 fish. The 2018 targeted sockeye salmon escapement of 90,000 fish for the Ayakulik late run was based on a maximum sustained yield calculation (Schaberg et al. 2016).

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**Karluk Early Run**

The Karluk River weir was fish tight on May 18 (Fuerst 2019). Due to weak early escapement, the first commercial test fishing period in the Northwest Kodiak District was delayed until June 9 for a total of 57 hours. The resulting harvest indicated a below average amount of sockeye salmon traveling along the Westside fishery and the fishery closed for several days. Through June 13, 124,518 sockeye salmon had passed the Karluk River weir, which was average (Fuerst 2019). The Central and North Cape sections of the Northwest Kodiak District and the Southwest Afognak Section of the Afognak District opened on June 14 for the second commercial salmon test fishing period for 57 hours.

Although sockeye salmon harvest on the Westside fishery was below average due to sufficient Karluk early-run sockeye salmon escapement (Fuerst 2019) the Central and North Cape sections of the Northwest Kodiak District as well as the Southwest Afognak Section of the Afognak District were extended for 72 hours. By regulation, from June 16 through July 15 fishing periods in the Outer Karluk Section shall occur at the same time as fishing periods in the Central Section. The Outer Karluk Section of the Southwest Kodiak District opened for 81 hours on June 16. Westside Kodiak sockeye salmon sockeye salmon harvest remained below average and the fishery shut down on June 19.

After a 5-day closure the Karluk-early run sockeye salmon escapement continued to have sufficient escapement (Fuerst 2019) and the department opened the Outer Karluk Section of the Southwest Kodiak District, the Central and North Cape sections of the Northwest Kodiak District as well as the Southwest Afognak Section of the Afognak District for 81 hours on June 25. Westside Kodiak sockeye salmon sockeye salmon harvest remained below average and the fishery closed on June 28.

After a 3-day closure the Karluk-early run sockeye salmon escapement continued to have sufficient escapement (Fuerst 2019) and the department opened the Outer Karluk Section of the Southwest Kodiak District, the Central and North Cape sections of the Northwest Kodiak District as well as the Southwest Afognak Section of the Afognak District for 81 hours on July 2. Although sockeye salmon harvest numbers continued to be below average the fishery was extended until the end of the first general pink salmon opening on July 8.

The 2018 Karluk Lake early-run sockeye salmon escapement of 198,877 fish (Fuerst 2019) was within the escapement goal range of 150,000 to 250,000 fish (Schaberg et al. 2016). From June 1 to July 15, approximately 139,292 sockeye salmon were harvested in the Westside fishery opened based on Karluk early-run sockeye (Table 9). Of this harvest, approximately 42,474 fish were estimated to be of Karluk Lake origin (Wattum 2019).

**Pink Salmon Run**

On July 6, the Northwest Kodiak District and the Southwest Afognak Section of the Afognak District opened to commercial salmon fishing for 57 hours based on the weak preseason wild stock pink salmon harvest estimate of only 3.5 million fish. The Outer Karluk Section also reopened due to sufficient Karluk early-run sockeye salmon escapement (Fuerst 2019). The Sturgeon Section of the Southwest Kodiak District remained closed due to weak early chum salmon escapement. Pink salmon harvests for the first pink salmon fishing period were well below average.

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After a four-and-a-half-day closure, the majority of the Westside reopened for 57 hours on July 13. The Northwest Kodiak District inner bays of Kizhuyak Bay and Zachar Bay were kept closed due to below-average chum salmon escapement. The Inner Uganik Bay Section remained closed due weak sockeye salmon escapement. Pink salmon harvests from the second pink salmon fishing period were well below average and recent aerial surveys also indicated very weak early pink salmon escapement and no pink salmon in several of the inner bays on the Westside of Kodiak.

Due to the record low abundance of pink salmon (similar to the extremely weak 2016 run), the majority of the KMA including the Westside of Kodiak remained closed for the next scheduled commercial pink salmon opening as a recent aerial survey indicated below-average pink salmon escapement to the Northwest Kodiak District.

After a seven-day closure for most of the KMA, the majority of the Northwest Kodiak District and the Southwest Afognak Section of the Afognak District opened for 57 hours on July 23. The Kizhuyak Bay and Zachar Bay sections remained closed due to weak chum salmon escapement. The Inner Uganik Bay Section remained closed due to weak sockeye salmon escapement. The Inner and Outer Karluk sections remained closed due to weak late-run sockeye escapement. The Sturgeon Bay Section remained closed due to weak pink salmon escapement. Pink salmon harvest on the Westside of Kodiak was below average and aerial surveys again indicated very weak early pink salmon escapement to all the major systems and the Westside fishery.

The department flew the Westside of Kodiak several times between July 25 and August 4. Very few of the major systems of the Northwest Kodiak District had improved. Many still indicated record low pink salmon abundance. After a 9-day closure the Central, North Cape, Uyak Bay, Spiridon Bay, Inner Uganik Bay, and Anton Larsen Bay sections of the Northwest Kodiak District and the Southwest Afognak Section of the Afognak District opened for 57 hours on August 4. Sharatin Bay, Kizhuyak Bay, Terror Bay, and Zachar Bay sections all remained closed due to weak pink salmon escapement. An aerial survey on August 1 indicated a very large buildup of pink salmon in Karluk Lagoon in excess of half a million fish. The Outer Karluk Section of the Southwest also opened for 57 hours on August 4.

By August 5, pink salmon harvest on the Westside was still below average; however, a substantial buildup of pink salmon was observed in Karluk Lagoon. The Outer Karluk Section of the Southwest Kodiak District, the Central, North Cape, Uyak Bay, Spiridon Bay, Inner Uganik Bay and Anton Larsen Bay sections of the Northwest Kodiak, and the Southwest Afognak Section of the Afognak District were extended until August 10.

Through August 7, 881,836 pink salmon had escaped past Karluk River weir. An aerial survey around the same time also indicated a large amount of pink salmon still in Karluk Lagoon. The department opened the Inner Karluk Section of the Southwest Kodiak District for 9 hours on August 8. The Sturgeon and Halibut Bay sections of the Southwest Kodiak District also opened on August 8 and were extended through August 10. With the exception of Karluk River, the remainder of the Westside of Kodiak still had very poor pink salmon escapement and the fishery closed on August 10.

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The 2018 Kodiak Area pink salmon run was very weak. A total of 473,600 pink salmon escaped in the Northwest Kodiak District, within the even year objective of 315,000 to 945,000 fish (Fuerst 2019). A total of 2,903,291 pink salmon escaped in the Southwest Kodiak District above the escapement objective of 1,250,000 to 2,550,000 fish (Fuerst 2019). However, it should be noted that 2,275,207 of that escapement was at Karluk, and both the major systems of Sturgeon River and Ayakulik River did not meet their respective escapement objectives.

**Karluk Late Run**

In the previous pink salmon opening (August 4-10) the Westside sockeye salmon harvest was well above average. Through August 15, 68,984 late-run sockeye salmon had passed Karluk River weir (Fuerst 2019) and a large buildup of both sockeye salmon and pink salmon were still in Karluk Lagoon. During this timeframe the Halibut Bay, Sturgeon, and Inner and Outer Karluk sections of the Southwest Kodiak District are all managed based on late-run sockeye returning to the Karluk system. During this timeframe the Central and North Cape Sections of the Northwest Kodiak District and the Southwest Afognak Section of the Afognak District are managed based on late-run sockeye returning to the Karluk system, and pink salmon returning to the major systems of the Northwest Kodiak District. The Halibut Bay, Sturgeon, Outer Karluk, Central and North Cape, and the Southwest Afognak Section of the Afognak District opened to commercial salmon fishing for 54 hours on August 16.

Both Karluk late-run sockeye salmon escapement and Westside sockeye salmon harvest continued to be above average and the majority of the Westside was extended through the end of the salmon season.

The Karluk late-run sockeye salmon escapement of 434,402 fish was within the desired escapement goal range of 200,000 to 450,000 fish (Schaberg et al. 2016), and the Westside post-July 15 sockeye salmon harvest was approximately 1,017,021 sockeye salmon, which included an estimated 658,372 Karluk late-run sockeye salmon (Wattum *In prep*).

**Ayakulik**

The Ayakulik River weir was fish tight on May 25 (Fuerst 2019). The 2018 Ayakulik early-run sockeye salmon run was again weak, and prior to July 15 only 2 short fishing periods were allowed in the Outer Ayakulik Section of the Southwest Kodiak District. Through July 15, the cumulative Ayakulik early-run sockeye salmon escapement of 189,008 fish (Fuerst 2019) was within the escapement goal range of 140,000 to 280,000 fish (Schaberg et al. 2016).

The 2018 Ayakulik late-run sockeye salmon run was not sufficient to allow commercial salmon fishing openers in the Inner or Outer Ayakulik sections of the Southwest Kodiak District from July 15 through August 22. Through weir removal on August 25, the cumulative late-run Ayakulik sockeye salmon escapement of 77,325 fish was within the escapement goal range of 60,000 to 120,000 fish (Schaberg et al. 2016).

The total sockeye salmon escapement through the Ayakulik weir was 266,333 fish (Fuerst 2019), and was within the combined early- and late-run escapement goals (200,000 to 400,000 fish; Schaberg et al. 2016). For the season, only 118,095 sockeye salmon were harvested based on Ayakulik sockeye salmon (Table 9).

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In 2018, there were a total of 4,056 landings made in Westside Kodiak management units (Southwest Afognak to Ayakulik[1]) consisting of a total commercial harvest of 3,643,523 salmon, including 1,911 Chinook, 1,398,751 sockeye, 191,060 coho, 1,868,851 pink, and 182,950 chum salmon (Appendix E3). There were 138 seine permit holders that made 1,687 landings with a harvest of 1,584 Chinook, 1,116,124 sockeye, 154,699 coho, 1,526,913 pink, and 134,633 chum salmon (Appendix E4). There were 97 set gillnet permit holders that made 2,369 landings for 327 Chinook, 282,627sockeye, 36,361 coho, 341,938 pink, and 48,317 chum salmon. Commercial salmon harvests, by gear type, for individual Westside Kodiak management units can be found in Appendices E5 and E6.

[1] Westside Kodiak salmon harvest totals in Appendix E do not include salmon taken in the Spiridon Bay Special Harvest Area (SBSHA). Sockeye salmon from an enhancement project return to this area. SBSHA is managed under a separate plan; see Appendix H for a description of the SBSHA fishery. These tables do include sockeye salmon destined for Spiridon Bay that were caught outside the SBSHA in the Westside fishery. These totals also do not include salmon taken in Settler Cove (259-35). Commercial fisheries in Settler Cove are managed under a separate plan.

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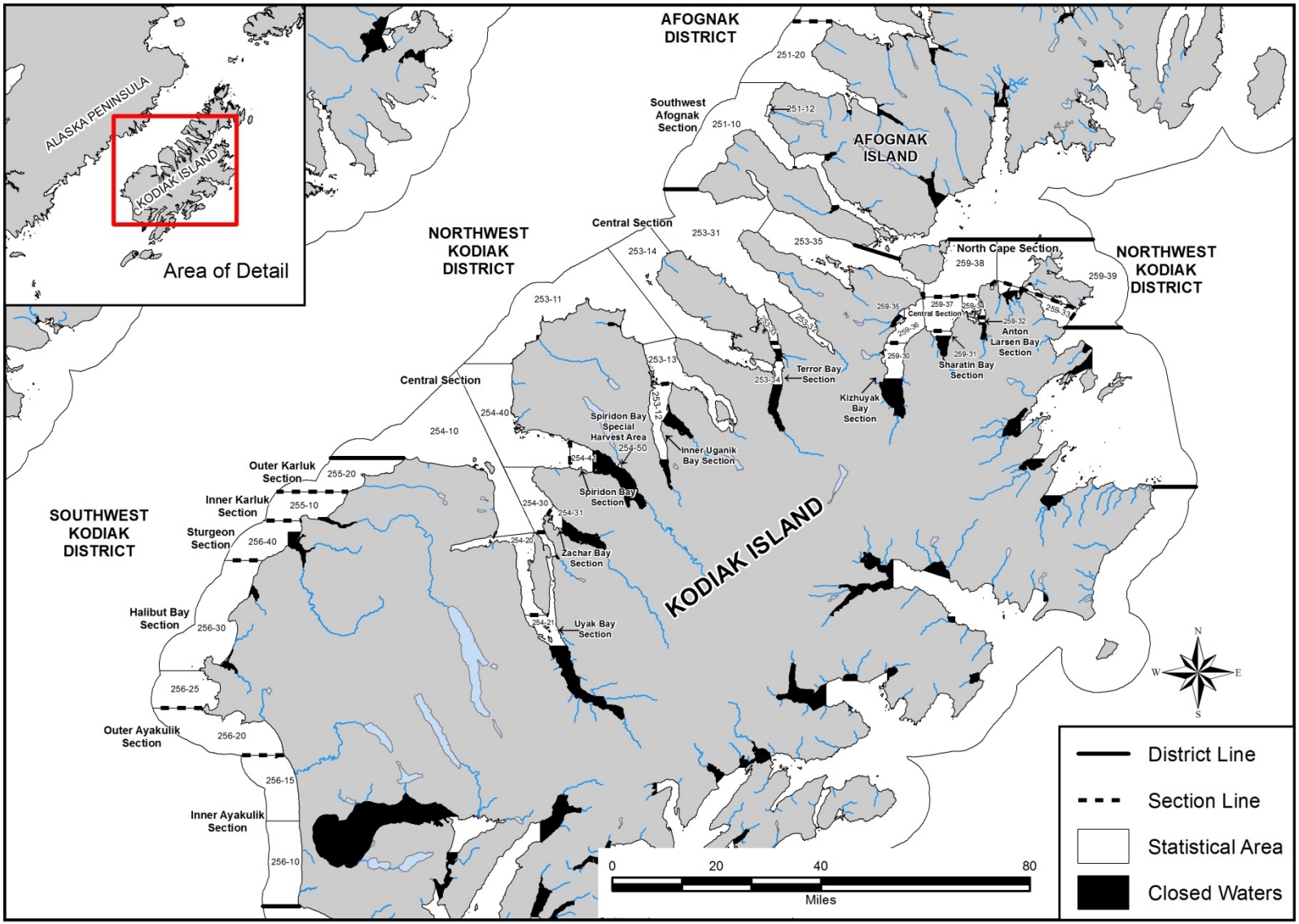
Appendix E2.–Map of the west side of Kodiak Island, including Southwest Kodiak and Northwest Kodiak districts and the Southwest Afognak Section of the Afognak District.



Appendix E3.–Commercial salmon harvest, by species, for Westside management units in the Kodiak Management Area, 1990–2018.

| | | | Number of Salmon | | | | | |
|---|---|---|---|---|---|---|---|---|
| Year | Permits | Landings | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1990 | 455 | 12,604 | 12,090 | 3,383,351 | 176,475 | 3,674,278 | 218,883 | 7,465,077 |
| 1991 | 434 | 11,957 | 11,780 | 2,842,802 | 179,852 | 5,588,982 | 346,193 | 8,969,609 |
| 1992 | 429 | 11,121 | 17,238 | 2,306,791 | 128,737 | 1,538,305 | 302,779 | 4,293,850 |
| 1993 | 406 | 12,106 | 21,019 | 2,426,540 | 124,497 | 10,344,080 | 300,571 | 13,216,707 |
| 1994 | 350 | 8,024 | 16,930 | 1,236,314 | 135,365 | 3,873,574 | 329,281 | 5,591,464 |
| 1995 | 369 | 13,104 | 13,819 | 2,071,281 | 147,204 | 21,025,711 | 722,649 | 23,980,664 |
| 1996 | 328 | 7,808 | 10,437 | 2,536,733 | 71,984 | 1,780,755 | 365,034 | 4,764,943 |
| 1997 | 334 | 7,752 | 11,152 | 1,412,061 | 108,459 | 6,520,085 | 214,730 | 8,266,487 |
| 1998 | 290 | 9,623 | 13,886 | 2,220,631 | 163,102 | 12,335,360 | 176,636 | 14,909,615 |
| 1999 | 317 | 8,494 | 12,794 | 2,733,598 | 104,806 | 4,114,397 | 267,329 | 7,232,924 |
| 2000 | 306 | 7,554 | 9,382 | 1,600,248 | 111,908 | 5,343,028 | 379,439 | 7,444,005 |
| 2001 | 265 | 6,799 | 18,301 | 1,613,978 | 143,681 | 3,687,193 | 381,083 | 5,844,236 |
| 2002 | 228 | 5,365 | 14,911 | 1,178,677 | 166,321 | 9,442,576 | 250,137 | 11,052,622 |
| 2003 | 227 | 7,508 | 13,765 | 2,973,555 | 156,308 | 5,406,272 | 329,512 | 8,879,412 |
| 2004 | 225 | 8,919 | 23,744 | 2,413,242 | 259,500 | 14,756,880 | 604,428 | 18,057,794 |
| 2005 | 204 | 6,671 | 11,034 | 1,457,611 | 183,158 | 6,178,927 | 243,153 | 8,073,883 |
| 2006 | 211 | 8,252 | 16,139 | 1,200,137 | 249,668 | 20,198,535 | 402,146 | 22,066,625 |
| 2007 | 219 | 6,865 | 13,373 | 1,511,395 | 167,153 | 8,718,322 | 219,554 | 10,629,797 |
| 2008 | 199 | 3,387 | 13,124 | 634,056 | 92,170 | 3,732,346 | 223,658 | 4,695,354 |
| 2009 | 197 | 3,505 | 1,621 | 577,893 | 57,363 | 4,936,956 | 353,915 | 5,927,748 |
| 2010 | 235 | 2,982 | 6,061 | 640,336 | 75,327 | 3,837,741 | 227,171 | 4,786,636 |
| 2011 | 222 | 2,438 | 4,676 | 507,603 | 58,970 | 955,492 | 134,701 | 1,661,442 |
| 2012 | 250 | 5,780 | 5,858 | 1,021,551 | 127,529 | 9,555,127 | 334,333 | 11,044,398 |
| 2013 | 241 | 5,080 | 12,702 | 1,483,699 | 106,994 | 5,103,909 | 241,555 | 6,948,859 |
| 2014 | 271 | 5,701 | 4,940 | 2,348,820 | 182,890 | 2,603,984 | 160,406 | 5,301,040 |
| 2015 | 257 | 6,953 | 4,534 | 2,094,753 | 247,564 | 12,488,343 | 484,559 | 15,319,753 |
| 2016 | 237 | 4,326 | 3,253 | 1,109,165 | 133,375 | 1,421,142 | 204,317 | 2,871,252 |
| 2017 | 244 | 7,910 | 4,612 | 1,760,513 | 232,102 | 16,482,110 | 519,676 | 18,999,013 |
| 2018 | 235 | 4,056 | 1,911 | 1,398,751 | 191,060 | 1,868,851 | 182,950 | 3,643,523 |
| Average | | | | | | | | |
| 2008–2017 | 235 | 4,806 | 6,138 | 1,217,839 | 131,428 | 6,111,715 | 288,429 | 7,755,550 |
| 1990–2017 | 315 | 7,358 | 9,114 | 1,455,340 | 126,911 | 6,885,085 | 312,472 | 8,788,922 |

*Note:* Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District (except the Spiridon Bay Special Harvest Area and Settler Cove), and the Southwest Kodiak District. Harvest numbers do not include test fish harvests or commercial harvest retained for personal use.

Appendix E4.–Commercial salmon harvest, by gear type and species, for Westside management units, 2018.

| Gear | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Seine | 138 | 1,687 | 1,584 | 10,765 | 1,116,124 | 5,618,048 | 154,699 | 1,283,006 | 1,526,913 | 5,818,621 | 134,633 | 1,153,601 | 2,933,953 | 13,884,041 |
| Average weight | | | | 6.80 | | 5.03 | | 8.29 | | 3.81 | | 8.57 | | |
| Set Gillnet | 97 | 2,369 | 327 | 3,129 | 282,627 | 1,538,534 | 36,361 | 286,434 | 341,938 | 1,314,284 | 48,317 | 409,288 | 709,570 | 3,551,669 |
| Average weight | | | | 9.57 | | 5.44 | | 7.88 | | 3.84 | | 8.47 | | |
| Grand total | 235 | 4,056 | 1,911 | 13,894 | 1,398,751 | 7,156,582 | 191,060 | 1,569,440 | 1,868,851 | 7,132,905 | 182,950 | 1,562,889 | 3,643,523 | 17,435,710 |
| Average weight | | | | 7.27 | | 5.12 | | 8.21 | | 3.82 | | 8.54 | | |

*Note*: Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District (except for the Spiridon Bay Special Harvest Area and Settler Cove Special Harvest Area), and the Southwest Kodiak District. Harvest numbers do not include test fish harvests or commercial harvest retained for personal use.

Appendix E5.–Seine daily salmon harvest, by species, for the Westside Management Plan units, 2018.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Southwest | 14-Jun [a] | | | | | | | | | | | | |
| Afognak | 15-Jun [a] | | | | | | | | | | | | |
| Section | 19-Jun [a] | | | | | | | | | | | | |
| | 25-Jun | 3 | 3 | 6 | 48 | 198 | 532 | 0 | 0 | 14 | 57 | 150 | 1,444 |
| | 2-Jul | 10 | 10 | 2 | 13 | 879 | 4,104 | 14 | 104 | 308 | 1,079 | 596 | 4,707 |
| | 3-Jul | 4 | 4 | 0 | 0 | 379 | 1,758 | 3 | 18 | 149 | 514 | 132 | 1,081 |
| | 4-Jul | 5 | 5 | 0 | 0 | 124 | 544 | 0 | 0 | 52 | 184 | 57 | 496 |
| | 13-Jul [a] | | | | | | | | | | | | |
| | 14-Jul [a] | | | | | | | | | | | | |
| | 15-Jul [a] | | | | | | | | | | | | |
| | 23-Jul [a] | | | | | | | | | | | | |
| | 4-Aug | 6 | 6 | 24 | 157 | 3,497 | 16,997 | 1,503 | 10,369 | 16,494 | 66,525 | 553 | 4,131 |
| | 5-Aug [a] | | | | | | | | | | | | |
| | 6-Aug [a] | | | | | | | | | | | | |
| | 7-Aug [a] | | | | | | | | | | | | |
| | 8-Aug [a] | | | | | | | | | | | | |
| | 9-Aug | 3 | 3 | 23 | 122 | 277 | 1,497 | 312 | 2,432 | 7,489 | 26,219 | 54 | 393 |
| | 10-Aug | 3 | 3 | 0 | 0 | 659 | 2,944 | 677 | 4,321 | 5,745 | 23,300 | 84 | 525 |
| | 16-Aug [a] | | | | | | | | | | | | |
| | 17-Aug [a] | | | | | | | | | | | | |
| | 20-Aug | 4 | 4 | 8 | 63 | 937 | 4,620 | 1,513 | 14,051 | 12,331 | 38,893 | 125 | 1,149 |
| | 21-Aug | 4 | 4 | 4 | 52 | 500 | 2,633 | 438 | 4,162 | 4,866 | 15,529 | 70 | 569 |
| | 22-Aug | 4 | 4 | 0 | 0 | 307 | 1,486 | 972 | 7,664 | 737 | 3,196 | 39 | 252 |
| | 23-Aug | 3 | 3 | 0 | 0 | 388 | 1,893 | 963 | 8,073 | 508 | 2,168 | 27 | 179 |
| | 24-Aug [a] | | | | | | | | | | | | |
| | 25-Aug | 4 | 4 | 1 | 11 | 523 | 2,348 | 1,095 | 8,505 | 686 | 2,741 | 28 | 204 |
| | 27-Aug [a] | | | | | | | | | | | | |
| | 28-Aug [a] | | | | | | | | | | | | |
| | 3-Sep [a] | | | | | | | | | | | | |
| | 5-Sep [a] | | | | | | | | | | | | |
| | 10-Sep [a] | | | | | | | | | | | | |

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| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Southwest | 12-Sep [a] | | | | | | | | | | | | |
| Afognak | 19-Sep [a] | | | | | | | | | | | | |
| Section (cont.) | | | | | | | | | | | | | |
| Total | | 33 | 82 | 104 | 801 | 13,787 | 65,952 | 14,877 | 117,780 | 69,340 | 255,492 | 3,093 | 23,519 |
| Average weight | | | | | 7.7 | | 4.8 | | 7.9 | | 3.7 | | 7.6 |
| Northwest | 9-Jun | 14 | 14 | 1 | 3 | 4,422 | 19,309 | 1 | 4 | 13 | 37 | 478 | 3,351 |
| Kodiak | 10-Jun | 4 | 4 | 4 | 20 | 941 | 4,390 | 0 | 0 | 3 | 10 | 78 | 652 |
| District[b] | 11-Jun | 8 | 8 | 2 | 10 | 1,527 | 5,791 | 0 | 0 | 1 | 3 | 76 | 696 |
| | 14-Jun | 11 | 11 | 8 | 36 | 1,495 | 7,086 | 0 | 0 | 60 | 186 | 485 | 4,686 |
| | 15-Jun | 10 | 10 | 1 | 7 | 1,608 | 7,677 | 12 | 120 | 120 | 371 | 638 | 6,324 |
| | 16-Jun | 8 | 8 | 0 | 0 | 1,918 | 9,391 | 0 | 0 | 172 | 655 | 1,962 | 10,400 |
| | 17-Jun | 7 | 7 | 1 | 3 | 1,503 | 6,998 | 2 | 8 | 101 | 386 | 612 | 4,988 |
| | 18-Jun | 5 | 5 | 0 | 0 | 905 | 4,737 | 0 | 0 | 68 | 268 | 865 | 7,352 |
| | 19-Jun [a] | | | | | | | | | | | | |
| | 25-Jun | 9 | 9 | 4 | 36 | 348 | 1,404 | 0 | 0 | 38 | 142 | 728 | 6,200 |
| | 26-Jun | 6 | 6 | 10 | 63 | 279 | 1,284 | 0 | 0 | 39 | 121 | 649 | 6,696 |
| | 27-Jun | 9 | 9 | 0 | 0 | 703 | 2,958 | 15 | 87 | 90 | 287 | 912 | 7,645 |
| | 28-Jun | 7 | 7 | 0 | 0 | 449 | 2,051 | 8 | 44 | 60 | 211 | 461 | 3,482 |
| | 2-Jul | 32 | 32 | 94 | 470 | 8,951 | 44,179 | 40 | 279 | 1,356 | 4,343 | 6,921 | 61,938 |
| | 3-Jul | 11 | 11 | 37 | 236 | 1,860 | 9,747 | 28 | 188 | 1,266 | 4,018 | 5,153 | 43,985 |
| | 4-Jul | 9 | 9 | 2 | 6 | 2,486 | 12,166 | 8 | 54 | 497 | 1,684 | 1,311 | 9,936 |
| | 5-Jul | 6 | 6 | 26 | 52 | 2,013 | 9,409 | 8 | 45 | 1,574 | 5,152 | 2,849 | 24,716 |
| | 6-Jul | 24 | 24 | 22 | 159 | 7,308 | 31,389 | 39 | 331 | 1,109 | 4,405 | 2,819 | 24,795 |
| | 7-Jul | 9 | 9 | 70 | 301 | 1,406 | 7,412 | 14 | 95 | 761 | 2,473 | 1,565 | 15,209 |
| | 8-Jul | 14 | 14 | 4 | 30 | 1,654 | 8,231 | 119 | 854 | 694 | 2,417 | 1,748 | 15,307 |
| | 13-Jul | 40 | 40 | 61 | 382 | 18,891 | 89,067 | 1,448 | 9,540 | 18,718 | 65,546 | 12,586 | 109,451 |
| | 14-Jul | 11 | 11 | 42 | 325 | 5,929 | 29,628 | 652 | 4,512 | 8,978 | 31,879 | 5,749 | 61,892 |
| | 15-Jul | 31 | 32 | 19 | 173 | 6,776 | 33,024 | 1,063 | 7,429 | 9,963 | 34,443 | 10,231 | 89,388 |
| | 23-Jul | 38 | 39 | 12 | 100 | 6,485 | 26,920 | 1,896 | 13,464 | 25,950 | 100,816 | 30,055 | 253,613 |
| | 24-Jul | 20 | 21 | 6 | 47 | 1,336 | 5,579 | 164 | 1,325 | 6,938 | 26,497 | 6,679 | 64,136 |

