Fishery Data Series No. 26-28

Genetic Stock Composition of Chum Salmon Harvested in Commercial Salmon Fisheries of the South Alaska Peninsula, 2025

by

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October 2026

Alaska Department of Fish and Game **Divisions of Sport Fish and Commercial Fisheries**

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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, χ^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

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ABSTRACT

The South Alaska Peninsula commercial salmon fishery occurs in the Alaska Peninsula Management Area and is regulated by multiple management plans approved by the Alaska Board of Fisheries. Large harvests of chum salmon in South Alaska Peninsula fisheries in 2021 corresponding with low returns of chum salmon to western Alaska raised concerns about the stock-specific harvests in South Alaska Peninsula fisheries. This study was designed to estimate stock, age, and length compositions and stock-specific harvests in South Alaska Peninsula fisheries in 2022–2026. This report presents results from the fourth year of the study. Genetic, age, and size samples were collected from June through August 2025, with temporal, spatial, and gear type stratification. A total of 10,805 tissue samples representing annual harvest of 1,169,346 were collected from 2 different port locations in 29 strata defined by time, area, and gear type of the South Alaska Peninsula fisheries in 2025. Of 10,892 chum salmon sampled for length, lengths from mid-eye to tail fork averaged 552 mm (range 366–720 mm). A total of 10,142 chum salmon were successfully aged, with age-0.3 being the most common (77.7%). A total of 5,310 samples (averaging 1 of every 220 fish harvested) were selected and genotyped to represent the 2025 harvests using mixed stock analysis techniques with an updated coastwide baseline including 13 reporting groups or stocks. Coastal Western Alaska was the largest contributor to the June fishery (31.6%), followed by Japan (22.4%) and British Columbia/Washington (16.5%). Harvests were larger in the post-June fishery where South Alaska Peninsula/West Kodiak Island was the largest contributor (44.7%), followed by Kodiak (22.0%) and British Columbia/Washington (8.6%). Overall, South Alaska Peninsula/West Kodiak Island was the largest contributor (39.7%) to the total South Alaska Peninsula commercial chum salmon fishery in 2025, followed by Kodiak (19.4%) and Japan (10.3%).

Keywords: South Alaska Peninsula, Area M, commercial fisheries, chum salmon, *Oncorhynchus keta*, stock composition, stock-specific harvest, mixed stock analysis, MSA, genetic stock identification, GSI, age composition, length composition, seine, gillnet

INTRODUCTION

Chum salmon *Oncorhynchus keta* are harvested alongside sockeye *O. nerka*, pink *O. gorbuscha*, coho *O. kisutch*, and Chinook *O. tshawytscha* salmon in commercial fisheries within the South Alaska Peninsula Management Area (Figure 1; hereafter referred to as "South Alaska Peninsula"). The Alaska Department of Fish and Game's (ADF&G, the department) South Alaska Peninsula (southern portion of Area M) includes waters from Kupreanof Point west to Scotch Cap on Unimak Island and includes the Unimak District, Bechevin Bay Section of the Northwestern District (in June only), Southwestern District, South Central District, and Southeastern District (Figure 2). The South Alaska Peninsula has approximately 224 salmon streams, with sockeye salmon found in 37, pink salmon in at least 204, chum salmon in 136, and coho salmon in 81 (Keyse et al. 2025). Escapement levels are primarily monitored via aerial surveys using small fixed-wing aircraft.

MANAGEMENT OF THE FISHERY

Three management plans guide ADF&G's approach to managing salmon fisheries in this area annually: the Southeastern District Mainland Salmon Management Plan (5 AAC 09.360), the South Unimak and Shumagin Islands June Salmon Management Plan (5 AAC 09.365), and the Post-June Salmon Management Plan for the South Alaska Peninsula (5 AAC 09.366). Three gear types are fished in the South Alaska Peninsula fisheries: purse seine, set gillnet, and drift gillnet (Figures 3–4). The South Alaska Peninsula fisheries include the June and post-June fisheries that vary in time and space for gear types. The South Unimak and Shumagin Islands June commercial salmon fisheries are in effect from June 6 through June 28. The South Unimak June fishery occurs in the Unimak and Southwestern districts, a portion of the South Central District, and the Bechevin Bay Section of the Northwestern District (Figure 3). The Shumagin Islands June fishery includes the Shumagin Islands Section of the Southeastern District (Figure 3). The Post-June Salmon Management Plan for the South Alaska Peninsula covers all waters of the South Alaska Peninsula

management area (except the Southeastern District Mainland [SEDM]) from July 1 through October 31 (Figure 4). The Southeastern District Mainland Salmon Management Plan covers the Southeast District Mainland Section of the Southeastern District from June 1 to October 31.

During the February 2023 Alaska Peninsula, Aleutian Islands, and Chignik meeting, the Alaska Board of Fisheries (board) made changes to the South Unimak and Shumagin Islands June Salmon Management Plan by amending the subsection that establishes the June fishing schedule for seine gear, and added a new subsection that reduces fishing time or closes commercial fishing in the South Unimak and Shumagin Islands if chum salmon harvest equals or exceeds set targets based on fish ticket information. The board also amended 5 AAC 09.330. *Gear*, subsection (c) to close the Sanak Island Section of the Unimak District to commercial salmon fishing for all gear types from June 1 through June 30. Due to the board designation of Chignik River early-run sockeye salmon as a stock of concern, the board adopted a management action plan that reduces fishing periods in June and the first fishing period in July for purse seine gear in the Shumagin Islands Section if the lower bound of the early run sockeye salmon escapement at the Chignik weir is not being met.

In 2023, 2024, and 2025, the seine fleet and processors attempted to curtail their overall harvest of chum salmon through implementation of voluntary reductions in fishing time within the regulatory fishing periods. These consisted of full fleet closures for either the Shumagin Islands Section and/or the entire South Unimak area, or area-specific standdowns. These regulations and fishery conditions were in effect for the 2025 season.

HISTORY OF STOCK COMPOSITION STUDIES IN SOUTH ALASKA PENINSULA FISHERIES

There is a long history of studies investigating the stock of origin of chum salmon caught in the South Alaska Peninsula area. Various chum salmon tagging experiments have been conducted in the area over the last century. In 1923, the U.S. Bureau of Fisheries tagged chum salmon in July in the vicinity of Unga Island and Ikatan and Morzhovoi bays (Gilbert and Rich 1925). In June 1939, the Bureau again tagged chum salmon in the vicinity of both South Unimak and Shumagin Islands (Shaul 2005). Tagging studies were conducted by the International North Pacific Fisheries Commission between 1956 and 1966, and one area of chum salmon releases was the offshore area south of Unimak Island in May and June (Brannian 1984). Chum salmon were tagged by the U.S. Fish and Wildlife service between June 15 and July 14, 1961, in the South Unimak and Ikatan Bay area (Thorsteinson and Merrell 1964). Other smaller chum tagging projects were conducted in the 1960s but unpublished (Shaul 2005). A large chum tagging project was conducted by ADF&G in June and early July 1987 around South Unimak and Shumagin Islands (Eggers et al. 1991). Other methods of determining stock of origin have been used in the modern era. An unpublished scale pattern analysis project was conducted in 1983 on June harvests of chum salmon in South Unimak and Shumagin Islands. From 1993 to 1996 genetic mixed stock analysis (MSA) techniques based upon allozymes conducted by the ADF&G Gene Conservation Laboratory (GCL) were used to determine stock of origin of chum salmon harvested in the South Alaska Peninsula commercial fishery in June (Seeb et al. 1997) and in July 1996 and 1997 (Crane and Seeb 2000). A detailed discussion of these historical tagging and early genetic stock identification studies is provided in Munro et al. (2012), but study results consistently indicate that nonlocal stocks make up most of the June and early July harvests of chum salmon.

A more recent and scientifically rigorous study, the Western Alaska Salmon Stock Identification Program (WASSIP), sampled catches from 2006 to 2009 as an objective measure of the stock of origin of chum and sockeye salmon caught by inshore commercial salmon fisheries of western Alaska (Eggers et al. 2011). Chum salmon sampled from 2007 to 2009 were subsequently analyzed for genetic MSA using a single nucleotide polymorphism (SNP) baseline developed for the study. The baseline reported stock compositions to 9 groups of populations (i.e., reporting groups or stocks) that were defined by a combination of stakeholder interest, population genetic structure, adequate representation of individuals and populations within reporting groups in the baseline, and expected contributions of reporting groups to catch samples. Identifying contributions from the large rivers and management areas of western Alaska (i.e., Norton Sound, and the Yukon, Kuskokwim, and Nushagak Rivers) in catch samples analyzed by WASSIP was a high priority for stakeholders. The Department collaborated on a concerted effort to identify genetic markers that could provide the population genetic structure to identify those groups of populations in catch samples (Seeb et al. 2011a), and selected markers to maximize population genetic structure between rivers and management areas within Western Alaska (DeCovich, Jasper, et al. 2012). Unfortunately, repeated baseline evaluation testing showed that the major rivers and management areas of western Alaska could not be distinguished in MSA, and WASSIP was conducted with the following 9 reporting groups: Asia, Kotzebue Sound, Coastal Western Alaska (CWAK), Upper Yukon, Northern District, Northwestern District, South Peninsula, Chignik/Kodiak, and East of Kodiak (DeCovich, Dann, et al. 2012). This inability to distinguish among CWAK groups is not new (Beacham et al. 2009, Kondzela et al. 2002, Seeb et al. 2004). Recent attempts to break apart CWAK into smaller reporting groups with modern sequencing techniques have similarly been unable to identify the Yukon, Kuskokwim, and Nushagak rivers separately despite using thousands of genetic markers (McKinney et al. 2022).

Stock compositions and stock-specific harvests and harvest rates from WASSIP were reported in 2012 (Dann et al. 2012; Habicht et al. 2012; Munro et al. 2012; Templin et al. 2012). Summarizing across 2007–2009, the CWAK reporting group composed a majority of the chum salmon harvests in the June fishery (57%; Table 1), followed by Asia (25%) and East of Kodiak (8%). The South Peninsula reporting group dominated the post-June fishery (average 70%), followed by Chignik/Kodiak (11%) and Asia (9%; Munro et al. 2012). Important aspects to understand when interpreting WASSIP estimates of stock-specific chum salmon harvests in South Alaska Peninsula fisheries are that the WASSIP study design (1) grouped harvests and samples among gear types, (2) included 5 temporal strata in the June fishery for most areas, (3) included 3 temporal strata in the post-June fishery for the Shumagin Islands, and (4) did not analyze harvests in the post-June fishery for the Unimak District.

Also worth noting is that the genetic baseline developed for WASSIP used reporting groups defined in part by stakeholder interest and management area boundaries, which may have led to some reporting groups that did not perform as well in MSA. As a result, populations from the Chignik and Kodiak areas were combined into a Chignik/Kodiak group despite the group's poor performance in baseline evaluation tests (average correct allocation 83%; DeCovich et al. 2012) with misallocation (16%) to the South Peninsula group. Similarly, the East of Kodiak group included groups of populations that were genetically identifiable from different management regions but were collapsed into a single reporting group due to the study's primary focus on western Alaska salmon.

Due to changes in relative abundance among reporting groups, prosecution of the fisheries, or marine survival or migratory behavior due to changes in ocean conditions, stock composition estimates of 2007–2009 harvests may differ from estimates for recent years. However, these historical estimates provide information regarding stock-specific harvests in South Alaska Peninsula fisheries and provided guidance in the design of the current study.

BACKGROUND LEADING TO CURRENT STUDY

In 2021, the largest harvests of chum salmon in the South Alaska Peninsula fisheries in more than 40 years happened concurrently with dramatic decreases in returns of chum salmon to Western Alaska. This renewed interest in the stock composition of harvests in South Alaska Peninsula fisheries. From 2016 to 2025, the South Alaska Peninsula June Fishery annual harvest averaged 4,111,801 salmon and was composed of 3,871 Chinook, 1,484,710 sockeye, 666 coho, 2,121,218 pink, and 501,337 chum salmon (Table 2). The South Alaska Peninsula June fisheries chum salmon harvest in 2021 was unusually high, the highest in the time series dating back to 1979 (1,168,601; Table 2), and fish size was also unusually small, with the smallest average body size on record.

The 2021 season also saw extremely poor returns of chum salmon to western Alaska rivers. In Norton Sound, the commercial harvest of 6,410 chum salmon was the poorest since the record low harvests of the early 2000s and was 5% of the recent 5-year (127,343) average and just over 5% of the recent 10-year (118,411) average (Menard et al. 2022). In the Yukon River, an estimated 153,718 summer chum salmon were counted at the Pilot Station sonar (±16,149, 90% CI; Jallen 2021), approximately 8% of the 2011–2020 average of 1,937,317 fish for the project. Cumulative summer chum salmon counts at the Pilot Station sonar were the lowest ever observed in the project's history (1995–2021), and as a result all commercial and subsistence salmon fishing remained closed for the entire season, and selective gear types were only open for non-salmon species (Ransbury et al. 2022). The drainagewide summer chum salmon run was approximately 160,135 fish, approximately 7% of the 5-year (2016–2020) average of 2,173,693 fish. For Yukon River fall chum salmon, the drainagewide estimate of total run was 95,249, approximately 10% of the recent 20-year average (Ransbury et al. 2022). In the Kuskokwim River, the total cumulative catch-per-unit-effort index of 327 for chum salmon at the Bethel Test Fishery was the lowest observed on record, approximately 6% of the 2011–2020 average of 5,867 fish (Smith and Gray 2022).

Evidence of poor chum salmon returns throughout AYK continued in 2022. In Norton Sound, chum salmon returns in 2022 were well below the runs of the 2010s but were an improvement over very low returns in 2021. The commercial harvest of 31,249 was one-quarter of the recent five-year average (118,262; Menard and Clark 2022). In the Yukon River, an estimated 463,806 summer chum salmon were counted at the Pilot Station sonar (with a 90% confidence interval of 438,989 to 488,623 fish; Jallen 2022), which was well below the historical median of 1.6 million fish from years with late run timing. The preliminary estimate of the 2022 fall chum salmon run size was 242,500 fish, the third lowest on record compared to a median run size (1974–2019) of 1,013,000 fish (Gleason and Borba 2023). Commercial and subsistence fisheries targeting salmon, including chum salmon, remained closed again in the Yukon River in 2022. In the Kuskokwim River, chum salmon escapements have varied widely since 2018. Following above-average escapement in 2019, the 2020 chum salmon run was well below average, the 2021 chum salmon run was the lowest on record, and the 2022 chum salmon run was the second lowest on record.

Exploitation from commercial harvest in the Kuskokwim Management Area has been limited due to Chinook and chum salmon conservation measures and the lack of a commercial processor in the last 6 years (Smith et al. 2022).

INITIATION OF CURRENT STUDY AND SUMMARY OF RESULTS FROM 2022-2024

This project was initiated by ADF&G in 2022 with primary objectives to sample, genotype, and estimate the stock, size, and age composition of the major chum salmon commercial fisheries in South Alaska Peninsula marine waters where and when significant catches of salmon occur from 2022 to 2026 (Foster and Dann 2022). Samples from 2022 harvests were analyzed with the WASSIP baseline in the fall of 2022 to be reported in time for the February 2023 Board of Fisheries meeting. The department normally waits to provide new estimates of stock-specific harvests from a fishery until 3 years of data are available so that data from an unusual year does not influence policy. Although 2022 was the initial year of a 5-year project, the WASSIP results (2007–2009) provided context (similar time and area groupings and same genetic baseline), so the 2022 stock-specific harvest estimates from South Alaska Peninsula fisheries were reported in 2023 (Dann et al. 2023) to inform Alaska Peninsula Board of Fisheries deliberations at the February 2023 meeting. Samples from 2023 and 2024 were analyzed in advance of the February 2026 Alaska Peninsula Board of Fisheries meeting with an updated baseline along with 2022 samples and were reported in 2025 (Dann et al. 2025). The updated baseline can identify 23 fine-scale and 7 broad-scale reporting groups for proportional MSA based upon population genetic structure and statistical performance. For the analysis of 2022–2024 samples, we used 13 reporting groups of management and stakeholder interests expected to be present in identifiable numbers in catch samples (Dann et al. 2025).

June Fishery Stock Composition

Major findings from 2022-2024 included that Japan was the largest contributing stock to commercial harvests in the June fishery for 2 of 3 years, averaging 27.4% from 2022–2024 (range 22.2–30.0%; Dann et al. 2025). Coastal Western Alaska was the second largest contributor to the June fishery for 2 of 3 years, averaging 24.3% (range 17.6–28.6%). Other major contributors included Russia (average 20.8%; range 17.0–28.0%) and BC/WA (average 10.4%; range 7.2–16.6%). No other stock averaged greater than 5% in the June fishery across 2022–2024.

Post-June Fishery Stock Composition

South Alaska Peninsula/West Kodiak Island was the largest contributing stock to commercial harvests in the post-June fishery, averaging 51.6% from 2022–2024 (range 42.5–63.3%; Dann et al. 2025). Kodiak on average contributed 11.2% (range 5.0–15.2%) to the post-June fishery. Other major contributors included BC/WA (average 10.1%; range 1.7–18.6%), Japan (average 8.9%; range 6.7–13.1%) and Russia (average 5.7%; range 4.7–7.6%). No other stock averaged greater than 5% in the post-June fishery across 2022–2024.

South Alaska Peninsula Fishery Stock Composition

Japan was the largest contributor to the overall South Alaska Peninsula fishery in 2 of 3 years, averaging 19.4% (range 9.6–26.3%; Dann et al. 2025). South Alaska Peninsula/West Kodiak Island was the largest contributing stock to commercial harvests in the South Alaska Peninsula fishery in 1 of 3 years, averaging 26.7% from 2022–2024 (range 15.8–52.6%). Other major

contributors included Russia (average 14.1%; range 7.1–20.3%), Coastal Western Alaska (average 13.8%; range 7.3–21.5%), BC/WA (average 9.7%; range 2.7–15.2%) and Kodiak (average 6.4%; range 1.7–11.3%). No other stock averaged greater than 5% to the overall South Alaska Peninsula fishery across 2022–2024.

Stock-specific Patterns of Harvest

Dann et al. (2025) produced 84 sets of estimates of stock composition and stock-specific harvests at the individual strata level and summarized stock-specific patterns of harvest among temporal periods, areas, gear types, and years. These were summarized in Appendix G in both stock-specific proportional contributions, indicating a stock's vulnerability, and in stock-specific harvest numbers, indicating overall impact, across strata defined by time, space, and gear types. Notable trends included that some stocks, including Japan and Russia, and CWAK stocks were most often observed in June and often appeared more vulnerable to the gillnet fleet and in western districts (Unimak and Southwestern), whereas the greatest harvest impact was often in the seine fleet with larger harvests. More local stocks (South Alaska Peninsula/West Kodiak Island, Kodiak) were dominant stocks in the post-June fishery with greater harvest impacts in the seine fleet. Observations of chum salmon from BC/WA were consistently greater in the seine fleet than the gillnet fleet in the Southeastern and South Central Districts but were roughly equal between gear types in the Unimak and Southwestern Districts with greater harvests in the seine fleet. Cook Inlet and Prince William Sound (PWS) were more often observed in July, in the Southeastern and South Central Districts, and in the gillnet fleet. Some stocks were not observed in large proportions and without clear trends of harvest patterns including Kotzebue Sound, Upper Yukon River, Northern Alaska Peninsula – east, Northern Alaska Peninsula – west, Southeast Alaska.

Current Study

This report summarizes results of sampling and analysis of genetic tissue, size, and age samples from chum salmon harvested in the commercial salmon fisheries of the South Alaska Peninsula in 2025. Due to a change in chemistry used to genotype samples, a slightly reduced marker suite of 84 single nucleotide polymorphisms (SNPs) was utilized for 2025 samples after previous baseline evaluation testing indicated minimal loss of accuracy and precision relative to the previously used 91 SNP marker suite. Additionally, after extensive sample size sensitivity analyses indicated negligible differences in estimate accuracy and precision, stratum-specific sample size goals were reduced from 380 to 190 samples for long-term project budgetary considerations and laboratory capacity.

OBJECTIVES

1. Collect genetic tissue (pelvic fin) from chum salmon caught in the major South Alaska Peninsula fisheries over the 2025 fishing season from June to August to best represent harvest where and when significant catches of salmon occur.
2. Select subsamples of genetic tissues in proportion to catch within designated areas, gear types, and temporal strata.
3. Using genetic MSA techniques, estimate stock proportions and stock-specific harvests of chum salmon in the South Alaska Peninsula strata using reporting groups defined in an updated coastwide baseline.
4. Estimate the age and length composition of chum salmon sampled from South Alaska Peninsula fisheries.

OVERVIEW

The primary objectives of this study were to sample, genotype, and estimate the stock composition of the major chum salmon commercial fisheries in marine waters of the South Alaska Peninsula where and when significant catches of salmon occur (Table 3; Figures 1–4) in 2025. The June and post-June fisheries had different sample collection and analysis designs reflecting differences in their scheduled (June) and local escapement-based (post-June) management. The sample collection and analysis designs were described by Foster and Dann (2022) and are summarized in Table 3. We estimated stock compositions of harvests by gear type (seine and drift/set gillnet) separately due to anecdotal evidence that the 2 gear types selectively harvest fish of different ages, maturity, and stock-of-origin. We also analyzed harvests in the different geographic areas, Unimak and Southwestern Districts, and South Central and Southeastern Districts, separately because these 2 areas may harvest different stocks (Munro et al. 2012).

In general, designs called for 1 temporal stratum for MSA for each of the scheduled openings in the June fishery for each gear type with the following exceptions: (1) The first opening is for the set gillnet fleet only, so seine and drift gillnet harvests were represented by each of the last 4 scheduled openings; (2) drift gillnet harvests in Unimak and Southwestern Districts are larger than set gillnet harvests in the South Central and Southeastern Districts and were represented by 4 strata (1 per opening); whereas (3) South Central and Southeastern Districts set gillnet harvests were represented by a single stratum representing all 5 openings for a total of 13 strata for the June fishery (Table 3; Foster and Dann 2022).

Post-June harvests were represented by 5 temporal strata for seine and 4 temporal strata for gillnet for each geographic area, Unimak and Southwestern Districts, and South Central and Southeastern Districts, for a total of 18 area and temporal strata (Table 3; Foster and Dann 2022). We grouped harvests of each geographic area into temporal strata that represent roughly equal harvests or temporal periods that represent distinct management time periods. Designated sampling areas encompass districts or partial districts as outlined in the fishery description below and are based on geographic location, harvest magnitude, and management discreteness, with consideration given to port delivery location.

FISHERY DESCRIPTION

The South Alaska Peninsula Management Area is divided into 4 districts: Unimak, Southwestern, South Central, and Southeastern Districts (Figure 2). The commercial salmon fishery season runs from June 1 to October 31, but a general distinction is made between the June and post-June fisheries. The vast majority of the harvest occurs between June and August, but fishing does often extend into September.

The June fishery of the South Alaska Peninsula occurs in the Shumagin Islands Section of the Southeastern District, the East and West Pavlof Bay Sections of the South Central District, the Southwestern District, the Unimak District, and the Bechevin Bay Section of the Northwestern District (Figures 2–4). Set gillnet gear is allowed in all areas (Figures 3–4), drift gillnet gear is allowed in the Bechevin Bay Section of the Northwestern District, the Unimak District, and portions of the Southwestern District (Figures 3–4), and purse seine gear is allowed in the Shumagin Islands Section, portions of the Southwestern District, the Unimak District, and the Bechevin Bay Section of the Northwestern District during the June fishery (Figure 3).