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Appendix E5.–Page 3 of 7.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Northwest | 25-Jul | 19 | 19 | 3 | 23 | 1,046 | 4,978 | 119 | 867 | 3,847 | 14,811 | 1,796 | 15,493 |
| Kodiak | 4-Aug | 37 | 41 | 155 | 1,105 | 19,513 | 101,373 | 4,754 | 34,576 | 185,087 | 714,249 | 3,103 | 25,508 |
| District [b] | 5-Aug | 24 | 26 | 40 | 360 | 14,576 | 72,863 | 3,566 | 30,070 | 128,549 | 506,460 | 2,592 | 20,033 |
| (cont.) | 6-Aug | 20 | 20 | 11 | 90 | 8,707 | 40,077 | 1339 | 9260.25 | 106,492 | 433,908 | 1,393 | 11,091 |
| | 7-Aug | 21 | 24 | 33 | 222 | 8,044 | 39,856 | 1626 | 12749 | 144,409 | 545,594 | 1,075 | 8,719 |
| | 8-Aug | 13 | 15 | 9 | 136 | 6,587 | 31,565 | 1300 | 10058 | 87,108 | 334,691 | 793 | 6,824 |
| | 9-Aug | 17 | 17 | 39 | 344 | 2,236 | 11,030 | 1584 | 10458.8 | 49,367 | 196,660 | 505 | 3,451 |
| | 10-Aug | 27 | 27 | 60 | 230 | 5,869 | 33,265 | 1,463 | 11,561 | 22,550 | 87,938 | 322 | 2,400 |
| | 16-Aug | 12 | 12 | 5 | 44 | 5,226 | 27,488 | 2,634 | 19,020 | 16,022 | 60,465 | 908 | 8,319 |
| | 17-Aug | 6 | 6 | 7 | 96 | 3,357 | 14,351 | 1,674 | 11,567 | 8,834 | 29,000 | 285 | 1,948 |
| | 18-Aug | 4 | 4 | 0 | 0 | 371 | 1,605 | 370 | 3,062 | 2,145 | 8,899 | 98 | 596 |
| | 19-Aug | 12 | 12 | 1 | 10 | 10,379 | 56,059 | 1,685 | 13,497 | 9,616 | 34,943 | 173 | 1,291 |
| | 20-Aug | 13 | 13 | 6 | 42 | 10,035 | 50,062 | 2,128 | 18,042 | 12,474 | 47,558 | 272 | 2,099 |
| | 21-Aug | 18 | 18 | 21 | 145 | 19,203 | 92,542 | 2,128 | 17,601 | 10,581 | 34,760 | 381 | 2,758 |
| | 22-Aug | 14 | 14 | 0 | 0 | 15,677 | 81,059 | 2,589 | 22,627 | 11,100 | 45,413 | 299 | 2,464 |
| | 23-Aug | 15 | 15 | 3 | 5 | 17,215 | 88,443 | 2,624 | 19,970 | 13,229 | 49,739 | 312 | 2,236 |
| | 24-Aug | 23 | 23 | 5 | 26 | 17,249 | 89,000 | 3,899 | 29,420 | 9,451 | 34,648 | 392 | 3,039 |
| | 25-Aug | 20 | 20 | 3 | 13 | 4,217 | 20,450 | 2,509 | 20,363 | 3,703 | 14,499 | 566 | 4,172 |
| | 26-Aug | 16 | 16 | 4 | 25 | 9,596 | 51,864 | 1,934 | 15,175 | 2,472 | 9,276 | 114 | 771 |
| | 27-Aug | 28 | 29 | 20 | 132 | 18,400 | 92,848 | 4,874 | 39,831 | 4,987 | 16,887 | 265 | 1,980 |
| | 28-Aug | 13 | 13 | 0 | 0 | 5,801 | 27,513 | 1,403 | 12,275 | 988 | 3,324 | 50 | 364 |
| | 29-Aug | 23 | 23 | 1 | 5 | 8,149 | 41,898 | 2,275 | 17,122 | 1,788 | 5,893 | 79 | 522 |
| | 30-Aug | 5 | 5 | 0 | 0 | 868 | 3,788 | 720 | 5,782 | 1,409 | 5,362 | 10 | 65 |
| | 31-Aug | 20 | 21 | 1 | 20 | 10,043 | 54,442 | 1,624 | 13,937 | 818 | 2,757 | 61 | 399 |
| | 1-Sep | 11 | 11 | 0 | 0 | 2,649 | 13,015 | 1,212 | 9,529 | 578 | 1,978 | 67 | 439 |
| | 2-Sep | 20 | 20 | 7 | 37 | 13,013 | 68,247 | 3,388 | 30,885 | 967 | 3,502 | 116 | 800 |
| | 3-Sep | 11 | 11 | 0 | 0 | 6,437 | 31,358 | 1,782 | 14,279 | 335 | 1,163 | 71 | 535 |
| | 4-Sep | 11 | 11 | 0 | 0 | 3,435 | 19,122 | 1,145 | 10,050 | 177 | 605 | 19 | 135 |
| | 5-Sep | 6 | 6 | 1 | 7 | 2,055 | 10,163 | 775 | 6,063 | 65 | 252 | 9 | 57 |
| | 6-Sep | 8 | 8 | 2 | 16 | 4,768 | 23,371 | 1,093 | 10,601 | 116 | 402 | 19 | 137 |
| | 7-Sep | 3 | 3 | 0 | 0 | 404 | 1,903 | 421 | 3,433 | 10 | 31 | 3 | 19 |

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Appendix E5.–Page 4 of 7.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Northwest | 8-Sep | 6 | 6 | 0 | 0 | 1,600 | 7,379 | 1,568 | 13,212 | 87 | 278 | 59 | 431 |
| Kodiak | 9-Sep [a] | | | | | | | | | | | | |
| District [b] | 10-Sep | 6 | 6 | 0 | 0 | 703 | 3,518 | 694 | 6,635 | 4 | 15 | 2 | 15 |
| (cont.) | 11-Sep [a] | | | | | | | | | | | | |
| | 12-Sep | 6 | 6 | 0 | 0 | 1,065 | 5,964 | 810 | 6,776 | 0 | 0 | 2 | 9 |
| | 13-Sep [a] | | | | | | | | | | | | |
| | 14-Sep | 4 | 4 | 0 | 0 | 1,947 | 10,987 | 592 | 6,355 | 1 | 3 | 1 | 5 |
| | 15-Sep [a] | | | | | | | | | | | | |
| | 16-Sep [a] | | | | | | | | | | | | |
| | 18-Sep | 9 | 9 | 0 | 0 | 7,527 | 38,403 | 274 | 2,667 | 1 | 4 | 10 | 72 |
| | 19-Sep [a] | | | | | | | | | | | | |
| | 20-Sep | 4 | 4 | 0 | 0 | 2,596 | 13,136 | 43 | 492 | 0 | 0 | 0 | 0 |
| | 21-Sep [a] | | | | | | | | | | | | |
| | 22-Sep [a] | | | | | | | | | | | | |
| | 23-Sep [a] | | | | | | | | | | | | |
| | 24-Sep [a] | | | | | | | | | | | | |
| | 25-Sep [a] | | | | | | | | | | | | |
| Total | | 126 | 902 | 868 | 5,619 | 362,126 | 1,808,602 | 71,139 | 568,363 | 917,953 | 3,532,372 | 111,848 | 966,146 |
| Average weight | | | | | 6.5 | | 5.0 | | 8.0 | | 3.8 | | 8.6 |
| Inner and Outer | 16-Jun | 13 | 13 | 11 | 89 | 1,980 | 8,551 | 0 | 0 | 9 | 31 | 323 | 2,860 |
| Karluk Section | 17-Jun | 7 | 9 | 30 | 246 | 3,145 | 13,311 | 0 | 0 | 1 | 2 | 183 | 1,448 |
| | 18-Jun | 5 | 5 | 3 | 14 | 1,064 | 5,251 | 0 | 0 | 5 | 17 | 153 | 1,170 |
| | 25-Jun [a] | | | | | | | | | | | | |
| | 2-Jul | 6 | 6 | 13 | 82 | 1,436 | 6,302 | 0 | 0 | 55 | 169 | 181 | 1,379 |
| | 7-Jul [a] | | | | | | | | | | | | |
| | 8-Jul [a] | | | | | | | | | | | | |
| | 13-Jul | 5 | 5 | 22 | 137 | 3,140 | 15,696 | 64 | 428 | 3,464 | 12,486 | 500 | 3,614 |
| | 15-Jul | 6 | 6 | 3 | 24 | 1,000 | 4,916 | 273 | 1,909 | 1,920 | 8,069 | 371 | 3,192 |
| | 4-Aug | 16 | 19 | 85 | 419 | 19,857 | 101,482 | 1,273 | 10,073 | 73,062 | 296,985 | 903 | 6,869 |
| | 5-Aug | 9 | 9 | 31 | 287 | 10,049 | 49,778 | 529 | 4,448 | 48,105 | 163,670 | 369 | 3,034 |
| | 6-Aug | 5 | 6 | 12 | 79 | 7,407 | 37,859 | 274 | 2,480 | 32,399 | 114,729 | 118 | 1,009 |

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Appendix E5.–Page 5 of 7.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Inner and Outer | 8-Aug | 6 | 6 | 4 | 38 | 6,279 | 30,732 | 331 | 3,069 | 16,564 | 64,084 | 77 | 468 |
| Karluk Section | 9-Aug | 17 | 21 | 1 | 6 | 44,894 | 223,382 | 475 | 3,933 | 119,315 | 465,701 | 116 | 979 |
| | 10-Aug | 5 | 5 | 2 | 10 | 3,331 | 17,543 | 464 | 3,538 | 6,124 | 21,348 | 35 | 279 |
| | 16-Aug | 13 | 13 | 0 | 0 | 17,596 | 83,611 | 1,724 | 16,785 | 14,741 | 58,921 | 111 | 842 |
| | 17-Aug | 7 | 7 | 0 | 0 | 7,707 | 35,418 | 1,524 | 12,615 | 6,403 | 26,051 | 87 | 633 |
| | 19-Aug | 10 | 10 | 0 | 0 | 14,071 | 66,616 | 495 | 4,176 | 5,118 | 20,406 | 31 | 245 |
| | 20-Aug | 7 | 7 | 10 | 85 | 12,297 | 73,531 | 1,330 | 12,706 | 5,284 | 22,216 | 109 | 934 |
| | 21-Aug | 6 | 6 | 0 | 0 | 5,587 | 30,087 | 498 | 4,483 | 2,398 | 9,395 | 49 | 396 |
| | 22-Aug | 8 | 9 | 7 | 23 | 12,598 | 66,351 | 744 | 6,254 | 2,918 | 11,641 | 35 | 201 |
| | 23-Aug | 13 | 13 | 1 | 8 | 28,227 | 145,579 | 1,500 | 14,089 | 5,936 | 22,865 | 40 | 294 |
| | 24-Aug | 20 | 21 | 0 | 0 | 26,594 | 138,904 | 2,497 | 22,923 | 5,138 | 20,119 | 71 | 493 |
| | 25-Aug | 15 | 15 | 0 | 0 | 21,248 | 113,661 | 2,241 | 19,352 | 3,834 | 13,542 | 65 | 503 |
| | 26-Aug [a] | | | | | | | | | | | | |
| | 27-Aug | 17 | 17 | 2 | 36 | 24,277 | 131,107 | 1,424 | 11,360 | 2,913 | 9,873 | 30 | 212 |
| | 28-Aug | 7 | 7 | 2 | 7 | 4,045 | 20,194 | 885 | 7,523 | 508 | 1,982 | 31 | 188 |
| | 29-Aug | 20 | 20 | 10 | 112 | 9,991 | 57,164 | 1,971 | 16,041 | 1,626 | 5,831 | 30 | 188 |
| | 30-Aug [a] | | | | | | | | | | | | |
| | 31-Aug | 13 | 13 | 0 | 0 | 8,476 | 42,618 | 1,499 | 14,433 | 702 | 2,625 | 67 | 440 |
| | 1-Sep | 11 | 11 | 0 | 0 | 4,380 | 22,039 | 1,096 | 9,350 | 370 | 1,205 | 36 | 283 |
| | 2-Sep | 18 | 20 | 1 | 7 | 10,585 | 56,621 | 2,062 | 19,410 | 443 | 1,662 | 44 | 347 |
| | 3-Sep | 9 | 9 | 0 | 0 | 3,311 | 18,134 | 1,143 | 9,283 | 157 | 553 | 10 | 66 |
| | 4-Sep | 23 | 23 | 0 | 0 | 20,378 | 98,858 | 3,324 | 30,366 | 285 | 1,143 | 41 | 261 |
| | 5-Sep | 9 | 9 | 0 | 0 | 13,886 | 70,397 | 2,192 | 17,343 | 192 | 640 | 27 | 187 |
| | 6-Sep | 13 | 13 | 0 | 0 | 11,298 | 61,500 | 1,553 | 13,798 | 128 | 482 | 30 | 187 |
| | 7-Sep | 7 | 7 | 0 | 0 | 7,342 | 34,039 | 879 | 6,702 | 46 | 168 | 9 | 73 |
| | 8-Sep | 15 | 15 | 0 | 0 | 19,987 | 98,365 | 1,970 | 18,198 | 162 | 581 | 22 | 162 |
| | 9-Sep | 6 | 7 | 0 | 0 | 4,614 | 23,185 | 488 | 4,253 | 18 | 64 | 8 | 58 |
| | 10-Sep | 7 | 7 | 0 | 0 | 5,555 | 29,850 | 541 | 5,710 | 20 | 73 | 3 | 22 |
| | 11-Sep | 19 | 19 | 0 | 0 | 12,038 | 63,937 | 1,489 | 12,928 | 47 | 148 | 8 | 53 |
| | 12-Sep | 19 | 20 | 0 | 0 | 14,006 | 69,525 | 1,327 | 12,497 | 38 | 135 | 43 | 316 |
| | 13-Sep | 6 | 6 | 0 | 0 | 5,513 | 31,511 | 257 | 2,398 | 10 | 37 | 10 | 54 |

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Appendix E5.–Page 6 of 7.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Inner and Outer Karluk Section | 14-Sep | 15 | 15 | 0 | 0 | 13,330 | 66,881 | 793 | 6,790 | 25 | 95 | 22 | 166 |
| (cont.) | 15-Sep | 7 | 7 | 1 | 12 | 7,434 | 46,702 | 400 | 4,025 | 18 | 65 | 2 | 17 |
| | 16-Sep | 17 | 17 | 0 | 0 | 13,940 | 71,729 | 1,133 | 10,345 | 14 | 49 | 30 | 204 |
| | 17-Sep [a] | | | | | | | | | | | | |
| | 18-Sep | 13 | 13 | 0 | 0 | 12,018 | 61,792 | 461 | 4,212 | 8 | 28 | 16 | 122 |
| | 19-Sep [a] | | | | | | | | | | | | |
| | 20-Sep | 12 | 12 | 0 | 0 | 8,056 | 42,126 | 329 | 3,137 | 0 | 0 | 3 | 25 |
| | 21-Sep [a] | | | | | | | | | | | | |
| | 22-Sep | 9 | 9 | 0 | 0 | 7,496 | 38,331 | 527 | 4,824 | 0 | 0 | 5 | 37 |
| | 23-Sep [a] | | | | | | | | | | | | |
| | 25-Sep | 3 | 3 | 3 | 18 | 3,227 | 16,485 | 266 | 1,913 | 0 | 0 | 11 | 70 |
| | 26-Sep [a] | | | | | | | | | | | | |
| Total | | 85 | 523 | 258 | 1,762 | 503,351 | 2,582,777 | 44,761 | 394,382 | 361,464 | 1,383,036 | 5,216 | 41,536 |
| Average weight | | | | | 6.8 | | 5.1 | | 8.8 | | 3.8 | | 8.0 |
| Remainder of Southwest Kodiak District | 25-Jun | 15 | 15 | 29 | 252 | 9,665 | 44,676 | 1 | 5 | 136 | 468 | 845 | 6,622 |
| | 26-Jun | 4 | 4 | 0 | 0 | 1,804 | 7,741 | 0 | 0 | 14 | 47 | 141 | 1,130 |
| | 27-Jun | 15 | 15 | 15 | 97 | 21,768 | 97,429 | 0 | 0 | 619 | 2,308 | 4,746 | 35,690 |
| (256-10, 15, 20 | 28-Jun | 6 | 6 | 0 | 0 | 3,128 | 15,762 | 4 | 14 | 160 | 490 | 874 | 8,937 |
| 25, 30, 40) | 4-Jul | 12 | 12 | 43 | 321 | 7,654 | 34,440 | 8 | 52 | 511 | 1,739 | 568 | 5,027 |
| | 6-Jul | 9 | 9 | 45 | 299 | 7,273 | 34,925 | 64 | 443 | 2,257 | 7,041 | 1,915 | 18,020 |
| | 7-Jul | 4 | 4 | 4 | 27 | 3,203 | 13,424 | 8 | 50 | 972 | 4,147 | 263 | 2,479 |
| | 8-Jul | 4 | 4 | 18 | 63 | 3,559 | 16,171 | 48 | 318 | 1,524 | 4,751 | 332 | 2,873 |
| | 13-Jul | 20 | 20 | 68 | 377 | 36,372 | 176,981 | 228 | 1,616 | 13,633 | 47,554 | 2,851 | 27,664 |
| | 14-Jul | 4 | 4 | 7 | 43 | 3,545 | 19,849 | 0 | 0 | 4,560 | 15,823 | 379 | 2,543 |
| | 15-Jul | 9 | 9 | 19 | 108 | 5,576 | 28,520 | 64 | 464 | 5,956 | 19,165 | 481 | 3,829 |
| | 9-Aug | 3 | 3 | 21 | 203 | 5,786 | 28,564 | 333 | 2,959 | 21,464 | 91,632 | 113 | 750 |
| | 10-Aug | 6 | 6 | 0 | 0 | 6,355 | 32,506 | 424 | 3,494 | 54,280 | 179,345 | 231 | 1,614 |
| | 16-Aug | 14 | 15 | 19 | 171 | 23,813 | 115,091 | 4,203 | 35,516 | 35,927 | 136,684 | 136 | 1,028 |
| | 17-Aug [a] | | | | | | | | | | | | |
| | 18-Aug | 7 | 7 | 0 | 0 | 6,404 | 32,898 | 1,136 | 8,583 | 8,310 | 33,487 | 56 | 386 |

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| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Remainder of Southwest Kodiak District cont. (256-10, 15, 20 25, 30, 40) | 19-Aug | 5 | 5 | 0 | 0 | 6,452 | 32,018 | 290 | 2,391 | 3,694 | 13,645 | 19 | 155 |
| | 22-Aug | 7 | 7 | 0 | 0 | 6,219 | 31,690 | 1,485 | 13,113 | 3,623 | 14,472 | 39 | 313 |
| | 23-Aug | 25 | 25 | 0 | 0 | 22,852 | 124,474 | 5,483 | 49,385 | 12,789 | 47,254 | 100 | 616 |
| | 24-Aug | 4 | 4 | 2 | 12 | 3,267 | 15,976 | 733 | 6,560 | 947 | 3,653 | 32 | 194 |
| | 31-Aug | 4 | 4 | 17 | 123 | 3,942 | 20,041 | 724 | 6,344 | 419 | 1,640 | 39 | 281 |
| | 1-Sep | 4 | 4 | 0 | 0 | 5,542 | 24,217 | 876 | 7,173 | 424 | 1,476 | 31 | 188 |
| | 2-Sep | 3 | 3 | 0 | 0 | 3,087 | 17,002 | 731 | 4,839 | 291 | 902 | 4 | 28 |
| | 3-Sep | 6 | 6 | 1 | 12 | 7,681 | 35,184 | 1,485 | 10,333 | 293 | 1,042 | 53 | 330 |
| | 4-Sep | 5 | 5 | 0 | 0 | 4,151 | 21,589 | 1,017 | 8,697 | 141 | 560 | 63 | 463 |
| | 5-Sep [a] | | | | | | | | | | | | |
| | 6-Sep | 7 | 7 | 28 | 320 | 8,705 | 42,501 | 1,351 | 12,034 | 214 | 777 | 53 | 458 |
| | 7-Sep [a] | | | | | | | | | | | | |
| | 8-Sep | 4 | 4 | 0 | 0 | 2,320 | 11,476 | 384 | 3,458 | 30 | 106 | 10 | 75 |
| | 10-Sep | 5 | 5 | 0 | 0 | 4,924 | 23,445 | 836 | 7,134 | 71 | 212 | 34 | 214 |
| | 11-Sep [a] | | | | | | | | | | | | |
| | 12-Sep [a] | | | | | | | | | | | | |
| | 13-Sep [a] | | | | | | | | | | | | |
| | 14-Sep [a] | | | | | | | | | | | | |
| | 22-Sep [a] | | | | | | | | | | | | |
| | 25-Sep [a] | | | | | | | | | | | | |
| | 28-Sep [a] | | | | | | | | | | | | |
| Total | | 61 | 228 | 354 | 2,584 | 236,860 | 1,160,717 | 23,922 | 202,481 | 178,156 | 647,720 | 14,476 | 122,400 |
| Average weight | | | | | 7.3 | | 4.9 | | 8.5 | | 3.6 | | 8.5 |
| Grand Total | | 138 | 1,735 | 1,584 | 10,765 | 1,116,124 | 5,618,048 | 154,699 | 1,283,006 | 1,526,913 | 5,818,621 | 134,633 | 1,153,601 |

*Note:* Harvest numbers do not include test fish harvests or commercial harvest retained for personal use.

[a] Confidential.

[b] Does not include Spiridon Special Harvest Area (254-50) or Settler Cove Special Harvest Area (259-35).

Appendix E6.–Set gillnet salmon harvest, by species, for Westside Management Plan units, 2018.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Northwest | 9-Jun | 36 | 43 | 28 | 238 | 4,852 | 24,421 | 0 | 0 | 1 | 4 | 139 | 1,066 |
| Kodiak District [b] | 10-Jun | 35 | 40 | 4 | 48 | 2,533 | 13,249 | 0 | 0 | 1 | 5 | 159 | 1,159 |
| | 11-Jun | 36 | 38 | 4 | 47 | 3,622 | 19,106 | 0 | 0 | 11 | 38 | 224 | 1,798 |
| | 14-Jun | 18 | 19 | 3 | 21 | 1,289 | 6,299 | 0 | 0 | 2 | 8 | 90 | 693 |
| | 15-Jun | 31 | 31 | 3 | 37 | 1,336 | 6,720 | 1 | 6 | 6 | 23 | 80 | 674 |
| | 16-Jun | 33 | 40 | 0 | 0 | 1,311 | 6,716 | 0 | 0 | 24 | 93 | 137 | 1,088 |
| | 17-Jun | 36 | 36 | 1 | 7 | 1,401 | 7,073 | 0 | 0 | 19 | 69 | 79 | 669 |
| | 18-Jun | 19 | 23 | 2 | 12 | 1,087 | 5,525 | 0 | 0 | 20 | 63 | 67 | 626 |
| | 19-Jun | 37 | 39 | 3 | 38 | 1,373 | 6,816 | 0 | 0 | 31 | 101 | 121 | 955 |
| | 25-Jun | 27 | 27 | 4 | 54 | 2,906 | 14,606 | 2 | 11 | 42 | 163 | 695 | 5,550 |
| | 26-Jun | 46 | 53 | 4 | 41 | 3,504 | 18,303 | 3 | 19 | 105 | 406 | 1,248 | 9,919 |
| | 27-Jun | 27 | 27 | 6 | 86 | 1,688 | 8,073 | 0 | 0 | 100 | 326 | 433 | 3,851 |
| | 28-Jun | 46 | 48 | 2 | 13 | 2,046 | 10,652 | 0 | 0 | 110 | 383 | 812 | 6,689 |
| | 2-Jul | 30 | 31 | 1 | 7 | 4,698 | 24,097 | 20 | 134 | 122 | 452 | 603 | 5,382 |
| | 3-Jul | 55 | 65 | 1 | 13 | 8,757 | 47,065 | 98 | 653 | 593 | 2,188 | 3,209 | 28,667 |
| | 4-Jul | 33 | 34 | 4 | 29 | 4,325 | 23,191 | 60 | 422 | 265 | 1,004 | 1,578 | 13,469 |
| | 5-Jul | 51 | 57 | 9 | 120 | 6,219 | 32,563 | 147 | 998 | 1,013 | 4,012 | 2,315 | 19,166 |
| | 6-Jul | 51 | 52 | 3 | 34 | 6,290 | 33,950 | 216 | 1,463 | 1,665 | 6,554 | 2,172 | 18,448 |
| | 7-Jul | 53 | 57 | 5 | 48 | 3,415 | 18,077 | 115 | 754 | 1,437 | 5,580 | 1,221 | 9,857 |
| | 8-Jul | 34 | 38 | 2 | 24 | 1,911 | 9,788 | 195 | 1,121 | 463 | 1,881 | 573 | 4,755 |
| | 13-Jul | 31 | 32 | 4 | 73 | 4,448 | 22,883 | 185 | 1,321 | 2,884 | 11,148 | 1,384 | 12,405 |
| | 14-Jul | 56 | 61 | 4 | 47 | 7,523 | 41,640 | 891 | 5,977 | 7,822 | 29,803 | 3,787 | 34,187 |
| | 15-Jul | 49 | 62 | 1 | 19 | 5,347 | 29,269 | 730 | 5,016 | 6,546 | 25,549 | 3,174 | 27,075 |
| | 23-Jul | 36 | 37 | 5 | 56 | 3,767 | 20,994 | 319 | 2,460 | 10,050 | 38,583 | 1,510 | 13,440 |
| | 24-Jul | 54 | 62 | 15 | 173 | 5,873 | 32,311 | 1,071 | 7,989 | 19,125 | 72,602 | 3,786 | 33,327 |
| | 25-Jul | 46 | 52 | 5 | 52 | 3,974 | 21,270 | 1,081 | 7,049 | 13,694 | 50,975 | 2,745 | 22,894 |
| | 4-Aug | 44 | 59 | 8 | 59 | 10,487 | 56,476 | 848 | 6,177 | 34,499 | 135,229 | 1,517 | 13,326 |
| | 5-Aug | 53 | 68 | 7 | 109 | 10,902 | 59,073 | 1,780 | 12,483 | 38,889 | 149,481 | 1,938 | 17,451 |
| | 6-Aug | 46 | 49 | 10 | 86 | 6,320 | 34,728 | 1,150 | 8,140 | 24,409 | 96,309 | 1,412 | 12,664 |
| | 7-Aug | 50 | 61 | 9 | 72 | 8,469 | 45,328 | 1,207 | 8,947 | 30,697 | 121,107 | 1,495 | 12,335 |
| | 8-Aug | 49 | 56 | 8 | 55 | 8,319 | 45,045 | 1,602 | 10,691 | 30,848 | 112,950 | 1,237 | 9,359 |

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Appendix E6.–Page 2 of 3.

| Management Unit | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Northwest | 9-Aug | 51 | 55 | 5 | 44 | 5,923 | 32,422 | 1,067 | 7,897 | 21,610 | 82,639 | 798 | 6,253 |
| Kodiak District [b] | 10-Aug | 41 | 49 | 6 | 74 | 3,120 | 17,476 | 916 | 6,363 | 12,293 | 50,115 | 617 | 4,633 |
| (cont.) | 16-Aug | 38 | 40 | 4 | 38 | 6,755 | 37,110 | 1,731 | 14,537 | 10,525 | 39,088 | 696 | 5,431 |
| | 17-Aug | 44 | 54 | 9 | 66 | 9,455 | 51,019 | 2,227 | 17,048 | 13,195 | 50,408 | 1,012 | 8,681 |
| | 18-Aug | 28 | 29 | 3 | 53 | 5,352 | 29,048 | 1,061 | 7,948 | 5,124 | 18,918 | 415 | 3,217 |
| | 19-Aug | 41 | 47 | 0 | 0 | 5,591 | 31,313 | 1,651 | 13,160 | 8,611 | 32,573 | 667 | 5,599 |
| | 20-Aug | 40 | 42 | 0 | 0 | 8,866 | 50,230 | 1,279 | 10,764 | 7,057 | 27,351 | 567 | 4,591 |
| | 21-Aug | 45 | 47 | 7 | 75 | 11,956 | 67,107 | 1,790 | 15,199 | 6,699 | 25,681 | 577 | 4,761 |
| | 22-Aug | 43 | 47 | 8 | 84 | 18,341 | 104,076 | 1,818 | 15,659 | 12,399 | 47,918 | 717 | 5,476 |
| | 23-Aug | 42 | 48 | 7 | 57 | 8,768 | 49,280 | 1,063 | 9,251 | 6,244 | 23,739 | 430 | 3,345 |
| | 24-Aug | 41 | 46 | 10 | 73 | 5,923 | 32,281 | 1,091 | 8,881 | 4,470 | 16,736 | 389 | 3,152 |
| | 25-Aug | 29 | 30 | 4 | 34 | 1,727 | 9,625 | 699 | 5,800 | 1,943 | 7,446 | 162 | 1,136 |
| | 26-Aug | 26 | 26 | 8 | 50 | 2,000 | 10,977 | 932 | 8,350 | 1,166 | 4,290 | 134 | 1,206 |
| | 27-Aug | 37 | 46 | 13 | 111 | 5,529 | 30,234 | 1,485 | 12,673 | 1,878 | 7,423 | 320 | 2,401 |
| | 28-Aug | 31 | 37 | 7 | 72 | 4,865 | 27,153 | 767 | 6,814 | 949 | 3,705 | 164 | 1,244 |
| | 29-Aug | 20 | 21 | 4 | 25 | 3,471 | 19,974 | 272 | 2,311 | 304 | 1,381 | 76 | 539 |
| | 30-Aug | 20 | 20 | 9 | 70 | 5,199 | 28,749 | 711 | 6,592 | 474 | 1,774 | 130 | 998 |
| | 31-Aug | 31 | 33 | 3 | 26 | 6,638 | 37,832 | 807 | 6,811 | 506 | 2,181 | 130 | 960 |
| | 1-Sep | 33 | 40 | 9 | 64 | 5,084 | 27,804 | 496 | 4,345 | 310 | 1,138 | 87 | 656 |
| | 2-Sep | 17 | 17 | 8 | 75 | 2,158 | 11,591 | 259 | 2,222 | 109 | 403 | 25 | 171 |
| | 3-Sep | 21 | 22 | 7 | 60 | 3,196 | 17,532 | 299 | 2,855 | 113 | 413 | 30 | 255 |
| | 4-Sep | 23 | 24 | 5 | 43 | 2,887 | 15,939 | 413 | 3,428 | 199 | 817 | 39 | 291 |
| | 5-Sep | 29 | 29 | 4 | 31 | 2,246 | 12,409 | 402 | 3,280 | 111 | 437 | 45 | 296 |
| | 6-Sep | 14 | 14 | 1 | 7 | 1,412 | 7,918 | 107 | 995 | 37 | 130 | 21 | 144 |
| | 7-Sep | 23 | 23 | 13 | 99 | 1,696 | 9,328 | 623 | 5,432 | 54 | 215 | 73 | 499 |
| | 8-Sep | 15 | 15 | 5 | 48 | 584 | 3,206 | 135 | 1,195 | 14 | 48 | 11 | 88 |
| | 9-Sep | 15 | 15 | 3 | 32 | 792 | 4,254 | 154 | 1,416 | 12 | 45 | 15 | 105 |
| | 10-Sep | 15 | 15 | 0 | 0 | 736 | 4,164 | 137 | 1,184 | 24 | 112 | 10 | 74 |
| | 11-Sep | 16 | 16 | 0 | 0 | 752 | 4,112 | 80 | 728 | 5 | 17 | 3 | 18 |
| | 12-Sep | 10 | 13 | 0 | 0 | 815 | 4,635 | 129 | 1,086 | 7 | 43 | 11 | 76 |
| | 13-Sep | 8 | 8 | 0 | 0 | 678 | 3,777 | 35 | 342 | 2 | 7 | 3 | 23 |

-continued-

Appendix E6.–Page 3 of 3.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Northwest | 14-Sep [a] | | | | | | | | | | | | |
| Kodiak District [b] (cont.) | 15-Sep | 3 | 3 | 0 | 0 | 107 | 582 | 2 | 17 | 0 | 0 | 2 | 18 |
| Total | | 93 | 2,369 | 327 | 3,129 | 282,627 | 1,538,534 | 36,361 | 286,434 | 341,938 | 1,314,284 | 48,317 | 409,288 |
| Average weight | | | | | 9.6 | | 5.4 | | 7.9 | | 3.8 | | 8.5 |

*Note:* Harvest numbers do not include test fish harvests or commercial harvest retained for personal use.

[a] Confidential.

[b] Does not include Spiridon Special Harvest Area (254-50) or Settler Cove (259-35).

# APPENDIX F. NORTH SHELIKOF FISHERY SUMMARY

Appendix F1.–Narrative account of the North Shelikof Strait sockeye salmon fishery in the Kodiak Management Area, 2018.

## INTRODUCTION

In 1988, there was a significant harvest of large (greater than 6 lb) sockeye salmon in management units bordering the northern portion of Shelikof Strait (Appendix F2). Analysis of average weights, age composition of the harvest, review of past tagging studies, and estimates of migratory timing led to the determination that the majority of these sockeye salmon were bound for Cook Inlet (Barrett 1989). Subsequently the Board of Fisheries determined that an expanded, nontraditional harvest pattern had developed in the Kodiak Management Area. In 1990, the *North Shelikof Strait Sockeye Salmon Management Plan* (NSSSSMP; 5 AAC 18.363) was adopted into regulation.

The NSSSSMP limits purse seine fishing opportunities in those sections of the KMA bordering the north Shelikof Strait (those waters of Shelikof Strait from Dakavak Bay to Cape Douglas in the Mainland District and from Raspberry Cape to Shuyak Island in the Afognak District; Appendix F2). The plan covers the time period from July 6 to July 25 and establishes 2 specific sockeye salmon harvest "triggers" for defined management units within the affected zone. These triggers were established to reduce the harvest of Cook Inlet-bound sockeye salmon that migrate through the Shelikof Strait. The Southwest Afognak management unit (composed of the Southwest Afognak Section) and the North Shelikof management unit (made up of the Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River sections of the Mainland District, and the Shuyak Island and Northwest Afognak sections of the Afognak District) have separate sockeye salmon harvest triggers (Appendix F2). If the sockeye salmon harvest within either of these units reaches an established cap, then commercial fishing opportunities within that unit are restricted.

By regulation, "seaward zones" are established in each management unit. These zones are made up of all waters seaward of a line that is drawn from cape to cape.[1] The seaward zone of the Southwest Afognak management unit closes to fishing if 50,000 sockeye salmon are harvested between July 6 and July 25. The seaward zone of the North Shelikof management unit closes to fishing if 15,000 sockeye salmon are harvested between July 6 and July 25. If a seaward zone closure occurs, only the inshore "shoreward zone" (all waters inside the line) will remain open to commercial fishing during normal fishing periods (Appendix F2; Fuerst and Jackson 2018).

In the 20 years the NSSSSMP has been in effect, the North Shelikof management unit has had seaward zone closures every year except 1991, 2000, and 2008 (Appendix F3). The seaward zone of the Southwest Afognak management unit has been closed only 3 times (in 1992, 1993, and 2003; Appendix F4).

-continued-

[1] In 1993, the seaward zone boundary of the Southwest Afognak unit was modified by the Alaska Board of Fisheries. The seaward zone boundary was moved ½ mile offshore of the line running cape to cape in order to allow for traditional harvest opportunities of pink salmon. In 2008, the seaward zone boundary of that portion of the North Shelikof unit in the Northwest Afognak Section was moved ½ mile offshore of the line running cape to cape in order to allow for traditional harvest opportunities for pink salmon.

**First Fishing Period (July 6 to 8)**

The first fishing period was characterized by below average fishing effort and low harvest rates. A total of 4 permit holders harvested 164 Chinook, 4,023 sockeye, 31 coho, 443 pink, and 1,138 chum salmon during the first fishing period in the North Shelikof management unit (Appendix F5). Fishing effort was well below average in the Southwest Afognak management unit with no reported harvest of salmon (Appendix F6).

**Second Fishing Period (July 13 to 15)**

During the second fishing period, the number of the vessels fishing in the North Shelikof management unit increased although harvests rates remained low. During the second fishing period, 8 permit holders harvested of 39 Chinook, 3,127 sockeye, 190 coho, 2,835 pink, and 1,621 chum salmon (Appendix F5).

There was an increase in fishing effort within the Southwest Afognak management unit during the second fishing period with 4 permit holders harvesting 9 Chinook, 898 sockeye, 358 coho, 2,284 pink, and 664 chum salmon (Appendix F6).

**Third Fishing Period (July 23 to 25)**

Effort increased during the third period within the North Shelikof management unit. By the early evening of July 25 ADF&G determined that the 15,000 fish harvest cap for the North Shelikof management units may be reached before the closer at 9:00 P.M. At 5:00 P.M it was announced that the seaward zones would close at 8:00 p.m.

During the third period 11 permit holders harvested 104 Chinook, 8,916 sockeye, 876 coho, 17,201 pink, and 3,314 chum salmon (Appendix F5).

Fishing effort in the Southwest Afognak Section remained low throughout the third fishing period, therefore a seaward zone closure was not necessary in 2018. From July 23 to July 25, salmon harvests were confidential due to less than 3 permits fishing (Appendix F6).

**Season Totals**

The 2018 North Shelikof management unit harvest for the time period from July 6 to July 25 totaled 307 Chinook, 16,066 sockeye, 1,097 coho, 20,479 pink, and 6,073 chum salmon, taken by 16 permit holders (Appendix F3 and F5). The average weight of the sockeye salmon harvested in the North Shelikof Unit was 5.25 lb (Appendix F5).

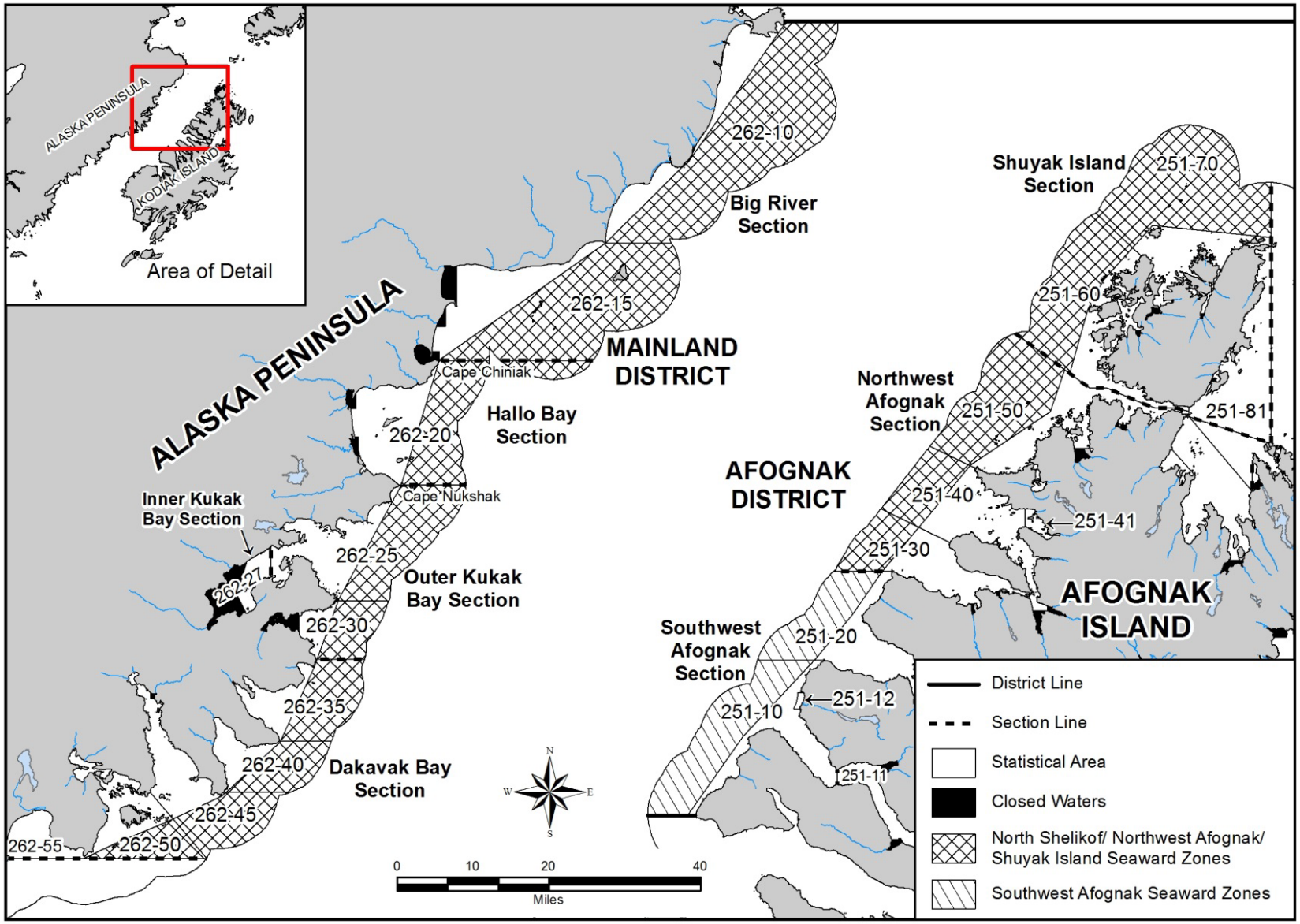
The 2018 Southwest Afognak Unit harvest for the time period from July 6 to July 25 totaled 10 Chinook, 936 sockeye, 406 coho, 2,672 pink, and 747 chum salmon, taken by 5 permit holders (Appendices F4 and F6). The average weight of the sockeye salmon harvested in the Southwest Afognak management unit was 5.15 lb (Appendix F6).

## REFERENCES CITED

Fuerst, B. A., and J. Jackson. 2018. Kodiak management area harvest strategy for the 2018 commercial salmon fishery. Alaska Department of Fish and Game, Regional Information Report No. 4K18-02, Kodiak.

Barrett, B. M. 1989. North Shelikof Strait 1988 sockeye catch distribution, timing, and stock composition. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K88-6, Kodiak.

Appendix F2.–Map showing the North Shelikof management area.



Appendix F3.–Summary of fishing time, zone closures, effort, and harvest by species, for the North Shelikof management unit of the Kodiak Management Area, 1995–2018.

| | Mainland | | N. Afognak | | | | Estimated sockeye harvest at time of zone closure | Number of Vessels | Total Salmon Harvest by Species: July 6 through July 25 | | | | | Upper Cook Inlet sockeye harvest (in millions) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | # of days open to | # of days Seaward Zone | # of days open to | # of days Seaward Zone | Zone Closure | | | | | | | | | |
| Year | fishing | closed | fishing | closed | Date | Time | | | Chinook | Sockeye | Coho | Pink | Chum | |
| 1995 | 7.1 | 3.3 | 13.3 | 8.5 | 13-Jul | 10:00 PM | 15,770 | 77 | 150 | 37,400 | 1,260 | 178,800 | 16,590 | 2.9 |
| 1996 | 7.1 | 4.3 | 7.1 | 4.3 | 15-Jul | 10:00 PM | 11,675 | 77 | 260 | 73,720 | 1,820 | 30,050 | 14,585 | 3.9 |
| 1997 | 7.1 | 4.9 | 10.1 | 7.9 | 8-Jul | 5:00 PM | 19,850 | 80 | 1,940 | 59,140 | 1,840 | 38,190 | 4,550 | 4.1 |
| 1998 | 7.1 | 2.4 | 10.1 | 4.4 | 16-Jul | 9:00 PM | 17,812 | 39 | 140 | 40,630 | 5,380 | 59,535 | 6,370 | 1.2 |
| 1999 | 7.1 | 3.3 | 10.1 | 6.4 | 13-Jul | 10:00 PM | 13,021 | 45 | 310 | 30,830 | 230 | 31,920 | 7,795 | 2.7 |
| 2000 | 7.1 | 0.0 | 10.1 | 0.0 | none | none | no closure | 31 | 68 | 9,225 | 1,045 | 20,215 | 22,155 | 1.3 |
| 2001 | 7.1 | 2.7 | 10.1 | 4.7 | 16-Jul | 1:00 PM | 14,729 | 26 | 245 | 22,321 | 9,943 | 33,534 | 10,348 | 1.8 |
| 2002 | 7.1 | 2.4 | 10.1 | 4.7 | 15-Jul | 5:00 PM | 16,600 | 35 | 295 | 35,290 | 13,181 | 238,734 | 13,708 | 2.8 |
| 2003 | 7.1 | 5.1 | 13.1 | 11.1 | 8-Jul | 12:00 PM | 16,448 | 37 | 120 | 33,122 | 1,054 | 35,151 | 6,500 | 3.5 |
| 2004 | 7.1 | 3.5 | 13.1 | 7.5 | 13-Jul | 5:00 PM | 16,000 | 36 | 533 | 53,334 | 3,756 | 44,886 | 14,710 | 4.9 |
| 2005 | 7.1 | 3.8 | 13.1 | 8.3 | 13-Jul | 12:01 AM | 17,400 | 22 | 87 | 59,856 | 1,809 | 27,269 | 5,361 | 5.1 |
| 2006 | 8.6 | 4.3 | 17.3 | 9.9 | 14-Jul | NOON | 15,000 | 31 | 482 | 82,538 | 8,312 | 146,445 | 33,075 | 2.4 |
| 2007 | 7.1 | 4.7 | 13.8 | 8.9 | 8-Jul | 9:00 PM | 12,688 | 28 | 266 | 17,407 | 566 | 14,340 | 5,083 | 3.3 |
| 2008 | 8.6 | 0.0 | 8.6 | 0.0 | none | none | no closure | 7 | 175 | 5,227 | 512 | 18,924 | 5,082 | 2.8 |
| 2009 | 7.1 | 2.4 | 13.1 | 6.4 | 15-Jul | 9:00 PM | 12,626 | 14 | 179 | 15,645 | 620 | 47,694 | 6,061 | 2.3 |
| 2010 | 7.1 | 5.1 | 10.1 | 8.1 | 8-Jul | 1:00 PM | 14,441 | 19 | 609 | 18,920 | 2,009 | 75,481 | 10,820 | 2.8 |
| 2011 | 7.1 | 0.3 | 13.1 | 2.3 | 22-Jul | 1:00 PM | 25,625 | 26 | 386 | 28,805 | 2,275 | 16,162 | 8,688 | 5.4 |
| 2012 | 7.1 | 0.3 | 13.1 | 2.3 | 22-Jul | 1:00 PM | 33,173 | 26 | 141 | 42,184 | 691 | 78,244 | 16,655 | 3.1 |
| 2013 | 7.1 | 2.4 | 9.1 | 4.3 | 15-Jul | 9:00 PM | 15,565 | 16 | 427 | 15,565 | 387 | 14,146 | 6,258 | 2.6 |
| 2014 | 7.1 | 2.4 | 13.1 | 10.8 | 8-Jul | 5:00 PM | 21,099 | 50 | 164 | 143,909 | 4,808 | 133,580 | 12,085 | 2.3 |
| 2015 | 7.1 | 2.8 | 13.1 | 7.8 | 15-Jul | 3:00 PM | 22,332 | 35 | 152 | 82,225 | 7,292 | 288,989 | 11,605 | 2.6 |
| 2016 | 7.1 | 4.7 | 11.1 | 9.0 | 8-Jul | 9:00 PM | 14,591 | 24 | 387 | 101,856 | 2,406 | 24,579 | 11,566 | 2.4 |
| 2017 | 7.1 | 3.4 | 13.1 | 5.4 | 14-Jul | 1:00 PM | 17,401 | 35 | 457 | 67,843 | 2,258 | 74,592 | 33,248 | 1.8 |
| 2018 | 7.1 | 0.0 | 7.1 | 0.0 | 25-Jul | 8:00 PM | 15,999 | 16 | 307 | 16,066 | 1,097 | 20,479 | 6,073 | 0.8 |

*Note:* In 1988, the Upper Cook Inlet sockeye salmon run was strong, with a commercial harvest of approximately 6,800,000 sockeye salmon. In the Kodiak Area, within the North Shelikof management unit from 7/6–7/25, 1988, with 6.9 days open to fishing, 392,000 sockeye salmon were harvested. This led to adoption of regulations to limit the sockeye salmon harvest in the North Shelikof (15,000 fish) and Southwest Afognak (50,000 fish) management units (5 AAC 18.363).

Appendix F4.–Summary of fishing time, zone closures, effort, and harvest by species, for the Southwest Afognak management unit of the Kodiak Management Area, 1995–2018.

| | Mainland | | N. Afognak | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | # of days | # of days Seaward | # of days | # of days Seaward | Zone Closure | | Sockeye Harvest at time of zone | Number of | Total Salmon Harvest by Species: July 6 through July 25 | | | | | Upper Cook Inlet sockeye harvest (in |
| Year | open to fishing | Zone closed | open to fishing | Zone closed | Date | Time | closure | Vessels | Chinook | Sockeye | Coho | Pink | Chum | millions) |
| 1995 | 7.1 | 3.3 | 13.3 | 8.5 | 13-Jul | 10:00 PM | 15,770 | 77 | 150 | 37,400 | 1,260 | 178,800 | 16,590 | 2.9 |
| 1996 | 7.1 | 4.3 | 7.1 | 4.3 | 15-Jul | 10:00 PM | 11,675 | 77 | 260 | 73,720 | 1,820 | 30,050 | 14,585 | 3.9 |
| 1997 | 7.1 | 4.9 | 10.1 | 7.9 | 8-Jul | 5:00 PM | 19,850 | 80 | 1,940 | 59,140 | 1,840 | 38,190 | 4,550 | 4.1 |
| 1998 | 7.1 | 2.4 | 10.1 | 4.4 | 16-Jul | 9:00 PM | 17,812 | 39 | 140 | 40,630 | 5,380 | 59,535 | 6,370 | 1.2 |
| 1999 | 7.1 | 3.3 | 10.1 | 6.4 | 13-Jul | 10:00 PM | 13,021 | 45 | 310 | 30,830 | 230 | 31,920 | 7,795 | 2.7 |
| 2000 | 7.1 | 0.0 | 10.1 | 0.0 | none | none | no closure | 31 | 68 | 9,225 | 1,045 | 20,215 | 22,155 | 1.3 |
| 2001 | 7.1 | 2.7 | 10.1 | 4.7 | 16-Jul | 1:00 PM | 14,729 | 26 | 245 | 22,321 | 9,943 | 33,534 | 10,348 | 1.8 |
| 2002 | 7.1 | 2.4 | 10.1 | 4.7 | 15-Jul | 5:00 PM | 16,600 | 35 | 295 | 35,290 | 13,181 | 238,734 | 13,708 | 2.8 |
| 2003 | 7.1 | 5.1 | 13.1 | 11.1 | 8-Jul | 12:00 PM | 16,448 | 37 | 120 | 33,122 | 1,054 | 35,151 | 6,500 | 3.5 |
| 2004 | 7.1 | 3.5 | 13.1 | 7.5 | 13-Jul | 5:00 PM | 16,000 | 36 | 533 | 53,334 | 3,756 | 44,886 | 14,710 | 4.9 |
| 2005 | 7.1 | 3.8 | 13.1 | 8.3 | 13-Jul | 12:01 AM | 17,400 | 22 | 87 | 59,856 | 1,809 | 27,269 | 5,361 | 5.1 |
| 2006 | 8.6 | 4.3 | 17.3 | 9.9 | 14-Jul | NOON | 15,000 | 31 | 482 | 82,538 | 8,312 | 146,445 | 33,075 | 2.4 |
| 2007 | 7.1 | 4.7 | 13.8 | 8.9 | 8-Jul | 9:00 PM | 12,688 | 28 | 266 | 17,407 | 566 | 14,340 | 5,083 | 3.3 |
| 2008 | 8.6 | 0.0 | 8.6 | 0.0 | none | none | no closure | 7 | 175 | 5,227 | 512 | 18,924 | 5,082 | 2.8 |
| 2009 | 7.1 | 2.4 | 13.1 | 6.4 | 15-Jul | 9:00 PM | 12,626 | 14 | 179 | 15,645 | 620 | 47,694 | 6,061 | 2.3 |
| 2010 | 7.1 | 5.1 | 10.1 | 8.1 | 8-Jul | 1:00 PM | 14,441 | 19 | 609 | 18,920 | 2,009 | 75,481 | 10,820 | 2.8 |
| 2011 | 7.1 | 0.3 | 13.1 | 2.3 | 22-Jul | 1:00 PM | 25,625 | 26 | 386 | 28,805 | 2,275 | 16,162 | 8,688 | 5.4 |
| 2012 | 7.1 | 0.3 | 13.1 | 2.3 | 22-Jul | 1:00 PM | 33,173 | 26 | 141 | 42,184 | 691 | 78,244 | 16,655 | 3.1 |
| 2013 | 7.1 | 2.4 | 9.1 | 4.3 | 15-Jul | 9:00 PM | 15,565 | 16 | 427 | 15,565 | 387 | 14,146 | 6,258 | 2.6 |
| 2014 | 7.1 | 2.4 | 13.1 | 10.8 | 8-Jul | 5:00 PM | 21,099 | 50 | 164 | 143,909 | 4,808 | 133,580 | 12,085 | 2.3 |
| 2015 | 7.1 | 2.8 | 13.1 | 7.8 | 15-Jul | 3:00 PM | 22,332 | 35 | 152 | 82,225 | 7,292 | 288,989 | 11,605 | 2.6 |
| 2016 | 7.1 | 4.7 | 11.1 | 9.0 | 8-Jul | 9:00 PM | 14,591 | 24 | 387 | 101,856 | 2,406 | 24,579 | 11,566 | 2.4 |
| 2017 | 7.1 | 3.4 | 13.1 | 5.4 | 14-Jul | 1:00 PM | 17,401 | 35 | 457 | 67,843 | 2,258 | 74,592 | 33,248 | 1.8 |
| 2018 | 7.1 | 0.0 | 7.1 | 0.0 | 25-Jul | 8:00 PM | 15,999 | 16 | 307 | 16,066 | 1,097 | 20,479 | 6,073 | 0.8 |

*Note*: In 1988, the Upper Cook Inlet sockeye salmon run was very strong, with a commercial harvest was approximately 6,800,000 sockeye salmon. In the Kodiak Area, within the North Shelikof management unit from 7/6–7/25, 1988, with 6.9 days open to fishing, 392,000 sockeye salmon were harvested. This led to adoption of regulations to limit the sockeye salmon harvest in the North Shelikof (15,000 fish) and Southwest Afognak (50,000 fish) management units (5 AAC 18.363).

Appendix F5.–Daily salmon harvest by species for the North Shelikof management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2018.

| | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| First Period (July 6–July 8) | | | | | | | | | | | | |
| 07/06[a] | | | | | | | | | | | | |
| 07/07[a] | | | | | | | | | | | | |
| 07/08[a] | | | | | | | | | | | | |
| Total | 4 | 5 | 164 | 835 | 4,023 | 16,606 | 31 | 305 | 443 | 1,467 | 1,138 | 8,642 |
| Average weight | | | | 5.09 | | 4.13 | | 9.84 | | 3.31 | | 7.59 |
| Second Period (July 13–July 15) | | | | | | | | | | | | |
| 07/13 | 7 | 7 | 32 | 245 | 2,511 | 13,919 | 94 | 771 | 2,172 | 8,071 | 894 | 6,869 |
| 07/14 | 3 | 3 | 7 | 27 | 616 | 2,880 | 96 | 588 | 663 | 2,861 | 727 | 5,503 |
| Total | 8 | 10 | 39 | 272 | 3,127 | 16,799 | 190 | 1,359 | 2,835 | 10,932 | 1,621 | 12,372 |
| Average weight | | | | 6.96 | | 5.37 | | 7.15 | | 3.86 | | 7.63 |
| Third Period (July 23–July 25) | | | | | | | | | | | | |
| 07/23 | 9 | 9 | 45 | 533 | 5,714 | 32,113 | 487 | 4,459 | 11,724 | 40,224 | 2,182 | 17,434 |
| 07/24 | 3 | 3 | 59 | 441 | 1,791 | 10,292 | 238 | 2,023 | 4,141 | 14,014 | 832 | 6,594 |
| 07/25[a] | | | | | | | | | | | | |
| Total | 11 | 14 | 104 | 974 | 8,916 | 51,020 | 876 | 7,765 | 17,201 | 58,845 | 3,314 | 26,672 |
| Average weight | | | | 9.37 | | 5.72 | | 8.86 | | 3.42 | | 8.05 |
| North Shelikof Management Harvest July 6–July 25 | | | | | | | | | | | | |
| Total | 16 | 29 | 307 | 2,081 | 16,066 | 84,425 | 1,097 | 9,429 | 20,479 | 71,244 | 6,073 | 47,686 |
| Average weight | | | | 6.78 | | 5.25 | | 8.60 | | 3.48 | | 7.85 |

[a] Confidential.