The post-June fishery of the South Alaska Peninsula can occur in all areas with the exception of SEDM, which has allocative restrictions related to the Chignik Management Area, and the Dolgoi Island area (Figure 4), which has harvest limits through July 25. Purse seine and set gillnet gear are allowed throughout the area during the post-June fishery with the exception of the SEDM and Dolgoi Island areas. Drift gillnet gear is allowed in the Unimak District and the Ikatan Bay Section of the Southwestern District. For a detailed description of this complex fishery, refer to the Area Management Report (Keyse et al. 2024).

METHODS

FISHERY SAMPLING

Tissues to determine stock of origin were collected through temporally stratified sampling of the commercial harvest of chum salmon throughout South Alaska Peninsula fisheries during the 2025 season to represent overall harvests (Table 3). Due to the varied nature of the June and post-June fisheries, temporal strata were defined separately for the 2 time periods. The June fishery has a predetermined schedule including an initial opening for set gillnet gear only, followed by 4 openings for set gillnet, drift gillnet, and seine gear. The post-June fishery is opened based upon local pink and chum salmon escapement. A majority of the chum salmon harvest occurs in 2 geographic areas: the Southeastern and South Central Districts, and the Unimak and Southwestern Districts. For purposes of this study, these 2 major geographic areas, which include 2 districts each, were combined for area stratum representation. Temporal strata were defined by the 4 scheduled openings in June for seine and drift gillnet gear types, and all 5 scheduled openings for set gillnet gear were condensed into a single stratum. The post-June fishery temporal strata were defined by 3 time periods of harvest in July for all gear types. Additionally, there were 2 temporal strata in August (except only 1 temporal stratum for set gillnet).

Technicians (samplers) collected biological samples from the commercial salmon fishery of the South Alaska Peninsula. The samplers were based at processing facilities located in Sand Point and False Pass. Samplers obtained fish ticket information (both before and after) when collecting samples to determine if the chum salmon were exclusively harvested from the area, gear, and time frame designated in the sampling plan. If fish ticket data were not available, the processing facility dock foreman or tender operator were interviewed. Once fish ticket information was available, the origin of the catch was confirmed. Fish selection was done without regard to fish size to ensure randomness.

Age and Length Sampling

The most common method of age determination in Pacific salmon is the analysis of the concentric rings (circuli) on the scale. Scales, when possible, were collected from the preferred area of each fish following the methods described by the International North Pacific Fish Commission (1963) and Welander (1940). One scale per fish was collected and mounted on scale "gum" cards and impressions were made on acetate/diacetate cards (Clutter and Whitesel 1956). Fish ages were assigned by examining scale impressions for annual growth increments using a microfiche reader fitted with a 48X lens, following the designation criteria established by Mosher (1968). Ages were recorded using European notation (Koo 1962), with a decimal separating the number of winters spent in fresh water (after emergence) from the number of winters spent in salt water. Length (mid eye to tail fork; METF) was measured to the nearest millimeter using aluminum measuring sticks.

The sex of the fish was not determined because secondary sexual characteristics were not developed enough for accurate determination of sex, and inspecting the gonads was not feasible.

Estimating Age Compositions and Length Distributions by Fishery

We summarized age compositions and length distributions of chum salmon sampled from South Alaska Peninsula at multiple spatiotemporal levels as well as by gear type. These samples included those selected for MSA as well as all additional samples collected for age and length determination. We summarized age and length compositions for individual strata used in MSA as well as by groupings of harvests representing different combinations of area, gear, and temporal periods of the South Alaska Peninsula. Estimated age compositions and associated variances of the population proportion were calculated using the methodology of Thompson (1992).

Tissue Sampling

Tissue samples from chum salmon were collected from all fish selected for sampling. A piece of the pelvic fin was clipped from the left side of the fish and placed onto a numbered grid on a numbered Whatman genetic card (WGC) following the procedures outlined in Foster and Dann (2022). All fishery sample information was recorded by the samplers on a form that paired tissue WGC barcode and grid numbers with age and length.

GENETIC ANALYSIS

Sample Selection

The number of strata and samples used to estimate stock-specific harvests were described in Foster and Dann (2022) and in Table 3. Tissue samples were grouped into predefined gear-, area-, and temporal-specific strata for the June fishery (the 5 regularly scheduled fishery openings). For the months of July and August, we divided harvests from each area-gear combination into roughly equal harvest totals so that each stratum represented roughly equal harvests. Within each stratum, we selected numbers of samples from each day to most closely represent that day's harvest contribution to the total harvest of the stratum. The target sample size for MSA was 190, and the minimum sample size was 100.

Laboratory Analysis

DNA Extraction

We extracted genomic DNA from tissue samples using a NucleoSpin 96 Tissue Kit (Macherey-Nagel, Düren, Germany).

Genotyping

Genetic data were collected as individual multilocus genotypes for a panel of 84 loci common to the baseline (Barclay et al. *In press*.). Genotyping generally followed the GT-seq protocol described in Campbell et al. (2015) and modified in Bootsma et al. (2022). Samples were sequenced using Illumina chemistry on a NextSeq, and average coverage was >50x. Genotyping was conducted using the GTscore pipeline without read corrections (V1.3, McKinney et al. 2019). Genotypic data were imported into the GCL database *Loki*.

Quality Control

We conducted quality control (QC) analyses to identify laboratory errors and to measure the background error rate of the genotyping process. The QC analyses were performed as a separate

event from the original genotyping, with staff duties altered to reduce the likelihood of repeated human errors. The QC protocol consisted of re-extracting 8% of project fish and genotyping them for the same SNPs assayed in the original project. Laboratory errors found during the QC process were corrected, and genotypes were corrected in the database. Inconsistencies not attributable to laboratory error were recorded, but original genotype scores were retained in the database. Discrepancy rates were calculated as the number of conflicting genotypes divided by the total number of genotypes compared. These rates describe the difference between original project data and QC data for all SNPs, and are capable of identifying extraction, assay plate, and genotyping errors. The overall failure rate was calculated by dividing the number of failed single-locus genotypes by the number of assayed single-locus genotypes. Assuming that the discrepancies among analyses were due equally to errors during original genotyping and during QC genotyping and that these analyses are unbiased, the error rate in the original genotyping was estimated as half the overall rate of discrepancies. This QC method is the best representation of the error rate of our current genotype production.

Statistical Analysis

Data Retrieval and Quality Control

Genotypes were retrieved from the database LOKI and imported into *R*[1]. All subsequent genetic analyses were performed in *R* unless otherwise noted. Prior to statistical analysis, 2 analyses were performed to confirm the quality of the data. First, individuals were identified that were missing 20% or more of loci (80% rule; Dann et al. 2009). These individuals were removed from further analyses because their samples were suspected to have poor-quality DNA, which might introduce genotyping errors into the mixture samples and reduce the accuracies of MSA. This method also identifies and removes samples from the wrong species.

The second quality control analysis identified individuals with duplicate genotypes and removed them from further analyses. Duplicate genotypes can occur from sampling or extracting the same individual twice and were defined as pairs of individuals sharing the same alleles in 95% or more of loci screened. The individual with the most missing genotypic data from each duplicate pair was removed from further analyses. If both individuals had the same amount of genotypic data, the first individual was removed from further analyses.

Estimating Stock Composition

We used the updated baseline to estimate stock compositions. The baseline is composed of 42,165 fish from 532 collections representing 382 populations grouped into 13 regional reporting groups (Dann et al. 2025): Japan, Russia, Kotzebue Sound, Coastal Western Alaska (CWAK), Upper Yukon River, Northern Alaska Peninsula – east, Northern Alaska Peninsula – west, South Alaska Peninsula/West Kodiak Island, Kodiak, Cook Inlet, Prince William Sound (PWS), Southeast Alaska, and British Columbia/Washington (BC/WA). It is worth noting that CWAK is summer chum salmon from the Coastal Western Alaska area, and Upper Yukon is fall chum salmon, including both U.S. and Canadian fall chum stocks.

We used the *R* package *rubias*[2] to estimate fishery stock compositions. For each mixture analysis, a single Markov Chain Monte Carlo chain with 25,000 iterations was run. The first 5,000 iterations

[1] The R project for Statistical Computing. Version 4.4.3. Vienna, Austria. https://www.R-project.org/ (accessed September 2026).

[2] Moran, B. M., and E. C. Anderson. 2019. Bayesian inference from the conditional genetic stock identification model. R package version 0.3.4. https://cran.r-project.org/web/packages/rubias/index.html (accessed September 2026).

of the chain were discarded to remove the influence of starting values. The prior parameters for each reporting group were defined to be equal (i.e., a flat prior). Within each reporting group, the population prior parameters were divided equally among the populations within that reporting group. We sampled every tenth iteration to form posterior distributions from the single chain output. Stock proportion estimates and the 90% credibility intervals for each mixture were calculated by taking the mean, median, standard deviation, and 5% and 95% quantiles of the posterior distribution.

Stock Specific Harvest

We applied harvest totals associated with each stratum based upon fish ticket data. We calculated stock-specific harvest estimates in each stratum by multiplying the reported harvest from that stratum by its unrounded estimates of reporting group proportions (obtained from MSA). Results were rounded to the nearest fish.

Stratified Estimates of Stock Specific Harvest

Each stratum represented a unique combination of sampling period (i), area (j), gear type (k), and temporal strata within each sampling period (l), and each represented different harvest totals. Reporting group estimates may be combined based on specific combinations of temporal strata, areas, and/or gear types. We used a hierarchical design to stratify estimates first among temporal strata within an area/gear, then among gear types within an area, areas within months, to June and post-June fisheries, and finally to the South Alaska Peninsula as a whole for each year (Table 4). Combined estimates were weighted by the harvest number of each stratum. Estimates of stock-specific harvest were derived by applying the stock-specific composition proportions (p_{ijkly}) to the stratum harvest C_{ijkl} .

$$C_{ijkly} = p_{ijkly} C_{ijkl} \tag{1}$$

The estimate ($\hat{C}_{ijkly}$) and distribution of stock-specific harvest for each reporting group (y) and component fishery (i, j, k, l) was obtained by Monte Carlo simulation. Here, B = 2,000 independent realizations of the reporting group–specific harvest ($C_{ijkly}^{(b)}$) drawn randomly from the joint distribution of the harvest ($C_{ijkl}^{(b)}$) and stock composition ($p_{ijkly}^{(b)}$) for each stratum

$$C_{ijkly}^{(b)} = p_{ijkly}^{(b)} C_{ijkl}^{(b)} \tag{2}$$

$$\hat{C}_{ijkly} = median\ of\ the\ B\ observations\ of\ C_{ijkly}^{(b)}. \tag{3}$$

Note that the 90% credibility interval (CI) was determined by 5th and 95th quantiles of the B observations of $C_{ijkly}^{(b)}$. The median, 90% CI, mean, SD and CV of the stock-specific harvests were estimated directly from B observations of $C_{ijkly}^{(b)}$. Although tables provide both medians and means, figures and text describing results typically report medians as the measure of central tendency as stock composition estimates for many stocks are right-skewed near 0.

Generation of stock-specific catch distributions required an estimate of the distribution of each component. The distributions of the stock compositions ($p_{ijkly}^{(b)}$) were the Bayesian posterior

distributions of stock proportions from the mixed stock analysis. The lognormal probability distribution for the harvest ($C_{ijkl}^{(b)}$) from each stratum used the harvests as the mean and CV of 5%.

Commercial catches of salmon are reported on fish tickets and for many fisheries the numbers were based on converting weight of fish to number of fish using an estimate of average fish weight. We recognized that the number of fish harvested within a temporal stratum is not counted without error; however, an actual assessment of error is not feasible at this time. Consequently, an ad hoc CV of 5% was applied to harvests of chum salmon, as was done in WASSIP.

Summary of Harvests of Asia and Coastal Western Alaska Chum Salmon

We applied the same stratified estimator approach to collapse estimates of some reporting groups in the new baseline to larger groups that were comparable with estimates from the WASSIP baseline. These combined groups included Asia (Japan and Russia combined) and East of Kodiak (Cook Inlet, PWS, Southeast Alaska, and BC/WA combined). We then also summarized total harvests of chum salmon from the Asia and CWAK reporting groups as they were the 2 dominant stocks observed in the June fishery during the WASSIP years (Munro et al 2012). We calculated the ratio of Asia to CWAK harvests in the June, post-June, and the entire South Alaska Peninsula fishery as a whole to compare with results from WASSIP. We also tabulated how much of each stock's total estimated harvest in the South Alaska Peninsula fishery was harvested in each fishery.

RESULTS

FISHERY SAMPLING

A total of 10,805 tissue samples were collected representing commercial harvests totaling 1,169,346 chum salmon in 2025 (Table 5). A total of 4,867 samples were collected from the June fishery, representing a harvest of 156,136, and 5,938 were collected from the post-June fishery, representing a harvest of 1,013,210. Approximately 1 out of every 108 chum salmon harvested in South Alaska Peninsula commercial fisheries were sampled for genetic material. Samples were collected in 29 strata of commercial chum salmon fisheries of the South Alaska Peninsula in 2025 (Table 6, Appendices A1–A2). Minimum sample sizes (100 fish) were achieved in 28 strata and reached or exceeded targeted goals (190 fish) in 25 strata.

Five temporal strata (4 seine and 1 gillnet) were targeted for sampling in the Southeastern and South Central Districts in June (Table 6). Target sampling objectives (190 fish) were achieved in all strata. Details of the sampling (i.e., daily tabulation of harvest and numbers of samples collected and selected) for each temporal stratum sampled and selected for MSA in the Southeastern and South Central Districts are provided in Appendix A1.

Eight temporal strata (4 seine and 4 gillnet) were targeted for sampling in the Unimak and Southwestern Districts in the June fishery (Table 6). Target sampling objectives (190 fish) were achieved in all strata except for the fourth June stratum for gillnet (drift), where harvest was low (41) and no samples were collected (Appendix A2). As a result, harvests for the 4th June stratum were represented by samples collected during the 3rd stratum. Details of the sampling (i.e., daily tabulation of harvest and numbers of samples collected and selected) for each temporal stratum sampled and selected for MSA in the Unimak and Southwestern Districts are provided in Appendix A2.

Nine temporal strata (5 seine and 4 gillnet) were targeted for sampling in the Southeastern and South Central Districts in the post-June fishery (Table 6). Target sampling objectives (190 fish)

were achieved in 7 out of the 9 strata. A total of 160 samples were used for each of the 2nd and 3rd gillnet strata in July, primarily a result of low harvest (Appendix A1). Details of the sampling (i.e., daily tabulation of harvest and numbers of samples collected and selected) for each temporal stratum sampled and selected for MSA in the Southeastern and South Central Districts are provided in Appendix A1.

Nine temporal strata (5 seine and 4 gillnet) were targeted for sampling in the Unimak and Southwestern Districts in the post-June fishery (Table 6). Target sampling objectives (190 fish) were achieved in 7 out of the 9 strata, a result of lower harvests in August as well as difficulty collecting late-season samples (Appendix A2). Details of the sampling (i.e., daily tabulation of harvest and numbers of samples collected and selected) for each temporal stratum sampled and selected for MSA in the Unimak and Southwestern Districts are provided in Appendix A2.

Age and Length Sampling

Of the 10,892 chum salmon sampled for length, the smallest size encountered was 366 mm, the largest was 720 mm, and the average length was 552 mm (METF; Figure 12). A total of 10,142 chum salmon were successfully aged. Of these fish, age-0.3 (77.7%) was the most common, followed by age-0.4 (17.3%), age-0.2 (4.3%), and age-0.5 (0.7%, Table 7; Figure 13). Age-0.6 were also present, with 3 fish recorded. Estimates of age and size were for all fish sampled from the stratum, and included additional fish that were not subsampled postseason for MSA; detailed estimates of age and size composition by area and stratum are provided in Appendix B and Appendix E.

Tissue Subsampling

A total of 5,310 samples (1 out of 220 harvested fish) were selected and genotyped to represent the 2025 harvest for MSA, ranging from 80 to 190 among strata (Table 6). Total numbers of tissues genotyped per stratum are available in Table 6. Daily numbers of fish genotyped and utilized for final analysis by area, gear and stratum are found in Appendices A1–A2.

LABORATORY ANALYSIS

Assaying Genotypes

A total of 5,310 fish had DNA extracted and were genotyped at 84 genetic markers producing 446,040 total genotypes with an overall genotyping success rate of 99.7%.

Laboratory Quality Control

The quality control process demonstrated a high overall concordance rate of 99.8% (Table 8). Assuming an equal error rate in the original and quality control genotyping process, and that this project accurately represents our genotyping process, South Alaska Peninsula chum harvest samples used in MSA were genotyped with an error rate of 0.1%.

STATISTICAL ANALYSIS

Data Retrieval and Quality Control

A total of 29 individuals were identified as not being chum salmon, ranging from 1 to 6 among strata, and were removed from further analysis. Four individuals from 4 strata were removed from further analysis based on the 80% rule. A total of 3 duplicate individuals were identified and

removed. After removing these 38 individuals, 5,272 samples remained and were used in the MSA (Table 6).

Stock Compositions Estimates by Fishery

The next 3 sections include stratified season summaries at the June, post-June, and South Alaska Peninsula fishery levels, and are followed by individual strata-level results and lower-level stratified results (temporal strata within month, area and gear type combined, gear types within month and area combined, etc.; Table 4).

Summary of Stratified Estimates of June Fishery

Coastal Western Alaska was the largest contributing stock to commercial harvests in the June fishery, contributing 31.6% (Table 9, Figure 5). Japan was the 2nd largest contributor to the June fishery (22.4%), followed by BC/WA (16.4%), Russia (8.7%), and South Alaska Peninsula/Kodiak Island (7.2%). No other stock contributed greater than 5%.

Summary of Stratified Estimates of Post-June Fishery

South Alaska Peninsula/West Kodiak Island was the largest contributing stock to commercial harvests in the post-June fishery, contributing 44.6% (Table 10, Figure 6). Kodiak was the second largest contributor to the post-June fishery (22.2%), followed by BC/WA (8.6%), and Japan (8.4%). No other stock contributed greater than 5%.

Summary of Stratified Estimates of South Alaska Peninsula Fishery

South Alaska Peninsula/West Kodiak Island was the largest contributing stock to commercial harvests in the overall South Alaska Peninsula fishery, contributing 39.6% (Table 11, Figure 7). Kodiak was the second largest contributor to the overall South Alaska Peninsula fishery (19.6%), followed by Japan (10.3%), BC/WA (9.6%), CWAK (6.1%) and Russia (5.2%). No other stock contributed greater than 5%.

June Fishery

The June fishery was sampled for chum salmon harvests in 2 area strata: the Southeastern and South Central Districts and the Unimak and Southwestern Districts. The Southeastern and South Central Districts area stratum included 4 temporal June strata for the seine fishery and 1 temporal June stratum for the gillnet fishery. The Unimak and Southwestern Districts area stratum included 4 temporal June strata for the seine fishery and 3 temporal June strata for the gillnet fishery, but harvests during the 4th gillnet stratum were minimal, and samples were not collected. Therefore, those harvests were associated with samples from the 3rd gillnet stratum. Sample goals were achieved in 12 of the revised 12 strata, and sufficient samples were available for MSA in all strata (Table 6).

Southeastern and South Central Districts

Seine

The seine harvests during the June fishery in the Southeastern and South Central Districts were represented by 4 temporal strata. Most of the estimated harvest composition was from Japan, BC/WA, South Alaska Peninsula/West Kodiak Island, CWAK, and Russia reporting groups (Figure 8, Appendices C1–C4). Japan and BC/WA were the largest contributors to harvest with Japan contributing the most to the 2nd and 3rd June strata (range: 20.3–35.9%) and BC/WA contributing the most to the first stratum (range: 15.7–23.5%). South Alaska Peninsula/West

Kodiak Island contributions generally increased among June strata (range: 6.2–24.8%) whereas CWAK contributions generally decreased among June strata (range: 10.6–24.5%). The only other Alaska groups to exceed 5% were Kodiak (4th stratum), and PWS (2nd and 4th strata).

Harvests were lowest during the first June stratum and highest during the third June stratum (range: 5,117–31,321; Table 6). Estimated stock-specific harvests varied among strata, with Japan and BC/WA generally contributing the most to harvest in most June strata (Figure 8, Appendices C1–C4). When the 4 temporal strata were combined, total June seine harvest in the Southeastern and South Central Districts was 66,440 fish. Japan and BC/WA composed most of the harvest in June with an estimated 19,625 (29.5%) and 13,432 (20.2%) fish, respectively (Appendix D1). South Alaska Peninsula/West Kodiak Island contributed an estimated 9,332 fish (14.0%), CWAK contributed an estimated 9,147 fish (13.8%), and Russia contributed an estimated 7,225 fish (10.9%). No other group contributed more than 5% to the June seine harvest in the Southeastern and South Central Districts.

Gillnet

The gillnet harvests during the June fishery were lower than seine harvests in the Southeastern and South Central Districts and were represented by a single stratum (Table 6, Figure 9). PWS was the largest contributor with 421 fish (36.1%), followed by South Alaska Peninsula/West Kodiak Island (365; 31.3%), CWAK (89, 7.6%) Kodiak (81; 6.9%), and North Alaska Peninsula – East (60; 5.1%; Figure 9, Appendix C5). No other groups contributed more than 5% of the harvest.

All Southeastern and South Central June Harvests

The total June fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, was 67,606 fish (Table 6). Japan and BC/WA composed most of the harvest with an estimated 19,629 (29.0%) and 13,460 (19.9%), respectively (Appendix D2). South Alaska Peninsula/West Kodiak Island contributed an estimated 9,716 fish (14.3%), CWAK an estimated 9,213 fish (13.6%), and Russia an estimated 7,260 fish (10.7%). No other group contributed more than 5% to the June harvest in the Southeastern and South Central Districts.

Unimak and Southwestern Districts

Seine

The seine harvests during the June fishery in the Unimak and Southwestern Districts were represented by 4 temporal strata. Most of the estimated harvest composition was from CWAK, Japan, and BC/WA with minor contributions from other groups (Figure 10, Appendices C6–C9). CWAK was the largest contributor to harvest in all 4 June strata (range 28.4–48.5%), whereas Japan and BC/WA contributions varied among June strata (range 15.3–26.1% and 9.1–20.4%, respectively). Other groups that exceeded 5% were Russia (all strata), Northern Alaska Peninsula – east (third and fourth strata) and Northern Alaska Peninsula – west (third stratum).

Harvests were lower during the 3rd and 4th strata and higher during the first and second strata, ranging from 3,148 to 20,660 fish (Table 6). Estimated stock-specific harvests varied among strata with CWAK, Japan, and BC/WA dominating harvest in all June strata (Figure 10, Appendices C6–C12). When the 4 temporal strata were combined, total June seine harvest in the Unimak and Southwestern Districts was 52,308 fish. CWAK and Japan composed most of the harvest in June with an estimated 23,027 (44.0%) and 10,746 (20.5%) fish, respectively (Appendix D3). BC/WA

contributed an estimated 7,491 fish (14.3%), and Russia contributed an estimated 3,934 fish (7.5%). No other group contributed more than 5% of the June seine harvest in the Unimak and Southwestern Districts.

Gillnet

The gillnet harvests during the June fishery in the Unimak and Southwestern Districts were represented by 3 temporal strata. Most of the estimated harvest composition was from CWAK and BC/WA, with lesser contributions from other groups (Figure 11, Appendices C10–C13). CWAK contributed the most to all June strata (range 38.6–59.8%). BC/WA contributions decreased among June strata (range: 5.9–14.2%). Other groups that exceeded a 5% contribution in at least 1 stratum were Japan (range: 4.1–14.2%), Russia, South Alaska Peninsula/West Kodiak Island, PWS, Northern Alaska Peninsula – east, and Northern Alaska Peninsula – west.

Harvests increased from the 1st stratum to the 2nd stratum and decreased during the 3rd stratum, ranging from 2,933 to 24,272 fish (Table 6). CWAK harvests were the greatest in all strata (Figure 11, Appendices C10–C13). When the 3 temporal strata were combined, total June gillnet harvest in the Unimak and Southwestern Districts was 36,222 fish. CWAK and BC/WA composed most of the harvest in June with an estimated 17,224 (47.5%) and 4,644 (12.9%) fish, respectively (Appendix D4). Japan contributed an estimated 4,488 fish (12.3%), and Russia contributed an estimated 2,267 fish (6.2%). No other groups contributed more than 5% of the June gillnet harvest in the Unimak and Southwestern Districts.

All Unimak and Southwestern June Harvests

The total June fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was 88,530 fish (Table 6). CWAK and Japan composed most of the harvest in June with an estimated 40,171 fish (45.4%) and 15,233 (17.2%), respectively (Appendix D5). BC/WA contributed an estimated 12,152 fish (13.7%) and Russia an estimated 6,218 fish (7.0%). No other group contributed more than 5% of the June harvest in the Unimak and Southwestern Districts.

July Fishery

The July fishery was sampled for chum salmon harvest in 2 area strata, including the Southeastern and South Central Districts and the Unimak and Southwestern Districts. The Southeastern and South Central Districts area stratum included 3 temporal July strata for the seine fishery and 3 temporal July strata for the gillnet fishery. The Unimak and Southwestern Districts area stratum included 3 temporal July strata for the seine fishery and 3 temporal July strata for the gillnet fishery. Sample goals were achieved in 10 of the 12 strata, and sufficient samples were available for MSA in all strata (Table 6).

Southeastern and South Central Districts

Seine

The seine harvests during the July fishery in the Southeastern and South Central Districts were represented by 3 temporal strata. Most of the estimated harvest composition was from South Alaska Peninsula/West Kodiak Island which contributed the most to all July strata (range: 54.0–71.7%; Figure 8, Appendices C13–C15). Kodiak contributions varied among July strata (range: 15.7–36.5%). The only other groups to exceed 5% were Cook Inlet and BC/WA (1st stratum).

Harvests were lowest during the last July stratum and highest during the 2nd July stratum (range: 43,924–141,334; Table 6). South Alaska Peninsula/West Kodiak Island dominated harvest in all strata (Figure 8, Appendices C13–C15). When the 3 temporal strata were combined, total July seine harvest in the Southeastern and South Central Districts was 300,678 fish. South Alaska Peninsula/West Kodiak Island and Kodiak composed most of the seine harvest in the Southeastern and South Central Districts in July with an estimated 176,493 (58.8%) and 79,323 (26.6%) fish, respectively (Appendix D6). No other group contributed more than 5% to the July seine harvest in the Southeastern and South Central Districts.

Gillnet

The gillnet harvests during the July fishery in the Southeastern and South Central districts were represented by 3 temporal strata. Most of the estimated harvest composition was from South Alaska Peninsula/West Kodiak Island, with lesser contributions from Kodiak and Cook Inlet. South Alaska Peninsula/West Kodiak Island contributed the most to all July strata (range 53.4–86.3%), and Kodiak contributed the 2nd most to the 2nd and 3rd strata (range 0.6–38.2%; Figure 9, Appendices C16–C18). The only other group to exceed 5% was Cook Inlet (2nd stratum).

Harvests varied among strata, ranging from 4,145 to 9,657 fish (Table 6). South Alaska Peninsula/West Kodiak Island and Kodiak dominated harvest in all strata (Figure 9, Appendices C16–C18). When the 3 temporal strata were combined, total July gillnet harvest in the Southeastern and South Central Districts was 22,445 fish (Table 6). South Alaska Peninsula/West Kodiak Island and Kodiak composed most of the harvest in July with an estimated 15,133 (67.7%) and 4,905 (21.9%) fish, respectively (Appendix D7). Cook Inlet contributed an estimated 1,238 fish (5.5%). No other groups contributed more than 5% to the July gillnet harvest in the Southeastern and South Central Districts.

All Southeastern and South Central July Harvests

The total July fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, was 323,123 fish (Table 6). South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 191,986 fish (59.5%; Appendix D8). Kodiak contributed an estimated 84,903 fish (26.3%). No other group contributed more than 5% of the July harvest in the Southeastern and South Central Districts.

Unimak and Southwestern Districts

Seine

The seine harvests during the July fishery in the Unimak and Southwestern Districts were represented by 3 temporal strata. The estimated harvest composition was spread across many groups. Contributions from South Alaska Peninsula/West Kodiak Island increased among strata (range 0.0–42.3%), whereas contributions from Japan (range: 8.3–30.4%) and BC/WA (range 11.4–22.7%) decreased among strata. Other groups to exceed 5% in at least one stratum included CWAK (range: 1.3–8.7%), Northern Alaska Peninsula – east (0.0–8.5%), Kodiak (range: 0.0–6.1%) and Southeast Alaska (3.5–8.1%; Figure 10, Appendices C19–C21).

Harvests (range 49,136–184,765; Table 6) and stock-specific harvests varied among July (Figure 10, Appendices C19–C21). When the 3 temporal strata were combined, total July seine harvest in the Unimak and Southwestern Districts was 334,034 fish. Six of 13 groups contributed

more than 5% to the July seine harvest in the Unimak and Southwestern Districts, with Japan contributing the most (76,371 fish; 22.2%; Appendix D9).

Gillnet

The gillnet harvests during the July fishery in the Unimak and Southwestern Districts were represented by 3 temporal strata. Most of the estimated harvest composition was from South Alaska Peninsula/West Kodiak Island (50.2–69.2%). Other groups contributing more than 5% included Kodiak (0.5–18.7%), Northern Alaska Peninsula – west (3.4–15.6%), Northern Alaska Peninsula – east (0.8–9.6%), BC/WA (1.5–5.6%), and PWS (0.0–5.2%; Figure 11, Appendices C22–C24).

Harvests decreased among strata from 14,604 to 4,404 fish (Table 6). Estimated stock-specific harvests varied among strata, with South Alaska Peninsula/West Kodiak Island and Kodiak Island dominating harvest in all strata (Figure 11, Appendices C22–C24). When temporal strata were combined, total July gillnet harvest in the Unimak and Southwestern districts was 27,164 fish. South Alaska Peninsula/West Kodiak Island made up most of the harvest in July with an estimated 15,362 fish (56.6%; Appendix D10). Northern Alaska Peninsula – west contributed an estimated 3,013 fish (11.1%), Kodiak an estimated 2,679 fish (9.8%), and Northern Alaska Peninsula – east contributed an estimated 1,761 fish (6.5%). No other group contributed more than 5% to the July gillnet harvest in the Unimak and Southwestern Districts.

All Unimak and Southwestern July Harvests

The total July fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was 371,198 fish (Table 6). South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 89,423 fish (24.1%) followed by Japan (76,822 fish; 20.7%), BC/WA (71,479 fish; 19.2%), Russia (40,259 fish; 10.9%), CWAK (22,215 fish; 6.0%), and Southeast Alaska (19,639 fish; 5.3%; Appendix D11). No other group contributed more than 5% to the July harvest in the Unimak and Southwestern districts.

All July Harvests

The total July fishery harvest across all districts, gear types, and strata was larger than both the June and August harvests, with a total harvest of 694,321 fish (Table 6). South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 280,767 fish (40.6%), followed by Kodiak (96,989 fish; 14.0%), BC/WA (85,333 fish; 12.3%), Japan (83,206; 12.0%) and Russia (45,953 fish; 6.6%; Appendix D12). No other group contributed more than 5% to the July harvest in the South Alaska Peninsula fishery.

August Fishery

The August seine fishery was sampled for chum salmon harvest in 2 area strata including the Southeastern and South Central Districts and the Unimak and Southwestern Districts. The Southeastern and South Central Districts area stratum included 2 temporal August strata for the seine fishery and 1 for the gillnet fishery. The Unimak and Southwestern districts area stratum included 1 temporal August stratum for each of the seine and gillnet fisheries. Sample goals were achieved in 3 of the 5 strata, and sufficient samples were available for MSA in all strata (Table 6).

Southeastern and South Central Districts

Seine

The seine harvests during the August fishery in the Southeastern and South Central Districts were represented by 2 temporal strata. Most of the estimated harvest composition was from South Alaska Peninsula/West Kodiak Island and Kodiak reporting groups, with minor contributions from other groups. South Alaska Peninsula/West Kodiak Island contributed the most to both August strata (range: 61.6–62.2%), with Kodiak contributing most of the remainder (range: 32.8–33.5%; Figure 8, Appendices C25–C26). No other group contributed more than 5% of the August seine harvest in the Southeastern and South Central Districts.

Harvest was greater during the 2nd August stratum than the 1st stratum (94,309 and 82,828; Table 6). Estimated stock-specific harvests were similar between strata, with South Alaska Peninsula/West Kodiak Island and Kodiak dominating harvest in both strata (Appendices C25-26; Figure 8). When both temporal strata were combined, total August seine harvest in the Southeastern and South Central Districts was 177,137 fish. South Alaska Peninsula/West Kodiak Island and Kodiak composed the vast majority of the harvest in August with an estimated 109,203 (61.8%) and 58,833 (33.3%) fish, respectively (Appendix D13). No other group contributed more than 5% to the August seine harvest in the Southeastern and South Central Districts.

Gillnet

The gillnet harvests during the August fishery in the Southeastern and South Central Districts were represented by a single temporal stratum. Total August gillnet harvest in the Southeastern and South Central Districts was 13,139 fish (Table 6). Most of the estimated harvest composition was from South Alaska Peninsula/West Kodiak Island (9,963 fish; 75.8%; Figure 9, Appendix C27). Kodiak was the only other group that contributed more than 5% (2,810 fish; 21.4%) to the August gillnet harvest in the Southeastern and South Central Districts.

All Southeastern and South Central August Harvests

The total August fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, was 190,276 fish (Table 6). South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in August with an estimated 118,990 fish (62.8%; Appendix D14), while Kodiak contributed an estimated 61,764 fish (32.4%). No other group contributed more than 5% of the August harvest in the Southeastern and South Central Districts.

Unimak and Southwestern Districts

Seine

The seine harvests during the August fishery in the Unimak and Southwestern Districts were represented by a single temporal stratum. Total August seine harvest in the Unimak and Southwestern Districts was 115,514 fish (Table 6). Most of the estimated harvest composition was from Kodiak (63,132 fish; 54.7%), whereas South Alaska Peninsula/West Kodiak Island contributed 41,291 fish (35.7%) and Northern Alaska Peninsula – west 7,085 fish (6.1%; Figure 10, Appendix C28). No other group contributed more than 5% to the August seine harvest in the Unimak and Southwestern Districts.

Gillnet

The gillnet harvests during the August fishery in the Unimak and Southwestern Districts were represented by a single temporal stratum. Total August gillnet harvest in the Unimak and Southwestern Districts was 13,099 fish (Table 6). Most of the estimated harvest composition was from South Alaska Peninsula/West Kodiak Island (11,260 fish; 86.0%), whereas Northern Alaska Peninsula – west contributed 1,062 fish (8.1%; Figure 11, Appendix C29). No other group contributed more than 5% to the August gillnet harvest in the Unimak and Southwestern Districts.

All Unimak and Southwestern August Harvests

The total August fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was 128,613 fish (Table 6). Kodiak contributed the largest proportion of the harvest in August with an estimated 63,984 fish (49.8%), whereas South Alaska Peninsula/West Kodiak Island contributed an estimated 52,136 fish (40.6%), and Northern Alaska Peninsula – west contributed an estimated 8,103 fish (6.3%; Appendix D15). No other group contributed more than 5% of the August harvest in the Unimak and Southwestern Districts.

All August Harvests

The total August fishery harvest across all districts, gear types, and strata was smaller than July harvests but larger than June harvests, with a total harvest of 318,889 fish (Table 6). South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in August with an estimated 171,019 fish (53.6%), followed by Kodiak (126,227 fish; 39.6%; Appendix D16). No other group contributed more than 5% to the August harvest.

Summary of Harvests of Asia and Coastal Western Alaska Chum Salmon

Harvests of CWAK were greater in the June fishery than the post-June fishery, while for Asia it was the opposite. Harvest of Asia chum salmon was estimated to be 48,437 in the June fishery, 132,854 in the post-June fishery, and 181,291 across both fisheries in the South Alaska Peninsula area (Table 12). Harvests of CWAK chum salmon were estimated to be 49,356 in the June fishery, 22,876 in the post-June fishery, and 72,221 across both fisheries in the South Alaska Peninsula area (Table 12). The overall ratio of Asia to CWAK fish (Asia/CWAK) was 2.51, and greater in the post-June fishery (5.81) than the June fishery (0.98).

DISCUSSION

PROJECT SUMMARY

We collected 10,805 tissue samples for genetic analysis from chum salmon harvested in the major South Alaska Peninsula fisheries during the 2025 fishing season. Tissue samples were collected from nearly every day the fishery was open and that deliveries occurred. From these samples, we selected 5,310 subsamples of genetic tissues in proportion to catch within 29 strata defined by designated time periods, areas, and gear type. We genotyped these samples for 84 genetic markers common to an updated coastwide baseline and used genetic MSA techniques to estimate stock proportions and stock-specific harvests of chum salmon in the South Alaska Peninsula strata.

The extensive sampling and analysis of 2025 harvests resulted in genetic analysis of approximately 1 of every 220 fish harvested, an analysis rate higher than most MSA programs, resulting in well-represented estimates of stock-specific harvests. We also measured the length and estimated ages from 10,892 and 10,142 catch samples, respectively, providing estimates of age and length

compositions of South Alaska Peninsula harvests and valuable context for interpretation of stock composition estimates and resource management, though it should be noted that samples from the fishery in August can be difficult to collect and may not be as representative as those from earlier months.

COMPARISON WITH PREVIOUS WORK

Age and length

In 2025, mean size of chum salmon in the gillnet fisheries increased during June, July, and August, although chum in drift gillnet in the Unimak/Southwestern Districts were smaller in July than either June or August (Figure 12). The mean size of chum salmon in the Southeastern and South Central Districts seine fisheries decreased from June to August, whereas size in the Unimak and Southwestern Districts seine fisheries varied over time, with fish being the smallest in July and the largest in August (Figure 12)

Comparing mean sizes of chum salmon sampled in the South Alaska Peninsula fisheries over the most recent 4 years shows that mean METF length has been similar over the duration of this sampling project, with less than 10mm variation between total average length (all sampled fish) of in all years. 2024 showed the greatest variation in length, with both the smallest (299mm) and largest (798 mm) chum salmon measured in all 4 years (Figure 12), whereas fish sampled in 2022 had the least variation in size (396 mm difference between smallest and largest fish measured). Average size at age-0.3 chum (the largest age class in all years) was consistent across years, ranging from an average length of 550 mm in 2025 to 558 mm in 2023. No statistical trends in increasing or decreasing size-at-age were discernible during the four years of sampling.

In all years, the proportion of age-0.3 chum increased from June to August. In 2025, age-0.3 composed a greater proportion of the sampled chum salmon compared to previous years, with a significantly smaller percentage of age-0.4 fish than observed in 2022–2024 (Figure 13). However, 2025 also had the fewest chum sampled in all years, and samples were only collected from the South Central/Southwestern Districts in August. It is possible that additional samples in August or in the Unimak/Southwestern District in 2025 may have yielded more age-0.4 fish, but trends in age composition from 2022–2024 don't suggest a significant proportion of the harvest in August is age-0.4 fish. Overall, chum salmon sampled in 2025 were not significantly different in size from 2022–2024, with a greater proportion of age-0.3 fish in samples than seen in previous years.

Methodological differences

This project built upon similar methods from analyses of 2022–2024 harvests with some minor differences. The chemistry used to genotype samples has changed to a method called genotyping-in-thousands by sequencing, or GT-seq (Campbell et al. 2015). As a result, 84 of the genetic markers common to the baseline built upon 91 markers were used. Baseline evaluation tests confirmed similar measures of reporting group accuracy and precision prior to the change in marker suites. Similarly, in an effort to reduce project costs and fit this project into the GCL lab calendar, for 2025 catches each sample stratum was represented by 190 fish; a reduction from 380 fish per stratum as was implemented in the 2022–2024 analysis. This change was made after extensive sample size sensitivity analyses that showed no appreciable loss in accuracy or precision of stock composition estimates from the reduction in stratum sample size.

June, Post-June and Annual fisheries

Harvests of chum salmon in the South Alaska Peninsula in 2025 differed from harvests in 2022–2024 in that June harvests were smaller, and a majority of harvests occurred in the post-June fishery (Tables 2, 9–11). As a result, small gillnet harvests in the Unimak and Southwestern Districts during the final fishery opening in June were combined and analyzed with the 3rd fishery opening in June (Table 6). Similar to 2022–2024, CWAK, Japan, BC/WA, and Russia were major contributors to the June fishery (Table 9), whereas more local stocks (South Alaska Peninsula/West Kodiak Island and Kodiak) dominated post-June fishery harvests (Table 10). Overall, a majority of chum salmon harvested in South Alaska Peninsula fisheries in 2025 originated from South Alaska Peninsula/West Kodiak Island, Kodiak, Japan and BC/WA (Table 11). An estimated 71,945 (6.1%) fish from CWAK were harvested in the South Alaska Peninsula, a lower rate than observed in 2022–2024 or the WASSIP years (2007–2009; Table 13, Figure 14).

Stock-specific trends

Stock-specific patterns of harvests were similar to recent years (2022–2024; Appendix F; Appendix G of Dann et al. 2025). In general, chum salmon from Coastal Western Alaska are more often harvested in June, in more western districts (Unimak and Southwestern), similar to chum salmon from Asia, while more local stocks (South Alaska Peninsula/West Kodiak Island and Kodiak) contributed the most to post-June harvests (Appendix F).

FUTURE WORK

We plan to continue estimating the stock composition, stock-specific harvests, and length and age composition of chum salmon harvested in South Alaska Peninsula commercial fisheries in 2026. We expect to follow a similar sampling and analysis plan to provide context from contemporary years that reflect current ocean conditions, relative productivity among stocks, and migratory pathways of chum salmon. These additional years of data will allow a more direct, intentional analysis of stock and age compositions to better understand relationships between measurements and how they vary by month, gear type, and area of the South Alaska Peninsula fishery.

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TABLES

Table 1.–Summary of stock-specific harvests of chum salmon in the June fishery of the South Alaska Peninsula in 2007–2009. Mean harvests summarize stock-specific harvests after temporal and area strata were summarized together into fishery strata (June fishery). Estimates include annual mean harvests, annual proportion of total harvest, and average of annual proportions.

	June Fishery Mean Harvests			June Fishery Mean Proportion			June
Reporting Group	2007	2008	2009	2007	2008	2009	Average
Asia	60,760	117,171	178,693	0.2	0.29	0.26	0.25
Kotzebue Sound	1,349	4,154	2,791	0	0.01	0	0.01
Coastal W. AK	177,867	214,464	420,739	0.6	0.52	0.6	0.57
Upper Yukon River	3,752	6,914	1,612	0.01	0.02	0	0.01
Northern District	861	5,533	5,816	0	0.01	0.01	0.01
Northwestern District	2,492	13,760	31,034	0.01	0.03	0.04	0.03
South Peninsula	3,401	8,108	8,113	0.01	0.02	0.01	0.01
Chignik/Kodiak	4,889	13,186	16,075	0.02	0.03	0.02	0.02
East of Kodiak	42,183	27,620	31,931	0.14	0.07	0.05	0.08
Total	297,554	410,910	696,804	1	1	1	1

Note: Estimates of June Fishery Mean Harvests are sourced from Tables 122–124 of Munro et al. (2012), harvest and harvest rates by fishery, where area strata are rolled into fishery strata.

Table 2.–South Unimak and Shumagin Islands June commercial salmon harvest by species and year, 1979–2025.

			Number of salmon[a]					
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1979	196	1,695	1,050	851,351	290	154,813	104,103	1,111,607
1980	225	2,044	3,193	3,206,275	853	1,526,306	508,865	5,245,492
1981	243	2,400	5,672	1,820,965	320	451,250	563,947	2,842,154
1982	251	2,612	7,131	2,118,701	1,241	1,718,825	1,095,044	4,940,942
1983	281	1,721	13,456	1,961,569	4	55,875	785,631	2,816,535
1984	280	1,117	3,854	1,388,203	14	919,876	337,120	2,649,067
1985	305	2,120	5,777	1,791,400	2,468	106,615	433,829	2,340,089
1986	298	1,486	1,895	471,397	2	291,989	351,769	1,117,052
1987	290	2,019	5,163	792,964	380	16,982	443,019	1,258,508
1988	301	1,777	4,064	756,687	255	180,224	526,711	1,467,941
1989	305	1,350	2,758	1,744,505	0	199,235	455,163	2,401,661
1990	320	2,718	10,332	1,344,529	1	515,047	518,545	2,388,454
1991	334	2,025	4,473	1,548,930	12	619,137	772,705	2,945,257
1992	321	1,925	3,760	2,457,856	4	642,090	426,203	3,529,913
1993	327	2,262	9,466	2,973,744	1,233	81,136	532,247	3,597,826
1994	324	2,751	7,590	1,461,263	1,579	2,492,514	582,165	4,545,111
1995	332	3,635	14,747	2,105,321	6,042	178,635	537,433	2,842,178
1996	313	2,676	2,845	1,028,970	13,219	377,684	359,820	1,782,538
1997	292	3,174	5,811	1,628,181	560	605,937	322,325	2,562,814
1998	283	3,657	2,696	1,288,725	476	474,340	245,619	2,011,856
1999	277	2,114	3,051	1,375,399	2	30,539	245,306	1,654,297
2000	278	3,001	2,849	1,251,228	304	360,029	239,357	1,853,767
2001	128	270	345	150,632	2	39,251	48,350	238,580
2002	181	1,301	2,443	591,106	4	76,251	378,817	1,048,621
2003	177	1,170	1,323	453,147	153	217,900	282,438	954,961
2004	190	2,260	4,423	1,348,460	621	359,916	482,310	2,195,730
2005	190	2,344	3,055	1,004,395	1,919	1,654,959	427,830	3,092,158
2006	188	2,412	4,497	932,291	2,629	1,332,319	299,827	2,571,563
2007	185	2,650	4,636	1,589,840	1,633	267,528	297,539	2,161,176
2008	196	2,591	2,957	1,713,575	178	1,971,268	410,932	4,098,910
2009	216	2,852	3,836	1,167,918	203	2,248,555	696,775	4,117,287
2010	224	2,162	3,118	818,865	27	332,435	271,700	1,426,145
2011	211	2,279	3,464	1,359,441	124	723,135	423,335	2,509,499
2012	227	3,111	6,397	1,542,043	12	261,786	395,060	2,205,298
2013	219	2,567	2,237	1,562,849	299	304,022	399,058	2,268,465

-continued-

Table 2.–Page 2 of 2.

Year	Permits	Landings	Number of salmon[a]					
			Chinook	Sockeye	Coho	Pink	Chum	Total
2014	228	2,588	2,290	659,213	2,478	180,260	390,139	1,234,380
2015	227	2,636	44,389	1,115,504	20,193	573,104	178,715	1,931,905
2016	223	2,493	6,113	1,292,860	1,716	2,510,048	270,614	4,081,351
2017	226	2,326	4,955	1,956,065	43	1,714,307	640,891	4,316,261
2018	236	1,890	4,158	822,173	51	345,255	537,466	1,709,103
2019	236	1,996	10,049	630,888	3,681	9,021,357	549,072	10,215,047
2020	225	1,555	2,594	339,293	262	1,754,284	490,128	2,586,561
2021	229	1,898	3,188	3,541,620	86	4,038,219	1,168,601	8,751,714
2022	235	2,403	3,204	3,905,017	169	1,201,771	544,097	5,654,258
2023	212	1,334	1,824	857,150	272	221,605	205,522	1,286,373
2024	180	1,075	1,257	1,069,829	136	276,379	450,839	1,798,440
2025	159	783	1,371	432,202	243	128,954	156,136	718,906
2006–2025 Average	214	2,180	5,827	1,365,432	1,722	1,470,330	438,822	3,282,132
2016–2025 Average	216	1,775	3,871	1,484,710	666	2,121,218	501,337	4,111,801

[a] Does not include test fishery harvest or personal use

Table 3.–Summary of recent 10-year harvest averages for the June and post-June (July and August) fisheries for the South Alaska Peninsula, divided into Unimak and Southwestern Districts and Southeastern and South Central Districts, experimental design to be used to estimate the stock composition of South Peninsula chum salmon harvests, 2022–2026.