Appendix F6.–Daily salmon harvest by species in the Southwest Afognak management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2018.

| | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| First Period (July 6–July 8) | | | | | | | | | | | | |
| Total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Avg. Wt. | | | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 |
| Second Period (July 13–July 15) | | | | | | | | | | | | |
| 07/13[a] | | | | | | | | | | | | |
| 07/14[a] | | | | | | | | | | | | |
| 07/15[a] | | | | | | | | | | | | |
| Total | 4 | 4 | 9 | 45 | 898 | 4,650 | 358 | 2,263 | 2,284 | 7,923 | 664 | 4,860 |
| Avg. Wt. | | | | 5.0 | | 5.2 | | 6.3 | | 3.5 | | 7.3 |
| Third Period (July 23–July 25) | | | | | | | | | | | | |
| 07/23[a] | | | | | | | | | | | | |
| Total[a] | | | | | | | | | | | | |
| Avg. Wt. | | | | | | | | | | | | |
| SW Afognak Management Harvest July 6–July 25 | | | | | | | | | | | | |
| Total | 5 | 5 | 10 | 70 | 936 | 4,825 | 406 | 2,554 | 2,672 | 9,478 | 747 | 5,278 |
| Avg. Wt. | | | | 7.00 | | 5.15 | | 6.29 | | 3.55 | | 7.06 |

[a] Confidential.

# APPENDIX G. EASTSIDE AFOGNAK FISHERY SUMMARY

Appendix G1.–Narrative account of the Eastside Afognak salmon fishery in the Kodiak Management Area, 2018.

## INTRODUCTION

In 1990, the Board of Fisheries adopted the *Eastside Afognak Management Plan* (5 AAC 18.365) into regulation to manage the fisheries in the vicinity of the Kitoi Bay Hatchery. The plan has been in effect with occasional modification since 1981 and was formulated jointly by Kodiak Management Area (KMA) commercial fishery managers and the Kitoi Bay Hatchery manager. This hatchery, on the east side of Afognak Island (Appendix G2), produces significant returns of pink, chum, and coho salmon. The goal of this plan is to achieve escapement and harvest objectives for salmon stocks of the Raspberry Straits, Southeast Afognak, Duck Bay, Izhut Bay, and Kitoi Bay sections, and ensure broodstock for the hatchery. This plan details the key species and targeted stocks that are managed in each of these sections throughout the fishing season.

### 2018 Eastside Afognak Fishery

Management of the Southeast Afognak Section is based on local salmon runs. Fisheries can be allowed from June 1 to July 5 based on the sockeye salmon returning to the Afognak Lake system, and after July 5 based on local pink, chum, and coho salmon. Due to very low Afognak Lake sockeye salmon escapement, the Southeast Afognak Section was remained closed during the initial opening for KMA sockeye salmon on June 9. Afognak Lake sockeye salmon escapement continued to be low and the Southeast Afognak Section remained closed until August 28 when the area began coho salmon management. A total of 4 permit holders harvested zero Chinook, 17 sockeye, 5,356 coho, 746 pink, and 108 chum salmon (Appendix G3). The 2018 sockeye salmon escapement into Afognak Lake was 17,601 fish (Fuerst 2019), which was below the escapement goal range of 20,000 to 50,000 fish (Schaberg et al. 2016).

The salmon fishery targeting Kitoi Bay Hatchery fish began on June 9 with the last delivery occurring on September 11. In fisheries targeting the Kitoi Bay Hatchery return, which include the Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections, 123 permit holders harvested 210 Chinook, 25,525 sockeye, 166,298 coho, 3,199,964 pink, and 166,298 chum salmon (Appendix G3). The hatchery pink salmon harvest was above the preseason forecast, but early-run sockeye, late-run sockeye, coho, and chum salmon harvests were all below harvest forecasts (Brenner et al. 2018).

In 2018, there was no cost-recovery fishery conducted by Kodiak Regional Aquaculture Association in the vicinity of the Kitoi Bay Hatchery.

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# REFERENCES CITED

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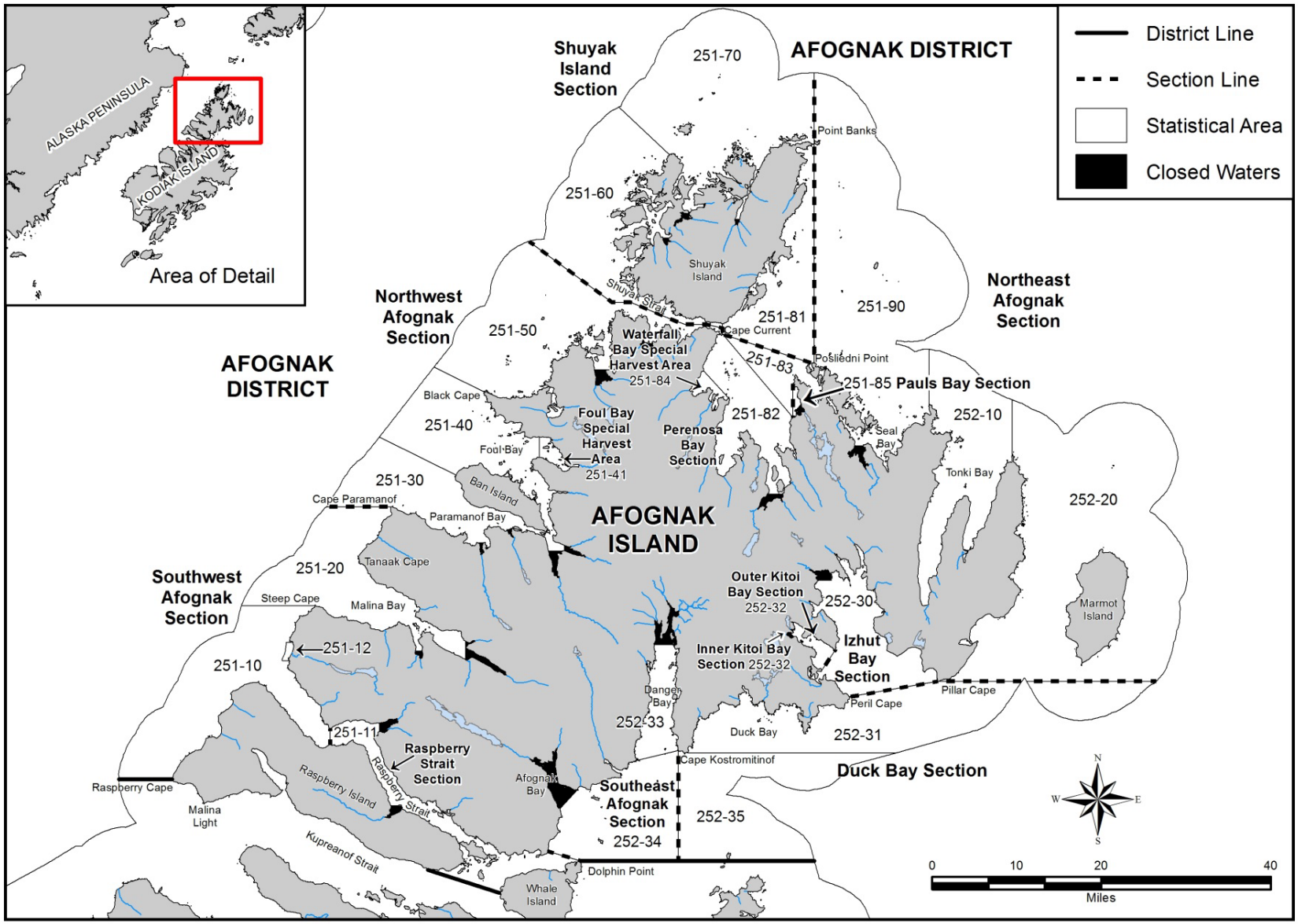
Fuerst, B. A. 2019. Kodiak Management Area weir descriptions and salmon escapement report, 2018. Alaska Department of Fish and Game, Fisheries Management Report No. 19-14, Anchorage.

Schaberg, K. L., M. B. Foster, M. Wattum, and T. R. McKinley. 2016. Review of salmon escapement goals in the Kodiak Management Area, 2016. Alaska Department of Fish and Game, Fishery Manuscript Series No. 16-09, Anchorage.

Appendix G2.–Map of the Afognak District of the Kodiak Management Area.



Appendix G3.–Daily salmon harvest by species for the management units of the East Afognak Management Plan, 2018.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Raspberry Strait | 7-Sep [a] | | | | | | | | | | | | |
| Section | 9-Sep | 3 | 3 | 0 | 0 | 1 | 3 | 1,710 | 10,777 | 0 | 0 | 0 | 0 |
| 251-11 | | | | | | | | | | | | | |
| Total | | 4 | 4 | 0 | 0 | 1 | 3 | 1,872 | 12,272 | 0 | 0 | 0 | 0 |
| Average weight | | | | | 0.0 | | 0.00 | | 6.56 | | 0.0 | | 0.0 |
| S.E.Afognak | 24-Aug | 4 | 4 | 0 | 0 | 0 | 0 | 2515 | 19,330.00 | 85 | 310.00 | 89 | 623 |
| Section | 25-Aug | 4 | 4 | 0 | 0 | 8 | 44 | 1,410 | 11,699 | 230 | 921 | 4 | 22 |
| 252-33 & 34 | 31-Aug [a] | | | | | | | | | | | | |
| | 1-Sep [a] | | | | | | | | | | | | |
| | 7-Sep | 3 | 3 | 0 | 0 | 4 | 20 | 447 | 3,644 | 32 | 105 | 3 | 14 |
| | 8-Sep [a] | | | | | | | | | | | | |
| Total | | 11 | 15 | 0 | 0 | 17 | 87 | 5,356 | 43,046 | 746 | 2,650 | 108 | 761 |
| Average weight | | | | | 0.0 | | 5.12 | | 8.04 | | 3.55 | | 7.05 |
| Izhut Bay Section | 9-Jun | 5 | 5 | 0 | 0 | 23 | 91 | 0 | 0 | 6 | 20 | 578 | 4,952 |
| 252-30 | 10-Jun [a] | | | | | | | | | | | | |
| | 11-Jun | 4 | 4 | 5 | 42 | 37 | 144 | 0 | 0 | 15 | 31 | 410 | 3,201 |
| | 13-Jun | 3 | 3 | 0 | 0 | 53 | 190 | 0 | 0 | 13 | 25 | 1,009 | 9,101 |
| | 16-Jun [a] | | | | | | | | | | | | |
| | 18-Jun | 5 | 5 | 0 | 0 | 714 | 3,503 | 0 | 0 | 269 | 806 | 4,342 | 34,143 |
| | 19-Jun | 4 | 4 | 2 | 12 | 224 | 959 | 0 | 0 | 80 | 241 | 1,802 | 16,266 |
| | 20-Jun | 10 | 10 | 1 | 8 | 35 | 137 | 0 | 0 | 11 | 26 | 3,177 | 27,079 |
| | 21-Jun | 6 | 6 | 0 | 0 | 30 | 102 | 0 | 0 | 5 | 18 | 1,786 | 13,999 |
| | 22-Jun | 14 | 14 | 4 | 60 | 48 | 206 | 0 | 0 | 22 | 69 | 7,735 | 60,457 |
| | 23-Jun | 6 | 6 | 0 | 0 | 0 | 0 | 34 | 241 | 0 | 0 | 2,650 | 22,923 |
| | 24-Jun | 13 | 13 | 0 | 0 | 12 | 46 | 2 | 12 | 19 | 56 | 7,374 | 59,513 |
| | 25-Jun | 5 | 5 | 1 | 5 | 20 | 74 | 0 | 0 | 7 | 30 | 3,143 | 25,822 |
| | 26-Jun | 9 | 9 | 2 | 15 | 71 | 308 | 2 | 8 | 66 | 211 | 9,383 | 74,474 |
| | 27-Jun | 7 | 7 | 1 | 5 | 7 | 28 | 1 | 6 | 17 | 57 | 2,855 | 23,017 |

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| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Izhut Bay Section | 28-Jun | 20 | 20 | 1 | 8 | 154 | 461 | 2 | 9 | 55 | 175 | 11,540 | 86,481 |
| 252-30 (cont.) | 29-Jun | 4 | 4 | 0 | 0 | 2 | 7 | 0 | 0 | 3 | 8 | 899 | 7,399 |
| | 30-Jun | 18 | 18 | 3 | 11 | 140 | 550 | 8 | 42 | 16 | 49 | 16,631 | 120,830 |
| | 1-Jul | 7 | 7 | 4 | 18 | 23 | 92 | 4 | 25 | 1 | 3 | 2,426 | 19,394 |
| | 17-Jul | 22 | 22 | 2 | 37 | 303 | 1,414 | 167 | 1,100 | 1,030 | 4,611 | 2,533 | 15,868 |
| | 18-Jul | 8 | 8 | 0 | 0 | 31 | 164 | 16 | 98 | 107 | 349 | 406 | 2,749 |
| | 19-Jul | 4 | 4 | 1 | 8 | 491 | 2,459 | 210 | 1,473 | 2,804 | 11,202 | 1,292 | 9,627 |
| | 20-Jul [a] | | | | | | | | | | | | |
| | 21-Jul | 5 | 5 | 2 | 10 | 662 | 2,437 | 846 | 5,483 | 6,265 | 24,699 | 1,388 | 11,253 |
| | 22-Jul | 4 | 4 | 0 | 0 | 170 | 757 | 227 | 1,579 | 2,262 | 6,763 | 348 | 2,190 |
| | 23-Jul | 5 | 5 | 1 | 20 | 200 | 885 | 384 | 2,457 | 3,388 | 11,983 | 325 | 2,536 |
| | 24-Jul | 3 | 3 | 1 | 5 | 126 | 572 | 47 | 256 | 1,149 | 4,892 | 216 | 1,365 |
| | 25-Jul | 7 | 7 | 2 | 43 | 286 | 1,203 | 311 | 2,377 | 5,831 | 25,961 | 454 | 3,621 |
| | 26-Jul | 4 | 4 | 1 | 25 | 110 | 480 | 385 | 2,072 | 6,171 | 21,050 | 351 | 2,095 |
| | 27-Jul | 7 | 7 | 0 | 0 | 224 | 1,017 | 420 | 2,812 | 21,814 | 72,963 | 555 | 3,600 |
| | 28-Jul | 3 | 3 | 0 | 0 | 10 | 49 | 2 | 14 | 9,595 | 24,475 | 643 | 5,865 |
| | 29-Jul | 10 | 10 | 0 | 0 | 81 | 356 | 226 | 1,639 | 31,448 | 122,735 | 411 | 2,596 |
| | 30-Jul | 13 | 15 | 5 | 28 | 290 | 1,199 | 1,271 | 8,903 | 56,302 | 213,403 | 406 | 2,462 |
| | 31-Jul | 23 | 23 | 9 | 33 | 134 | 712 | 1,675 | 13,871 | 114,963 | 424,306 | 244 | 1,571 |
| | 1-Aug | 28 | 29 | 7 | 114 | 181 | 803 | 1,767 | 12,748 | 118,836 | 463,500 | 188 | 1,186 |
| | 2-Aug | 30 | 31 | 1 | 7 | 118 | 517 | 1,995 | 14,381 | 146,839 | 551,622 | 170 | 965 |
| | 3-Aug | 21 | 21 | 0 | 0 | 112 | 487 | 1,503 | 10,488 | 138,867 | 512,591 | 151 | 838 |
| | 4-Aug | 23 | 24 | 0 | 0 | 205 | 1,009 | 1,740 | 14,281 | 135,861 | 502,995 | 130 | 825 |
| | 5-Aug | 13 | 13 | 1 | 4 | 113 | 573 | 1,255 | 10,024 | 75,141 | 281,375 | 85 | 544 |
| | 6-Aug | 29 | 29 | 1 | 16 | 290 | 1,447 | 2,977 | 21,454 | 150,998 | 546,270 | 249 | 1,538 |
| | 7-Aug | 37 | 38 | 0 | 0 | 326 | 1,626 | 2,344 | 17,203 | 171,698 | 693,049 | 127 | 790 |
| | 8-Aug | 37 | 38 | 0 | 0 | 299 | 1,314 | 1,912 | 15,273 | 168,207 | 703,117 | 120 | 767 |
| | 9-Aug | 34 | 35 | 1 | 2 | 468 | 2,029 | 1,758 | 13,040 | 156,951 | 589,810 | 96 | 659 |
| | 13-Aug | 36 | 39 | 0 | 0 | 153 | 677 | 4,165 | 35,191 | 64,430 | 252,925 | 36 | 225 |
| | 14-Aug | 19 | 19 | 0 | 0 | 73 | 289 | 2,464 | 19,012 | 33,642 | 128,576 | 28 | 154 |
| | 15-Aug | 17 | 17 | 0 | 0 | 86 | 372 | 3,929 | 34,048 | 46,401 | 187,059 | 23 | 138 |

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| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Izhut Bay Section | 16-Aug | 15 | 15 | 0 | 0 | 370 | 1,369 | 6,267 | 45,201 | 52,080 | 187,207 | 51 | 362 |
| 252-30 (cont.) | 17-Aug | 18 | 18 | 0 | 0 | 334 | 1,560 | 3,328 | 26,248 | 26,988 | 121,779 | 20 | 131 |
| | 18-Aug [a] | | | | | | | | | | | | |
| | 19-Aug | 12 | 12 | 0 | 0 | 74 | 356 | 5,058 | 40,658 | 27,201 | 114,355 | 43 | 318 |
| | 20-Aug | 18 | 18 | 0 | 0 | 234 | 1,337 | 4,028 | 33,533 | 24,880 | 92,082 | 25 | 182 |
| | 21-Aug | 8 | 8 | 0 | 0 | 5 | 25 | 945 | 8,750 | 5,997 | 23,607 | 3 | 24 |
| | 22-Aug | 4 | 4 | 0 | 0 | 49 | 243 | 539 | 4,533 | 1,738 | 7,428 | 5 | 37 |
| | 23-Aug | 3 | 3 | 0 | 0 | 0 | 0 | 291 | 2,399 | 2,142 | 8,032 | 0 | 0 |
| | 24-Aug [a] | | | | | | | | | | | | |
| | 25-Aug [a] | | | | | | | | | | | | |
| | 26-Aug | 3 | 3 | 0 | 0 | 84 | 358 | 424 | 3,423 | 1,626 | 5,912 | 20 | 143 |
| | 27-Aug | 8 | 8 | 0 | 0 | 28 | 127 | 2,873 | 23,355 | 10,571 | 39,382 | 15 | 102 |
| | 28-Aug | 3 | 3 | 0 | 0 | 3 | 11 | 1,155 | 8,651 | 3,364 | 14,229 | 2 | 7 |
| | 29-Aug | 6 | 6 | 0 | 0 | 128 | 585 | 1,002 | 9,212 | 2,860 | 10,105 | 3 | 21 |
| | 30-Aug | 6 | 6 | 0 | 0 | 16 | 77 | 2,702 | 23,674 | 6,886 | 25,597 | 4 | 33 |
| | 31-Aug [a] | | | | | | | | | | | | |
| | 1-Sep | 5 | 5 | 0 | 0 | 9 | 45 | 1,621 | 12,445 | 2,337 | 8,909 | 3 | 25 |
| | 2-Sep [a] | | | | | | | | | | | | |
| | 3-Sep | 3 | 3 | 0 | 0 | 25 | 118 | 1,001 | 8,965 | 1,044 | 4,498 | 5 | 32 |
| | 4-Sep | 3 | 3 | 0 | 0 | 7 | 33 | 397 | 3,470 | 749 | 2,935 | 0 | 0 |
| | 5-Sep | 3 | 3 | 0 | 0 | 1 | 7 | 103 | 883 | 201 | 665 | 0 | 0 |
| Total | | 107 | 721 | 59 | 536 | 8,543 | 38,192 | 67,703 | 533,147 | 1,850,469 | 7,080,627 | 89,718 | 692,532 |
| Average weight | | | | | 9.1 | | 4.5 | | 7.9 | | 3.8 | | 7.7 |
| Duck Bay | 12-Jun [a] | | | | | | | | | | | | |
| Section | 14-Jun [a] | | | | | | | | | | | | |
| 252-31 & 35 | 15-Jun [a] | | | | | | | | | | | | |
| (cont.) | 16-Jun | 4 | 4 | 2 | 8 | 3,045 | 14,484 | 0 | 0 | 304 | 937 | 2,358 | 17,992 |
| | 17-Jun [a] | | | | | | | | | | | | |
| | 18-Jun | 4 | 4 | 11 | 34 | 993 | 4,492 | 0 | 0 | 163 | 498 | 1,933 | 14,860 |
| | 19-Jun [a] | | | | | | | | | | | | |
| | 20-Jun | 3 | 4 | 1 | 3 | 555 | 2,663 | 0 | 0 | 109 | 322 | 1,486 | 14,798 |

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Appendix G3.–Page 4 of 7.

| Management Unit | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Duck Bay | 21-Jun | 3 | 3 | 0 | 0 | 18 | 49 | 1 | 6 | 6 | 13 | 294 | 2,491 |
| Section | 4-Jul [a] | | | | | | | | | | | | |
| 252-31 & 35 | 6-Jul | 11 | 11 | 16 | 65 | 302 | 1,378 | 360 | 2,612 | 477 | 1,474 | 10,263 | 87,689 |
| (cont.) | 7-Jul | 3 | 3 | 6 | 22 | 80 | 390 | 122 | 749 | 73 | 279 | 2,385 | 20,250 |
| | 8-Jul [a] | | | | | | | | | | | | |
| | 13-Jul | 12 | 12 | 9 | 38 | 1,077 | 5,314 | 783 | 5,328 | 2,513 | 7,977 | 6,430 | 50,264 |
| | 14-Jul | 4 | 4 | 4 | 56 | 438 | 2,823 | 122 | 1,137 | 963 | 3,317 | 1,168 | 8,689 |
| | 15-Jul | 10 | 10 | 1 | 2 | 381 | 1,857 | 163 | 1,132 | 984 | 3,769 | 1,253 | 9,308 |
| | 23-Jul | 8 | 8 | 3 | 33 | 576 | 2,843 | 853 | 7,507 | 11,722 | 37,633 | 922 | 8,305 |
| | 24-Jul [a] | | | | | | | | | | | | |
| | 25-Jul | 3 | 3 | 4 | 24 | 240 | 1,076 | 366 | 2,867 | 3,012 | 13,496 | 157 | 1,419 |
| | 28-Jul [a] | | | | | | | | | | | | |
| | 29-Jul [a] | | | | | | | | | | | | |
| | 4-Aug | 17 | 21 | 0 | 0 | 840 | 4,011 | 4,259 | 30,697 | 140,133 | 573,309 | 396 | 2,732 |
| | 5-Aug | 33 | 34 | 4 | 36 | 873 | 4,049 | 6,445 | 46,766 | 190,161 | 810,650 | 597 | 4,244 |
| | 6-Aug | 17 | 18 | 13 | 127 | 170 | 867 | 2,258 | 16,723 | 84,386 | 340,121 | 248 | 1,570 |
| | 9-Aug [a] | | | | | | | | | | | | |
| | 13-Aug | 13 | 13 | 1 | 8 | 241 | 1,179 | 2,190 | 18,734 | 40,935 | 147,592 | 69 | 469 |
| | 14-Aug | 3 | 3 | 0 | 0 | 90 | 379 | 201 | 1,564 | 4,885 | 16,625 | 12 | 93 |
| | 15-Aug | 15 | 15 | 0 | 0 | 152 | 694 | 2,009 | 16,111 | 28,923 | 104,480 | 23 | 162 |
| | 16-Aug | 10 | 11 | 0 | 0 | 666 | 3,177 | 2,683 | 20,469 | 26,671 | 108,307 | 85 | 611 |
| | 17-Aug | 11 | 12 | 0 | 0 | 345 | 1,621 | 2,245 | 18,012 | 29,897 | 115,247 | 44 | 332 |
| | 18-Aug | 3 | 3 | 0 | 0 | 102 | 469 | 417 | 4,098 | 5,746 | 17,372 | 38 | 317 |
| | 19-Aug | 5 | 5 | 0 | 0 | 61 | 302 | 1,895 | 16,469 | 19,916 | 82,396 | 31 | 180 |
| | 20-Aug | 6 | 6 | 4 | 19 | 287 | 1,477 | 1,096 | 7,772 | 10,482 | 41,415 | 28 | 221 |
| | 21-Aug | 10 | 10 | 0 | 0 | 34 | 154 | 2,296 | 17,956 | 18,669 | 63,843 | 13 | 85 |
| | 22-Aug [a] | | | | | | | | | | | | |
| | 24-Aug | 3 | 3 | 0 | 0 | 2 | 9 | 1,371 | 13,458 | 7,240 | 31,940 | 0 | 0 |
| | 25-Aug [a] | | | | | | | | | | | | |
| | 26-Aug | 4 | 4 | 0 | 0 | 33 | 160 | 365 | 3,347 | 3,336 | 13,426 | 3 | 14 |
| | 28-Aug [a] | | | | | | | | | | | | |

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Appendix G3.–Page 5 of 7.

| Management Unit | Date | Permits | Landings | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Duck Bay Section 252-31 & 35 (cont.) | 29-Aug [a] | | | | | | | | | | | | |
| | 31-Aug [a] | | | | | | | | | | | | |
| | 1-Sep [a] | | | | | | | | | | | | |
| | 3-Sep [a] | | | | | | | | | | | | |
| | 4-Sep [a] | | | | | | | | | | | | |
| | 5-Sep [a] | | | | | | | | | | | | |
| Total | | 73 | 251 | 94 | 655 | 13,715 | 65,884 | 37,045 | 292,971 | 666,316 | 2,674,107 | 33,738 | 277,193 |
| Average weight | | | | | 7.0 | | 4.8 | | 7.9 | | 4.0 | | 8.2 |
| Inner & Outer Kitoi Bay Sections 252-32 | 9-Jun [a] | | | | | | | | | | | | |
| | 11-Jun [a] | | | | | | | | | | | | |
| | 13-Jun [a] | | | | | | | | | | | | |
| | 14-Jun [a] | | | | | | | | | | | | |
| | 15-Jun [a] | | | | | | | | | | | | |
| | 16-Jun [a] | | | | | | | | | | | | |
| | 17-Jun [a] | | | | | | | | | | | | |
| | 18-Jun | 4 | 4 | 0 | 0 | 114 | 570 | 0 | 0 | 29 | 115 | 4,168 | 32,860 |
| | 19-Jun | 10 | 10 | 0 | 0 | 395 | 2,177 | 0 | 0 | 40 | 174 | 5,923 | 49,720 |
| | 20-Jun | 5 | 5 | 0 | 0 | 3 | 12 | 0 | 0 | 9 | 30 | 1,451 | 12,680 |
| | 21-Jun | 5 | 5 | 2 | 9 | 22 | 90 | 0 | 0 | 11 | 27 | 1,636 | 15,374 |
| | 22-Jun | 4 | 4 | 1 | 3 | 3 | 9 | 0 | 0 | 0 | 0 | 1,268 | 11,239 |
| | 23-Jun | 5 | 5 | 19 | 132 | 5 | 28 | 0 | 0 | 1 | 3 | 1,796 | 14,472 |
| | 24-Jun | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 622 | 5,456 |
| | 25-Jun | 4 | 4 | 0 | 0 | 21 | 50 | 0 | 0 | 3 | 9 | 1,393 | 11,093 |
| | 26-Jun | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,052 | 8,839 |
| | 18-Jul | 5 | 5 | 0 | 0 | 11 | 41 | 2 | 11 | 24 | 84 | 347 | 2,257 |
| | 19-Jul [a] | | | | | | | | | | | | |
| | 20-Jul | 5 | 5 | 2 | 8 | 149 | 731 | 276 | 2,650 | 1,167 | 3,545 | 6,041 | 48,796 |
| | 21-Jul | 4 | 4 | 0 | 0 | 67 | 261 | 1 | 7 | 705 | 2,181 | 3,738 | 24,248 |
| | 22-Jul [a] | | | | | | | | | | | | |