Fishery (Districts)	June		July		August		
	Seine	Gillnet	Seine	Gillnet	Seine	Gillnet	Total
Unimak and Southwestern	207,030	49,191	210,015	11,952	79,573	13,762	571,523
Southeastern and South Central	235,075	10,283	193,224	30,645	121,271	14,480	604,997

	Design (# Temporal Strata x Sample Size)[d]						
Fishery (Districts)	June		July		August		
	Seine	Gillnet	Seine	Gillnet	Seine	Gillnet	Total
Unimak and Southwestern	4 x 380	4 x 380 [b]	3 x 380	3 x 380 [b]	2 x 380	1 x 380 [b]	6,460
Southeastern and South Central	4 x 380	1 x 380 [c]	3 x 380	3 x 380 [c]	2 x 380	1 x 380 [c]	5,320

[a] Average harvest over 10 years (2016 to 2025) if the area received effort and harvest by the gear type during that respective timeframe.

[b] Unimak and Southwestern Districts harvest is from drift gillnet gear type.

[c] Southeastern and South Central District harvest is from set gillnet gear type.

[d] Sample size was reduced for analysis of 2025 samples to 190/stratum.

Table 4.–Hierarchical design of stratified estimates of stock-specific harvests (and % of total harvest) from South Alaska Peninsula to individual spatiotemporal strata including the Unimak and Southwestern Districts (Unimak/SW) and Southeastern and South Central Districts (SE/SC) in 2025.

Overall	June/Post-June	Post-June Months	Areas	Area/Gear	Spatiotemporal Strata	Harvest
South Alaska Peninsula (100%)	June (13%)		Unimak/SW (8%)	Unimak/SW Seine (4%)	June Seine 1	15,878
					June Seine 2	20,660
					June Seine 3	12,622
					June Seine 4	3,148
				Unimak/SW Gillnet (3%)	June Gillnet 1	9,017
					June Gillnet 2	24,272
					June Gillnet 3	2,933
			SE/SC (6%)	SE/SC Seine (6%)	June Seine 1	5,117
					June Seine 2	8,270
					June Seine 3	31,321
					June Seine 4	21,732
				SE/SC Gillnet (0%)	June Gillnet	1,166
	Post-June (87%)	July (59%)	Unimak/SW (32%)	Unimak/SW Seine (29%)	July Seine 1	110,133
					July Seine 2	184,765
					July Seine 3	49,136
				Unimak/SW Gillnet (2%)	July Gillnet 1	14,604
					July Gillnet 2	8,156
					July Gillnet 3	4,404
			SE/SC (28%)	SE/SC Seine (26%)	July Seine 1	115,420
					July Seine 2	141,334
					July Seine 3	43,924
				SE/SC Gillnet (2%)	July Gillnet 1	5,499
					July Gillnet 2	8,303
					July Gillnet 3	8,643
		August (27%)	Unimak/SW (11%)	Unimak/SW Seine (10%)	August Seine	115,514
				Unimak/SW Gillnet (1%)	August Gillnet	13,099
			SE/SC (16%)	SE/SC Seine (15%)	August Seine 1	82,828
					August Seine 2	94,309
				SE/SC Gillnet (1%)	August Gillnet	13,139

Table 5.–Commercial harvest, numbers of samples collected and selected for genetic analysis, and the ratio of harvests to number of samples selected for analysis (Harvest: Selected) by year and fishery in the South Alaska Peninsula fishery in 2025.

		Number of samples		
Fishery	Harvest	Collected	Selected	Harvest: Selected
June	156,136	4,867	2,280	68
Post-June	1,013,210	5,938	3,030	334
Total	1,169,346	10,805	5,310	220

Table 6.–Summary of experimental design used to analyze stock composition of chum salmon harvested in commercial fisheries in the South Alaska Peninsula Management area in 2025 by sampling area, gear type, and temporal stratum including number of fish harvested, genotyped, and included in final analyses.

Sampling area	Gear	Temporal stratum	Dates	Harvest	Genotyped	Final
Southeastern and South Central Districts	Seine	June 1	6/11–12	5,117	190	190
Southeastern and South Central Districts	Seine	June 2	6/16–18	8,270	190	190
Southeastern and South Central Districts	Seine	June 3	6/20–23	31,321	190	187
Southeastern and South Central Districts	Seine	June 4	6/25–28	21,732	190	187
Southeastern and South Central Districts	Gillnet	June	6/6–28	1,166	190	185
Unimak and Southwestern Districts	Seine	June 1	6/11–13	15,878	190	189
Unimak and Southwestern Districts	Seine	June 2	6/16–18	20,660	190	189
Unimak and Southwestern Districts	Seine	June 3	6/20–23	12,622	190	189
Unimak and Southwestern Districts	Seine	June 4	6/25–27	3,148	190	188
Unimak and Southwestern Districts	Gillnet	June 1	6/11–13	9,017	190	189
Unimak and Southwestern Districts	Gillnet	June 2	6/15–18	24,272	190	190
Unimak and Southwestern Districts	Gillnet	June 3	6/20–23	2,933	190	189
Southeastern and South Central Districts	Seine	July 1	7/6–19	115,420	190	184
Southeastern and South Central Districts	Seine	July 2	7/22–27	141,334	190	189
Southeastern and South Central Districts	Seine	July 3	7/30–31	43,924	190	188
Southeastern and South Central Districts	Gillnet	July 1	7/2–15	9,657	190	189
Southeastern and South Central Districts	Gillnet	July 2	7/18–23	4,145	160	159
Southeastern and South Central Districts	Gillnet	July 3	7/26–31	8,643	160	159
Unimak and Southwestern Districts	Seine	July 1	7/6–11	110,133	190	190
Unimak and Southwestern Districts	Seine	July 2	7/14–15	184,765	190	190
Unimak and Southwestern Districts	Seine	July 3	7/18–30	49,136	190	189

-continued-

Table 6.–Page 2 of 2.

Sampling area	Gear	Temporal stratum	Dates	Harvest	Genotyped	Final
Unimak and Southwestern Districts	Gillnet	July 1	7/6–19	14,604	190	187
Unimak and Southwestern Districts	Gillnet	July 2	7/22–23	8,156	190	190
Unimak and Southwestern Districts	Gillnet	July 3	7/26–31	4,404	190	188
Southeastern and South Central Districts	Seine	August 1	8/3–8	82,828	190	190
Southeastern and South Central Districts	Seine	August 2	8/9–9/7	94,309	190	189
Southeastern and South Central Districts	Gillnet	August	8/3–9/7	13,139	190	190
Unimak and Southwestern Districts	Seine	August	8/3–9/8	115,514	160	160
Unimak and Southwestern Districts	Gillnet	August	8/3–27	13,099	80	79
Total				1,169,346	5,310	5,272

Table 7.–South Alaska Peninsula Area, 2025. Estimates of age composition and mean length (mid-eye to tail fork mm), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	436	4.3	4.0	4.6	0.2	436	468.8	465.9	471.7	36.8
0.3	7,879	77.7	77.0	78.4	0.4	7,879	550.1	549.5	550.7	34.8
0.4	1,755	17.3	16.7	17.9	0.4	1,755	582.3	580.9	583.8	36.1
0.5	69	0.7	0.5	0.8	0.1	69	578.2	570.6	585.7	38.0
0.6	3	0.0	0.0	0.1	0.0	3	575.7	559.7	591.7	16.9
Unknown						750	549.3	546.7	551.9	43.1
Total	10,142					10,892	552.2	551.5	552.8	41.3

Table 8.–Results of laboratory quality control analyses among collections including the numbers of fish genotyped in the original and quality control projects, the numbers of homozygote-homozygote (homo-homo), homozygote-heterozygote (homo-het) and total conflicts, and overall concordance and error rates.

Number of fish in:			Conflicts			Rate	
Project	QC	Genotypes compared	Homo-Homo	Homo-het	Total	Concordance	Error
5,310	444	37,296	0	79	79	99.8%	0.2%

Table 9.–South Alaska Peninsula area, June 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 156,096; 12 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	22.4	20.6	24.1	22.4	1.1	34,885	31,886	37,979	34,893	1,855
Russia	8.7	7.4	10.0	8.7	0.8	13,510	11,491	15,682	13,543	1,255
Kotzebue Sound	1.1	0.3	2.4	1.2	0.6	1,684	516	3,726	1,838	1,000
Coastal Western Alaska	31.6	29.5	33.7	31.6	1.3	49,293	45,732	52,826	49,356	2,189
Upper Yukon River	0.6	0.3	1.2	0.7	0.3	1,005	423	1,857	1,063	434
Northern Alaska Peninsula – east	2.5	1.7	3.7	2.6	0.6	3,905	2,677	5,770	4,021	939
Northern Alaska Peninsula – west	2.3	1.6	3.3	2.4	0.5	3,640	2,491	5,085	3,702	795
S. Alaska Pen./W. Kodiak I.	7.2	5.0	9.4	7.2	1.3	11,266	7,724	14,728	11,267	2,111
Kodiak	2.4	0.8	4.8	2.6	1.2	3,821	1,310	7,532	4,044	1,912
Cook Inlet	0.0	0.0	0.2	0.0	0.1	50	11	237	76	79
Prince William Sound	2.5	1.9	3.2	2.5	0.4	3,876	3,007	4,934	3,906	591
Southeast Alaska	1.7	1.1	2.4	1.7	0.4	2,667	1,704	3,845	2,706	655
BC/WA	16.4	14.8	18.2	16.5	1.0	25,712	23,003	28,396	25,680	1,651
Total									156,096	

Note: Harvest is the number of chum salmon reported to have been harvested in the June fisheries of the South Alaska Peninsula. Harvest total may differ from totals in experimental design table due to rounding error.

Table 10.–South Alaska Peninsula Area, post-June 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 1,013,178; 17 Strata				
		90% CI					90% CI			
Reporting Group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	8.4	7.2	9.7	8.4	0.7	85,104	72,635	98,079	85,289	7,792
Russia	4.7	3.7	5.8	4.7	0.6	47,236	37,264	59,087	47,742	6,680
Kotzebue Sound	0.5	0.2	0.9	0.5	0.2	5,220	2,489	9,036	5,404	2,034
Coastal Western Alaska	2.2	1.5	3.1	2.3	0.5	22,481	15,396	31,709	22,876	5,005
Upper Yukon River	0.8	0.3	1.3	0.8	0.3	8,208	3,267	13,265	8,256	3,056
Northern Alaska Peninsula – east	1.2	0.6	2.3	1.3	0.5	12,447	6,367	22,996	13,284	5,061
Northern Alaska Peninsula – west	1.9	0.9	3.0	1.9	0.6	18,972	9,397	30,876	19,300	6,566
S. Alaska Pen./W. Kodiak I.	44.6	40.7	49.1	44.7	2.5	451,684	411,180	498,103	452,858	26,444
Kodiak	22.2	17.8	26.0	22.0	2.5	224,499	180,066	264,171	223,067	25,620
Cook Inlet	1.9	1.5	2.5	2.0	0.3	19,574	14,830	25,822	19,818	3,397
Prince William Sound	0.5	0.2	1.0	0.5	0.2	5,117	2,282	10,266	5,560	2,490
Southeast Alaska	2.2	1.5	3.1	2.2	0.5	22,464	14,815	31,554	22,656	4,997
BC/WA	8.6	7.4	9.9	8.6	0.8	86,787	74,487	100,445	87,068	7,851
Total									1,013,178	

Table 11.–South Alaska Peninsula Area, 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 1,169,637; 29 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	10.3	9.2	11.4	10.3	0.7	119,878	107,343	133,229	120,102	7,957
Russia	5.2	4.3	6.2	5.2	0.6	60,785	50,383	73,012	61,228	6,762
Kotzebue Sound	0.6	0.3	1.0	0.6	0.2	7,039	3,878	11,326	7,246	2,270
Coastal Western Alaska	6.1	5.5	7.0	6.2	0.5	71,945	64,036	81,593	72,221	5,362
Upper Yukon River	0.8	0.4	1.2	0.8	0.3	9,217	4,211	14,447	9,317	3,109
Northern Alaska Peninsula – east	1.4	0.9	2.3	1.5	0.4	16,524	10,226	27,259	17,329	5,195
Northern Alaska Peninsula – west	1.9	1.1	3.0	2.0	0.6	22,767	12,805	34,715	23,014	6,648
S. Alaska Pen./ W. Kodiak I.	39.6	36.2	43.6	39.7	2.2	463,215	423,313	511,295	464,444	27,152
Kodiak	19.6	15.7	22.8	19.4	2.2	229,699	184,211	267,566	227,328	25,768
Cook Inlet	1.7	1.3	2.2	1.7	0.3	19,659	14,807	25,899	19,905	3,412
Prince William Sound	0.8	0.5	1.2	0.8	0.2	9,056	5,990	14,214	9,473	2,565
Southeast Alaska	2.1	1.5	2.9	2.2	0.4	25,169	17,587	34,185	25,370	5,021
BC/WA	9.6	8.6	10.8	9.6	0.7	112,568	99,955	126,247	112,661	7,957
Total									1,169,637	

Note: Harvest is the number of chum salmon reported to have been harvested in the fisheries of the South Alaska Peninsula. Harvest total may differ from totals in experimental design table due to rounding error.

Table 12.–Harvests of Asia and Coastal Western Alaska (CWAK) chum salmon in the June, post-June, and South Alaska Peninsula fisheries in 2022, 2023, and 2024. Mean harvest estimate, associated percentage of total chum harvested for each stock, and the ratio of Asia to CWAK harvests (Asia: CWAK) are reported. Annual totals from the WASSIP years are also provided.

		Asia		CWAK		
Year	Fishery	Harvest	% of Harvest	Harvest	% of Harvest	Asia: CWAK
2022	June	315,404	91%	95,462	93%	3.30
2022	Post-June	30,720	9%	7,190	7%	4.27
2023	June	81,706	44%	58,902	72%	1.39
2023	Post-June	105,946	56%	23,270	28%	4.55
2024	June	211,683	89%	119,869	97%	1.77
2024	Post-June	25,748	11%	3,473	3%	7.41
2025	June	48,437	27%	49,356	68%	0.98
2025	Post-June	132,854	73%	22,876	32%	5.81
2007	All	101,357	100%	189,975	100%	0.53
2008	All	157,791	100%	222,251	100%	0.71
2009	All	196,142	100%	440,403	100%	0.45
2022	All	346,256	100%	102,685	100%	3.37
2023	All	187,517	100%	82,153	100%	2.28
2024	All	237,574	100%	123,459	100%	1.92
2025	All	181,291	100%	72,221	100%	2.51

Note: Total harvests of Asia and CWAK in South Alaska Peninsula fisheries in 2007–2009 are taken from tables 152–154 and 158–160 of Munro et al. 2012 (http://www.adfg.alaska.gov/FedAidpdfs/sp12-25.pdf), whereas values from 2022–2024 are from Table 25 of Dann et al. 2025 (https://www.adfg.alaska.gov/static/regulations/regprocess/fisheriesboard/pdfs/2025-2026/akpen/FDS25-63.pdf).

Table 13.–Summary of mean estimates of reporting group contributions to the June and post-June fisheries of the South Alaska Peninsula area in 2007–2009 and 2022. The average contribution for 2007–2009 is provided to compare with 2022–2024.

June									
Group	2007	2008	2009	Average 2007–09	2022	2023	2024	2025	Average 2022–25
Asia	20%	29%	26%	25%	58%	40%	47%	31%	44%
Kotzebue Sound	0%	1%	0%	1%	4%	1%	0%	1%	2%
Coastal Western Alaska	60%	52%	60%	57%	18%	29%	27%	32%	26%
Upper Yukon River	1%	2%	0%	1%	0%	0%	0%	1%	0%
Northern Alaska Peninsula – east	0%	1%	1%	1%	1%	1%	2%	3%	2%
Northern Alaska Peninsula – west	1%	3%	4%	3%	2%	1%	3%	2%	2%
East of Kodiak	14%	7%	5%	8%	13%	20%	18%	21%	18%
Post-June									
Group	2007	2008	2009	Average 2007–09	2022	2023	2024	2025	Average 2022–25
Asia	12%	14%	2%	9%	11%	12%	21%	13%	14%
Kotzebue Sound	0%	0%	0%	0%	1%	0%	0%	1%	0%
Coastal Western Alaska	4%	3%	2%	3%	3%	3%	3%	2%	3%
Upper Yukon River	0%	0%	0%	0%	0%	0%	0%	1%	0%
Northern Alaska Peninsula – east	1%	1%	1%	1%	1%	1%	2%	1%	1%
Northern Alaska Peninsula – west	2%	3%	1%	2%	2%	2%	3%	2%	2%
East of Kodiak	5%	6%	1%	4%	24%	6%	16%	13%	15%

Note: Estimates from 2007–2009 come from Tables 122–127 of Munro et al. 2012; estimates from 2022–2024 come from Table 29 of Dann et al. 2025. Two reporting groups used in WASSIP are absent due to non-overlapping groups of populations between reporting groups used in the WASSIP and current baselines (South Alaska Peninsula and Chignik/Kodiak).

FIGURES

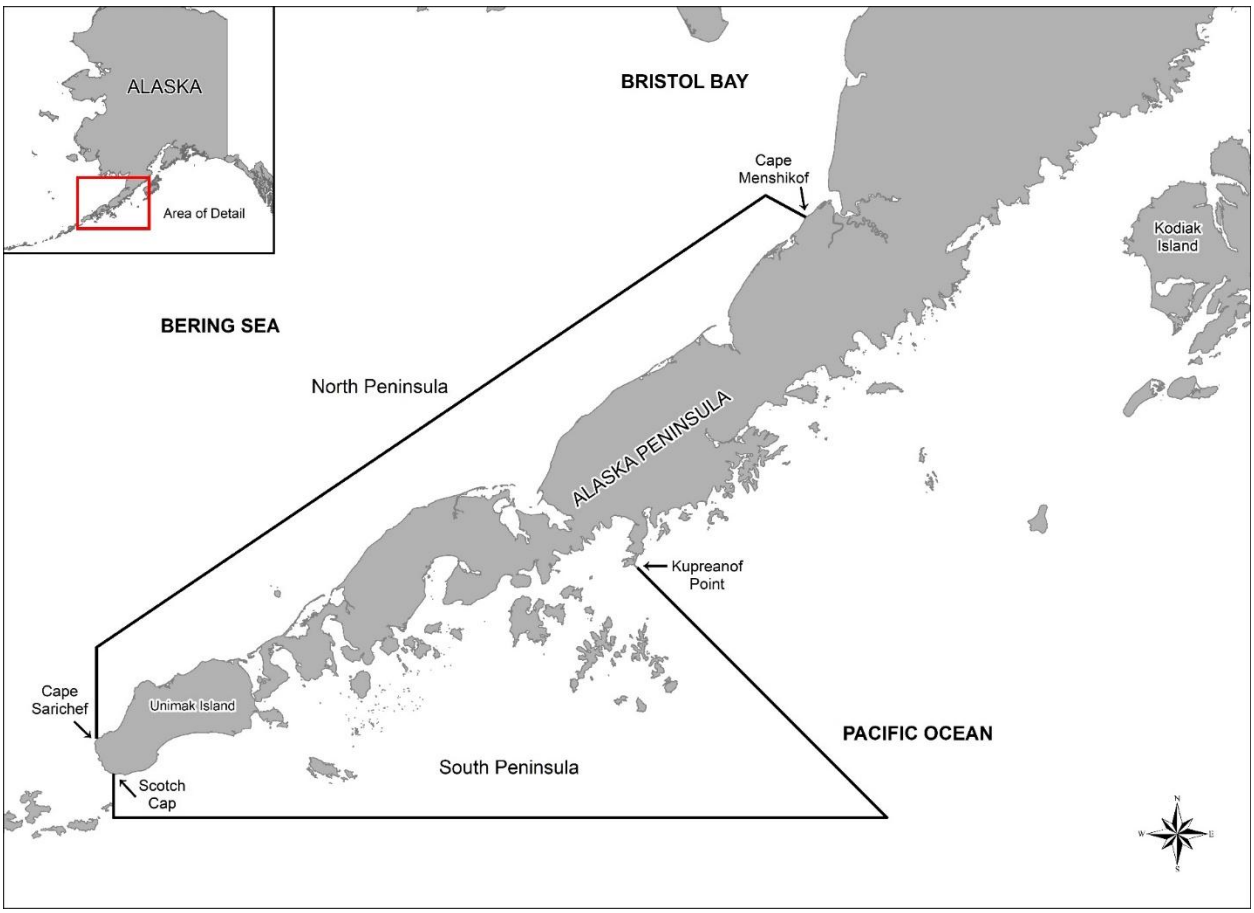


Figure 1.–Map of Alaska Peninsula Management Area with the North and South Peninsula defined.

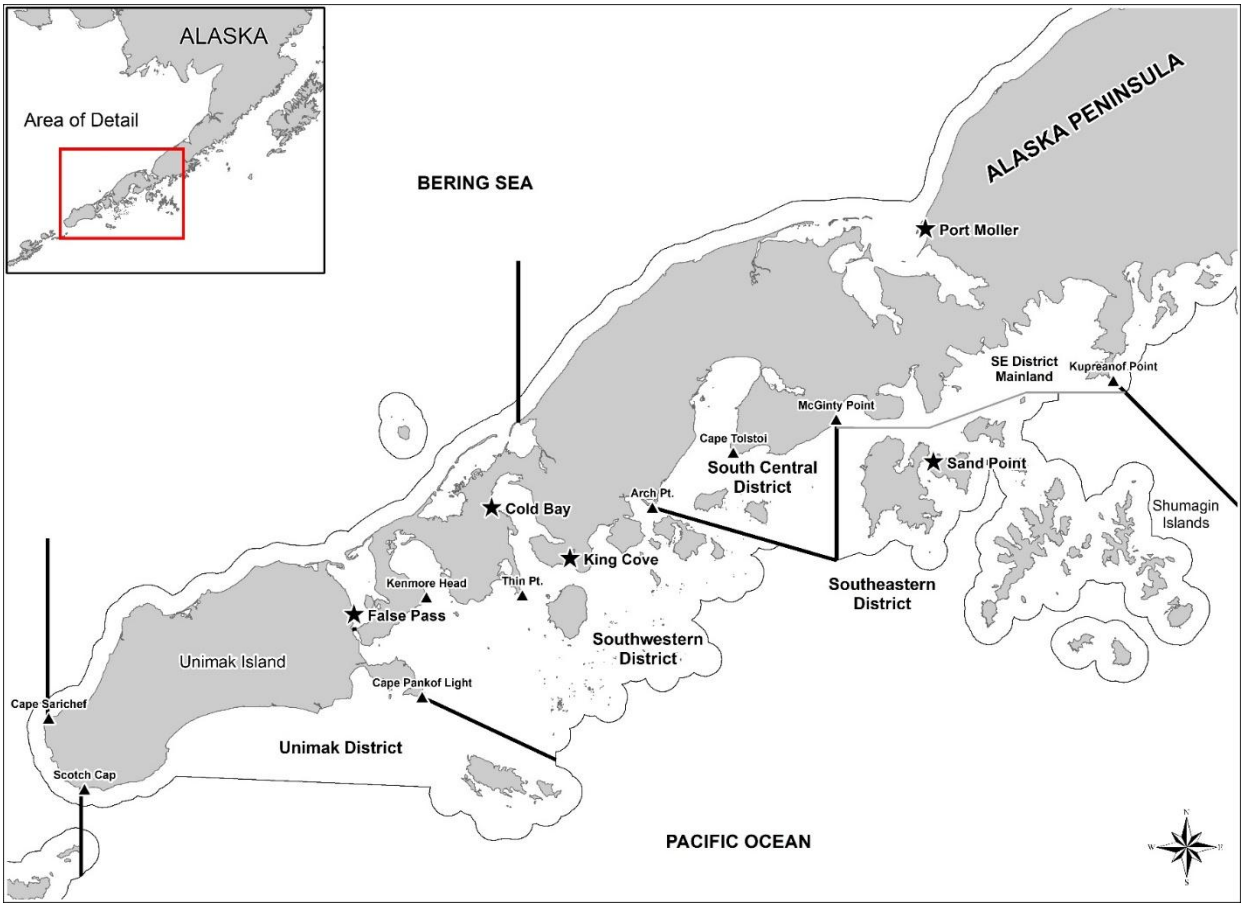


Figure 2.–Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with South Peninsula salmon fishing districts defined.

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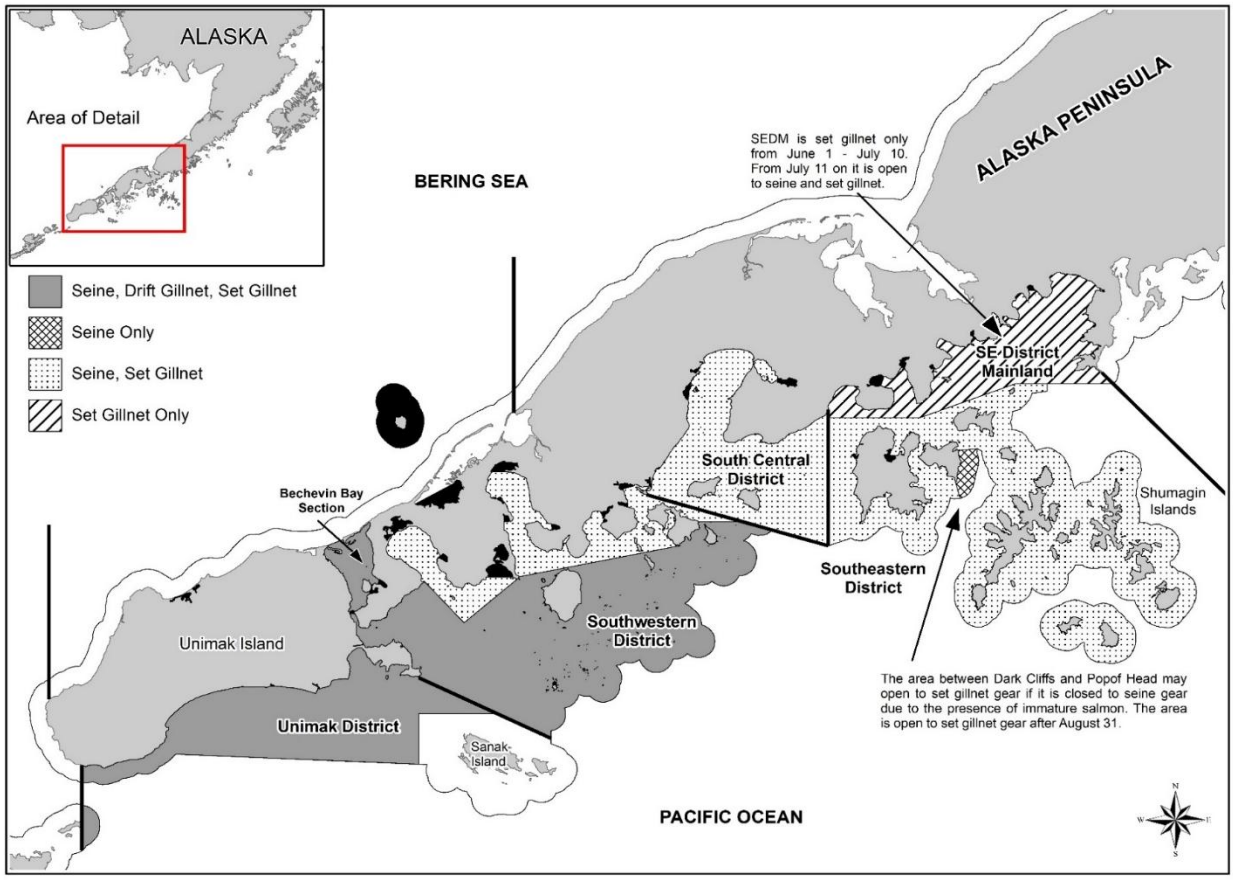


Figure 3.–Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with legal gear types shown during June.

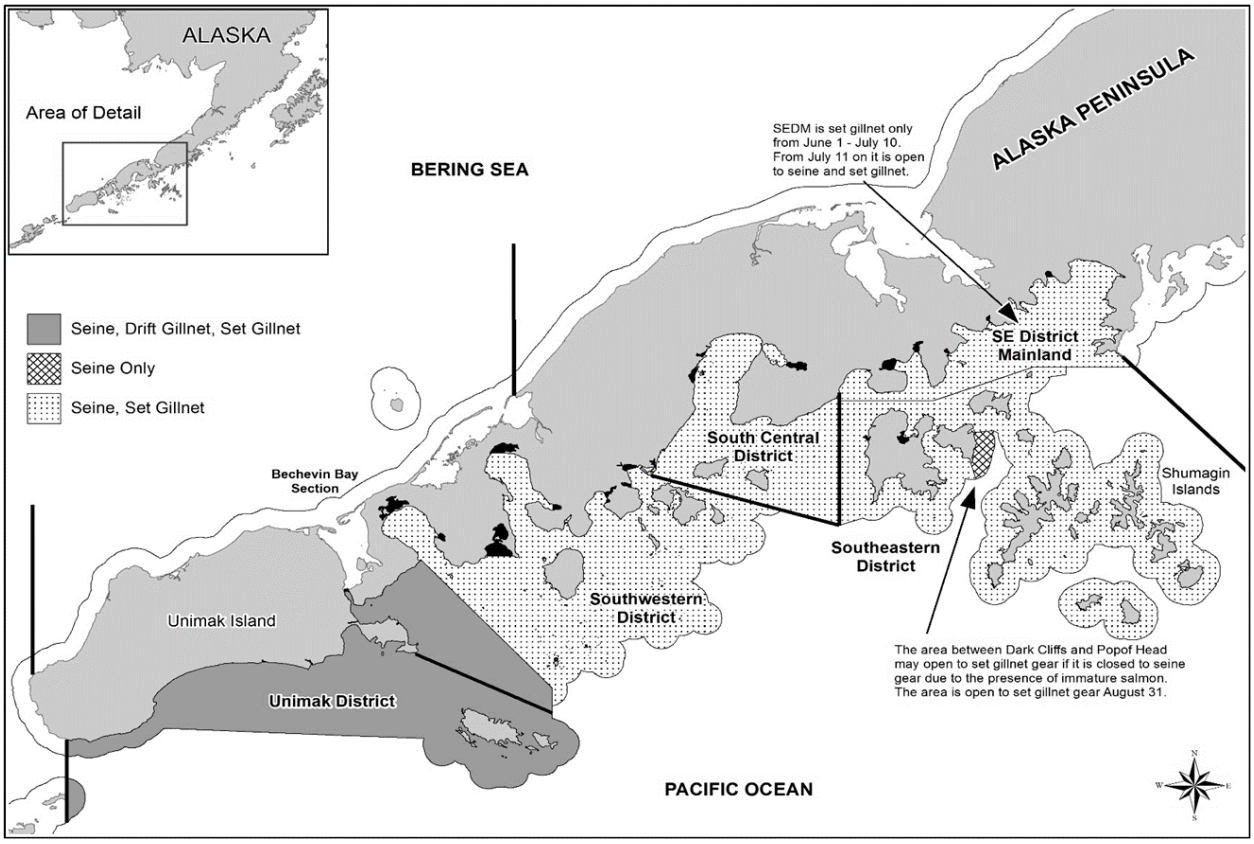


Figure 4.–Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with legal gear types shown, July 1–October 31.

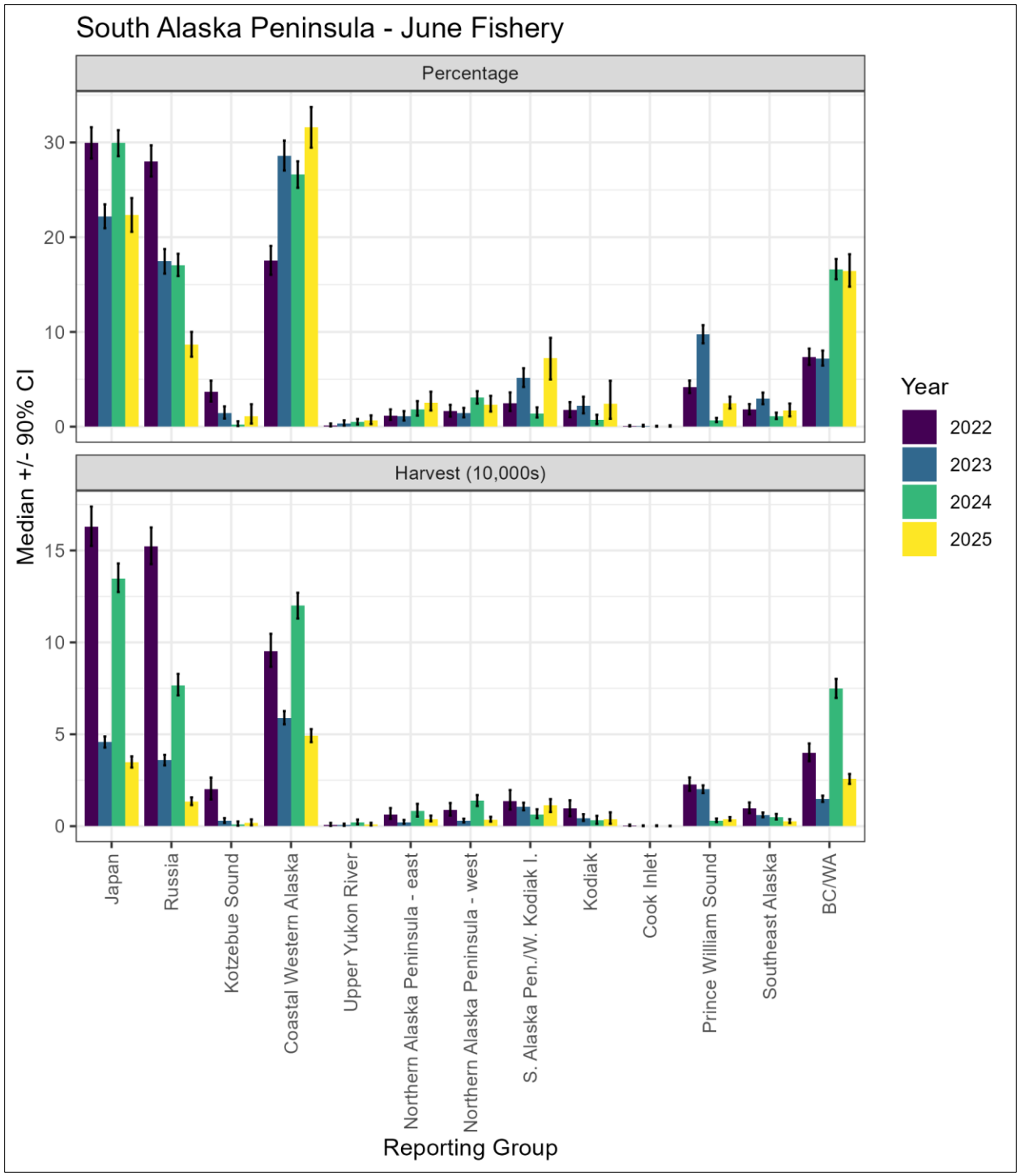


Figure 5.–Stratified estimates of median reporting group stock composition (percentage, top panel) and stock-specific harvest (10,000s of fish, bottom panel) and 90% credibility intervals for chum salmon sampled from the June fishery of the South Alaska Peninsula in 2022–2025.

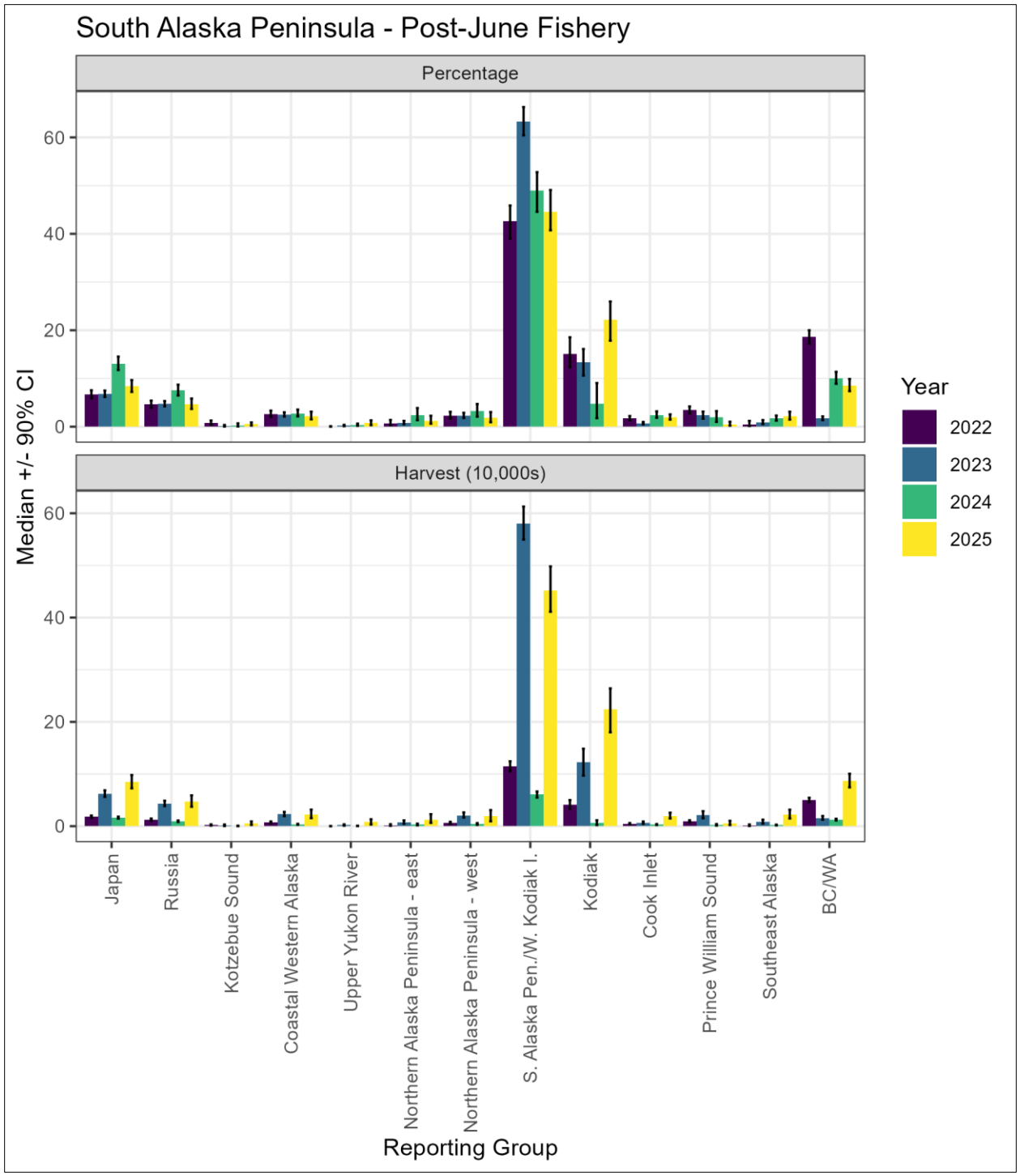


Figure 6.–Stratified estimates of median reporting group stock composition and stock-specific harvests (10,000s of fish) and 90% credibility intervals for chum salmon sampled from the post-June fishery in percentages (top panel) and numbers of fish (bottom panel) in the South Alaska Peninsula fishery in 2022–2025.

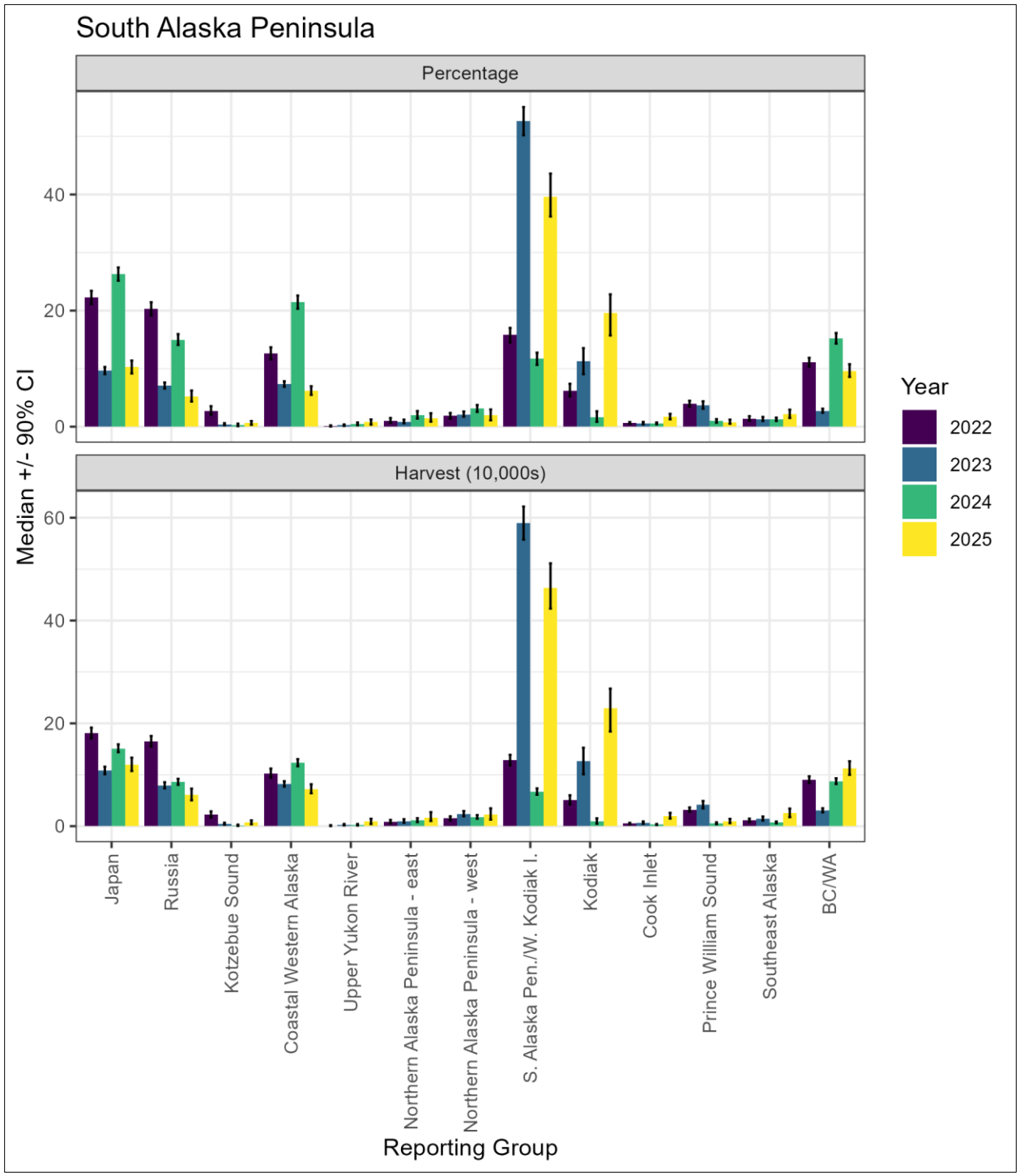


Figure 7.–Stratified estimates of median reporting group stock composition and stock-specific harvests (10,000s of fish) and 90% credibility intervals for chum salmon sampled from the South Alaska Peninsula fishery in percentages (top panel) and numbers of fish (bottom panel) in 2022–2025.

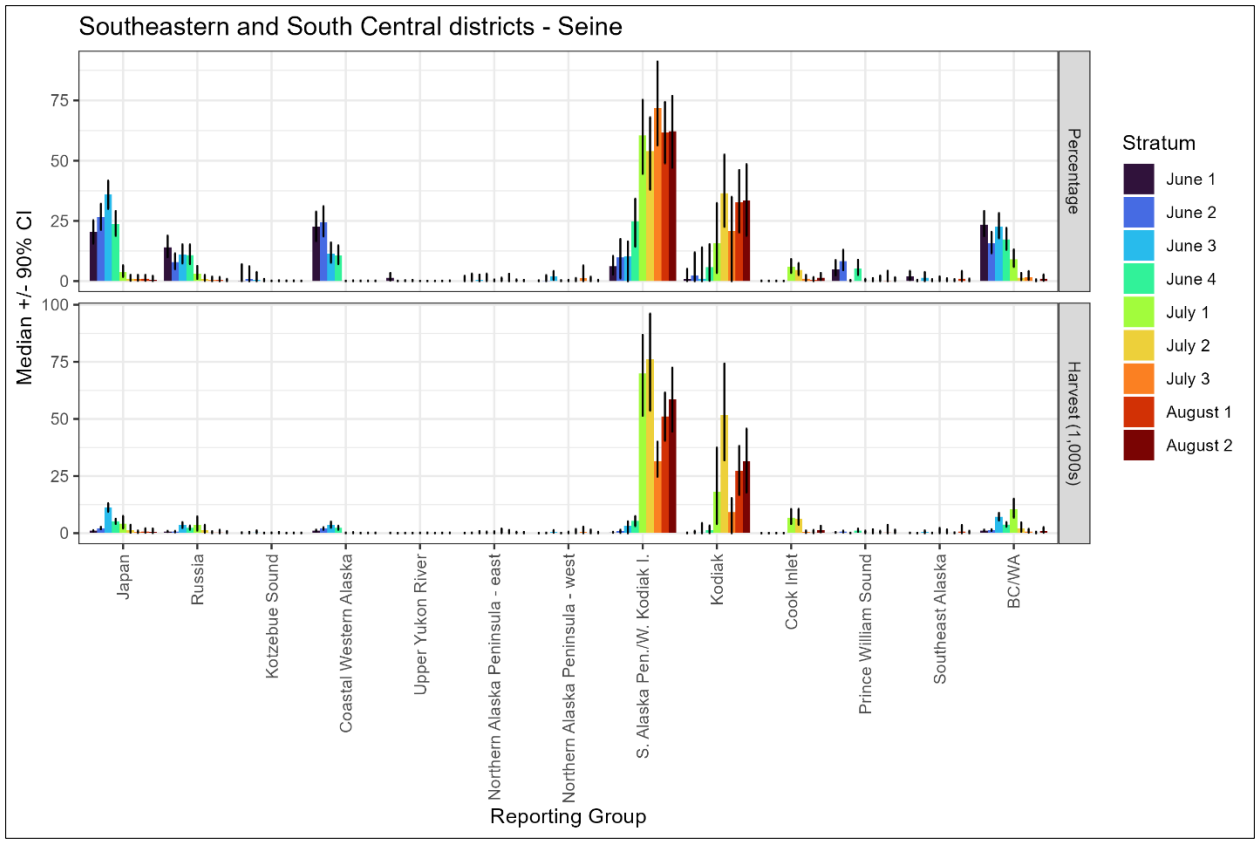


Figure 8.–Median reporting group stock composition (percentage, top panel) and stock-specific harvest (10,000s of fish, bottom panel) and 90% credibility intervals for chum salmon sampled from seine fishery strata in the Southeastern and South Central Districts of the South Alaska Peninsula fishery.