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Appendix G3.–Page 6 of 7.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Inner & Outer | 23-Jul | 6 | 6 | 0 | 0 | 125 | 556 | 206 | 1,541 | 4,139 | 13,321 | 3,639 | 29,779 |
| Kitoi Bay | 24-Jul [a] | | | | | | | | | | | | |
| Sections | 25-Jul | 4 | 4 | 0 | 0 | 7 | 29 | 6 | 50 | 2,395 | 8,864 | 1,689 | 16,197 |
| 252-32 | 26-Jul [a] | | | | | | | | | | | | |
| | 27-Jul | 4 | 4 | 0 | 0 | 71 | 287 | 132 | 901 | 6,760 | 23,645 | 364 | 2,648 |
| | 28-Jul [a] | | | | | | | | | | | | |
| | 29-Jul | 5 | 7 | 0 | 0 | 36 | 142 | 82 | 555 | 17,795 | 58,387 | 270 | 1,839 |
| | 30-Jul | 5 | 5 | 0 | 0 | 178 | 808 | 796 | 5,606 | 27,013 | 95,320 | 132 | 722 |
| | 31-Jul | 5 | 5 | 0 | 0 | 5 | 20 | 48 | 320 | 11,657 | 43,170 | 46 | 323 |
| | 1-Aug | 3 | 3 | 0 | 0 | 11 | 45 | 107 | 745 | 16,486 | 64,785 | 32 | 176 |
| | 9-Aug | 56 | 69 | 28 | 155 | 1,488 | 7,399 | 1,029 | 7,880 | 386,296 | 1,538,027 | 106 | 750 |
| | 13-Aug | 9 | 9 | 0 | 0 | 39 | 215 | 614 | 6,223 | 14,479 | 53,266 | 30 | 206 |
| | 14-Aug | 12 | 12 | 4 | 26 | 50 | 224 | 936 | 7,886 | 23,249 | 87,336 | 8 | 57 |
| | 15-Aug | 29 | 30 | 0 | 0 | 36 | 169 | 4,754 | 36,423 | 92,693 | 397,845 | 16 | 83 |
| | 16-Aug | 7 | 7 | 0 | 0 | 59 | 268 | 503 | 3,478 | 9,041 | 37,212 | 0 | 0 |
| | 17-Aug | 5 | 5 | 0 | 0 | 0 | 0 | 214 | 1,828 | 4,371 | 18,092 | 0 | 0 |
| | 18-Aug | 3 | 3 | 0 | 0 | 28 | 138 | 660 | 4,952 | 14,716 | 51,504 | 7 | 44 |
| | 19-Aug [a] | | | | | | | | | | | | |
| | 20-Aug | 3 | 3 | 0 | 0 | 6 | 22 | 1,881 | 15,754 | 6,710 | 25,845 | 1 | 10 |
| | 21-Aug | 11 | 11 | 0 | 0 | 22 | 85 | 4,445 | 37,933 | 14,109 | 56,007 | 4 | 23 |
| | 22-Aug | 7 | 7 | 0 | 0 | 50 | 322 | 920 | 7,759 | 2,850 | 11,128 | 3 | 22 |
| | 29-Aug | 5 | 5 | 0 | 0 | 18 | 83 | 2,089 | 17,928 | 3,892 | 14,349 | 0 | 0 |
| | 30-Aug [a] | | | | | | | | | | | | |
| | 31-Aug | 4 | 4 | 0 | 0 | 21 | 94 | 922 | 8,858 | 2,405 | 7,075 | 5 | 35 |
| | 1-Sep | 5 | 5 | 0 | 0 | 1 | 3 | 1,324 | 11,410 | 2,125 | 6,760 | 0 | 0 |
| | 2-Sep | 5 | 5 | 0 | 0 | 0 | 0 | 633 | 5,187 | 1,106 | 3,661 | 1 | 8 |
| | 3-Sep [a] | | | | | | | | | | | | |
| | 4-Sep [a] | | | | | | | | | | | | |

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| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Inner & Outer Kitoi Bay Sections 252-32 | 5-Sep [a] | | | | | | | | | | | | |
| | 11-Sep [a] | | | | | | | | | | | | |
| Total | | 92 | 292 | 57 | 338 | 3,267 | 15,903 | 25,074 | 205,773 | 683,179 | 2,685,054 | 42,842 | 345,423 |
| Average weight | | | | | 5.93 | | 4.87 | | 8.21 | | 3.93 | | 8.06 |
| Management Units Targeting Kitoi Hatchery (Inner & Outer Kitoi, Izhut and Duck Bay Sections) | | | | | | | | | | | | | |
| Subtotal | | 123 | 1,264 | 210 | 1,529 | 25,525 | 119,978 | 129,822 | 1,031,891 | 3,199,964 | 12,439,787 | 166,298 | 1,315,148 |
| Average weight | | | | | 7.28 | | 4.70 | | 7.95 | | 3.89 | | 7.91 |
| East Afognak Management Units | | | | | | | | | | | | | |
| Grand Total | | 123 | 1,283 | 210 | 1,529 | 25,543 | 120,068 | 137,050 | 1,087,209 | 3,200,710 | 12,442,437 | 166,406 | 1,315,909 |
| Average weight | | | | | 7.28 | | 4.70 | | 7.93 | | 3.89 | | 7.91 |

# APPENDIX H. SPIRIDON BAY SPECIAL HARVEST AREA FISHERY SUMMARY

Appendix H1.–Narrative account of the Spiridon Bay Special Harvest Area sockeye salmon fishery in the Kodiak Management Area, 2018.

## INTRODUCTION

Adult sockeye salmon return each year to Telrod Cove in Spiridon Bay as a result of a juvenile stocking program of Spiridon Lake and net pen production in Telrod Cove conducted by Kodiak Regional Aquaculture Association (KRAA; Appendix H2). Some of these fish were harvested in Westside Kodiak commercial fisheries, and the remainder were harvested in a terminal fishery in the Spiridon Bay Special Harvest Area (SBSHA) in Telrod Cove. A total return of approximately 274,000 Spiridon Lake sockeye salmon (including Telrod Cove net pen production) were expected in 2018 (Brenner et a. 2018). Sockeye salmon stocked into Spiridon Lake were from Saltery Lake broodstock. Spiridon Lake sockeye salmon are expected to return in late June to early July, peak in mid- to late July, and end by mid-August. This run timing should follow the Saltery Lake sockeye salmon stock.

### 2018 Spiridon Bay Sockeye Salmon Fishery

KRAA conducted a cost-recovery harvest to help fund the stocking program. The cost-recovery harvest began on July 6, continued until July 29, and harvested 51,790 sockeye, 2,652 pink, and 299 chum salmon. With the conclusion of the cost-recovery harvest, the common property fishery was opened on August 1 and remained open until the sockeye salmon run began to subside (August 16). Nineteen seine permit holders harvested a total of zero Chinook, 11,705 sockeye, 13 coho, 2,448 pink, and 225 chum salmon in the common property fishery in SBSHA (Appendix H3). The total number of sockeye salmon harvested in Telrod Cove was 62,291 fish, 83% (51,790 fish) of which were harvested for cost recovery (Appendix H4).

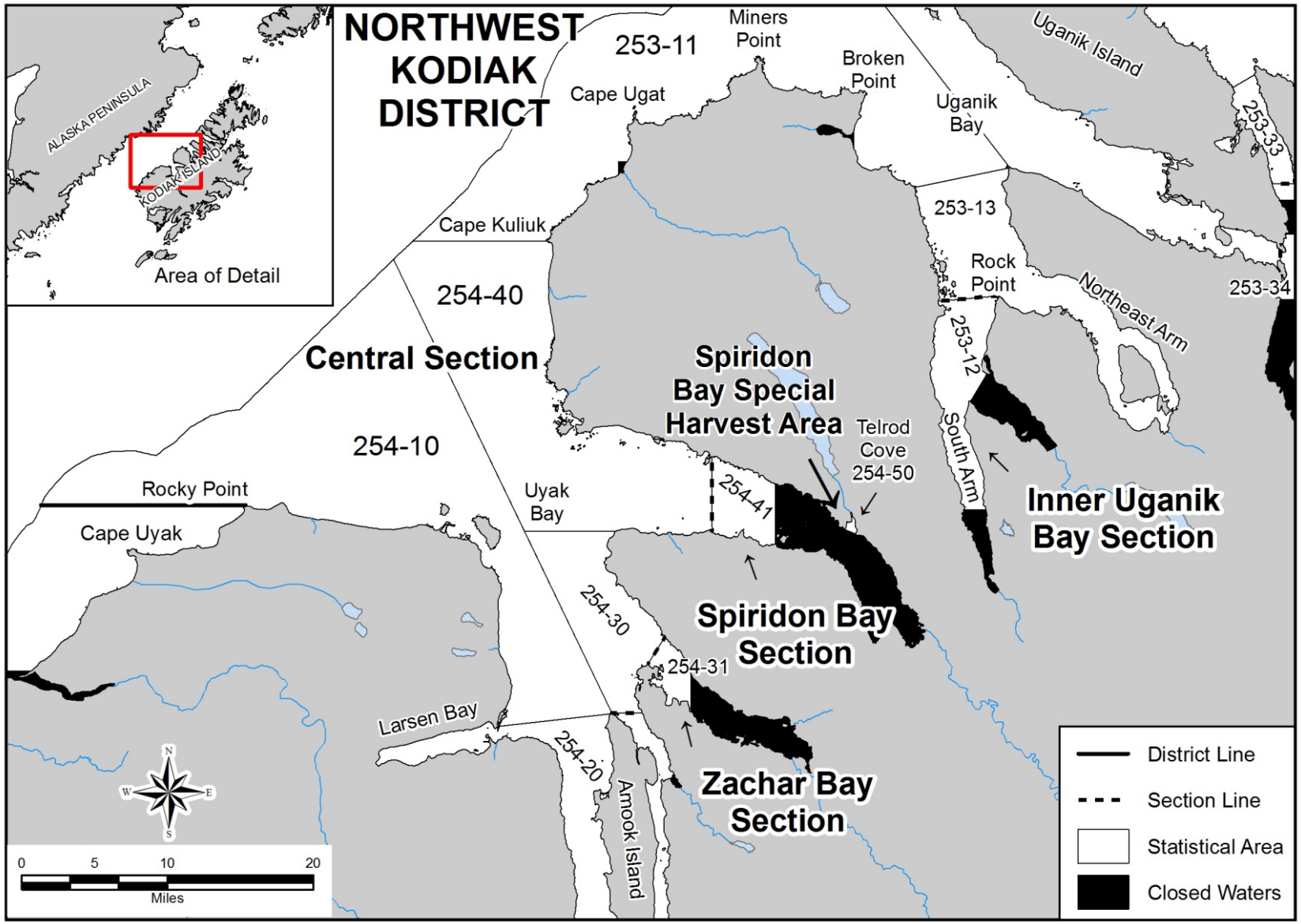
In 2018, limited fishing time along the west side of Kodiak Island for salmon in mid-July continued throughout the rest of the month and into early August as it became known that the pink salmon run was either late or not materializing. As a result of the decreased fishing time in July, the percentage of Spiridon-bound sockeye salmon harvested in areas outside of SBSHA was lower than in some previous years, when a large pink salmon return resulted in increased fishing time. The total number of sockeye salmon returning to the Spiridon enhancement project that were sold in 2018 was estimated at 148,623 fish, with approximately 51% (75,420 fish) harvested within SBSHA/Spiridon Bay Section and an estimated 49% (73,203 fish) harvested in the Southwest Afognak Section of the Afognak District and the Central, North Cape, and Spiridon Bay sections of the Northwest Kodiak District (Appendix H4). This estimate was based on the correlation between the number of days of commercial fishing in the Central Section of the Northwest Kodiak District (excluding the SBSHA) and the previously estimated portion of Spiridon Lake sockeye salmon harvested in the SBSHA determined from scale pattern analyses from commercial harvests from 2008 to 2012 (Moore 2013).

## REFERENCES CITED

Brenner, R. E., A. R. Munro, and J. C. Shriver, editors. 2018. Run forecasts and harvest projections for 2018 Alaska salmon fisheries and review of the 2017 season. Alaska Department of Fish and Game, Special Publication No. 18-09, Anchorage.

Moore, M. L. 2013. Kodiak Management Area salmon escapement and catch sampling results, 2012. Alaska Department of Fish and Game, Fishery Data Series No. 13-48, Anchorage.

Appendix H2.–Map of the Spiridon Bay Special Harvest Area in the Northwest Kodiak District.



Appendix H3.–Daily salmon harvest by species in the Spiridon Bay Special Harvest Area, 2018.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Spiridon Bay SHA | 1-Aug | 6 | 7 | 0 | 0 | 1,798 | 8,146 | 3 | 21 | 309 | 1,076 | 14 | 117 |
| 254-50 | 2-Aug | 12 | 12 | 0 | 0 | 3,156 | 14,837 | 1 | 4 | 586 | 2,269 | 68 | 540 |
| | 3-Aug | 7 | 7 | 0 | 0 | 1,867 | 9,255 | 2 | 16 | 451 | 1,526 | 95 | 692 |
| | 4-Aug | 3 | 3 | 0 | 0 | 713 | 4,088 | 1 | 10 | 231 | 758 | 36 | 282 |
| | 5-Aug [a] | | | | | | | | | | | | |
| | 6-Aug [a] | | | | | | | | | | | | |
| | 7-Aug [a] | | | | | | | | | | | | |
| | 8-Aug [a] | | | | | | | | | | | | |
| | 9-Aug [a] | | | | | | | | | | | | |
| | 10-Aug [a] | | | | | | | | | | | | |
| | 16-Aug | 3 | 3 | 0 | 0 | 900 | 5,566 | 6 | 60 | 261 | 1,173 | 7 | 55 |
| Total | | 19 | 44 | 0 | 0 | 11,705 | 58,406 | 13 | 111 | 2,448 | 9,171 | 225 | 1,740 |
| Average weight | | | | | 0.0 | | 4.99 | | 8.55 | | 3.75 | | 7.73 |

*Note*: Harvest does not include fish set aside for personal use or fish harvested in cost-recovery fisheries.

[a] Confidential

Appendix H4.–Estimated contribution to the commercial harvest from the Spiridon Lake sockeye salmon enhancement project by locality in the Kodiak Management Area, 2018.

| | Actual | Estimated | |
|---|---|---|---|
| | Telrod Cove (254-50) and Spiridon Bay (254-41) | Southwest Afognak Section and NW Kodiak District | Westside Total |
| Cost recovery | 51,790 | 0 | 51,790 |
| Common property | 23,630 | 73,203 | 96,833 |
| Total harvest | 75,420 | 73,203 | 148,623 |
| Percent | 51% | 49% | 100% |

# APPENDIX I. EASTSIDE KODIAK FISHERY SUMMARY

Appendix I1.–Narrative account of the Eastside Kodiak salmon fishery in the Kodiak Management Area, 2018.

## INTRODUCTION

The goal of the *Eastside Kodiak Salmon Management Plan* is to achieve escapement and harvest objectives for sockeye, pink, chum, and coho salmon returning to spawning streams in the Northeast Kodiak and Eastside Kodiak districts. This plan details the key species and targeted stocks that are managed in each of these sections throughout the fishing season (5 AAC 18.367).

For the Northeast Kodiak District (Appendix I2), all sections are to remain closed to commercial salmon fishing until July 6, when the pink salmon fishery begins for most of the Kodiak Management Area (Fuerst and Jackson 2018). Fishing opportunities through August 24 are based on the abundance of local and mixed pink and chum salmon, except that in the Buskin River Section from July 6 to July 15 fishing could be allowed based on local pink salmon and Buskin River sockeye salmon. From August 25 to September 5, fishing periods are based on the abundance of local pink and coho salmon, and after September 5, on local coho salmon.

For most of the Eastside Kodiak District in 2018 (Appendix I3), not more than two 33-hour fishing periods could occur between June 14 and July 5 to harvest local and migrating sockeye salmon. The Inner Ugak Bay Section could not open for more than two 33-hour fishing periods between June 14 and June 21. From June 22 to July 5, fishing opportunities are based on sockeye salmon bound to either the Pasagshak River in Outer Ugak Bay Section or the Saltery River in Inner Ugak Bay Section. From July 6 to August 24, fishing opportunities in all sections are based on the abundance of local and mixed pink and chum salmon, except that in Inner Ugak Bay Section, Saltery Lake sockeye salmon escapement must be considered through July 31. From August 25 to September 5, fishing periods are based on the abundance of local pink, chum, and coho salmon, and after September 5, on local coho salmon abundance (5 AAC 18.367).

Within the Buskin River Section of the Northeast Kodiak District, the Buskin Lake system produces a significant run of sockeye salmon that is targeted by a large number of subsistence fishermen. A weir is operated on the Buskin River to enumerate escapement. Within the Inner Ugak Bay Section of the Eastside Kodiak District, the Saltery Lake system produces a significant run of sockeye salmon. A weir is operated on this stream by Kodiak Regional Aquaculture Association and ADF&G to enumerate sockeye salmon. Additionally, ADF&G operates a weir on the Pasagshak River to enumerate sockeye salmon that are targeted by subsistence and sport fishermen. Other minor sockeye salmon systems are present in the Eastside Kodiak District, including Lake Miam and Ocean Beach.

### 2018 Eastside Kodiak Fisheries

The Saltery River sockeye salmon run was low to moderate with a cumulative escapement past Saltery weir of 22,845 fish (Fuerst 2019) which is within the desired escapement goal range of 15,000 to 35,000 fish (Fuerst and Jackson 2018). There were only two 33-hour fishing periods (June 14 and June 21) in the Inner Ugak Bay Section in June due to low escapements of Saltery sockeye salmon. Additionally, no commercial salmon fishing periods were allowed from early July until September due to low pink salmon escapements (Appendix B1).

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The Buskin River sockeye salmon run was weak during the 2018 season resulting in expanded closed waters for the subsistence fishery and no commercial salmon fishing periods in the Buskin Section. A total of 4,523 sockeye salmon passed above the Buskin River weir (Fuerst 2019), which was below the escapement goal range of 5,000 to 8,000 fish (Schaberg et al. 2016).

For the Pasagshak River, peak aerial surveys were used to establish the escapement goal. The 2018 peak aerial survey total of 1,100 sockeye salmon did not meet the lower-bound SEG of 3,000 fish (Schaberg et al. 2016). A total of 2,019 sockeye salmon were estimated to have passed the Pasagshak River weir in 2018 (Fuerst 2019) resulting in expanded closed waters within the subsistence fishery to protect escapement.

The total commercial harvest for the Eastside Kodiak management units by 56 permit holders included 1,117 Chinook, 25,248 sockeye, 57,494 coho, 59,518 pink, and 65,132 chum salmon (Appendix I4). The last day of commercial salmon harvest in the Eastside Kodiak District was September 24.

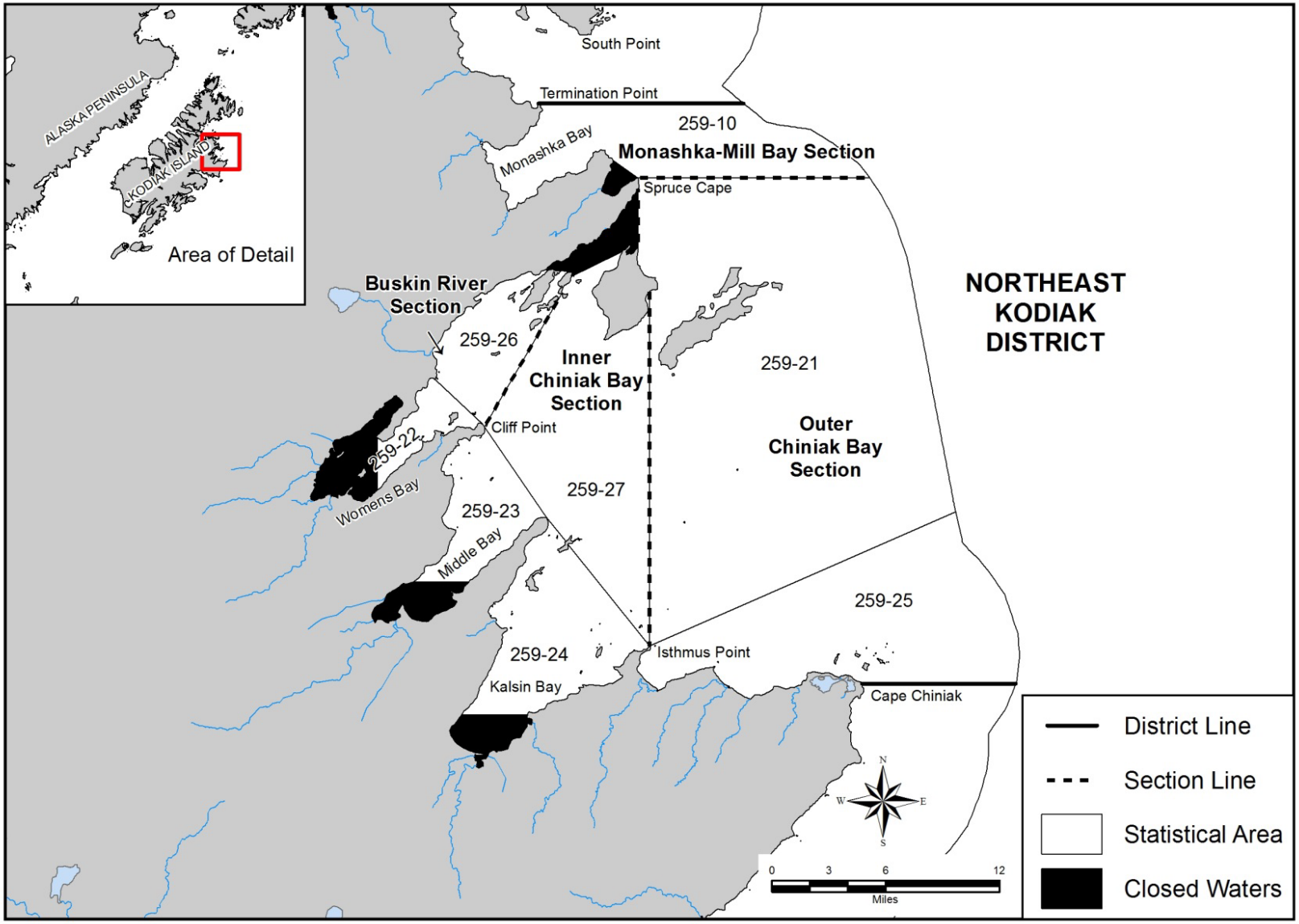
## REFERENCES CITED

Fuerst, B. A. 2019. Kodiak Management Area weir descriptions and salmon escapement report, 2017. Alaska Department of Fish and Game, Fisheries Management Report No. 19-14, Anchorage.

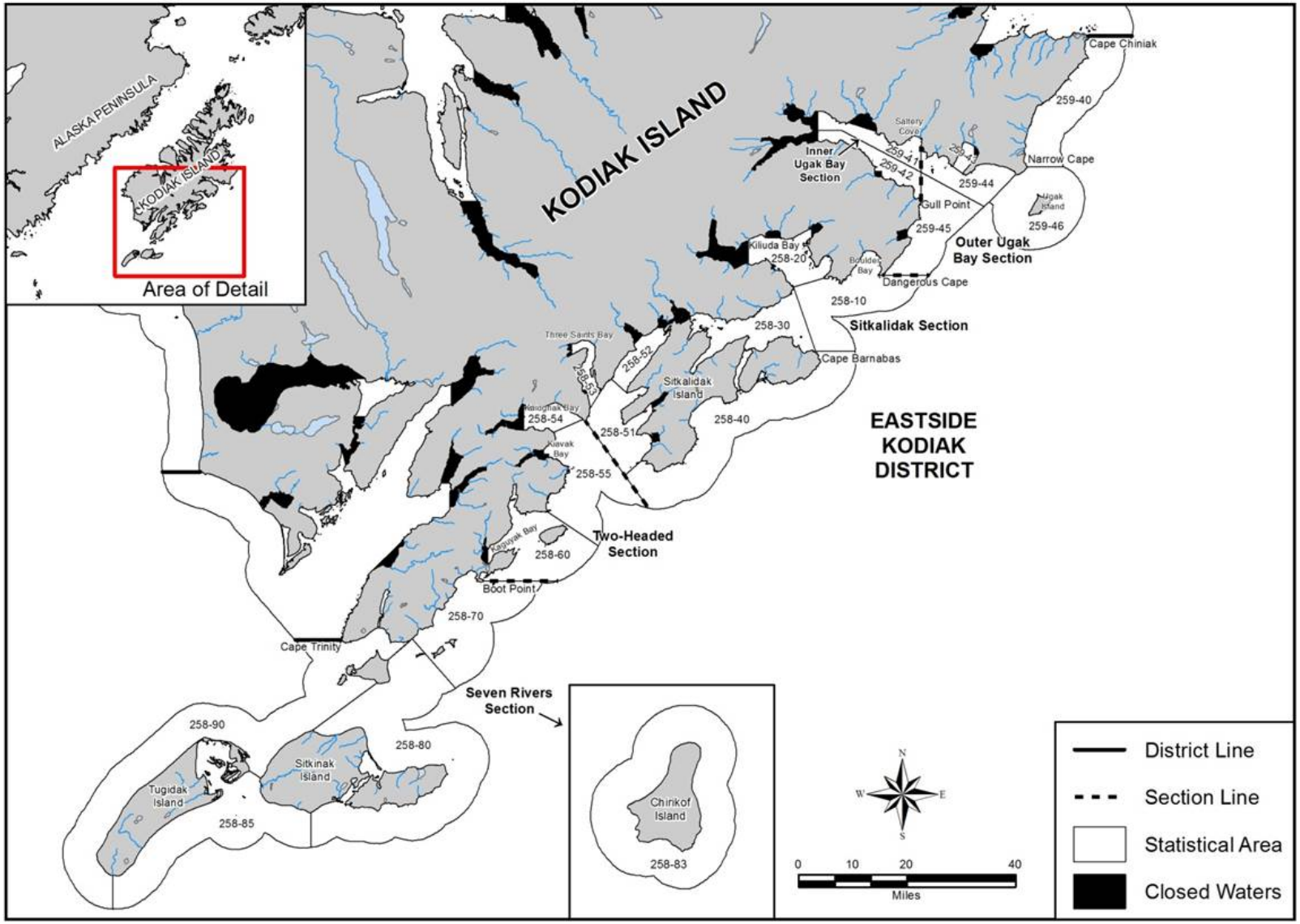
Fuerst, B. A., and J. Jackson. 2018. Kodiak management area harvest strategy for the 2018 commercial salmon fishery. Alaska Department of Fish and Game, Regional Information Report No. 4K18-02, Kodiak.

Schaberg, K. L., M. B. Foster, M. Wattum, and T. R. McKinley. 2016. Review of salmon escapement goals in the Kodiak Management Area, 2016. Alaska Department of Fish and Game, Fishery Manuscript Series No. 16-09, Anchorage.

Appendix I2.–Map of the Northeast Kodiak District commercial salmon fishing sections and statistical areas.



Appendix I3.–Map of the Eastside Kodiak District commercial salmon fishing sections and statistical areas.



Appendix I4.–Daily commercial salmon harvest by species for the Eastside Kodiak Management Plan units, 2018.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Eastside Kodiak | 14-Jun | 6 | 6 | 32 | 372 | 1,364 | 6,821 | 0 | 0 | 394 | 1,326 | 5,407 | 40,780 |
| District | 15-Jun | 3 | 3 | 5 | 29 | 185 | 793 | 0 | 0 | 47 | 158 | 1,147 | 11,119 |
| | 21-Jun | 12 | 12 | 54 | 256 | 1,267 | 5,438 | 2 | 9 | 501 | 1,577 | 8,276 | 56,788 |
| | 22-Jun | 10 | 11 | 26 | 156 | 2,821 | 12,709 | 0 | 0 | 1,139 | 3,988 | 13,589 | 74,903 |
| | 6-Jul | 17 | 17 | 192 | 809 | 3,571 | 16,699 | 2,233 | 14,280 | 1,467 | 5,364 | 8,438 | 62,581 |
| | 7-Jul | 8 | 9 | 101 | 619 | 1,880 | 8,529 | 505 | 3,359 | 840 | 2,843 | 3,970 | 28,062 |
| | 8-Jul | 12 | 13 | 66 | 435 | 1,507 | 7,919 | 325 | 2,276 | 1,389 | 5,224 | 2,693 | 22,280 |
| | 13-Jul | 5 | 5 | 136 | 528 | 1,717 | 9,108 | 1,637 | 11,520 | 1,404 | 5,475 | 3,349 | 26,572 |
| | 14-Jul | 7 | 8 | 3 | 36 | 2,595 | 10,726 | 4,056 | 19,696 | 2,189 | 7,142 | 3,855 | 28,556 |
| | 15-Jul | 5 | 5 | 220 | 753 | 1,733 | 7,642 | 5,299 | 36,968 | 3,460 | 10,920 | 4,770 | 37,713 |
| | 23-Jul | 12 | 12 | 127 | 454 | 3,317 | 15,996 | 5,944 | 40,578 | 22,612 | 87,201 | 5,225 | 35,786 |
| | 24-Jul | 4 | 4 | 126 | 459 | 1,699 | 9,309 | 7,333 | 47,806 | 17,641 | 69,377 | 1,721 | 12,224 |
| | 25-Jul | 10 | 10 | 25 | 102 | 846 | 4,347 | 1,126 | 7,079 | 6,375 | 24,650 | 1,730 | 13,787 |
| | 19-Aug [a] | | | | | | | | | | | | |
| | 7-Sep | 3 | 3 | 0 | 0 | 3 | 15 | 495 | 4,450 | 6 | 23 | 106 | 756 |
| | 8-Sep | 5 | 5 | 0 | 0 | 2 | 9 | 2,957 | 31,611 | 3 | 9 | 660 | 4,395 |
| | 9-Sep [a] | | | | | | | | | | | | |
| | 14-Sep | 5 | 5 | 0 | 0 | 705 | 3,285 | 4,476 | 41,988 | 0 | 0 | 6 | 41 |
| | 15-Sep [a] | | | | | | | | | | | | |
| | 16-Sep | 5 | 5 | 0 | 0 | 0 | 0 | 4,633 | 51,148 | 1 | 3 | 38 | 278 |
| | 21-Sep | 4 | 4 | 0 | 0 | 9 | 48 | 2,381 | 21,052 | 0 | 0 | 37 | 266 |
| | 22-Sep | 7 | 7 | 4 | 17 | 2 | 11 | 8,027 | 83,398 | 0 | 0 | 108 | 767 |
| | 23-Sep | 4 | 4 | 0 | 0 | 0 | 0 | 1,738 | 17,087 | 0 | 0 | 7 | 51 |
| | 24-Sep [a] | | | | | | | | | | | | |
| Total | | 56 | 153 | 1,117 | 5,025 | 25,248 | 119,519 | 57,494 | 475,418 | 59,518 | 225,485 | 65,132 | 457,705 |
| Average weight | | | | | 4.50 | | 4.73 | | 8.27 | | 3.79 | | 7.03 |

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Appendix I4.–Page 2 of 2.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Northeast Kodiak District | 6-Jul [a] | | | | | | | | | | | | |
| Total[a] | | | | | | | | | | | | | |
| Average weight | | | | | | | | | | | | | |
| Eastside Management Plan | | | | | | | | | | | | | |
| Total | | 57 | 154 | 1,119 | 5,048 | 25,276 | 119,690 | 57,539 | 475,782 | 59,534 | 225,556 | 65,174 | 458,088 |
| Average weight | | | | | 4.51 | | 4.74 | | 8.27 | | 3.79 | | 7.03 |

[a] Confidential.

# APPENDIX J. NORTH AFOGNAK/SHUYAK FISHERY SUMMARY

Appendix J1.–Narrative account of the North Afognak/Shuyak salmon fishery in the Kodiak Management Area, 2018.

## INTRODUCTION

In November of 1995, the Board of Fisheries adopted the *North Afognak/Shuyak Island Salmon Management Plan* into regulation (5 AAC 18.368). This plan governs all commercial salmon fisheries on the north end of the Kodiak Archipelago. Though no comprehensive regulatory management plan was in effect prior to that date, the commercial fisheries of the area had followed a framework developed by fishery managers in the early 1970s, with the harvest strategy remaining nearly unchanged after 1987. The goal of this plan is to achieve escapement and harvest objectives for sockeye, pink, and coho salmon returning to spawning systems located in the Northeast Afognak, Perenosa Bay, Pauls Bay, Shuyak Island, and Northwest Afognak sections of the Afognak District (Appendix J2). This plan details the key species and targeted stocks that are managed in each of these sections throughout the fishing season. This plan went into effect during the 1996 season and was most recently modified in 2005.

For the Northeast Afognak and Shuyak Island sections, commercial salmon fishing was to remain closed until July 6 when the general pink salmon fishery began for most of the Kodiak Management Area (KMA). Fishing opportunities in the Northeast Afognak Section were based on the abundance of local and migrating pink salmon through August 24, local pink and coho salmon from August 25 to September 5, and on local coho salmon after September 5. Fishing opportunities in the Shuyak Island Section were to be based on the abundance of local and mixed pink salmon through August 1, then on local coho salmon through the end of the season. From July 6 to July 25, the Shuyak Island Section was also managed in accordance with the *North Shelikof Strait Sockeye Salmon Management Plan* (5 AAC 18.363).

For the Perenosa Bay Section, from June 1 to July 5, fishing opportunities were based on sockeye salmon returning to the Pauls Bay and Portage Lake systems. Additional fishing time could be allowed to harvest enhanced sockeye salmon bound for the Little Waterfall system, but only inside the Waterfall Bay Special Harvest Area (WBSHA). From July 6 to July 20, management for the Perenosa Bay Section was based on local and migrating Kodiak pink salmon, and sockeye salmon migrating to Pauls and Portage lakes. From July 21 to August 20, management was based on the abundance of local and migrating pink salmon, from August 21 to September 5, on local pink and coho salmon, and after September 5, on the abundance of local coho salmon.

For the Northwest Afognak Section, from June 1 to July 5, fishing opportunities were based on sockeye salmon bound to the minor systems at Thorsheim Lake and Long Lagoon, although there could be no more than two 33-hour fishing periods. Additional fishing time could be allowed to harvest enhanced sockeye salmon bound for the Hidden Lake system, but only in the Foul Bay Special Harvest Area (FBSHA). From July 6 to August 24, management was based on the abundance of local and mixed pink salmon, and after August 24, fishing periods were based on the abundance of local coho salmon. Additional fishing time may be allowed to harvest enhanced coho salmon bound for the Hidden Lake System, but only in the FBSHA. From July 6 to July 25, the Northwest Afognak Section was also managed in accordance with the *North*

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*Shelikof Strait Sockeye Salmon Management Plan* (5 AAC 18.363). For the Pauls Bay Section, from June 1 to July 5, fishing opportunities were based on sockeye salmon returning to Pauls Lake. From July 6 to August 1, management of the Pauls Bay Section was based on local and mixed pink and sockeye salmon bound for Pauls Lake. After August 1, management was based on the abundance of local coho salmon.

### 2018 North Afognak/Shuyak Island Fisheries

In 2018, the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 9 and was limited initially to the FBSHA and WBSHA. Within the FBSHA, 12 permit holders harvested a total of 20,203 sockeye, zero coho or pink, and 2 chum salmon (Appendix J3). Three permit holders harvested 542 sockeye and 8 pink salmon within the WBSHA during the 2018 season (Appendix J3).

The Northwest Afognak, Pauls Bay, and Perenosa Bay sections opened on June 14 and June 21 for two 33-hour periods in order to test the strength of local Afognak sockeye salmon runs. Sockeyesalmon harvests were moderate during this time period (Appendix J3). The Pauls Bay weir at the outlet of Pauls Lake was not in operation during the 2018 season (Fuerst 2019).

In July, the Northwest Afognak, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections opened during all Kodiak Area general pink salmon fishing periods due to adequate sockeye and pink salmon escapement.

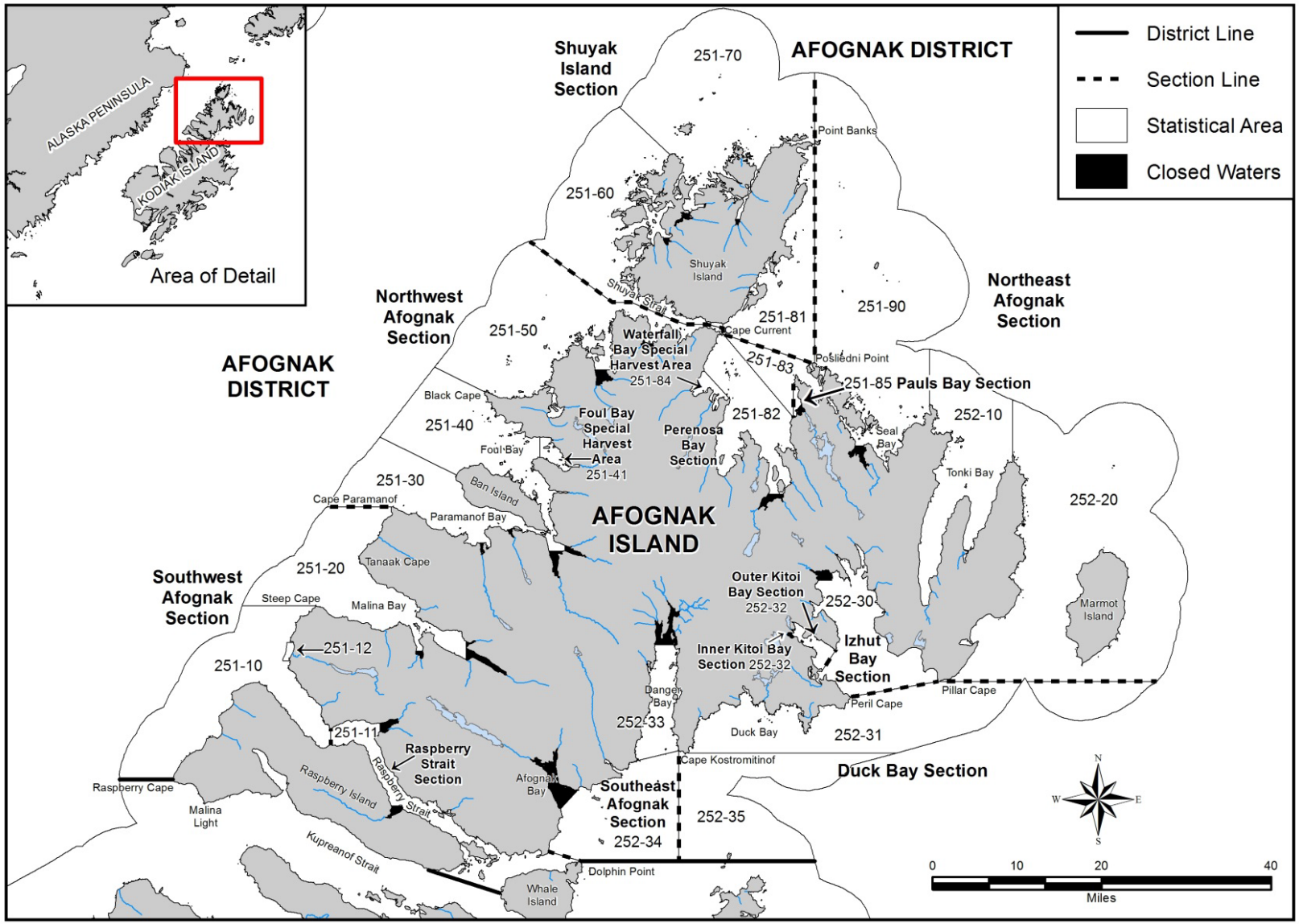
The last landing in the North Afognak/Shuyak Island management units occurred on September 15. In all the units of the North Afognak/Shuyak fishery combined, 36 permit holders made 86 landings and harvested 51 Chinook, 12,361 sockeye, 30,186 coho, 20,731 pink, and 1,918 chum salmon (Appendix J3).

Within the Pauls Bay Section a total of 13 permit holders harvested 877 sockeye, 7,777 coho, 3,237 pink, and 407 chum salmon (Appendix J3). The last day of commercial salmon harvest in the Pauls Bay Section was August 19.

## REFERENCES CITED

Fuerst, B. A. 2019. Kodiak Management Area weir descriptions and salmon escapement report, 2018. Alaska Department of Fish and Game, Fisheries Management Report No. 19-14, Anchorage.

Appendix J2.–Map of the Afognak District within the Kodiak Management Area.



Appendix J3.–Daily salmon harvest by species for the North Afognak/Shuyak Island management units, 2018.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Northeast Afognak | 15-Jul [a] | | | | | | | | | | | | |
| Section | 23-Jul | 4 | 4 | 4 | 20 | 961 | 4,892 | 1,220 | 9,679 | 1,719 | 5,150 | 541 | 5,382 |
| | 24-Jul [a] | | | | | | | | | | | | |
| | 17-Aug [a] | | | | | | | | | | | | |
| | 18-Aug [a] | | | | | | | | | | | | |
| Total | | 6 | 9 | 45 | 80 | 1,505 | 7,673 | 3,575 | 27,891 | 10,046 | 31,596 | 1,244 | 10,592 |
| Average weight | | | | | 1.78 | | 5.10 | | 7.80 | | 3.15 | | 8.51 |
| Northwest Afognak | 14-Jun | 3 | 3 | 0 | 0 | 784 | 2,746 | 0 | 0 | 0 | 0 | 0 | 0 |
| Section | 15-Jun [a] | | | | | | | | | | | | |
| (excluding Foul Bay SHA) | 21-Jun [a] | | | | | | | | | | | | |
| | 6-Jul [a] | | | | | | | | | | | | |
| | 7-Jul [a] | | | | | | | | | | | | |
| | 14-Jul [a] | | | | | | | | | | | | |
| | 17-Aug [a] | | | | | | | | | | | | |
| | 24-Aug [a] | | | | | | | | | | | | |
| | 25-Aug [a] | | | | | | | | | | | | |
| | 31-Aug [a] | | | | | | | | | | | | |
| | 2-Sep [a] | | | | | | | | | | | | |
| | 7-Sep | 3 | 3 | 0 | 0 | 12 | 34 | 4,479 | 39,153 | 0 | 0 | 2 | 14 |
| | 8-Sep [a] | | | | | | | | | | | | |
| | 14-Sep [a] | | | | | | | | | | | | |
| | 15-Sep [a] | | | | | | | | | | | | |
| Total | | 18 | 25 | 2 | 7 | 3,794 | 15,003 | 11,579 | 99,785 | 913 | 3,825 | 255 | 1,829 |
| Average weight | | | | | 3.50 | | 3.95 | | 8.62 | | 4.19 | | 7.17 |
| Foul Bay Special | 9-Jun | 11 | 11 | 1 | 9 | 3,752 | 14,891 | 0 | 0 | 0 | 0 | 2 | 17 |
| Harvest Area | 11-Jun | 4 | 4 | 0 | 0 | 406 | 1,548 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 12-Jun [a] | | | | | | | | | | | | |
| | 16-Jun [a] | | | | | | | | | | | | |

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| Management Unit | Date | Permits | Landings | Chinook Number | Chinook Pounds | Sockeye Number | Sockeye Pounds | Coho Number | Coho Pounds | Pink Number | Pink Pounds | Chum Number | Chum Pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Foul Bay Special Harvest Area (cont.) | 17-Jun [a] | | | | | | | | | | | | |
| | 27-Jun [a] | | | | | | | | | | | | |
| | 2-Jul [a] | | | | | | | | | | | | |
| Total | | 12 | 22 | 1 | 9 | 5,626 | 22,625 | 0 | 0 | 0 | 0 | 2 | 17 |
| Average weight | | | | | 9.00 | | 4.02 | | 0.00 | | 0.00 | | 8.50 |
| Pauls Bay Section | 14-Jun | 3 | 3 | 1 | 4 | 602 | 2,589 | 0 | 0 | 1 | 1 | 35 | 315 |
| | 21-Jun [a] | | | | | | | | | | | | |
| | 7-Jul [a] | | | | | | | | | | | | |
| | 23-Jul [a] | | | | | | | | | | | | |
| | 24-Jul [a] | | | | | | | | | | | | |
| | 16-Aug | 6 | 6 | 0 | 0 | 14 | 63 | 5,164 | 52,587 | 741 | 2,982 | 1 | 9 |
| | 17-Aug [a] | | | | | | | | | | | | |
| | 19-Aug [a] | | | | | | | | | | | | |
| Total | | 13 | 16 | 2 | 9 | 877 | 3,739 | 7,777 | 72,589 | 3,237 | 13,207 | 407 | 2,681 |
| Average weight | | | | | 4.50 | | 4.26 | | 9.33 | | 4.08 | | 6.59 |
| Perenosa Bay Section (Excluding Waterfall Bay) | 16-Aug | 4 | 4 | 0 | 0 | 17 | 84 | 3,785 | 28,679 | 6,134 | 24,345 | 6 | 34 |
| | 17-Aug [a] | | | | | | | | | | | | |
| Total | | 4 | 5 | 0 | 0 | 17 | 84 | 4,460 | 35,342 | 6,452 | 25,439 | 6 | 34 |
| Average weight | | | | | 0.00 | | 4.94 | | 7.92 | | 3.94 | | 5.67 |
| Waterfall Bay Special Harvest Area | 9-Jun | 3 | 3 | 1 | 5 | 313 | 1,184 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 12-Jun [a] | | | | | | | | | | | | |
| | 14-Jun [a] | | | | | | | | | | | | |
| | 18-Jun [a] | | | | | | | | | | | | |
| Total | | 4 | 7 | 1 | 5 | 542 | 2,160 | 0 | 0 | 8 | 24 | 0 | 0 |
| Average weight | | | | | 5.00 | | 3.99 | | 0.00 | | 3.00 | | 0.00 |

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| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Shuyak Island | 17-Aug [a] | | | | | | | | | | | | |
| Section | 18-Aug [a] | | | | | | | | | | | | |
| Total [a] | | | | | | | | | | | | | |
| Average weight | | | | | | | | | | | | | |
| Grand Total | | 36 | 86 | 51 | 110 | 12,361 | 51,285 | 30,186 | 258,069 | 20,731 | 74,422 | 1,918 | 15,181 |
| Average weight | | | | | 2.16 | | 4.15 | | 8.55 | | 3.59 | | 7.91 |

[a] Confidential.

# APPENDIX K. MAINLAND DISTRICT FISHERY SUMMARY

Appendix K1.–Narrative account of the Mainland District salmon fishery in the Kodiak Management Area, 2018.

## INTRODUCTION

The Mainland District of the Kodiak Management Area (KMA; Appendix K2) is covered under 3 separate regulatory management plans, 2 of which are strictly allocative plans allowing the harvest of sockeye salmon considered to be nonlocal. The *Cape Igvak Salmon Management Plan* (CISMP; 5 AAC 18.360) covers the southernmost sections of the Mainland District from June 5 to July 25 and limits the harvest of sockeye salmon considered by regulation to be Chignik-bound. The *North Shelikof Strait Sockeye Salmon Management Plan* (NSSSSMP; 5 AAC 18.363) covers the northernmost sections of the Mainland District from July 6 to 25 and limits the harvest of sockeye salmon due to concern for interception of Cook Inlet-bound fish. The *Mainland District Salmon Management Plan* (MDSMP), while recognizing these other plans, sets forth the key species and targeted stocks that are managed for in each section throughout the entire fishing season (5 AAC 18.369).

MDSMP stipulates that commercial salmon fisheries in the majority of the Mainland District remain closed until July 6, when the general pink salmon fishery begins for most of the Kodiak Management Area. The exceptions are the Cape Igvak Section (managed based on the strength of the Chignik sockeye salmon run through July 25) and two 33-hour fisheries in June targeting local sockeye salmon runs (Swikshak River sockeye salmon in the Big River Section, and Kaflia Lake sockeye salmon in the Outer Kukak Bay Section; Appendix K2). From July 6 to July 25, weekly fishing periods could not exceed 57 hours and fishing opportunities are based on the abundance of local and mixed stocks of pink and chum salmon, except in the Wide Bay Section, which remains closed. From July 25 to the end of the season, fishing periods are based on the abundance of local pink, chum, and coho salmon.

### 2018 Mainland District Fisheries

On June 14 and June 21, there were two 33-hour fishing periods in the Big River and Outer Kukak Bay sections to allow harvest of Kaflia and Swikshak systems sockeye salmon. During the pink salmon season through July 25, the entire Mainland District (with the exception of the Wide Bay and Cape Igvak sections which remained closed) was opened for three 57-hour fishing periods between July 6 and July 23 (with some sections managed under the NSSSSMP).

Pink and chum salmon runs were weak throughout the Mainland District in 2018. After the third 57-hour pink salmon opener, which began on July 23, the Mainland District remained closed until coho management in September. The estimated pink salmon escapement of 280,400 fish was slightly above the lower bound of the escapement goal range of 250,000 to 1,000,000 fish (Schaberg et al. 2016).

During 2018, the total commercial harvest by 17 permit holders in the Mainland District included 385 Chinook, 17,540 sockeye, 1,496 coho, 27,326 pink, and 17,816 chum salmon (Appendix K3). This includes all salmon harvested along the Mainland, including those harvested under the direction of CISMP and NSSSSMP.

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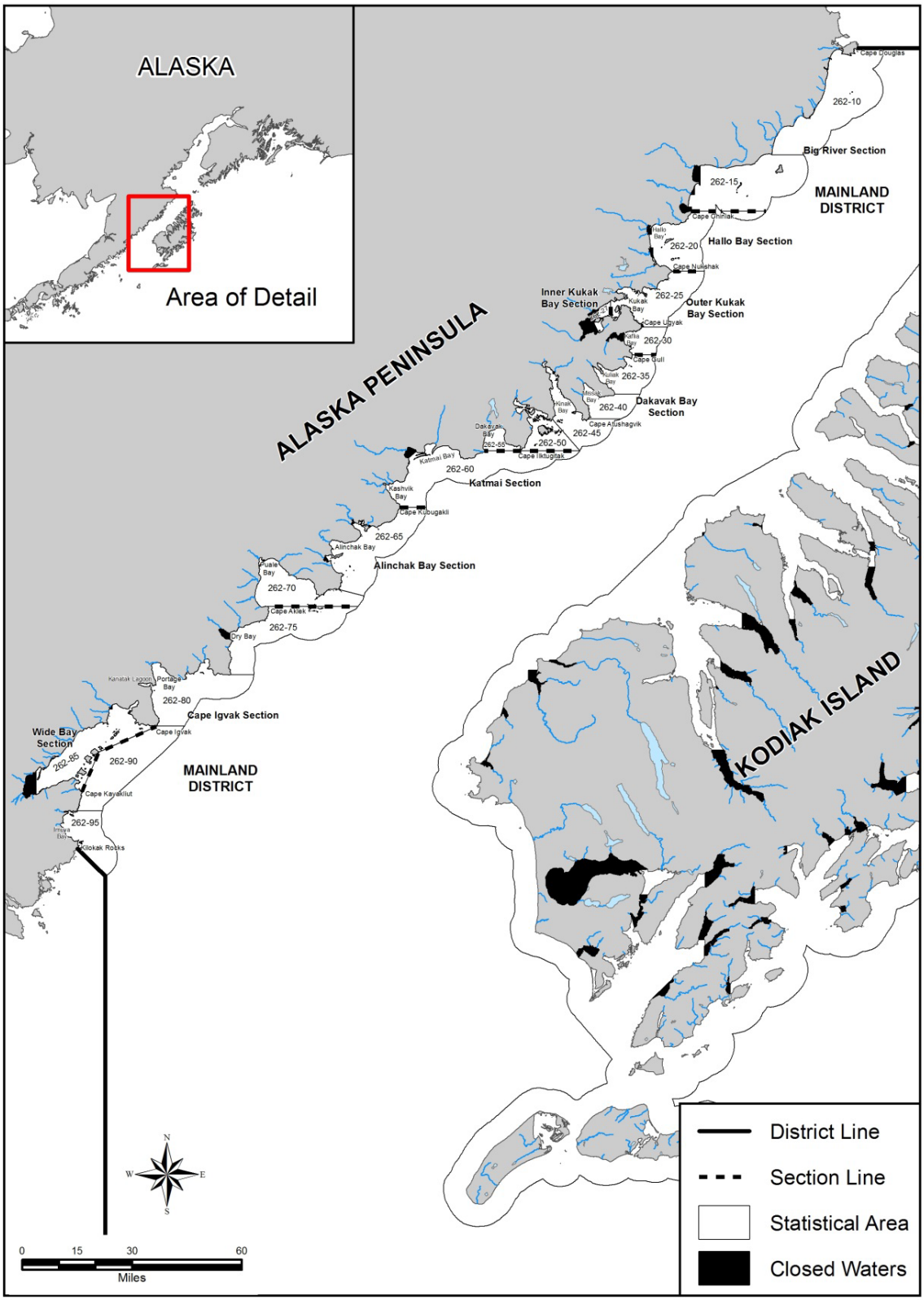
# REFERENCES CITED

Schaberg, K. L., M. B. Foster, M. Wattum, and T. R. McKinley. 2016. Review of salmon escapement goals in the Kodiak Management Area, 2016. Alaska Department of Fish and Game, Fishery Manuscript Series No. 16-09, Anchorage.

Appendix K2.–Map of the Mainland District commercial salmon fishing sections and statistical areas.



Appendix K3.–Daily commercial salmon harvest, by species, for the Mainland District Management Plan units, 2018.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Big River Section | | | | | | | | | | | | | |
| Total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average weight | | | | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 |
| Hallo Bay Section | | | | | | | | | | | | | |
| Total [a] | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average weight | | | | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 |
| Outer Kukak Bay Section | | | | | | | | | | | | | |
| Total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average weight | | | | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 |
| Inner Kukak Bay Section | | | | | | | | | | | | | |
| Total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average weight | | | | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 |
| Dakavak Bay Section | 6-Jul [a] | | | | | | | | | | | | |
| | 8-Jul [a] | | | | | | | | | | | | |
| | 13-Jul | 7 | 7 | 32 | 245 | 2,511 | 13,919 | 94 | 771 | 2,172 | 8,071 | 894 | 6,869 |
| | 14-Jul | 3 | 3 | 7 | 27 | 241 | 1,004 | 20 | 137 | 251 | 1,213 | 528 | 4,114 |
| | 23-Jul | 9 | 9 | 45 | 533 | 5,714 | 32,113 | 487 | 4,459 | 11,724 | 40,224 | 2,182 | 17,434 |
| | 24-Jul | 3 | 3 | 59 | 441 | 1,791 | 10,292 | 238 | 2,023 | 4,141 | 14,014 | 832 | 6,594 |
| | 25-Jul [a] | | | | | | | | | | | | |
| Total | | 16 | 27 | 307 | 2,081 | 14,294 | 77,935 | 1,021 | 8,978 | 20,023 | 69,427 | 5,842 | 46,035 |
| Average weight | | | | | 6.78 | | 5.45 | | 8.79 | | 3.47 | | 7.88 |

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Appendix K3.–Page 2 of 2.

| Management | | | | Chinook | | Sockeye | | Coho | | Pink | | Chum | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Date | Permits | Landings | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds | Number | Pounds |
| Katmai | 6-Jul [a] | | | | | | | | | | | | |
| Section | 25-Jul | 3 | 3 | 15 | 160 | 1,053 | 6,292 | 287 | 2,329 | 2,922 | 10,311 | 407 | 3,636 |
| Total | | 3 | 5 | 78 | 641 | 1,710 | 10,230 | 302 | 2,480 | 3,163 | 11,036 | 931 | 7,562 |
| Average weight | | | | | 8.21 | | 5.98 | | 8.21 | | 3.49 | | 8.12 |
| Alinchak | 6-Jul [a] | | | | | | | | | | | | |
| Bay Section | 13-Jul [a] | | | | | | | | | | | | |
| | 23-Jul [a] | | | | | | | | | | | | |
| | 24-Jul [a] | | | | | | | | | | | | |
| | 25-Jul [a] | | | | | | | | | | | | |
| Total[a] | | | | | | | | | | | | | |
| Average weight | | | | | | | | | | | | | |
| Cape Igvak | | | | | | | | | | | | | |
| Section | | | | | | | | | | | | | |
| Total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average weight | | | | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 |
| Wide Bay | | | | | | | | | | | | | |
| Section | | | | | | | | | | | | | |
| Total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average weight | | | | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 |
| Mainland District | | | | | | | | | | | | | |
| Total | | 17 | 37 | 385 | 2,721 | 17,540 | 96,131 | 1,496 | 12,518 | 27,326 | 97,822 | 17,816 | 148,724 |
| Average weight | | | | | 7.07 | | 5.48 | | 8.37 | | 3.58 | | 8.35 |

[a] Confidential.