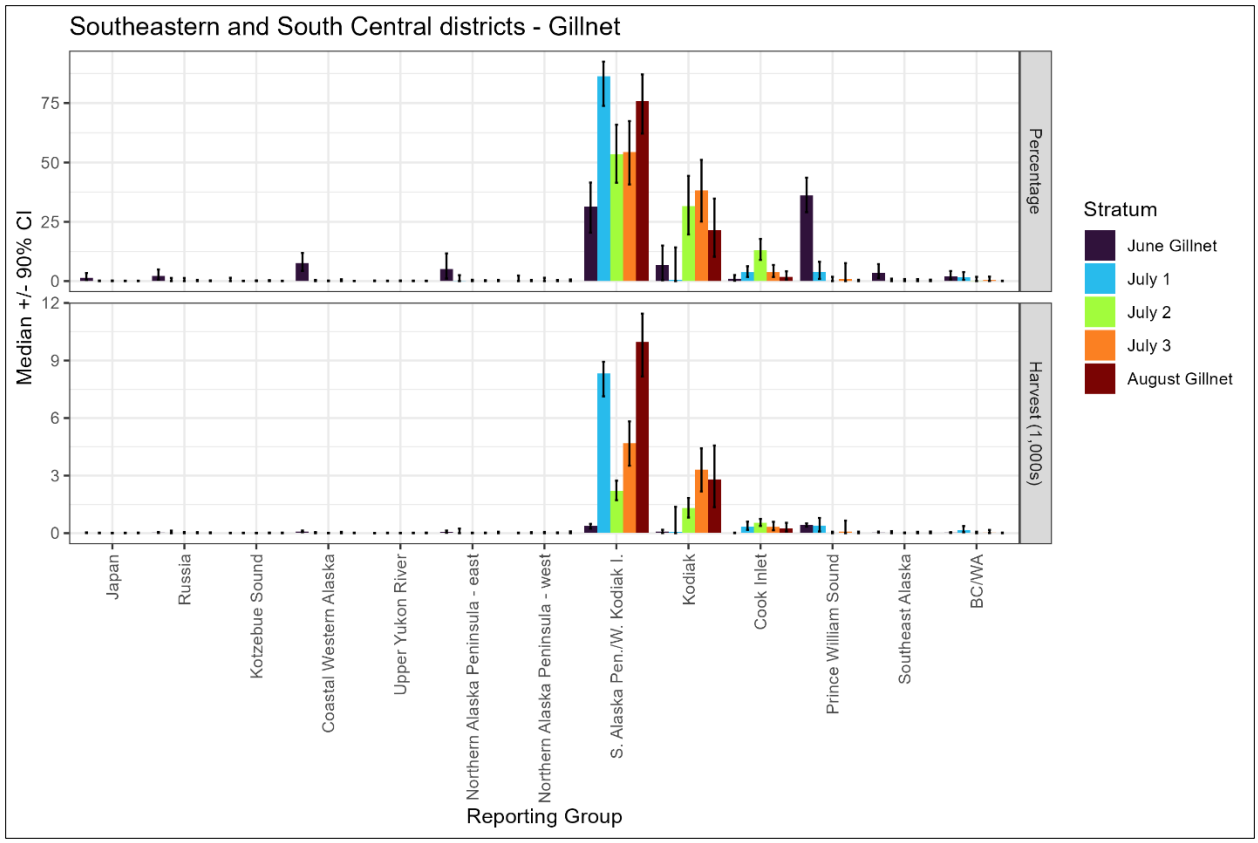


Figure 9.–Median reporting group stock composition (percentage, top panel) and stock-specific harvest (10,000s of fish, bottom panel) and 90% credibility intervals for chum salmon sampled from gillnet fishery strata in the Southeastern and South Central Districts of the South Alaska Peninsula fishery.

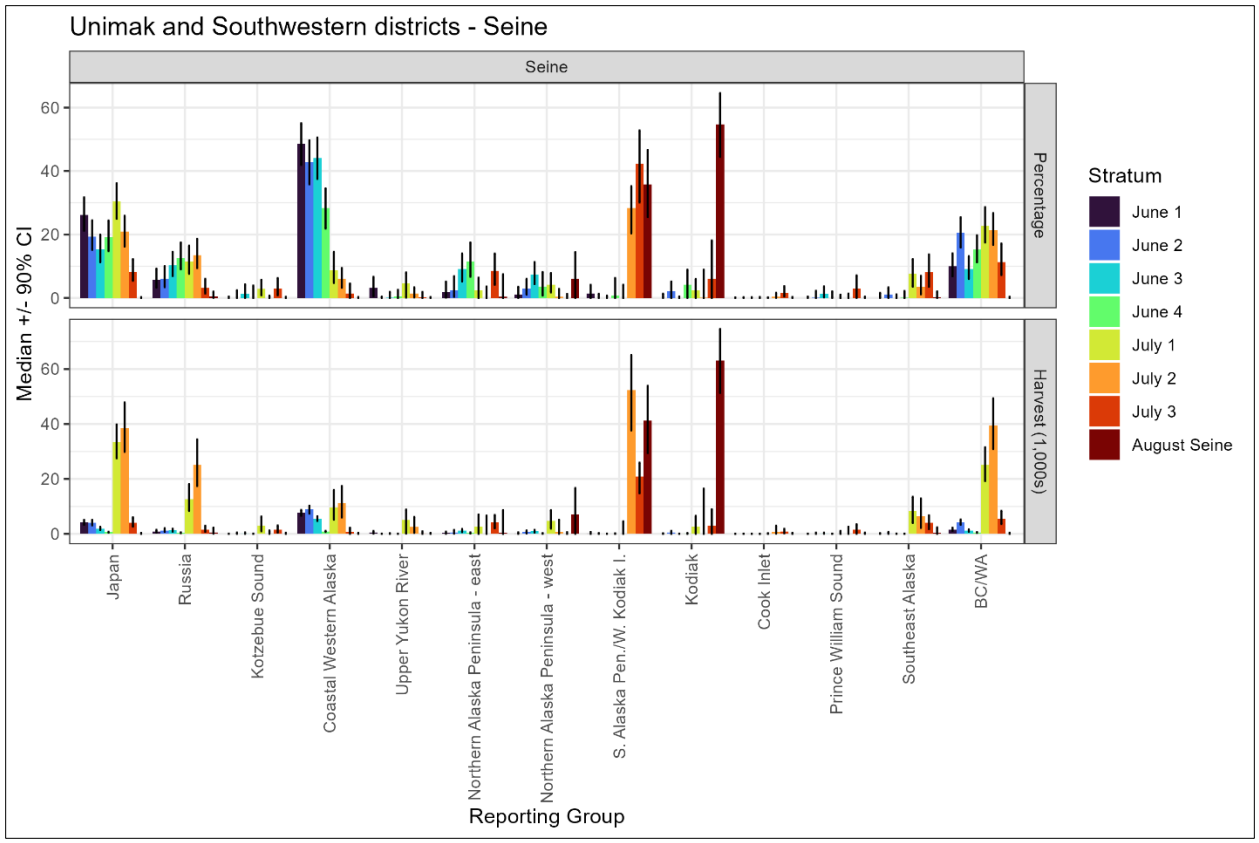


Figure 10.–Median reporting group stock composition (percentage, top panel) and stock-specific harvest (10,000s of fish, bottom panel) and 90% credibility intervals for chum salmon sampled from seine fishery strata in the Unimak and Southwestern Districts of the South Alaska Peninsula fishery.

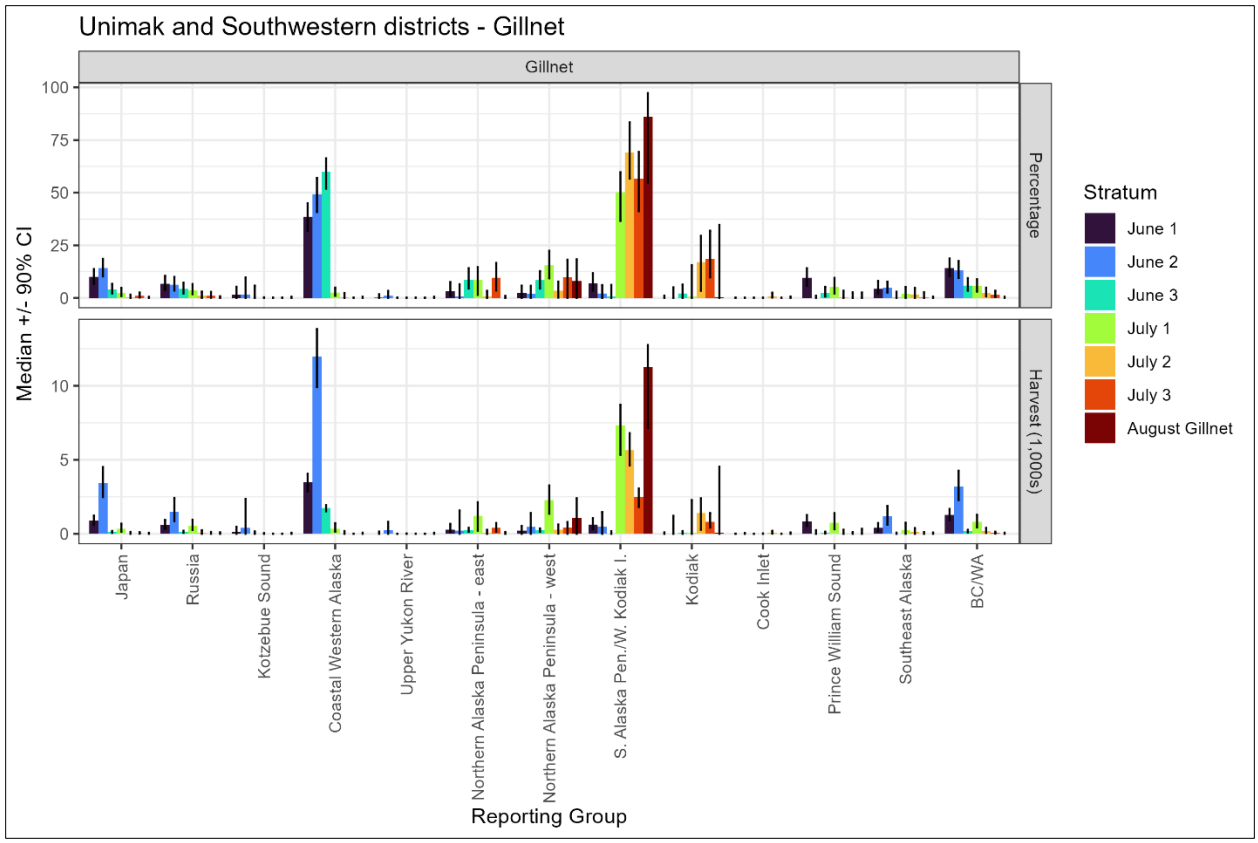


Figure 11.–Median reporting group stock composition (percentage, top panel) and stock-specific harvest (10,000s of fish, bottom panel) and 90% credibility intervals for chum salmon sampled from gillnet fishery strata in the Unimak and Southwestern Districts of the South Alaska Peninsula fishery.

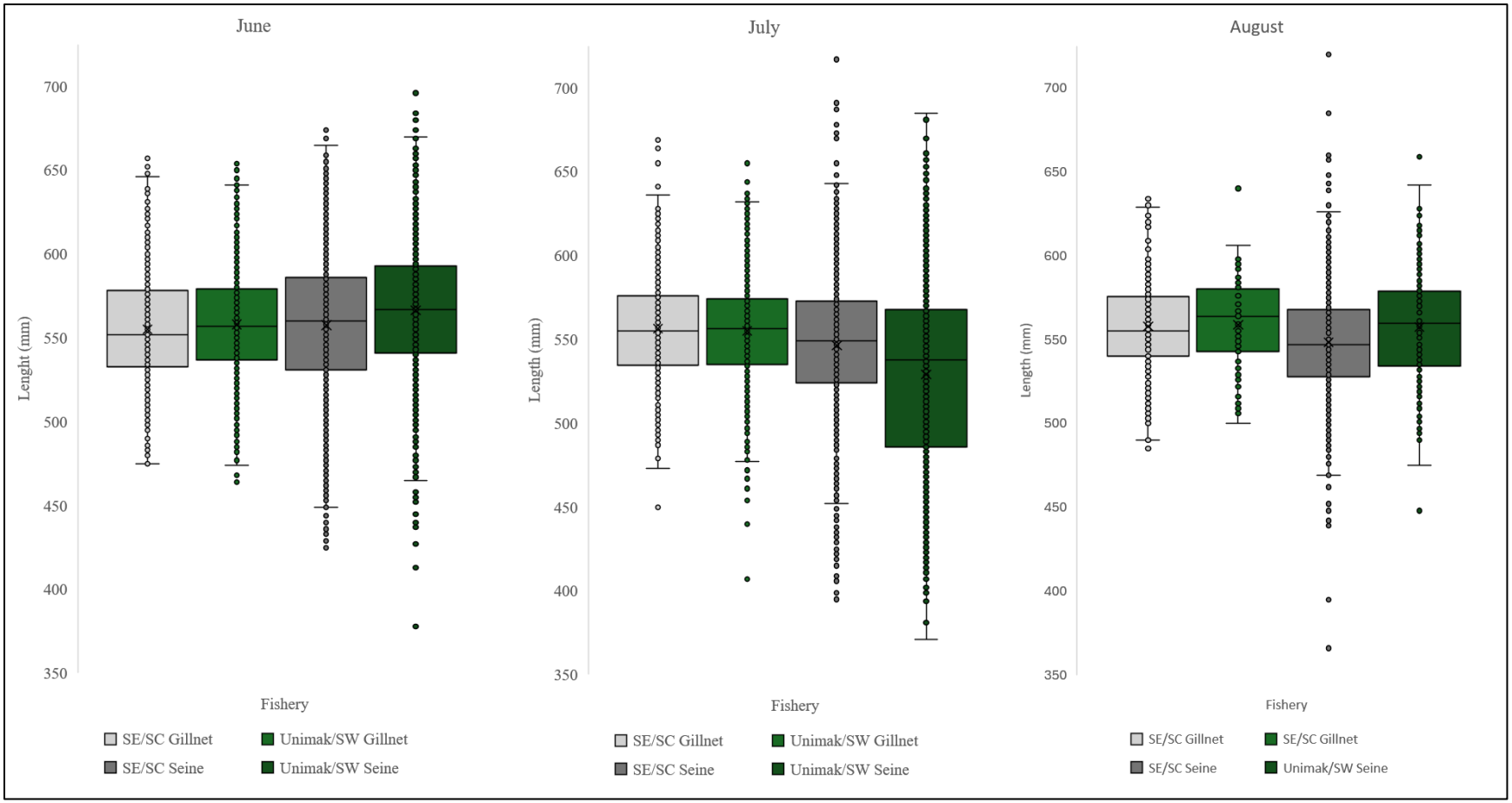


Figure 12.–South Alaska Peninsula Area, all strata (n = 10,892). Box plots showing mean, median, percentiles, and range of size (mm) of chum salmon genetic samples by fishery and gear type, June through August 2025.

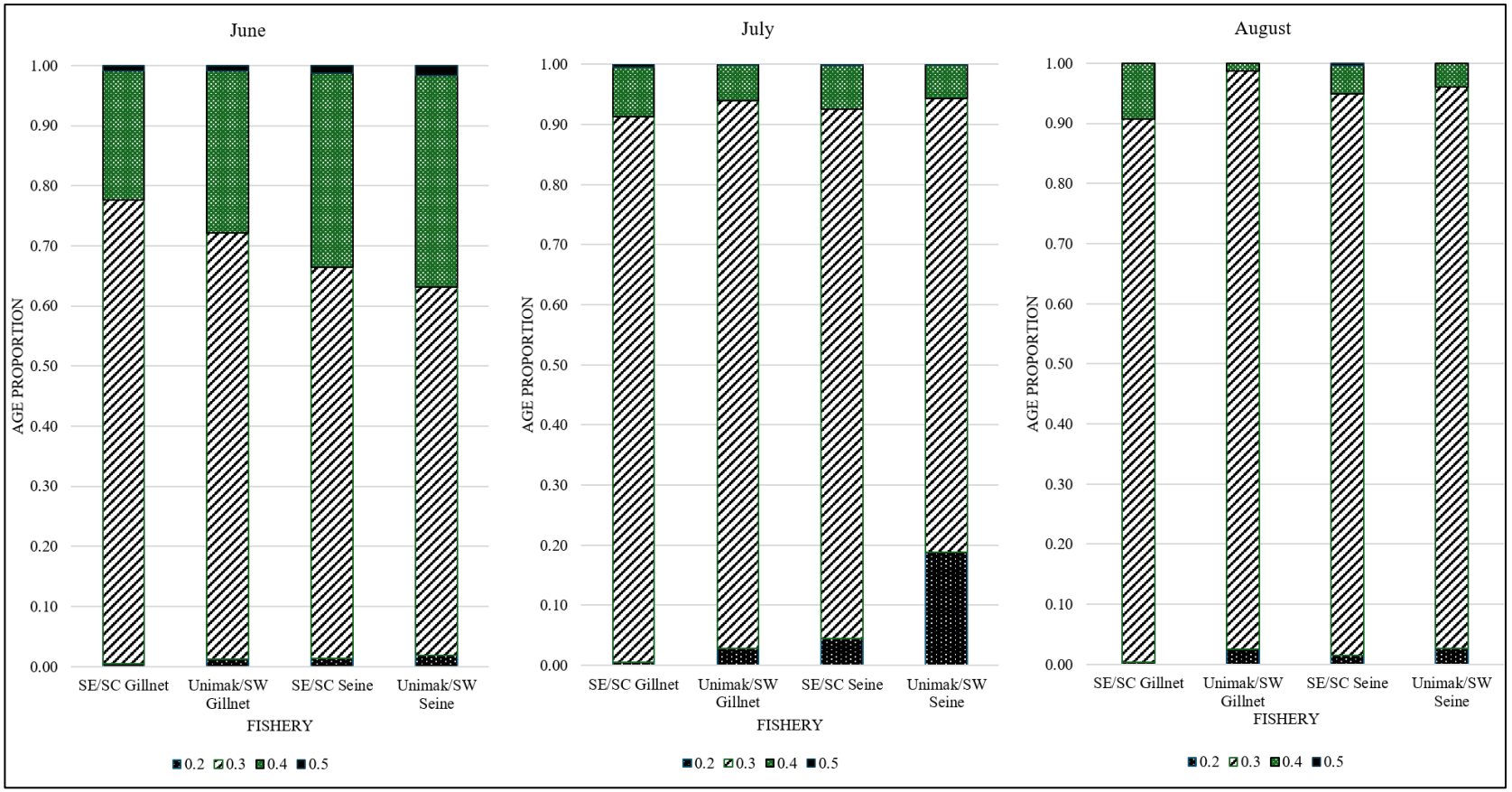


Figure 13.–South Alaska Peninsula Area, all strata (n = 10,142). Bar graphs showing age composition of chum salmon genetic samples by fishery and gear type, June through August 2025.

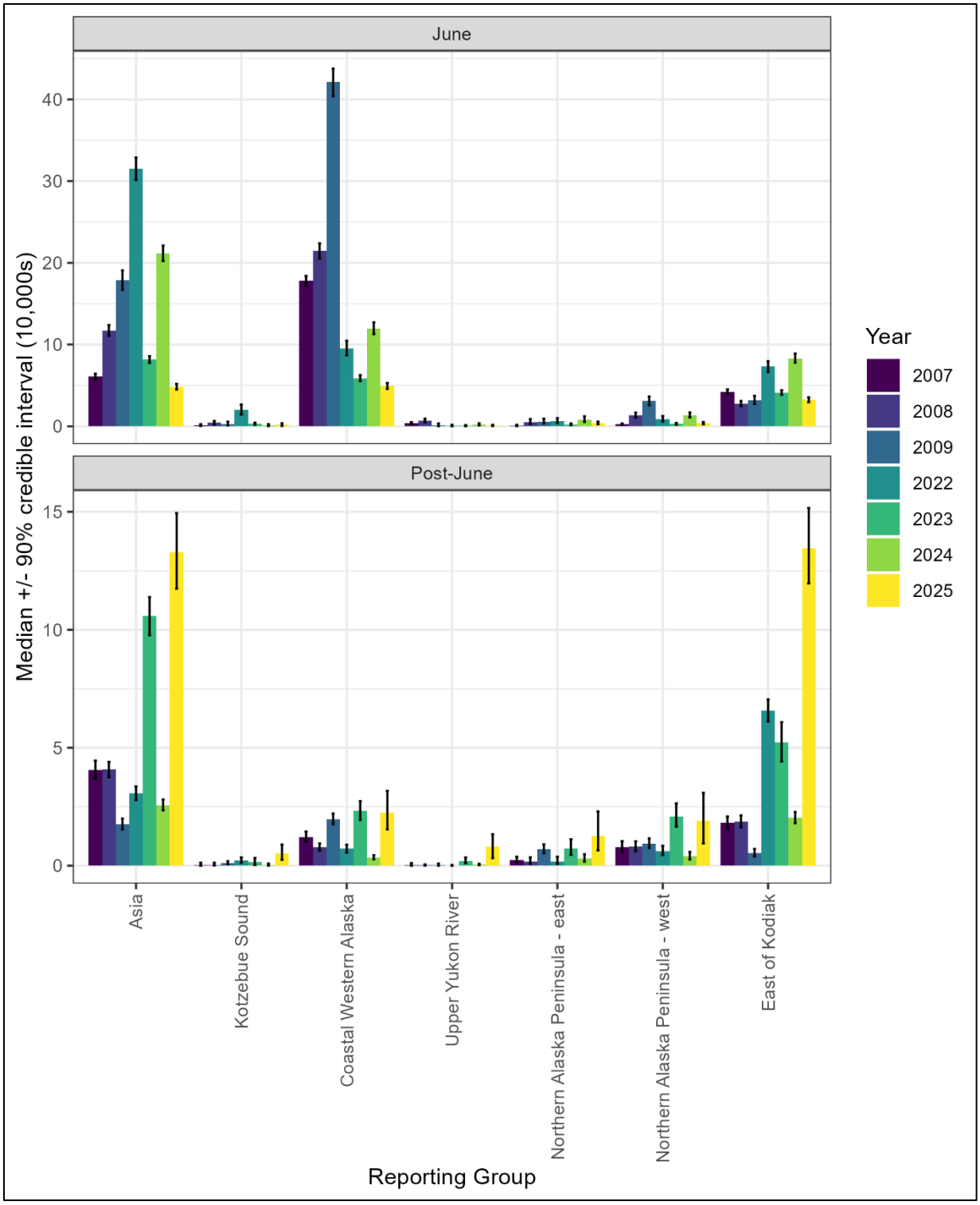


Figure 14.–Stratified estimates of median reporting group stock-specific harvests (10,000s of fish) and 90% credibility intervals for chum salmon sampled from the June (top panel) and post-June (bottom panel) fisheries in the South Alaska Peninsula in 2007–2009 and 2022–2025.

Note: Two reporting groups used in WASSIP are absent due to non-overlapping groups of populations between reporting groups used in the WASSIP and current baselines (South Alaska Peninsula and Chignik/Kodiak).

APPENDIX A: DAILY HARVEST AND NUMBERS OF SAMPLES COLLECTED AND SELECTED FOR ANALYSIS BY STRATUM

Appendix A1.–Southeastern and South Central Districts, South Alaska Peninsula Area, 2025. Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by gear type and temporal stratum.