# APPENDIX L. AREAWIDE HARVEST TABLES

Appendix L1.–Commercial salmon harvest, by management unit and statistical week, all gear combined, in the Kodiak Management Area, 2018.

| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| S.W. Afognak | 24 | 16-Jun | 0 | 0 | 0.0 | 329 | 1,552 | 4.7 | 0 | 0 | 0.0 | 5 | 15 | 3.0 | 54 | 400 | 7.4 |
| & Raspberry Straits | 25 | 23-Jun | 0 | 0 | 0.0 | 85 | 425 | 5.0 | 0 | 0 | 0.0 | 4 | 14 | 3.5 | 8 | 60 | 7.5 |
| (combined) | 26 | 30-Jun | 6 | 48 | 7.9 | 198 | 532 | 2.7 | 0 | 0 | 0.0 | 14 | 57 | 4.1 | 150 | 1,444 | 9.6 |
| (251-10, 11, 12, 20) | 27 | 7-Jul | 2 | 13 | 6.5 | 1,382 | 6,406 | 4.6 | 17 | 122 | 7.2 | 509 | 1,777 | 3.5 | 785 | 6,284 | 8.0 |
| | 28 | 14-Jul | 0 | 0 | 0.0 | 379 | 1,902 | 5.0 | 323 | 1,959 | 6.1 | 901 | 3,585 | 4.0 | 363 | 2,593 | 7.1 |
| | 29 | 21-Jul | 9 | 45 | 5.0 | 519 | 2,748 | 5.3 | 35 | 304 | 8.7 | 1,383 | 4,338 | 3.1 | 301 | 2,267 | 7.5 |
| | 30 | 28-Jul | 1 | 25 | 25.0 | 38 | 175 | 4.6 | 48 | 291 | 6.1 | 388 | 1,555 | 4.0 | 83 | 418 | 5.0 |
| | 31 | 4-Aug | 24 | 157 | 6.5 | 3,497 | 16,997 | 4.9 | 1,503 | 10,369 | 6.9 | 16,494 | 66,525 | 4.0 | 553 | 4,131 | 7.5 |
| | 32 | 11-Aug | 43 | 350 | 8.1 | 3,119 | 15,368 | 4.9 | 1,858 | 12,514 | 6.7 | 21,621 | 83,058 | 3.8 | 363 | 2,551 | 7.0 |
| | 33 | 18-Aug | 5 | 29 | 5.8 | 1,363 | 5,717 | 4.2 | 2,030 | 12,565 | 6.2 | 8,465 | 30,582 | 3.6 | 102 | 737 | 7.2 |
| | 34 | 25-Aug | 13 | 126 | 9.7 | 2,661 | 13,006 | 4.9 | 4,994 | 42,574 | 8.5 | 19,148 | 62,609 | 3.3 | 289 | 2,352 | 8.1 |
| | 35 | 1-Sep | 1 | 8 | 8.0 | 209 | 1,086 | 5.2 | 393 | 3,558 | 9.1 | 404 | 1,366 | 3.4 | 35 | 233 | 6.7 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 2,522 | 24,865 | 9.9 | 4 | 12 | 3.0 | 7 | 50 | 7.1 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 8 | 36 | 4.5 | 2,543 | 16,950 | 6.7 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | 38 | 22-Sep | 0 | 0 | 0.0 | 1 | 5 | 5.0 | 483 | 3,983 | 8.2 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | Total | | 104 | 801 | 7.7 | 13,788 | 65,955 | 4.8 | 16,749 | 130,052 | 7.8 | 69,340 | 255,492 | 3.7 | 3,093 | 23,519 | 7.6 |
| N.W. Afognak | 23 | 9-Jun | 1 | 9 | 9.0 | 3,752 | 14,891 | 4.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 2 | 17 | 8.5 |
| (251-30, 40, 41, 50) | 24 | 16-Jun | 0 | 0 | 0.0 | 1,652 | 6,241 | 3.8 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 7 | 74 | 10.6 |
| | 25 | 23-Jun | 0 | 0 | 0.0 | 1,431 | 5,673 | 4.0 | 0 | 0 | 0.0 | 3 | 7 | 2.3 | 6 | 32 | 5.3 |
| | 26 | 30-Jun | 0 | 0 | 0.0 | 364 | 1,967 | 5.4 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | 27 | 7-Jul | 0 | 0 | 0.0 | 1,498 | 5,099 | 3.4 | 0 | 0 | 0.0 | 44 | 168 | 3.8 | 32 | 262 | 8.2 |
| | 28 | 14-Jul | 0 | 0 | 0.0 | 375 | 1,876 | 5.0 | 76 | 451 | 5.9 | 412 | 1,648 | 4.0 | 199 | 1,389 | 7.0 |
| | 33 | 18-Aug | 0 | 0 | 0.0 | 1 | 3 | 3.0 | 77 | 476 | 6.2 | 324 | 1,528 | 4.7 | 1 | 8 | 8.0 |
| | 34 | 25-Aug | 0 | 0 | 0.0 | 10 | 43 | 4.3 | 1,494 | 14,542 | 9.7 | 91 | 315 | 3.5 | 1 | 8 | 8.0 |
| | 35 | 1-Sep | 0 | 0 | 0.0 | 122 | 609 | 5.0 | 737 | 7,466 | 10.1 | 39 | 159 | 4.1 | 2 | 11 | 5.5 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 13 | 38 | 2.9 | 6,680 | 57,216 | 8.6 | 0 | 0 | 0.0 | 2 | 14 | 7.0 |
| | 37 | 15-Sep | 2 | 7 | 3.5 | 202 | 1,188 | 5.9 | 2,515 | 19,634 | 7.8 | 0 | 0 | 0.0 | 5 | 31 | 6.2 |
| | Total | | 3 | 16 | 5.3 | 9,420 | 37,628 | 4.0 | 11,579 | 99,785 | 8.6 | 913 | 3,825 | 4.2 | 257 | 1,846 | 7.2 |

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| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| Shuyak (251-60, 70, 81) | 33 | 18-Aug | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 2,795 | 22,462 | 8.0 | 75 | 331 | 4.4 | 4 | 28 | 7.0 |
| | Total | | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 2,795 | 22,462 | 8.0 | 75 | 331 | 4.4 | 4 | 28 | 7.0 |
| Perenosa Bay | 23 | 9-Jun | 1 | 5 | 5.0 | 313 | 1,184 | 3.8 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| (251-82, 83, 84, 85) | 24 | 16-Jun | 1 | 4 | 4.0 | 675 | 2,865 | 4.2 | 0 | 0 | 0.0 | 1 | 1 | 1.0 | 35 | 315 | 9.0 |
| | 25 | 23-Jun | 0 | 0 | 0.0 | 299 | 1,343 | 4.5 | 0 | 0 | 0.0 | 8 | 24 | 3.0 | 0 | 0 | 0.0 |
| | 27 | 7-Jul | 1 | 5 | 5.0 | 20 | 68 | 3.4 | 0 | 0 | 0.0 | 5 | 23 | 4.6 | 32 | 344 | 10.8 |
| | 30 | 28-Jul | 0 | 0 | 0.0 | 95 | 359 | 3.8 | 1,046 | 5,584 | 5.3 | 1,814 | 7,985 | 4.4 | 338 | 2,005 | 5.9 |
| | 33 | 18-Aug | 0 | 0 | 0.0 | 31 | 147 | 4.7 | 10,469 | 95,851 | 9.2 | 7,551 | 29,683 | 3.9 | 7 | 43 | 6.1 |
| | 34 | 25-Aug | 0 | 0 | 0.0 | 3 | 17 | 5.7 | 722 | 6,496 | 9.0 | 318 | 954 | 3.0 | 1 | 8 | 8.0 |
| | Total | | 3 | 14 | 4.7 | 1,436 | 5,983 | 4.2 | 12,237 | 107,931 | 8.8 | 9,697 | 38,670 | 4.0 | 413 | 2,715 | 6.6 |
| N.E. Afognak | 29 | 21-Jul | 40 | 57 | 1.4 | 326 | 1,579 | 4.8 | 1,416 | 11,169 | 7.9 | 966 | 3,289 | 3.4 | 498 | 3,825 | 7.7 |
| (251-90, 252-10 & 20) | 30 | 28-Jul | 5 | 23 | 4.6 | 1,001 | 5,096 | 5.1 | 1,892 | 14,048 | 7.4 | 2,439 | 8,177 | 3.4 | 721 | 6,569 | 9.1 |
| | 33 | 18-Aug | 0 | 0 | 0.0 | 178 | 998 | 5.6 | 267 | 2,674 | 10.0 | 6,641 | 20,130 | 3.0 | 25 | 198 | 7.9 |
| | Total | | 45 | 80 | 1.8 | 1,505 | 7,673 | 5.1 | 3,575 | 27,891 | 7.8 | 10,046 | 31,596 | 3.1 | 1,244 | 10,592 | 8.5 |
| Izhut (252-30) | 23 | 9-Jun | 0 | 0 | 0.0 | 23 | 91 | 4.0 | 0 | 0 | 0.0 | 6 | 20 | 3 | 578 | 4,952 | 8.6 |
| | 24 | 16-Jun | 5 | 42 | 8.4 | 118 | 472 | 4.0 | 0 | 0 | 0.0 | 44 | 121 | 3 | 1,810 | 15,035 | 8.3 |
| | 25 | 23-Jun | 7 | 80 | 11.4 | 1,051 | 4,907 | 4.7 | 34 | 241 | 7.1 | 387 | 1,159 | 3 | 21,492 | 174,867 | 8.1 |
| | 26 | 30-Jun | 8 | 44 | 5.5 | 406 | 1,474 | 3.6 | 15 | 77 | 5.1 | 183 | 586 | 3 | 51,825 | 397,536 | 7.7 |
| | 27 | 7-Jul | 4 | 18 | 4.5 | 23 | 92 | 4.0 | 4 | 25 | 6.3 | 1 | 3 | 3 | 2,426 | 19,394 | 8.0 |
| | 29 | 21-Jul | 5 | 55 | 11.0 | 1,488 | 6,478 | 4.4 | 1,239 | 8,154 | 6.6 | 10,226 | 40,918 | 4 | 6,030 | 42,788 | 7.1 |
| | 30 | 28-Jul | 5 | 93 | 18.6 | 1,126 | 4,963 | 4.4 | 1,776 | 11,567 | 6.5 | 50,210 | 168,087 | 3 | 2,892 | 21,272 | 7.4 |
| | 31 | 4-Aug | 22 | 182 | 8.3 | 1,121 | 5,083 | 4.5 | 10,177 | 76,310 | 7.5 | 743,116 | 2,791,151 | 4 | 1,700 | 10,443 | 6.1 |
| | 32 | 11-Aug | 3 | 22 | 7.3 | 1,496 | 6,989 | 4.7 | 10,246 | 76,994 | 7.5 | 722,995 | 2,813,620 | 4 | 677 | 4,298 | 6.3 |
| | 33 | 18-Aug | 0 | 0 | 0.0 | 1,022 | 4,297 | 4.2 | 20,400 | 161,552 | 7.9 | 224,868 | 883,519 | 4 | 160 | 1,024 | 6.4 |
| | 34 | 25-Aug | 0 | 0 | 0.0 | 363 | 1,965 | 5.4 | 11,461 | 94,857 | 8.3 | 66,537 | 262,083 | 4 | 76 | 561 | 7.4 |
| | 35 | 1-Sep | 0 | 0 | 0.0 | 271 | 1,218 | 4.5 | 10,585 | 87,872 | 8.3 | 29,231 | 109,149 | 4 | 47 | 330 | 7.0 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 35 | 164 | 4.7 | 1,766 | 15,498 | 8.8 | 2,665 | 10,211 | 4 | 5 | 32 | 6.4 |
| | Total | | 59 | 536 | 9.1 | 8,543 | 38,192 | 4.5 | 67,703 | 533,147 | 7.9 | 1,850,469 | 7,080,627 | 3.8 | 89,718 | 692,532 | 7.7 |

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| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| Kitoi Bay (252-32) | 23 | 9-Jun | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 240 | 2,263 | 9.4 |
| | 24 | 16-Jun | 0 | 0 | 0.0 | 27 | 122 | 4.5 | 0 | 0 | 0.0 | 2 | 4 | 2.0 | 1,664 | 13,541 | 8.1 |
| | 25 | 23-Jun | 23 | 149 | 6.5 | 671 | 3,460 | 5.2 | 0 | 0 | 0.0 | 132 | 459 | 3.5 | 19,418 | 161,765 | 8.3 |
| | 26 | 30-Jun | 0 | 0 | 0.0 | 21 | 50 | 2.4 | 0 | 0 | 0.0 | 3 | 9 | 2.9 | 3,067 | 25,388 | 8.3 |
| | 29 | 21-Jul | 2 | 8 | 4.0 | 232 | 1,060 | 4.6 | 280 | 2,677 | 9.6 | 1,930 | 5,944 | 3.1 | 10,676 | 79,153 | 7.4 |
| | 30 | 28-Jul | 0 | 0 | 0.0 | 255 | 1,110 | 4.4 | 430 | 3,225 | 7.5 | 21,876 | 79,811 | 3.6 | 7,115 | 59,010 | 8.3 |
| | 31 | 4-Aug | 0 | 0 | 0.0 | 230 | 1,015 | 4.4 | 1,033 | 7,226 | 7.0 | 72,951 | 261,662 | 3.6 | 480 | 3,060 | 6.4 |
| | 32 | 11-Aug | 28 | 155 | 5.5 | 1,488 | 7,399 | 5.0 | 1,029 | 7,880 | 7.7 | 386,296 | 1,538,027 | 4.0 | 106 | 750 | 7.1 |
| | 33 | 18-Aug | 4 | 26 | 6.5 | 212 | 1,015 | 4.8 | 7,681 | 60,790 | 7.9 | 158,549 | 645,256 | 4.1 | 61 | 389 | 6.4 |
| | 34 | 25-Aug | 0 | 0 | 0.0 | 86 | 469 | 5.5 | 8,405 | 70,144 | 8.3 | 29,474 | 113,881 | 3.9 | 8 | 55 | 6.9 |
| | 35 | 1-Sep | 0 | 0 | 0.0 | 42 | 190 | 4.5 | 4,935 | 43,173 | 8.7 | 9,508 | 31,929 | 3.4 | 5 | 35 | 7.0 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 2 | 8 | 4.0 | 1,130 | 9,264 | 8.2 | 2,345 | 7,609 | 3.2 | 1 | 8 | 8.0 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 1 | 5 | 5.0 | 151 | 1,395 | 9.2 | 113 | 465 | 4.1 | 1 | 7 | 7.0 |
| | Total | | 57 | 338 | 5.9 | 3,267 | 15,903 | 4.9 | 25,074 | 205,773 | 8.2 | 683,179 | 2,685,054 | 3.9 | 42,842 | 345,423 | 8.1 |
| Duck Bay (252-31 & 35) | 24 | 16-Jun | 3 | 15 | 5.0 | 3,656 | 17,073 | 4.7 | 0 | 0 | 0.0 | 396 | 1,093 | 2.8 | 3,367 | 27,249 | 8.1 |
| | 25 | 23-Jun | 12 | 37 | 3.1 | 1,831 | 8,633 | 4.7 | 1 | 6 | 6.0 | 332 | 1,010 | 3.0 | 4,616 | 40,718 | 8.8 |
| | 27 | 7-Jul | 22 | 87 | 4.0 | 382 | 1,768 | 4.6 | 482 | 3,361 | 7.0 | 550 | 1,753 | 3.2 | 12,648 | 107,939 | 8.5 |
| | 28 | 14-Jul | 13 | 94 | 7.2 | 1,692 | 8,835 | 5.2 | 980 | 6,983 | 7.1 | 3,585 | 11,709 | 3.3 | 8,454 | 64,551 | 7.6 |
| | 29 | 21-Jul | 1 | 2 | 2.0 | 381 | 1,857 | 4.9 | 163 | 1,132 | 6.9 | 984 | 3,769 | 3.8 | 1,253 | 9,308 | 7.4 |
| | 30 | 28-Jul | 14 | 193 | 13.8 | 1,660 | 8,138 | 4.9 | 2,174 | 18,980 | 8.7 | 20,464 | 68,328 | 3.3 | 1,555 | 14,502 | 9.3 |
| | 31 | 4-Aug | 0 | 0 | 0.0 | 840 | 4,011 | 4.8 | 4,259 | 30,697 | 7.2 | 140,133 | 573,309 | 4.1 | 396 | 2,732 | 6.9 |
| | 32 | 11-Aug | 17 | 163 | 9.6 | 1,043 | 4,916 | 4.7 | 8,703 | 63,489 | 7.3 | 274,547 | 1,150,771 | 4.2 | 845 | 5,814 | 6.9 |
| | 33 | 18-Aug | 1 | 8 | 8.0 | 1,596 | 7,519 | 4.7 | 9,745 | 78,988 | 8.1 | 137,057 | 509,622 | 3.7 | 271 | 1,983 | 7.3 |
| | 34 | 25-Aug | 4 | 19 | 4.7 | 392 | 1,983 | 5.1 | 7,032 | 58,909 | 8.4 | 60,046 | 231,965 | 3.9 | 73 | 494 | 6.8 |
| | 35 | 1-Sep | 0 | 0 | 0.0 | 55 | 256 | 4.6 | 2,608 | 24,316 | 9.3 | 11,727 | 49,709 | 4.2 | 3 | 14 | 4.7 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 43 | 180 | 4.2 | 216 | 2,014 | 9.3 | 651 | 2,695 | 4.1 | 0 | 0 | 0.0 |
| | Total | | 87 | 618 | 7.1 | 13,571 | 65,169 | 4.8 | 36,363 | 288,873 | 7.9 | 650,472 | 2,605,734 | 4.0 | 33,481 | 275,303 | 8.2 |

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Appendix L1.–Page 4 of 12.

| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| S.E. Afognak (252-33 & | 34 | 25-Aug | 0 | 0 | 0.0 | 8 | 44 | 5.5 | 3,925 | 31,029 | 7.9 | 315 | 1,231 | 3.9 | 93 | 645 | 6.9 |
| 34) | 35 | 1-Sep | 0 | 0 | 0.0 | 3 | 14 | 4.7 | 571 | 4,930 | 8.6 | 394 | 1,299 | 3.3 | 0 | 0 | 0.0 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 6 | 29 | 4.8 | 860 | 7,087 | 8.2 | 37 | 120 | 3.2 | 15 | 116 | 7.7 |
| | Total | | 0 | 0 | 0.0 | 17 | 87 | 5.1 | 5,356 | 43,046 | 8.0 | 746 | 2,650 | 3.6 | 108 | 761 | 7.0 |
| Central, Terror Bay, | 23 | 9-Jun | 29 | 241 | 8.3 | 9,269 | 43,704 | 4.7 | 1 | 4 | 4.0 | 14 | 41 | 2.9 | 617 | 4,417 | 7.2 |
| Inner Uganik, Spiridon, | 24 | 16-Jun | 19 | 150 | 7.9 | 14,353 | 71,129 | 5.0 | 13 | 126 | 9.7 | 44 | 161 | 3.7 | 1,126 | 9,309 | 8.3 |
| Zachar, & Uyak combined | 25 | 23-Jun | 12 | 88 | 7.3 | 4,395 | 21,758 | 5.0 | 0 | 0 | 0.0 | 22 | 85 | 3.9 | 237 | 2,003 | 8.5 |
| (253-11, 12, 13, 14, 31 | 26 | 30-Jun | 27 | 248 | 9.2 | 9,546 | 48,096 | 5.0 | 5 | 30 | 6.0 | 255 | 974 | 3.8 | 3,686 | 31,629 | 8.6 |
| 32, 33, 34, 35, 254-10, 20, | 27 | 7-Jul | 252 | 1,267 | 5.0 | 67,067 | 342,174 | 5.1 | 420 | 2,963 | 7.1 | 11,390 | 40,845 | 3.6 | 30,282 | 262,326 | 8.7 |
| 21, 30, 31, 40, 41, 50) | 28 | 14-Jul | 107 | 777 | 7.3 | 45,922 | 223,809 | 4.9 | 1,947 | 13,183 | 6.8 | 32,746 | 117,451 | 3.6 | 21,859 | 208,127 | 9.5 |
| | 29 | 21-Jul | 20 | 192 | 9.6 | 25,700 | 122,162 | 4.8 | 710 | 4,897 | 6.9 | 15,015 | 53,763 | 3.6 | 12,637 | 110,089 | 8.7 |
| | 30 | 28-Jul | 33 | 343 | 10.4 | 33,723 | 160,542 | 4.8 | 2,194 | 16,655 | 7.6 | 58,148 | 224,039 | 3.9 | 43,856 | 381,448 | 8.7 |
| | 31 | 4-Aug | 163 | 1,164 | 7.1 | 38,531 | 199,476 | 5.2 | 3,628 | 25,122 | 6.9 | 207,539 | 796,067 | 3.8 | 4,266 | 35,670 | 8.4 |
| | 32 | 11-Aug | 226 | 1,723 | 7.6 | 90,043 | 466,665 | 5.2 | 11,658 | 91,329 | 7.8 | 608,756 | 2,389,878 | 3.9 | 11,830 | 97,764 | 8.3 |
| | 33 | 18-Aug | 27 | 285 | 10.6 | 31,070 | 164,334 | 5.3 | 8,598 | 65,812 | 7.7 | 50,339 | 187,602 | 3.7 | 2,500 | 20,206 | 8.1 |
| | 34 | 25-Aug | 72 | 548 | 7.6 | 154,891 | 820,000 | 5.3 | 25,739 | 210,333 | 8.2 | 114,540 | 432,383 | 3.8 | 5,236 | 40,503 | 7.7 |
| | 35 | 1-Sep | 79 | 600 | 7.6 | 88,267 | 467,971 | 5.3 | 19,286 | 159,646 | 8.3 | 18,093 | 65,251 | 3.6 | 1,669 | 12,396 | 7.4 |
| | 36 | 8-Sep | 53 | 423 | 8.0 | 45,890 | 239,458 | 5.2 | 11,939 | 103,193 | 8.6 | 2,357 | 8,546 | 3.6 | 537 | 3,843 | 7.2 |
| | 37 | 15-Sep | 3 | 32 | 10.7 | 10,441 | 57,129 | 5.5 | 2,601 | 24,495 | 9.4 | 64 | 274 | 4.3 | 51 | 355 | 7.0 |
| | 38 | 22-Sep | 0 | 0 | 0.0 | 15,423 | 79,344 | 5.1 | 488 | 4,927 | 10.1 | 1 | 4 | 4.0 | 10 | 72 | 7.2 |
| | 39 | 29-Sep | 0 | 0 | 0.0 | 1,726 | 8,641 | 5.0 | 205 | 2,462 | 12.0 | 0 | 0 | 0.0 | 5 | 36 | 7.2 |
| | Total | | 1,122 | 8,080 | 7.2 | 686,257 | 3,536,391 | 5.2 | 89,432 | 725,176 | 8.1 | 1,119,323 | 4,317,363 | 3.9 | 140,404 | 1,220,190 | 8.7 |

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Appendix L1.–Page 5 of 12.

| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| North Cape, Anton | 23 | 9-Jun | 0 | 0 | 0.0 | 5 | 26 | 5.2 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| Larsen, Sharatin, | 24 | 16-Jun | 10 | 76 | 7.6 | 3,227 | 15,296 | 4.7 | 0 | 0 | 0.0 | 356 | 1,231 | 3.5 | 2,803 | 18,861 | 6.7 |
| & Kizhuyak combined | 25 | 23-Jun | 0 | 0 | 0.0 | 2,175 | 10,627 | 4.9 | 2 | 8 | 4.0 | 226 | 833 | 3.7 | 1,516 | 12,658 | 8.3 |
| (259-30, 31, 32, 33, 34, 35, | 26 | 30-Jun | 3 | 45 | 15.0 | 2,377 | 11,235 | 4.7 | 23 | 131 | 5.7 | 329 | 1,065 | 3.2 | 2,252 | 18,403 | 8.2 |
| 36, 37, 38, 39) | 27 | 7-Jul | 22 | 208 | 9.5 | 3,168 | 13,605 | 4.3 | 373 | 2,453 | 6.6 | 274 | 1,036 | 3.8 | 1,437 | 13,274 | 9.2 |
| | 28 | 14-Jul | 10 | 104 | 10.4 | 3,141 | 16,610 | 5.3 | 1,543 | 10,142 | 6.6 | 6,857 | 25,406 | 3.7 | 4,026 | 30,556 | 7.6 |
| | 29 | 21-Jul | 0 | 0 | 0.0 | 1,265 | 6,928 | 5.5 | 1,083 | 7,548 | 7.0 | 2,811 | 10,181 | 3.6 | 895 | 7,268 | 8.1 |
| | 30 | 28-Jul | 13 | 108 | 8.3 | 2,652 | 13,403 | 5.1 | 2,456 | 16,499 | 6.7 | 22,485 | 83,917 | 3.7 | 2,771 | 21,919 | 7.9 |
| | 31 | 4-Aug | 0 | 0 | 0.0 | 843 | 3,900 | 4.6 | 1,981 | 15,683 | 7.9 | 13,880 | 60,066 | 4.3 | 622 | 5,180 | 8.3 |
| | 32 | 11-Aug | 11 | 99 | 9.0 | 2,300 | 12,576 | 5.5 | 6,942 | 47,348 | 6.8 | 89,075 | 330,343 | 3.7 | 2,352 | 17,503 | 7.4 |
| | 33 | 18-Aug | 1 | 12 | 12.0 | 346 | 1,853 | 5.4 | 1,105 | 7,430 | 6.7 | 5,767 | 20,349 | 3.5 | 921 | 8,041 | 8.7 |
| | 34 | 25-Aug | 3 | 17 | 5.6 | 256 | 1,526 | 6.0 | 1,214 | 9,900 | 8.2 | 3,037 | 10,621 | 3.5 | 668 | 5,615 | 8.4 |
| | 35 | 1-Sep | 0 | 0 | 0.0 | 25 | 120 | 4.8 | 226 | 1,902 | 8.4 | 534 | 2,118 | 4.0 | 18 | 148 | 8.2 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 1 | 7 | 7.0 | 471 | 4,737 | 10.1 | 37 | 149 | 4.0 | 3 | 15 | 5.0 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 210 | 1,048 | 5.0 | 310 | 2,779 | 9.0 | 0 | 0 | 0.0 | 1 | 5 | 4.6 |
| | 39 | 29-Sep | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 352 | 3,173 | 9.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | Total | | 73 | 669 | 9.2 | 21,991 | 108,759 | 4.9 | 18,081 | 129,732 | 7.2 | 145,668 | 547,316 | 3.8 | 20,285 | 159,445 | 7.9 |
| Inner Karluk (255-10) | 32 | 11-Aug | 1 | 6 | 6.0 | 43,570 | 214,821 | 4.9 | 327 | 2,638 | 8.1 | 115,975 | 449,610 | 3.9 | 86 | 708 | 8.2 |
| | 36 | 8-Sep | 1 | 7 | 7.0 | 33,826 | 173,383 | 5.1 | 5,896 | 51,546 | 8.7 | 641 | 2,250 | 3.5 | 57 | 434 | 7.6 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 12,561 | 62,565 | 5.0 | 1,201 | 11,543 | 9.6 | 26 | 89 | 3.4 | 31 | 206 | 6.6 |
| | 38 | 22-Sep | 0 | 0 | 0.0 | 14,147 | 73,736 | 5.2 | 935 | 9,194 | 9.8 | 15 | 49 | 3.3 | 25 | 173 | 6.9 |
| | 39 | 29-Sep | 0 | 0 | 0.0 | 321 | 1,798 | 5.6 | 22 | 224 | 10.2 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | Total | | 2 | 13 | 6.5 | 104,425 | 526,302 | 5.0 | 8,381 | 75,144 | 9.0 | 116,657 | 451,998 | 3.9 | 199 | 1,521 | 7.6 |