	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
6/6					June1	*	7	0
6/7								
6/8					June1	*	16	3
6/9								
6/10					June1	36	17	6
6/11	June 1	4,698	453	190				
6/12	June 1	*	0	0	June1	*	0	0
6/13					June1	*	27	5
6/14								
6/15					June1	*	75	35
6/16	June 2	995	200	23	June1	56	0	0
6/17	June 2	4,661	148	107	June1	139	40	27
6/18	June 2	2,614	160	60	June1	61	40	10
6/19								
6/20	June 3	5,722	149	35				
6/21	June 3	5,553	120	34	June1	55	80	15
6/22	June 3	18,344	240	111	June1	73	0	0
6/23	June 3	1,702	40	10	June1	192	40	37
6/24								
6/25	June 4	9,949	160	87	June1	25	80	4
6/26	June 4	2,032	120	18	June1	75	40	23
6/27	June 4	9,538	160	83	June1	132	0	0
6/28	June 4	*	95	2	June1	83	40	25
6/29								
6/30								
7/1								
7/2					July1	82	80	6
7/3					July1	176	0	0
7/4					July1	53	80	5
7/5					July1	*	0	0
7/6	July 1	15,759	80	26	July1	633	25	25
7/7	July 1	1,624	120	2	July1	168	0	0
7/8								
7/9					July1	191	40	10
7/10	July 1	30,265	80	50	July1	953	120	58
7/11	July 1	5,847	80	10	July1	603	0	0
7/12					July1	230	0	0
7/13					July1	137	0	0

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/14	July 1	13,243	200	28	July1	1,201	80	50
7/15	July 1	3,916	0	0	July1	1,054	40	36
7/16								
7/17								
7/18	July 1	26,688	40	40	July2	2,205	0	80
7/19	July 1	18,078	160	34	July2	1,350	0	0
7/20					July2	603	0	0
7/21								
7/22	July 2	21,085	200	34	July2	2,549	40	40
7/23	July 2	4,258	0	0	July2	1,596	40	40
7/24								
7/25								
7/26	July 2	95,502	200	156	July3	2,406	80	80
7/27	July 2	20,489	0	0	July3	2,235	0	0
7/28								
7/29								
7/30	July 3	34,188	200	190	July3	2,936	80	80
7/31	July 3	9,736	0	0	July3	1,066	0	0
8/1								
8/2								
8/3	August 1	31,109	399	114	August	1,625	80	52
8/4	August 1	18,168	0	0	August	3,891	40	40
8/5	August 1	15,909	0	0	August	789	0	0
8/6								
8/7								
8/8	August 1	17,642	80	76	August	1,493	40	22
8/9	August 2	17,558	120	44	August	705	40	10
8/10	August 2	10,397	80	26	August	584	40	8
8/11	August 2	6,047	40	40	August	805	36	36
8/12	August 2	9,943	0	0	August	362	0	0
8/13	August 2	11,874	0	0	August	360	0	0
8/14	August 2	1,811	0	0	August	*	0	0
8/15	August 2	1,223	80	80	August	*	40	22
8/16	August 2	3,855	0	0	August	*	0	0
8/17	August 2	2,972	0	0	August	437	0	0
8/18	August 2	3,214	0	0	August	479	0	0
8/19	August 2	2,682	0	0	August	157	0	0
8/20	August 2	2,451	0	0	August	374	0	0
8/21	August 2	1,998	0	0				
8/22	August 2	4,847	0	0	August	*	0	0

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
8/23	August 2	3,728	0	0	August	155	0	0
8/24	August 2	1,651	0	0	August	184	0	0
8/25	August 2	1,535	0	0				
8/26	August 2	1,105	0	0				
8/27	August 2	1,175	0	0	August	*	0	0
8/28	August 2	*	0	0				
8/29	August 2	1,265	0	0	August	*	0	0
8/30	August 2	676	0	0				
8/31	August 2	470	0	0				
9/1	August 2	1,011	0	0				
9/2	August 2	375	0	0				
9/3								
9/4	August 2	26	0	0				
9/5								
9/6								
9/7	August 2	*	0	0	August	*	0	0

Note: *= denotes confidential data. When samples were collected from more than 1 day's harvest, the date of collection was listed as the first day. This can often differ from delivery/harvest date. Harvest numbers may differ from those reported elsewhere due to updates to fish ticket data.

Appendix A2.–Unimak and Southwestern districts, South Alaska Peninsula Area, 2025. Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by gear type and temporal stratum.

	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
6/11	June 1	5,149	160	62	June1	4,844	80	80
6/12	June 1	5,971	240	128	June1	3,816	120	110
6/13	June 1	4,758	0	0	June1	357	0	0
6/14								
6/15					June2	7,934	80	62
6/16	June 2	2,841	207	26	June2	6,469	120	51
6/17	June 2	481	73	44	June2	3,847	120	30
6/18	June 2	17,338	120	120	June2	6,022	80	47
6/19								
6/20	June 3	3,154	0	0	June3	1,056	80	70
6/21	June 3	281	120	52	June3	1,154	120	76
6/22	June 3	4,673	80	70	June3	266	80	17
6/23	June 3	4,514	120	68	June3	416	120	27
6/24								
6/25	June 4	1,773	40	40	June3	13	0	0
6/26	June 4	1,333	80	80	June3	*	0	0
6/27	June 4	*	80	70				
6/28								
6/29								
6/30								
7/1								
7/2								
7/3								
7/4								
7/5								
7/6	July 1	*	80	29	July1	471	78	7
7/7	July 1	*	120	17	July1	112	0	0
7/8								
7/9								
7/10	July 1	37,987	160	144	July1	1,652	80	27
7/11	July 1	45,643	0	0	July1	348	0	0
7/12								
7/13								
7/14	July 2	120,892	160	124	July1	2,097	160	76
7/15	July 2	63,873	120	66	July1	2,042	0	0
7/16								
7/17								
7/18	July 3	30,846	240	143	July1	3,783	80	80

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/19	July 3	5,848	0	0	July1	4,099	0	0
7/20								
7/21								
7/22	July 3	3,463	280	14	July2	4,806	200	190
7/23	July 3	*	0	0	July2	3,350	0	0
7/24								
7/25								
7/26	July 3	3,060	200	14	July3	1,785	160	80
7/27	July 3	554	0	0	July3	*	0	0
7/28								
7/29								
7/30	July 3	5,023	200	19	July3	1,412	200	110
7/31					July3	1,139	0	0
8/1								
8/2								
8/3	August	2,980	80	80	August	869	0	0
8/4	August	*	80	80	August	1,677	80	80
8/5	August	5,168	0	0	August	4,098	0	0
8/6								
8/7								
8/8	August	6,420	0	0	August	3,548	0	0
8/9	August	7,130	0	0	August	747	0	0
8/10	August	13,133	0	0	August	*	0	0
8/11	August	*	0	0	August	*	0	0
8/12	August	4,602	0	0	August	*	0	0
8/13	August	6,990	0	0	August	428	0	0
8/14	August	3,282	0	0				
8/15	August	9,419	0	0				
8/16	August	2,560	0	0	August	*	0	0
8/17	August	3,123	0	0				
8/18	August	3,432	0	0	August	*	0	0
8/19	August	6,364	0	0				
8/20	August	5,786	0	0	August	*	0	0
8/21	August	8,754	0	0				
8/22	August	1,841	0	0				
8/23	August	4,787	0	0	August	228	0	0
8/24	August	6,084	0	0				
8/25	August	2,029	0	0	August	*	0	0
8/26	August	1,579	0	0				

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
8/27	August	1,457	0	0	August	*	0	0
8/28	August	2,212	0	0				
8/29	August	1,647	0	0				
8/30	August	*	0	0				
8/31	August	*	0	0				
9/1	August	492	0	0				
9/2	August	122	0	0				
9/3								
9/4	August	*	0	0				
9/5	August	*	0	0				
9/6								
9/7								
9/8	August	*	0	0				

Note: *= denotes confidential data. When samples were collected from more than 1 day's harvest, the date of collection was listed as the first day. This can often differ from delivery/harvest date. Harvest numbers may differ from those reported elsewhere due to updates to fish ticket data.

APPENDIX B: AGE AND LENGTH COMPOSITION AT INDIVIDUAL STRATA LEVEL

Appendix B1.–Southeastern and South Central Districts, South Alaska Peninsula Area, June stratum 1, 2025, seine (June 11–12; Harvest = 5,117; *n* = 453). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	2	0.5	0.0	1.1	0.3	2	488.5	400.3	576.7	75.7
0.3	239	56.2	52.1	60.3	2.4	239	551.4	547.8	555.1	34.2
0.4	175	41.2	37.1	45.2	2.4	175	581.0	576.8	585.2	33.7
0.5	9	2.1	0.8	3.4	0.7	9	566.7	548.2	585.2	33.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						28	577.2	566.6	587.9	34.2
Total	425					453	564.5	561.6	567.4	37.3

Appendix B2.–Southeastern and South Central Districts, South Alaska Peninsula Area, June stratum 2, 2025, seine (June 16–18; Harvest = 8,270; *n* = 508). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	3	0.6	0.0	1.3	0.4	3	488.0	443.1	532.9	47.2
0.3	288	60.8	57.0	64.6	2.2	288	553.3	550.1	556.6	33.4
0.4	172	36.3	32.5	40.0	2.2	172	583.2	578.6	587.9	36.7
0.5	11	2.3	1.1	3.6	0.7	11	580.3	565.7	594.9	29.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						34	554.3	544.3	564.3	35.4
Total	474					508	563.7	560.9	566.5	37.8

Appendix B3.–Southeastern and South Central Districts, South Alaska Peninsula Area, June stratum 3, 2025, seine (June 20–23; Harvest = 31,321; *n* = 549). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	11	2.1	1.0	3.3	0.6	11	476.7	460.0	493.4	33.7
0.3	348	67.8	64.3	71.3	2.1	348	543.0	539.6	546.3	37.5
0.4	150	29.2	25.8	32.6	2.0	150	583.3	578.7	587.9	34.4
0.5	3	0.6	0.1	1.2	0.3	3	588.3	540.0	636.7	50.8
0.6	1	0.2	0.0	0.6	0.2	1	564.0	564.0	564.0	–
Unknown						36	557.3	542.5	572.1	53.9
Total	513					549	553.9	550.8	556.9	43.2

Appendix B4.–Southeastern and South Central Districts, South Alaska Peninsula Area, June stratum 4, 2025, seine (June 25–28; Harvest = 21,732; *n* = 535). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	10	2.0	0.9	3.2	0.6	10	469.9	455.6	484.2	27.5
0.3	362	73.4	70.0	76.8	2.0	362	542.9	539.5	546.3	39.6
0.4	118	23.9	20.7	27.2	1.9	118	579.0	572.8	585.1	40.4
0.5	2	0.4	0.0	1.0	0.3	2	567.0	537.3	596.7	25.5
0.6	1	0.2	0.0	0.6	0.2	1	595.0	595.0	595.0	–
Unknown						42	544.6	532.1	557.1	49.1
Total	493					535	549.8	546.7	553.0	44.3

Appendix B5.–Southeastern and South Central Districts, South Alaska Peninsula Area, June 2025, gillnet (June 6–28; Harvest = 1,166; *n* = 510). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	2	0.4	0.0	1.0	0.3	2	547.0	525.6	568.4	18.4
0.3	355	77.2	73.9	80.4	1.9	355	550.1	547.5	552.6	29.6
0.4	99	21.5	18.3	24.7	1.9	99	576.0	570.2	581.7	34.6
0.5	4	0.9	0.1	1.7	0.4	4	583.0	546.3	619.7	44.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						50	548.6	540.9	556.3	33.0
Total	460					510	555.2	552.8	557.6	32.7

Appendix B6.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 1, 2025, seine (June 11–13; Harvest = 15,878; *n* = 400). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	10	2.6	1.1	4.1	0.8	10	498.0	483.8	512.2	27.3
0.3	266	69.6	65.6	73.6	2.4	266	543.7	540.1	547.3	35.6
0.4	100	26.2	22.3	30.0	2.3	100	584.5	578.7	590.2	34.9
0.5	6	1.6	0.4	2.8	0.6	6	582.0	565.7	598.3	24.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						18	565.3	550.8	579.8	37.3
Total	382					400	554.3	551.0	557.6	40.3

Appendix B7.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 2, 2025, seine (June 16–18; Harvest = 20,660; n = 400). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	2	0.5	0.0	1.3	0.4	2	437.0	420.5	453.5	14.1
0.3	201	53.5	49.1	57.8	2.6	201	566.5	562.7	570.3	32.4
0.4	166	44.1	39.8	48.5	2.6	166	593.6	589.4	597.8	32.6
0.5	7	1.9	0.6	3.1	0.7	7	571.1	546.4	595.9	39.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						24	582.9	571.6	594.2	33.5
Total	376					400	578.2	575.2	581.2	36.4

Appendix B8.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 3, 2025, seine (June 20–23; Harvest = 12,622; n = 319). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	10	3.4	1.5	5.3	1.1	10	479.1	462.3	495.9	32.2
0.3	193	65.6	60.9	70.4	2.8	193	557.6	553.4	561.8	35.2
0.4	87	29.6	25.0	34.2	2.7	87	589.5	582.3	596.8	41.0
0.5	4	1.4	0.1	2.6	0.7	4	595.8	554.7	636.8	49.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						25	543.7	523.8	563.5	60.2
Total	294					319	563.4	559.3	567.5	44.6

Appendix B9.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 4, 2025, seine (June 25–27; Harvest = 3,148; *n* = 200). Estimates of age composition and mean length (mid-eye to tail fork mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	1	0.6	0.0	1.8	0.6	1	527.0	527.0	527.0	–
0.3	92	52.3	45.7	58.8	3.8	92	562.3	557.6	567.0	27.3
0.4	80	45.5	38.9	52.0	3.8	80	589.2	582.8	595.6	34.4
0.5	3	1.7	0.0	3.6	1.0	3	570.0	510.8	629.2	62.1
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						24	560.9	546.2	575.6	43.6
Total	176					200	572.8	568.7	577.0	35.4

Appendix B10.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 1, 2025, gillnet (June 11–13; Harvest = 9,017; *n* = 200). Estimates of age composition and mean length (mid-eye to tail fork mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	0	–	–	–	–	0	–	–	–	–
0.3	137	74.1	68.5	79.6	3.2	137	554.7	549.7	559.7	35.1
0.4	45	24.3	18.9	29.8	3.1	45	575.6	569.3	581.9	25.7
0.5	3	1.6	0.0	3.4	0.9	3	561.3	540.4	582.3	22.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						15	551.3	538.4	564.3	30.3
Total	185					200	559.2	555.3	563.2	33.7

Appendix B11.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 2, 2025, gillnet (June 15–18; Harvest = 24,272; n = 400). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	6	1.6	0.4	2.8	0.6	6	542.2	508.2	576.2	50.5
0.3	255	67.1	63.0	71.2	2.4	255	556.0	553.3	558.6	25.8
0.4	116	30.5	26.5	34.6	2.4	116	577.6	573.3	581.9	28.3
0.5	3	0.8	0.0	1.7	0.5	3	592.0	531.1	652.9	63.9
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						20	554.8	546.6	563.0	22.3
Total	380					400	562.2	559.9	564.6	29.0

Appendix B12.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 3, 2025, gillnet (June 20–23; Harvest = 2,933; n = 400). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	6	1.6	0.4	2.8	0.7	6	500.2	488.9	511.4	16.8
0.3	272	73.1	69.2	77.0	2.3	272	548.3	545.4	551.2	29.0
0.4	91	24.5	20.6	28.3	2.2	91	570.6	565.4	575.8	30.0
0.5	3	0.8	0.0	1.7	0.5	3	587.7	567.6	607.8	21.1
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						28	549.1	538.0	560.2	35.7
Total	372					400	553.0	550.4	555.6	31.7

Appendix B13.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 1, 2025, seine (July 6–19; Harvest = 115,420; *n* = 760). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	51	7.1	5.4	8.7	1.0	51	453.3	444.9	461.7	36.5
0.3	597	82.8	80.4	85.2	1.4	597	542.7	540.0	545.3	39.4
0.4	71	9.8	7.9	11.7	1.1	71	590.7	584.0	597.3	33.9
0.5	2	0.3	0.0	0.7	0.2	2	667.0	627.5	706.5	33.9
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						39	536.2	523.0	549.5	50.2
Total	721					760	541.2	538.3	544.1	48.3

Appendix B14.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 2, 2025, seine (July 22–27; Harvest = 141,334; *n* = 400). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	3	0.8	0.0	1.7	0.5	3	499.7	487.4	511.9	12.9
0.3	364	95.3	93.4	97.2	1.1	364	551.0	548.4	553.6	30.1
0.4	13	3.4	1.7	5.1	0.9	13	586.5	563.2	609.9	51.1
0.5	1	0.3	0.0	0.8	0.3	1	543.0	543.0	543.0	–
0.6	1	0.3	0.0	0.8	0.3	1	568.0	568.0	568.0	–
Unknown						18	559.6	542.2	577.0	44.8
Total	382					400	552.2	549.5	554.8	32.4

Appendix B15.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 3, 2025, seine (July 30–31; Harvest = 43,924; *n* = 200). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	3	1.6	0.0	3.3	0.9	3	489.3	438.9	539.7	52.8
0.3	177	93.2	89.9	96.5	1.8	177	553.6	549.4	557.7	33.1
0.4	10	5.3	2.3	8.2	1.6	10	590.9	565.4	616.4	48.7
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						10	562.8	531.8	593.8	59.3
Total	190					200	554.9	550.6	559.3	37.4

Appendix B16.–Southeastern and South Central districts, South Alaska Peninsula Area, July stratum 1, 2025, gillnet (July 2–15; Harvest = 9,657; *n* = 465). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	4	0.9	0.1	1.8	0.4	4	506.0	491.3	520.7	17.8
0.3	389	89.6	87.2	92.1	1.4	389	553.7	551.2	556.1	29.2
0.4	38	8.8	6.5	11.0	1.3	38	580.7	570.4	590.9	38.2
0.5	3	0.7	0.0	1.4	0.4	3	582.0	577.9	586.1	4.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						31	563.2	555.2	571.2	27.0
Total	434					465	556.3	553.9	558.6	31.0

Appendix B17.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 2, 2025, gillnet (July 18–23; Harvest = 4,145; *n* = 160). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	0	–	–	–	–	0	–	–	–	–
0.3	131	92.3	88.2	96.3	2.2	131	552.7	548.6	556.7	27.9
0.4	11	7.7	3.7	11.8	2.2	11	585.1	567.5	602.7	35.3
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						18	553.3	546.3	560.2	17.8
Total	142					160	555.0	551.2	558.7	28.6

Appendix B18.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 3, 2025, gillnet (July 26–31; Harvest = 8,643; *n* = 160). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	0	–	–	–	–	0	–	–	–	–
0.3	140	92.7	89.0	96.5	2.1	140	557.6	553.6	561.6	28.8
0.4	11	7.3	3.5	11.0	2.1	11	579.3	566.5	592.1	25.7
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						9	547.2	533.5	560.9	24.9
Total	151					160	558.5	554.7	562.3	28.9

Appendix B19.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 1, 2025, seine (July 6–11; Harvest = 110,133; *n* = 360). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	124	37.7	33.1	42.3	2.7	124	455.1	451.0	459.1	27.1
0.3	177	53.8	49.1	58.5	2.8	177	506.7	501.4	512.1	43.4
0.4	27	8.2	5.6	10.9	1.5	27	547.0	529.0	565.0	56.8
0.5	1	0.3	0.0	1.0	0.3	1	520.0	520.0	520.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						31	497.5	480.2	514.9	58.5
Total	329					360	491.2	486.9	495.5	50.0

Appendix B20.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 2, 2025, seine (July 14–15; Harvest = 184,765; *n* = 280). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	91	34.2	29.2	39.2	2.9	91	454.7	449.9	459.4	27.4
0.3	161	60.5	55.4	65.7	3.0	161	519.2	512.9	525.5	48.5
0.4	14	5.3	2.8	7.7	1.4	14	560.6	544.3	576.9	36.9
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						14	477.3	451.0	503.5	59.5
Total	266					280	498.2	492.9	503.5	53.9

Appendix B21.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 3, 2025, seine (July 18–30; Harvest = 49,136; *n* = 920). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	53	6.4	4.9	7.8	0.8	53	484.1	477.7	490.5	28.1
0.3	741	89.0	87.1	90.8	1.1	741	556.3	554.2	558.4	34.7
0.4	39	4.7	3.4	5.9	0.7	39	597.1	585.9	608.3	42.4
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						87	553.5	547.1	559.9	36.3
Total	833					920	553.6	551.4	555.7	39.7

Appendix B22.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 1, 2025, gillnet (July 6–19; Harvest = 14,604; *n* = 398). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	14	3.7	2.0	5.4	1.0	14	479.0	462.9	495.1	36.5
0.3	340	89.2	86.5	92.0	1.6	340	555.7	553.1	558.4	29.7
0.4	27	7.1	4.8	9.4	1.3	27	576.3	565.2	587.5	35.1
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						17	543.0	530.9	555.1	30.3
Total	381					398	553.9	551.1	556.7	34.0

Appendix B23.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 2, 2025, gillnet (July 22–23; Harvest = 8,156; *n* = 200). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age Composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	6	3.2	0.8	5.6	1.3	6	533.7	516.4	551.0	25.6
0.3	170	90.4	86.6	94.2	2.1	170	556.3	552.6	560.0	29.2
0.4	12	6.4	3.2	9.6	1.8	12	578.6	567.7	589.4	22.8
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						12	552.7	540.9	564.4	24.7
Total	188					200	556.8	553.3	560.2	29.2

Appendix B24.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 3, 2025, gillnet (July 26–31; Harvest = 4,404; *n* = 360). Estimates of age composition and mean length (mid-eye to tail fork mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	6	1.7	0.5	3.0	0.7	6	491.2	471.1	511.2	29.8
0.3	321	93.6	91.3	95.8	1.3	321	556.1	553.8	558.4	25.2
0.4	15	4.4	2.5	6.3	1.1	15	582.0	569.5	594.5	29.4
0.5	1	0.3	0.0	0.9	0.3	1	584.0	584.0	584.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						17	548.2	534.7	561.6	33.6
Total	343					360	555.8	553.4	558.2	27.7

Appendix B25.–Southeastern and South Central Districts, South Alaska Peninsula Area, August stratum 1, 2025, seine (August 3–8; Harvest = 82,828; *n* = 479). Estimates of age composition and mean length (mid-eye to tail fork mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	7	1.6	0.5	2.6	0.6	7	501.7	463.9	539.5	60.7
0.3	421	93.8	91.8	95.8	1.1	421	547.6	545.1	550.1	30.8
0.4	18	4.0	2.4	5.6	0.9	18	603.0	584.8	621.2	46.9
0.5	3	0.7	0.0	1.4	0.4	3	548.7	524.1	573.2	25.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						30	538.8	527.6	550.0	37.4
Total	449					479	548.5	545.9	551.1	34.6

Appendix B26.–Southeastern and South Central Districts, South Alaska Peninsula Area, August stratum 2, 2025, seine (August 9–September 7; Harvest = 94,309; *n* = 320). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	4	1.4	0.1	2.8	0.7	4	512.3	470.8	553.7	50.3
0.3	263	92.9	90.2	95.6	1.5	263	548.0	544.4	551.5	35.2
0.4	16	5.7	3.2	8.1	1.4	16	569.4	551.3	587.5	43.9
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						37	543.7	536.4	551.0	27.0
Total	283					320	548.1	544.8	551.4	35.4

Appendix B27.–Southeastern and South Central Districts, South Alaska Peninsula Area, August, 2025, gillnet (August 3–September 7; Harvest = 13,139; *n* = 316). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	1	0.3	0.0	1.1	0.3	1	556.0	556.0	556.0	–
0.3	262	90.3	87.3	93.4	1.7	262	556.8	553.9	559.7	28.2
0.4	27	9.3	6.3	12.3	1.7	27	573.7	565.0	582.4	27.4
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						26	552.7	544.6	560.8	25.0
Total	290					316	557.9	555.3	560.5	28.2