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| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| Outer Karluk (255-20) | 24 | 16-Jun | 11 | 89 | 8.1 | 1,980 | 8,551 | 4.3 | 0 | 0 | 0.0 | 9 | 31 | 3.4 | 323 | 2,860 | 8.9 |
| | 25 | 23-Jun | 33 | 260 | 7.9 | 4,209 | 18,562 | 4.4 | 0 | 0 | 0.0 | 6 | 19 | 3.2 | 336 | 2,618 | 7.8 |
| | 26 | 30-Jun | 0 | 0 | 0.0 | 1,350 | 6,080 | 4.5 | 0 | 0 | 0.0 | 34 | 116 | 3.4 | 374 | 3,303 | 8.8 |
| | 27 | 7-Jul | 13 | 82 | 6.3 | 1,910 | 8,292 | 4.3 | 6 | 44 | 7.3 | 164 | 574 | 3.5 | 306 | 2,448 | 8.0 |
| | 28 | 14-Jul | 26 | 161 | 6.2 | 3,429 | 17,428 | 5.1 | 64 | 428 | 6.7 | 3,858 | 13,746 | 3.6 | 733 | 6,069 | 8.3 |
| | 29 | 21-Jul | 3 | 24 | 7.8 | 1,000 | 4,916 | 4.9 | 273 | 1,909 | 7.0 | 1,920 | 8,069 | 4.2 | 371 | 3,192 | 8.6 |
| | 31 | 4-Aug | 85 | 419 | 4.9 | 19,857 | 101,482 | 5.1 | 1,273 | 10,073 | 7.9 | 73,062 | 296,985 | 4.1 | 903 | 6,869 | 7.6 |
| | 32 | 11-Aug | 49 | 414 | 8.4 | 28,390 | 144,473 | 5.1 | 1,746 | 14,829 | 8.5 | 106,532 | 379,922 | 3.6 | 629 | 5,061 | 8.0 |
| | 33 | 18-Aug | 0 | 0 | 0.0 | 25,303 | 119,029 | 4.7 | 3,248 | 29,400 | 9.1 | 21,144 | 84,972 | 4.0 | 198 | 1,475 | 7.4 |
| | 34 | 25-Aug | 18 | 116 | 6.4 | 120,622 | 634,729 | 5.3 | 9,305 | 83,983 | 9.0 | 30,626 | 120,184 | 3.9 | 400 | 3,066 | 7.7 |
| | 35 | 1-Sep | 14 | 155 | 11.1 | 54,290 | 287,697 | 5.3 | 7,217 | 61,565 | 8.5 | 6,523 | 22,887 | 3.5 | 211 | 1,429 | 6.8 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 52,961 | 264,531 | 5.0 | 7,227 | 63,554 | 8.8 | 772 | 2,978 | 3.9 | 126 | 849 | 6.7 |
| | 37 | 15-Sep | 1 | 12 | 12.0 | 49,929 | 269,026 | 5.4 | 4,094 | 37,058 | 9.1 | 150 | 528 | 3.5 | 65 | 480 | 7.4 |
| | 38 | 22-Sep | 0 | 0 | 0.0 | 29,605 | 150,020 | 5.1 | 1,613 | 14,016 | 8.7 | 7 | 28 | 4.0 | 30 | 220 | 7.3 |
| | 39 | 29-Sep | 3 | 18 | 6.0 | 4,091 | 21,659 | 5.3 | 314 | 2,381 | 7.6 | 0 | 0 | 0.0 | 12 | 76 | 6.3 |
| | Total | | 256 | 1,749 | 6.8 | 398,926 | 2,056,475 | 5.2 | 36,380 | 319,238 | 8.8 | 244,807 | 931,038 | 3.8 | 5,017 | 40,015 | 8.0 |
| Halibut Bay (256-25 & 30) | 26 | 30-Jun | 23 | 211 | 9.2 | 2,670 | 11,271 | 4.2 | 0 | 0 | 0.0 | 109 | 388 | 3.6 | 428 | 3,280 | 7.7 |
| | 27 | 7-Jul | 3 | 23 | 7.7 | 4,189 | 23,661 | 5.6 | 67 | 454 | 6.8 | 673 | 2,312 | 3.4 | 507 | 5,235 | 10.3 |
| | 28 | 14-Jul | 15 | 54 | 3.6 | 2,643 | 12,502 | 4.7 | 25 | 202 | 8.1 | 999 | 3,174 | 3.2 | 270 | 2,427 | 9.0 |
| | 32 | 11-Aug | 21 | 203 | 9.7 | 6,336 | 31,445 | 5.0 | 525 | 4,227 | 8.1 | 31,607 | 125,637 | 4.0 | 155 | 1,059 | 6.8 |
| | 33 | 18-Aug | 7 | 69 | 9.9 | 18,379 | 88,625 | 4.8 | 3,854 | 31,526 | 8.2 | 30,967 | 119,970 | 3.9 | 183 | 1,322 | 7.2 |
| | 34 | 25-Aug | 2 | 12 | 6.0 | 13,966 | 72,612 | 5.2 | 2,443 | 21,659 | 8.9 | 5,296 | 20,463 | 3.9 | 71 | 507 | 7.1 |
| | 35 | 1-Sep | 15 | 110 | 7.3 | 9,066 | 42,337 | 4.7 | 1,513 | 12,873 | 8.5 | 808 | 2,975 | 3.7 | 67 | 447 | 6.7 |
| | 36 | 8-Sep | 32 | 356 | 11.1 | 22,036 | 108,222 | 4.9 | 4,313 | 34,037 | 7.9 | 868 | 2,984 | 3.4 | 168 | 1,239 | 7.4 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 6,854 | 33,067 | 4.8 | 1,106 | 9,655 | 8.7 | 78 | 245 | 3.1 | 42 | 275 | 6.5 |
| | 38 | 22-Sep | 15 | 132 | 8.8 | 608 | 3,040 | 5.0 | 92 | 735 | 8.0 | 0 | 0 | 0.0 | 8 | 64 | 8.0 |
| | Total | | 133 | 1,170 | 8.8 | 86,747 | 426,781 | 4.9 | 13,938 | 115,367 | 8.3 | 71,405 | 278,149 | 3.9 | 1,899 | 15,854 | 8.3 |

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| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| Inner & Outer | 26 | 30-Jun | 21 | 138 | 6.6 | 33,695 | 154,337 | 4.6 | 5 | 19 | 3.8 | 820 | 2,925 | 3.6 | 6,178 | 49,099 | 7.9 |
| Ayakulik (256-10, 15, 20) | 27 | 7-Jul | 89 | 624 | 7.0 | 13,941 | 59,129 | 4.2 | 13 | 92 | 7.0 | 3,067 | 10,615 | 3.5 | 2,239 | 20,291 | 9.1 |
| | 28 | 14-Jul | 78 | 429 | 5.5 | 40,833 | 200,499 | 4.9 | 251 | 1,732 | 6.9 | 18,718 | 64,954 | 3.5 | 3,292 | 30,653 | 9.3 |
| | 29 | 21-Jul | 19 | 108 | 5.7 | 5,576 | 28,520 | 5.1 | 64 | 464 | 7.3 | 5,956 | 19,165 | 3.2 | 481 | 3,829 | 8.0 |
| | 34 | 25-Aug | 0 | 0 | 0.0 | 19,240 | 104,407 | 5.4 | 5,281 | 47,553 | 9.0 | 12,563 | 46,398 | 3.7 | 97 | 600 | 6.2 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 8 | 37 | 4.6 | 4 | 32 | 8.0 | 3 | 19 | 6.3 | 0 | 0 | 0.0 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 51 | 254 | 5.0 | 10 | 84 | 8.4 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | Total | | 207 | 1,299 | 6.3 | 113,344 | 547,183 | 4.8 | 5,628 | 49,975 | 8.9 | 41,127 | 144,076 | 3.5 | 12,287 | 104,473 | 8.5 |
| Sturgeon (256-40) | 32 | 11-Aug | 0 | 0 | 0.0 | 5,805 | 29,625 | 5.1 | 232 | 2,226 | 9.6 | 44,137 | 145,340 | 3.3 | 189 | 1,305 | 6.9 |
| | 33 | 18-Aug | 12 | 102 | 8.5 | 13,996 | 71,211 | 5.1 | 2,204 | 18,447 | 8.4 | 18,059 | 67,115 | 3.7 | 53 | 402 | 7.6 |
| | 34 | 25-Aug | 0 | 0 | 0.0 | 5,584 | 27,139 | 4.9 | 267 | 2,236 | 8.4 | 3,194 | 12,162 | 3.8 | 22 | 170 | 7.7 |
| | 35 | 1-Sep | 2 | 13 | 6.5 | 418 | 1,921 | 4.6 | 87 | 644 | 7.4 | 35 | 141 | 4.0 | 3 | 22 | 7.4 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 7,000 | 36,723 | 5.2 | 1,157 | 10,180 | 8.8 | 175 | 662 | 3.8 | 22 | 164 | 7.5 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 1,504 | 8,122 | 5.4 | 376 | 3,109 | 8.3 | 24 | 76 | 3.2 | 1 | 10 | 10.0 |
| | 39 | 29-Sep | 0 | 0 | 0.0 | 2,462 | 12,012 | 4.9 | 33 | 296 | 9.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | Total | | 14 | 115 | 8.2 | 36,769 | 186,753 | 5.1 | 4,356 | 37,138 | 8.5 | 65,624 | 225,496 | 3.4 | 290 | 2,073 | 7.1 |
| Cape Alitak | 26 | 30-Jun | 10 | 69 | 6.9 | 18,659 | 75,853 | 4.1 | 5 | 27 | 5.4 | 287 | 946 | 3.3 | 1,215 | 11,027 | 9.1 |
| (257-10 & 20) | 27 | 7-Jul | 18 | 148 | 8.2 | 9,142 | 47,384 | 5.2 | 16 | 128 | 8.0 | 516 | 1,820 | 3.5 | 1,697 | 12,771 | 7.5 |
| | 28 | 14-Jul | 35 | 524 | 15.0 | 18,026 | 72,521 | 4.0 | 190 | 1,174 | 6.2 | 6,895 | 23,730 | 3.4 | 1,961 | 13,747 | 7.0 |
| | 29 | 21-Jul | 39 | 523 | 13.4 | 11,250 | 55,609 | 4.9 | 154 | 1,195 | 7.8 | 14,758 | 57,237 | 3.9 | 7,541 | 61,263 | 8.1 |
| | 30 | 28-Jul | 8 | 133 | 16.6 | 4,325 | 21,194 | 4.9 | 55 | 432 | 7.8 | 13,186 | 50,576 | 3.8 | 344 | 2,763 | 8.0 |
| | 31 | 4-Aug | 67 | 1,005 | 15.0 | 2,291 | 11,464 | 5.0 | 409 | 3,280 | 8.0 | 19,246 | 76,967 | 4.0 | 134 | 1,068 | 8.0 |
| | 32 | 11-Aug | 23 | 318 | 13.8 | 5,445 | 27,224 | 5.0 | 753 | 7,261 | 9.6 | 23,641 | 96,337 | 4.1 | 325 | 2,720 | 8.4 |
| | 33 | 18-Aug | 1 | 15 | 15.0 | 3,894 | 22,401 | 5.8 | 1,361 | 13,137 | 9.7 | 17,009 | 62,877 | 3.7 | 232 | 1,932 | 8.3 |
| | 34 | 25-Aug | 1 | 13 | 13.0 | 13,511 | 67,199 | 5.0 | 4,866 | 37,999 | 7.8 | 19,461 | 74,680 | 3.8 | 730 | 5,498 | 7.5 |
| | 35 | 1-Sep | 9 | 113 | 12.6 | 5,373 | 27,279 | 5.1 | 1,964 | 15,045 | 7.7 | 1,475 | 5,492 | 3.7 | 209 | 1,512 | 7.2 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 552 | 2,555 | 4.6 | 439 | 4,224 | 9.6 | 50 | 169 | 3.4 | 564 | 5,468 | 9.7 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 1,895 | 9,464 | 5.0 | 330 | 3,184 | 9.6 | 17 | 51 | 3.0 | 40 | 326 | 8.2 |
| | 38 | 22-Sep | 8 | 101 | 12.6 | 3,400 | 17,139 | 5.0 | 534 | 4,903 | 9.2 | 10 | 29 | 2.9 | 92 | 679 | 7.4 |
| | Total | | 219 | 2,962 | 13.5 | 97,763 | 457,286 | 4.7 | 11,076 | 91,989 | 8.3 | 116,551 | 450,910 | 3.9 | 15,084 | 120,774 | 8.0 |

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| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| Moser/Olga Bay & | 26 | 30-Jun | 1 | 20 | 20.0 | 16,435 | 75,366 | 4.6 | 4 | 19 | 4.8 | 40 | 112 | 2.8 | 332 | 2,862 | 8.6 |
| Dog Salmon Flats | 27 | 7-Jul | 0 | 0 | 0.0 | 9,325 | 44,715 | 4.8 | 3 | 15 | 5.0 | 151 | 490 | 3.2 | 314 | 2,379 | 7.6 |
| (257-30, 31, 40, 41, 42, 43) | 28 | 14-Jul | 0 | 0 | 0.0 | 6,551 | 32,378 | 4.9 | 34 | 210 | 6.2 | 617 | 2,379 | 3.9 | 360 | 2,761 | 7.7 |
| | 29 | 21-Jul | 0 | 0 | 0.0 | 8,930 | 43,761 | 4.9 | 82 | 638 | 7.8 | 2,826 | 11,900 | 4.2 | 432 | 3,465 | 8.0 |
| | 30 | 28-Jul | 0 | 0 | 0.0 | 3,741 | 18,792 | 5.0 | 116 | 852 | 7.3 | 3,228 | 12,864 | 4.0 | 236 | 1,780 | 7.5 |
| | 31 | 4-Aug | 0 | 0 | 0.0 | 5,113 | 27,639 | 5.4 | 56 | 473 | 8.4 | 8,464 | 37,747 | 4.5 | 98 | 874 | 8.9 |
| | 32 | 11-Aug | 0 | 0 | 0.0 | 28,542 | 155,099 | 5.4 | 967 | 7,571 | 7.8 | 53,477 | 248,507 | 4.6 | 742 | 6,403 | 8.6 |
| | 33 | 18-Aug | 0 | 0 | 0.0 | 35,150 | 191,900 | 5.5 | 2,238 | 18,381 | 8.2 | 23,590 | 107,711 | 4.6 | 838 | 7,195 | 8.6 |
| | 34 | 25-Aug | 0 | 0 | 0.0 | 19,137 | 104,047 | 5.4 | 1,656 | 13,762 | 8.3 | 6,027 | 27,000 | 4.5 | 455 | 3,600 | 7.9 |
| | 35 | 1-Sep | 0 | 0 | 0.0 | 24,764 | 132,520 | 5.4 | 2,102 | 17,617 | 8.4 | 2,703 | 11,878 | 4.4 | 458 | 3,573 | 7.8 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 10,832 | 58,563 | 5.4 | 1,257 | 10,796 | 8.6 | 726 | 2,960 | 4.1 | 269 | 2,039 | 7.6 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 3,030 | 16,672 | 5.5 | 165 | 1,436 | 8.7 | 13 | 62 | 4.8 | 41 | 279 | 6.8 |
| | Total | | 1 | 20 | 20.0 | 171,550 | 901,452 | 5.3 | 8,680 | 71,770 | 8.3 | 101,862 | 463,610 | 4.6 | 4,575 | 37,210 | 8.1 |
| Humpy/Deadman | 27 | 7-Jul | 1 | 4 | 4.0 | 406 | 1,998 | 4.9 | 93 | 589 | 6.3 | 142 | 573 | 4.0 | 1,392 | 9,499 | 6.8 |
| (257-50, 60, 70) | 29 | 21-Jul | 0 | 0 | 0.0 | 242 | 920 | 3.8 | 0 | 0 | 0.0 | 245 | 1,158 | 4.7 | 138 | 1,090 | 7.9 |
| | 30 | 28-Jul | 0 | 0 | 0.0 | 335 | 2,003 | 6.0 | 37 | 184 | 5.0 | 44,942 | 162,686 | 3.6 | 4,032 | 26,791 | 6.6 |
| | 31 | 4-Aug | 0 | 0 | 0.0 | 179 | 889 | 5.0 | 10 | 93 | 9.3 | 48,362 | 183,740 | 3.8 | 242 | 2,001 | 8.3 |
| | 32 | 11-Aug | 5 | 53 | 10.6 | 3,473 | 16,780 | 4.8 | 412 | 3,759 | 9.1 | 134,506 | 512,136 | 3.8 | 2,731 | 19,693 | 7.2 |
| | 33 | 18-Aug | 0 | 0 | 0.0 | 3,283 | 15,379 | 4.7 | 929 | 8,102 | 8.7 | 328,291 | 1,165,703 | 3.6 | 1,065 | 7,722 | 7.3 |
| | 34 | 25-Aug | 0 | 0 | 0.0 | 290 | 1,354 | 4.7 | 135 | 1,282 | 9.5 | 5,585 | 22,189 | 4.0 | 43 | 252 | 5.9 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 7 | 39 | 5.6 | 31 | 249 | 8.0 | 0 | 0 | 0.0 | 1 | 8 | 8.0 |
| | Total | | 6 | 57 | 9.5 | 8,215 | 39,362 | 4.8 | 1,647 | 14,256 | 8.7 | 562,073 | 2,048,184 | 3.6 | 9,644 | 67,056 | 7.0 |

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| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| Seven Rivers | 24 | 16-Jun | 0 | 0 | 0.0 | 156 | 748 | 4.8 | 0 | 0 | 0.0 | 44 | 133 | 3.0 | 794 | 6,745 | 8.5 |
| (258-70, 80, 85, 90) | 25 | 23-Jun | 27 | 164 | 6.1 | 3,359 | 15,098 | 4.5 | 0 | 0 | 0.0 | 1,550 | 5,238 | 3.4 | 6,177 | 50,022 | 8.1 |
| | 27 | 7-Jul | 1 | 4 | 4.0 | 604 | 3,019 | 5.0 | 196 | 1,373 | 7.0 | 418 | 1,462 | 3.5 | 1,266 | 11,400 | 9.0 |
| | 28 | 14-Jul | 1 | 7 | 7.0 | 890 | 5,289 | 5.9 | 217 | 1,651 | 7.6 | 1,216 | 4,533 | 3.7 | 1,635 | 14,460 | 8.8 |
| | 30 | 28-Jul | 70 | 291 | 4.2 | 1,035 | 5,654 | 5.5 | 4,371 | 27,961 | 6.4 | 10,844 | 42,186 | 3.9 | 1,091 | 6,552 | 6.0 |
| | Total | | 99 | 466 | 4.7 | 6,044 | 29,808 | 4.9 | 4,784 | 30,985 | 6.5 | 14,072 | 53,552 | 3.8 | 10,963 | 89,179 | 8.1 |
| Two-Headed | 24 | 16-Jun | 0 | 0 | 0.0 | 10 | 57 | 5.7 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 74 | 594 | 8.0 |
| (258-54, 55, 60) | 27 | 7-Jul | 25 | 147 | 5.9 | 667 | 2,715 | 4.1 | 20 | 145 | 7.3 | 253 | 842 | 3.3 | 620 | 4,479 | 7.2 |
| | 28 | 14-Jul | 6 | 44 | 7.3 | 1,375 | 5,902 | 4.3 | 123 | 844 | 6.9 | 1,007 | 3,501 | 3.5 | 1,051 | 9,061 | 8.6 |
| | 30 | 28-Jul | 1 | 12 | 12.0 | 1,370 | 7,346 | 5.4 | 675 | 4,500 | 6.7 | 9,525 | 35,220 | 3.7 | 869 | 5,873 | 6.8 |
| | Total | | 32 | 203 | 6.3 | 3,422 | 16,020 | 4.7 | 818 | 5,489 | 6.7 | 10,785 | 39,563 | 3.7 | 2,614 | 20,007 | 7.7 |
| Sitkalidak | 24 | 16-Jun | 37 | 401 | 10.8 | 1,383 | 6,809 | 4.9 | 0 | 0 | 0.0 | 397 | 1,351 | 3.4 | 5,686 | 44,560 | 7.8 |
| (258-10, 20, 30, 40, 51, | 25 | 23-Jun | 25 | 107 | 4.3 | 689 | 2,879 | 4.2 | 2 | 9 | 4.5 | 87 | 320 | 3.7 | 15,638 | 81,185 | 5.2 |
| 52, 53) | 27 | 7-Jul | 219 | 1,187 | 5.4 | 3,972 | 18,453 | 4.6 | 2,411 | 15,510 | 6.4 | 1,566 | 5,672 | 3.6 | 9,909 | 70,466 | 7.1 |
| | 28 | 14-Jul | 198 | 948 | 4.8 | 3,554 | 16,562 | 4.7 | 5,678 | 30,997 | 5.5 | 2,759 | 9,808 | 3.6 | 7,211 | 53,887 | 7.5 |
| | 29 | 21-Jul | 220 | 753 | 3.4 | 1,733 | 7,642 | 4.4 | 5,299 | 36,968 | 7.0 | 3,460 | 10,920 | 3.2 | 4,770 | 37,713 | 7.9 |
| | 30 | 28-Jul | 207 | 712 | 3.4 | 3,457 | 16,652 | 4.8 | 9,357 | 63,002 | 6.7 | 26,259 | 103,822 | 4.0 | 6,716 | 49,372 | 7.4 |
| | 34 | 25-Aug | 0 | 0 | 0.0 | 25 | 115 | 4.6 | 19 | 280 | 14.7 | 50 | 205 | 4.1 | 0 | 0 | 0.0 |
| | 36 | 8-Sep | 0 | 0 | 0.0 | 3 | 15 | 5.0 | 430 | 4,715 | 11.0 | 9 | 32 | 3.6 | 442 | 3,173 | 7.2 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 705 | 3,285 | 4.7 | 91 | 804 | 8.8 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | 38 | 22-Sep | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 77 | 770 | 10.0 | 0 | 0 | 0.0 | 3 | 25 | 8.2 |
| | Total | | 906 | 4,108 | 4.5 | 15,521 | 72,412 | 4.7 | 23,364 | 153,054 | 6.6 | 34,587 | 132,129 | 3.8 | 50,375 | 340,381 | 6.8 |

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| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| Inner & Outer Ugak | 25 | 23-Jun | 28 | 141 | 5.0 | 40 | 170 | 4.3 | 0 | 0 | 0.0 | 3 | 7 | 2.3 | 50 | 484 | 9.7 |
| (259-40, 41, 42, 43, 44 | 27 | 7-Jul | 48 | 90 | 1.9 | 208 | 1,041 | 5.0 | 111 | 611 | 5.5 | 70 | 231 | 3.3 | 613 | 4,298 | 7.0 |
| 45, 46) | 36 | 8-Sep | 0 | 0 | 0.0 | 2 | 9 | 4.5 | 3,022 | 31,346 | 10.4 | 0 | 0 | 0.0 | 324 | 1,978 | 6.1 |
| | 37 | 15-Sep | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 7,493 | 70,440 | 9.4 | 0 | 0 | 0.0 | 6 | 41 | 6.8 |
| | 38 | 22-Sep | 4 | 17 | 4.3 | 11 | 59 | 5.4 | 14,964 | 154,828 | 10.3 | 1 | 3 | 3.0 | 180 | 1,287 | 7.1 |
| | 39 | 29-Sep | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 2,938 | 28,664 | 9.8 | 0 | 0 | 0.0 | 7 | 51 | 7.3 |
| | Total | | 80 | 248 | 3.1 | 261 | 1,279 | 4.9 | 28,528 | 285,889 | 10.0 | 74 | 241 | 3.3 | 1,180 | 8,139 | 6.9 |
| Outer Chiniak | 27 | 7-Jul | 2 | 23 | 11.5 | 28 | 171 | 6.1 | 45 | 364 | 8.1 | 16 | 71 | 4.4 | 42 | 383 | 9.1 |
| (259-21, 25) | | | | | | | | | | | | | | | | | |
| | Total | | 2 | 23 | 11.5 | 28 | 171 | 6.1 | 45 | 364 | 8.1 | 16 | 71 | 4.4 | 42 | 383 | 9.1 |
| Inner Chiniak | | | | | | | | | | | | | | | | | |
| | Total | | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| Buskin River | | | | | | | | | | | | | | | | | |
| (259-22, 26) | | | | | | | | | | | | | | | | | |
| | Total | | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| Monaska/Mill Bay | | | | | | | | | | | | | | | | | |
| | Total | | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| Big River | | | | | | | | | | | | | | | | | |
| (262-10,15) | | | | | | | | | | | | | | | | | |
| | Total | | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |

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| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| Hallo Bay (262-20) | | | | | | | | | | | | | | | | | |
| | Total | | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| Kukak Bay (262-25, 27, 30) | | | | | | | | | | | | | | | | | |
| | Total | | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| Dakavak | 27 | 7-Jul | 5 | 22 | 4.4 | 161 | 963 | 6.0 | 31 | 305 | 9.8 | 58 | 173 | 3.0 | 223 | 1,561 | 7.0 |
| (262-35, 40, 45, 50, 55) | 28 | 14-Jul | 198 | 1,085 | 5.5 | 5,217 | 25,952 | 5.0 | 114 | 908 | 8.0 | 2,764 | 10,409 | 3.8 | 2,305 | 17,802 | 7.7 |
| | 30 | 28-Jul | 104 | 974 | 9.4 | 8,916 | 51,020 | 5.7 | 876 | 7,765 | 8.9 | 17,201 | 58,845 | 3.4 | 3,314 | 26,672 | 8.0 |
| | Total | | 307 | 2,081 | 6.8 | 14,294 | 77,935 | 5.5 | 1,021 | 8,978 | 8.8 | 20,023 | 69,427 | 3.5 | 5,842 | 46,035 | 7.9 |
| Katmai | 27 | 7-Jul | 63 | 481 | 7.6 | 657 | 3,938 | 6.0 | 15 | 151 | 10.0 | 241 | 725 | 3.0 | 524 | 3,926 | 7.5 |
| (262-60) | 30 | 28-Jul | 15 | 160 | 10.7 | 1,053 | 6,292 | 6.0 | 287 | 2,329 | 8.1 | 2,922 | 10,311 | 3.5 | 407 | 3,636 | 8.9 |
| | Total | | 78 | 641 | 8.2 | 1,710 | 10,230 | 6.0 | 302 | 2,480 | 8.2 | 3,163 | 11,036 | 3.5 | 931 | 7,562 | 8.1 |

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| Section | Statistical | Week | Chinook | | | Sockeye | | | Coho | | | Pink | | | Chum | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (Stat Area) | Week | Ending | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. | No. | lbs. | avg. |
| Alinchak | 27 | 7-Jul | 0 | 0 | 0.0 | 1,301 | 6,762 | 5.2 | 148 | 934 | 6.3 | 243 | 780 | 3.2 | 440 | 5,006 | 11.4 |
| (262-65, 70) | 28 | 14-Jul | 0 | 0 | 0.0 | 200 | 1,000 | 5.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | 30 | 28-Jul | 0 | 0 | 0.0 | 35 | 205 | 5.9 | 25 | 126 | 5.0 | 3,897 | 16,579 | 4.3 | 10,603 | 90,121 | 8.5 |
| | Total | | 0 | 0 | 0.0 | 1,536 | 7,967 | 5.2 | 173 | 1,060 | 6.1 | 4,140 | 17,359 | 4.2 | 11,043 | 95,127 | 8.6 |
| Cape Igvak | | | | | | | | | | | | | | | | | |
| (262-75, 80, 90, 95) | | | | | | | | | | | | | | | | | |
| | Total | | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| Wide Bay | | | | | | | | | | | | | | | | | |
| (262-85) | | | | | | | | | | | | | | | | | |
| | Total | | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 |
| | Grand Total | | 3,895 | 26,303 | 6.8 | 1,820,350 | 9,239,154 | 5.1 | 438,065 | 3,577,047 | 8.2 | 5,946,894 | 22,885,496 | 3.8 | 463,834 | 3,728,141 | 8.0 |

*Note:* Includes cost recovery, but not test fish or commercial catch set aside for personal use.

# APPENDIX M. ESCAPEMENT DATA

Appendix M1.–Peak salmon escapements in the Kodiak Management Area, by district and species, 2018.

| | Number of Fish | | | | |
|---|---|---|---|---|---|
| District | Chinook | Sockeye | Coho | Pink | Chum |
| Afognak | 0 | 20,363 | 35,395 | 328,120 | 106 |
| Northwest Kodiak | 0 | 15,500 | 28,135 | 473,600 | 58,500 |
| Southwest Kodiak | 5,304 | 899,612 | 17,866 | 2,903,291 | 10,565 |
| Alitak | 66 | 531,827 | 35,745 | 690,029 | 32,540 |
| Eastside Kodiak | 8 | 26,849 | 37,100 | 313,136 | 82,070 |
| Northeast Kodiak | 0 | 4,284 | 12,205 | 166,166 | 3,764 |
| Mainland | 0 | 2,950 | 20,250 | 280,400 | 158,200 |
| Area Total | 5,378 | 1,501,385 | 186,696 | 5,154,742 | 345,745 |