Appendix B28.–Unimak and Southwestern districts, South Alaska Peninsula Area, August, 2025, seine (August 3–September 8; Harvest = 115,514; *n* = 160). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	4	2.7	0.1	5.2	1.3	4	494.0	482.8	505.2	13.6
0.3	140	93.3	89.6	97.0	2.0	140	558.0	553.5	562.5	32.0
0.4	6	4.0	1.0	7.0	1.6	6	577.8	555.9	599.8	32.5
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						10	561.3	547.5	575.1	26.4
Total	150					160	557.4	553.0	561.7	33.0

Appendix B29.–Unimak and Southwestern Districts, South Alaska Peninsula Area, August, 2025, gillnet (August 3–27; Harvest = 13,099; *n* = 80). Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age Composition					Length (mm) METF				
			90% CI					90% CI		
Age Class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	2	2.5	0.0	6.0	1.8	2	503.0	498.0	508.0	4.2
0.3	77	96.3	92.1	100.4	2.1	77	560.4	555.3	565.5	26.9
0.4	1	1.3	0.0	4.0	1.3	1	546.0	546.0	546.0	–
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						0	–	–	–	–
Total	80					80	558.8	553.6	563.9	27.9

APPENDIX C: STOCK COMPOSITION AND STOCK-SPECIFIC HARVEST AT INDIVIDUAL STRATA LEVEL

Appendix C1.–Southeastern and South Central Districts, South Alaska Peninsula Area, June stratum 1, 2025, seine (June 11–12; Harvest = 5,117; *n* = 190). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	20.3	15.6	25.2	20.4	3.0	1,040	799	1,292	1,043	151
Russia	14.0	10.0	18.8	14.1	2.7	717	512	963	723	137
Kotzebue Sound	0.2	0.0	7.0	1.8	2.5	12	0	356	93	127
Coastal Western Alaska	22.7	16.7	28.9	22.7	3.8	1,161	853	1,476	1,161	195
Upper Yukon River	1.4	0.3	3.4	1.6	1.0	72	17	176	81	51
Northern Alaska Peninsula – east	0.1	0.0	2.2	0.5	0.8	3	0	111	26	41
Northern Alaska Peninsula – west	0.0	0.0	0.3	0.1	0.2	0	0	16	3	10
S. Alaska Pen./W. Kodiak I.	6.2	2.8	10.4	6.4	2.4	320	142	535	328	122
Kodiak	0.9	0.1	5.0	1.5	1.6	45	3	258	77	84
Cook Inlet	0.0	0.0	0.3	0.0	0.2	0	0	13	2	8
Prince William Sound	4.9	2.4	8.7	5.2	1.9	253	124	446	265	99
Southeast Alaska	1.9	0.4	4.3	2.1	1.2	97	22	219	105	61
BC/WA	23.5	18.7	29.1	23.6	3.1	1,203	959	1,488	1,210	161
								Total	5,117	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C2.–Southeastern and South Central Districts, South Alaska Peninsula Area, June stratum 2, 2025, seine (June 16–18; Harvest = 8,270; *n* = 190). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	26.5	21.4	32.1	26.6	3.2	2,192	1,768	2,654	2,197	268
Russia	7.9	5.0	11.5	8.0	2.0	656	414	952	665	166
Kotzebue Sound	0.7	0.0	6.1	1.8	2.2	62	0	503	151	183
Coastal Western Alaska	24.5	18.6	31.0	24.6	3.8	2,024	1,540	2,568	2,032	310
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	19	3	12
Northern Alaska Peninsula – east	0.0	0.0	3.1	0.7	1.2	1	0	259	55	97
Northern Alaska Peninsula – west	0.3	0.0	2.5	0.6	0.9	21	0	203	54	74
S. Alaska Pen./W. Kodiak I.	9.8	1.1	17.5	9.6	4.8	811	95	1,443	791	398
Kodiak	2.4	0.0	11.9	3.7	4.1	196	0	984	306	341
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	19	3	11
Prince William Sound	8.3	4.6	13.0	8.4	2.5	685	379	1,073	696	208
Southeast Alaska	0.0	0.0	0.6	0.1	0.4	0	0	47	9	31
BC/WA	15.7	11.6	20.4	15.8	2.6	1,301	962	1,688	1,308	218
								Total	8,270	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C3.–Southeastern and South Central Districts, South Alaska Peninsula Area, June stratum 3, 2025, seine (June 20–23; Harvest = 31,321; *n* = 187). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	35.9	30.1	41.7	35.9	3.6	11,244	9,415	13,053	11,235	1,117
Russia	11.0	7.4	15.2	11.1	2.4	3,438	2,303	4,773	3,480	759
Kotzebue Sound	0.7	0.0	3.8	1.1	1.3	216	0	1,196	353	407
Coastal Western Alaska	11.4	7.7	16.0	11.6	2.5	3,570	2,411	5,016	3,620	795
Upper Yukon River	0.0	0.0	0.3	0.1	0.2	0	0	108	16	58
Northern Alaska Peninsula – east	0.5	0.0	2.7	0.8	0.9	147	0	846	245	296
Northern Alaska Peninsula – west	1.9	0.5	4.2	2.1	1.2	598	153	1,311	657	376
S. Alaska Pen./W. Kodiak I.	10.2	0.0	16.4	9.0	5.3	3,181	0	5,133	2,806	1,657
Kodiak	0.9	0.0	14.0	3.8	5.0	294	0	4,383	1,201	1,552
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	75	13	46
Prince William Sound	0.0	0.0	0.5	0.1	0.3	0	0	152	28	105
Southeast Alaska	1.4	0.0	3.8	1.6	1.2	448	0	1,180	504	375
BC/WA	22.7	17.8	28.2	22.9	3.2	7,112	5,588	8,827	7,163	990
								Total	31,321	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C4.–Southeastern and South Central Districts, South Alaska Peninsula Area, June stratum 4, 2025, seine (June 25–28; Harvest = 21,732; *n* = 187). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	23.6	18.9	29.0	23.8	3.1	5,138	4,098	6,296	5,167	665
Russia	10.7	7.1	15.2	10.9	2.4	2,331	1,553	3,311	2,364	529
Kotzebue Sound	0.0	0.0	0.8	0.1	0.4	0	0	183	30	87
Coastal Western Alaska	10.6	7.1	14.8	10.7	2.4	2,299	1,541	3,223	2,326	516
Upper Yukon River	0.0	0.0	0.5	0.1	0.2	0	0	103	17	54
Northern Alaska Peninsula – east	0.0	0.0	3.1	0.5	1.3	0	0	681	115	284
Northern Alaska Peninsula – west	0.0	0.0	0.3	0.1	0.3	0	0	76	14	57
S. Alaska Pen./W. Kodiak I.	24.8	14.3	34.2	24.6	6.0	5,380	3,104	7,432	5,341	1,304
Kodiak	5.7	0.2	15.3	6.3	4.9	1,249	36	3,333	1,363	1,072
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	47	9	32
Prince William Sound	5.3	2.6	8.8	5.4	1.9	1,148	571	1,920	1,181	410
Southeast Alaska	0.0	0.0	0.8	0.1	0.4	0	0	164	26	80
BC/WA	17.3	13.1	22.0	17.4	2.8	3,764	2,837	4,790	3,779	598
								Total	21,732	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C5.–Southeastern and South Central Districts, South Alaska Peninsula Area, June 2025, gillnet (June 6–28; Harvest = 1,166; *n* = 185). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.5	0.4	3.4	1.7	0.9	18	5	40	19	11
Russia	2.2	0.6	4.9	2.4	1.3	26	7	57	28	16
Kotzebue Sound	0.0	0.0	1.4	0.3	0.5	0	0	17	3	6
Coastal Western Alaska	7.6	4.4	11.9	7.8	2.3	89	51	139	91	27
Upper Yukon River	0.0	0.0	0.3	0.0	0.2	0	0	3	1	2
Northern Alaska Peninsula – east	5.1	1.1	11.7	5.6	3.2	60	13	136	65	38
Northern Alaska Peninsula – west	0.0	0.0	2.4	0.5	0.9	0	0	28	5	10
S. Alaska Pen./W. Kodiak I.	31.3	20.4	41.5	31.2	6.4	365	238	484	364	75
Kodiak	6.9	0.4	15.0	7.1	4.6	81	4	175	83	53
Cook Inlet	0.9	0.2	2.5	1.1	0.8	11	2	30	13	9
Prince William Sound	36.1	29.0	43.6	36.2	4.4	421	339	508	422	51
Southeast Alaska	3.6	1.2	7.2	3.8	1.9	42	14	84	45	22
BC/WA	2.0	0.7	4.3	2.2	1.1	24	8	50	26	13
								Total	1,166	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C6.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 1, 2025, seine (June 11–13; Harvest = 15,878; *n* = 189). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	26.1	21.2	31.7	26.3	3.2	4,149	3,372	5,028	4,172	502
Russia	5.8	3.3	9.2	6.0	1.8	926	518	1,465	950	291
Kotzebue Sound	0.0	0.0	0.4	0.1	0.3	0	0	67	12	45
Coastal Western Alaska	48.5	41.9	55.1	48.5	4.0	7,708	6,652	8,741	7,697	629
Upper Yukon River	3.1	0.6	6.6	3.3	1.8	495	93	1,056	525	290
Northern Alaska Peninsula – east	1.8	0.1	5.2	2.2	1.6	291	21	821	343	254
Northern Alaska Peninsula – west	1.2	0.0	3.5	1.4	1.1	184	0	560	216	177
S. Alaska Pen./W. Kodiak I.	1.4	0.0	4.1	1.6	1.4	220	0	655	248	216
Kodiak	0.0	0.0	1.3	0.2	0.6	0	0	213	33	91
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	33	6	21
Prince William Sound	0.0	0.0	0.4	0.1	0.2	0	0	69	11	33
Southeast Alaska	0.0	0.0	1.6	0.3	0.6	2	0	253	54	97
BC/WA	10.0	6.8	14.0	10.1	2.3	1,584	1,086	2,226	1,610	362
								Total	15,878	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C7.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 2, 2025, seine (June 16–18; Harvest = 20,660; *n* = 189). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	19.3	15.2	24.4	19.4	2.8	3,989	3,135	5,050	4,016	589
Russia	6.1	3.4	10.0	6.3	2.0	1,266	704	2,065	1,303	409
Kotzebue Sound	0.0	0.0	2.4	0.4	1.2	0	0	501	87	238
Coastal Western Alaska	42.8	35.9	49.6	42.7	4.1	8,846	7,407	10,251	8,828	848
Upper Yukon River	0.0	0.0	0.4	0.1	0.2	0	0	85	13	45
Northern Alaska Peninsula – east	2.5	0.4	6.8	2.9	2.1	508	77	1,411	598	434
Northern Alaska Peninsula – west	3.0	1.1	6.0	3.2	1.6	615	222	1,248	661	324
S. Alaska Pen./W. Kodiak I.	0.0	0.0	1.3	0.2	0.6	0	0	264	42	133
Kodiak	2.2	0.0	5.2	2.3	1.5	446	2	1,069	483	315
Cook Inlet	0.0	0.0	0.2	0.0	0.2	0	0	51	9	32
Prince William Sound	0.1	0.0	2.2	0.5	0.8	15	0	459	105	161
Southeast Alaska	1.1	0.0	3.3	1.3	1.1	236	0	689	276	228
BC/WA	20.4	15.9	25.4	20.5	2.9	4,221	3,278	5,245	4,239	598
								Total	20,660	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C8.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 3, 2025, seine (June 20–23; Harvest = 12,622; *n* = 189). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	15.3	11.3	20.0	15.4	2.6	1,935	1,422	2,520	1,945	332
Russia	10.2	6.9	14.5	10.4	2.3	1,293	877	1,831	1,317	294
Kotzebue Sound	1.3	0.0	4.3	1.5	1.4	163	0	539	193	178
Coastal Western Alaska	44.1	37.5	50.5	44.1	4.0	5,565	4,735	6,377	5,572	501
Upper Yukon River	0.0	0.0	1.9	0.4	0.7	3	0	239	48	87
Northern Alaska Peninsula – east	9.2	5.2	14.0	9.3	2.7	1,159	658	1,766	1,177	338
Northern Alaska Peninsula – west	7.4	4.4	11.3	7.5	2.1	939	554	1,426	952	262
S. Alaska Pen./W. Kodiak I.	0.0	0.0	0.7	0.1	0.4	0	0	93	14	47
Kodiak	0.0	0.0	0.5	0.1	0.3	0	0	63	11	40
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	31	5	16
Prince William Sound	1.3	0.2	3.6	1.5	1.0	168	26	459	193	132
Southeast Alaska	0.0	0.0	1.1	0.2	0.4	0	0	141	25	55
BC/WA	9.1	6.0	13.2	9.3	2.1	1,153	758	1,665	1,170	266
								Total	12,622	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C9.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 4, 2025, seine (June 25–27; Harvest = 3,148; n = 188). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	19.2	14.8	24.4	19.4	2.9	605	465	769	609	92
Russia	12.7	9.0	17.5	12.9	2.6	399	283	550	405	81
Kotzebue Sound	0.0	0.0	3.9	0.6	1.6	0	0	123	19	49
Coastal Western Alaska	28.4	21.9	34.6	28.3	3.9	893	689	1,089	891	122
Upper Yukon River	0.5	0.0	2.5	0.8	0.9	16	0	79	25	27
Northern Alaska Peninsula – east	11.5	6.7	17.5	11.8	3.2	362	211	551	370	102
Northern Alaska Peninsula – west	3.6	0.8	8.2	3.9	2.3	112	25	257	123	72
S. Alaska Pen./W. Kodiak I.	0.8	0.0	6.3	1.9	2.3	25	0	198	59	72
Kodiak	4.1	0.0	8.9	4.2	2.7	131	0	280	132	86
Cook Inlet	0.0	0.0	0.3	0.1	0.2	0	0	9	2	5
Prince William Sound	0.0	0.0	2.1	0.4	0.8	0	0	65	13	24
Southeast Alaska	0.1	0.0	2.2	0.5	0.8	3	0	69	16	25
BC/WA	15.2	11.2	19.8	15.3	2.6	478	353	622	482	82
								Total	3,148	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C10.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 1, 2025, gillnet (June 11-13; Harvest = 9,017; *n* = 189). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	10.0	6.7	13.7	10.1	2.2	901	605	1,237	910	194
Russia	6.6	3.9	10.5	6.8	2.0	598	348	948	618	183
Kotzebue Sound	1.5	0.0	5.4	1.9	1.8	139	0	484	176	167
Coastal Western Alaska	38.6	31.8	45.0	38.5	4.0	3,483	2,868	4,056	3,472	359
Upper Yukon River	0.1	0.0	1.8	0.4	0.6	10	0	160	37	56
Northern Alaska Peninsula – east	3.2	1.0	7.5	3.6	2.1	284	91	678	322	185
Northern Alaska Peninsula – west	2.3	0.0	5.9	2.4	1.9	208	0	531	216	175
S. Alaska Pen./W. Kodiak I.	7.0	3.5	11.7	7.2	2.5	633	314	1,056	653	229
Kodiak	0.0	0.0	1.2	0.2	0.6	0	0	105	17	52
Cook Inlet	0.0	0.0	0.2	0.0	0.2	0	0	21	4	14
Prince William Sound	9.5	5.9	14.1	9.7	2.6	860	530	1,273	878	231
Southeast Alaska	4.4	2.0	8.1	4.6	1.9	397	178	734	419	175
BC/WA	14.2	10.4	18.7	14.4	2.5	1,285	935	1,689	1,295	229
								Total	9,017	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C11.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 2, 2025, gillnet (June 15–18; Harvest = 24,272; *n* = 190). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	14.2	10.2	18.6	14.3	2.6	3,439	2,487	4,511	3,461	621
Russia	6.2	3.5	10.0	6.4	2.0	1,507	857	2,433	1,561	478
Kotzebue Sound	1.6	0.0	9.7	2.9	3.4	399	0	2,366	696	818
Coastal Western Alaska	49.4	40.8	57.0	49.2	4.9	11,994	9,904	13,830	11,947	1,193
Upper Yukon River	1.0	0.0	3.4	1.2	1.1	239	0	815	296	267
Northern Alaska Peninsula – east	0.8	0.0	6.5	1.8	2.3	205	0	1,579	444	559
Northern Alaska Peninsula – west	2.0	0.0	5.8	2.3	2.0	484	0	1,416	552	489
S. Alaska Pen./W. Kodiak I.	2.1	0.0	6.1	2.3	2.1	506	0	1,481	570	498
Kodiak	0.0	0.0	5.0	1.1	1.9	4	0	1,224	268	451
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	56	9	32
Prince William Sound	0.0	0.0	1.0	0.2	0.5	0	0	253	39	112
Southeast Alaska	4.9	2.5	7.8	5.0	1.6	1,180	617	1,891	1,208	399
BC/WA	13.1	9.4	17.6	13.3	2.5	3,189	2,282	4,267	3,220	600
								Total	24,272	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C12.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June stratum 3, 2025, gillnet (June 20–23; Harvest = 2,933; *n* = 189). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	4.1	2.2	6.7	4.2	1.4	119	64	197	123	41
Russia	4.2	2.2	7.3	4.4	1.6	124	64	214	130	46
Kotzebue Sound	0.0	0.0	5.9	0.8	2.1	0	0	173	23	62
Coastal Western Alaska	59.8	51.9	66.3	59.5	4.4	1,754	1,522	1,945	1,744	128
Upper Yukon River	0.0	0.0	0.3	0.0	0.2	0	0	8	1	5
Northern Alaska Peninsula – east	8.7	4.5	14.1	8.9	3.0	256	132	415	262	87
Northern Alaska Peninsula – west	8.4	4.5	12.8	8.5	2.5	247	132	374	248	73
S. Alaska Pen./W. Kodiak I.	0.8	0.0	6.2	1.7	2.1	25	0	182	50	62
Kodiak	2.1	0.0	6.4	2.5	2.1	62	0	187	74	62
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	7	1	4
Prince William Sound	2.4	0.7	5.3	2.6	1.4	71	20	155	76	42
Southeast Alaska	0.1	0.0	3.0	0.7	1.1	3	0	88	21	31
BC/WA	5.9	3.4	9.4	6.1	1.8	174	100	276	179	53
								Total	2,933	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C13.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 1, 2025, seine (July 6–19; Harvest = 115,420; *n* = 184). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	3.6	1.8	6.5	3.8	1.4	4,161	2,101	7,519	4,426	1,645
Russia	3.0	1.0	6.3	3.3	1.6	3,509	1,182	7,270	3,793	1,882
Kotzebue Sound	0.0	0.0	0.3	0.0	0.1	0	0	291	47	168
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	0	0	254	45	169
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	224	42	152
Northern Alaska Peninsula – east	0.0	0.0	0.7	0.1	0.4	0	0	763	125	430
Northern Alaska Peninsula – west	0.0	0.0	0.5	0.1	0.3	0	0	620	108	345
S. Alaska Pen./W. Kodiak I.	60.6	44.6	75.2	60.2	9.7	69,909	51,467	86,796	69,511	11,211
Kodiak	15.7	3.4	32.4	16.6	9.5	18,160	3,972	37,440	19,139	10,934
Cook Inlet	5.9	3.5	9.1	6.0	1.7	6,848	3,982	10,538	6,976	2,005
Prince William Sound	0.0	0.0	1.0	0.2	0.5	0	0	1,101	184	579
Southeast Alaska	0.0	0.0	1.9	0.3	0.7	3	0	2,235	387	816
BC/WA	9.0	5.9	13.0	9.2	2.2	10,366	6,866	15,061	10,637	2,533
								Total	115,420	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C14.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 2, 2025, seine (July 22–27; Harvest = 141,334; n = 189). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.9	0.2	2.6	1.1	0.8	1,331	307	3,606	1,557	1,069
Russia	0.9	0.1	2.6	1.1	0.8	1,291	163	3,620	1,565	1,161
Kotzebue Sound	0.0	0.0	0.3	0.0	0.2	0	0	440	70	222
Coastal Western Alaska	0.0	0.0	0.3	0.1	0.2	0	0	415	79	293
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	269	56	210
Northern Alaska Peninsula – east	0.0	0.0	1.4	0.3	0.7	1	0	2,045	355	982
Northern Alaska Peninsula – west	0.0	0.0	1.3	0.2	0.5	0	0	1,773	277	751
S. Alaska Pen./W. Kodiak I.	54.0	38.0	68.0	53.6	9.1	76,258	53,646	96,121	75,719	12,892
Kodiak	36.5	22.6	52.5	36.9	9.0	51,648	31,938	74,178	52,086	12,790
Cook Inlet	4.6	2.6	7.5	4.8	1.5	6,464	3,624	10,614	6,733	2,175
Prince William Sound	0.0	0.0	1.2	0.2	0.5	0	0	1,666	267	729
Southeast Alaska	0.0	0.0	1.1	0.2	0.5	2	0	1,619	294	690
BC/WA	1.5	0.4	3.3	1.6	0.9	2,062	621	4,679	2,276	1,297
								Total	141,334	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C15.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 3, 2025, seine (July 30–31; Harvest = 43,924; *n* = 188). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.9	0.2	2.6	1.1	0.8	403	86	1,133	481	330
Russia	0.4	0.0	1.9	0.6	0.6	197	10	813	277	269
Kotzebue Sound	0.0	0.0	0.3	0.1	0.2	0	0	120	22	84
Coastal Western Alaska	0.0	0.0	0.3	0.0	0.2	0	0	111	20	67
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	96	17	63
Northern Alaska Peninsula – east	0.0	0.0	3.0	0.4	1.2	0	0	1,337	179	542
Northern Alaska Peninsula – west	1.1	0.0	6.5	1.9	2.2	490	0	2,843	852	964
S. Alaska Pen./W. Kodiak I.	71.7	56.4	91.1	72.3	10.0	31,508	24,792	40,014	31,761	4,404
Kodiak	20.8	0.0	35.0	19.9	9.6	9,126	1	15,365	8,760	4,231
Cook Inlet	0.9	0.2	2.5	1.1	0.7	413	90	1,112	480	329
Prince William Sound	0.0	0.0	2.3	0.4	0.9	2	0	1,021	184	388
Southeast Alaska	0.0	0.0	0.8	0.1	0.4	0	0	334	52	166
BC/WA	1.7	0.5	4.1	1.9	1.2	733	231	1,821	840	515
								Total	43,924	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C16.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 1, 2025, gillnet (July 2–15; Harvest = 9,657; *n* = 189). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.3	0.0	0.2	0	0	26	4	15
Russia	0.1	0.0	1.4	0.3	0.5	6	0	132	30	47
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	22	4	13
Coastal Western Alaska	0.0	0.0	0.5	0.1	0.2	0	0	52	8	23
Upper Yukon River	0.0	0.0	0.3	0.0	0.2	0	0	24	5	17
Northern Alaska Peninsula – east	0.2	0.0	2.5	0.6	0.9	21	0	242	63	90
Northern Alaska Peninsula – west	0.0	0.0	0.5	0.1	0.3	0	0	50	9	31
S. Alaska Pen./W. Kodiak I.	86.3	73.8	92.5	85.1	5.8	8,336	7,131	8,931	8,222	557
Kodiak	0.6	0.0	14.2	3.6	5.2	56	0	1,375	344	502
Cook Inlet	3.7	1.8	6.3	3.8	1.4	353	169	604	363	132
Prince William Sound	4.0	0.9	8.2	4.2	2.2	389	90	789	407	217
Southeast Alaska	0.0	0.0	1.1	0.2	0.5	0	0	103	18	47
BC/WA	1.7	0.5	3.8	1.9	1.0	164	49	365	181	99
								Total	9,657	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C17.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 2, 2025, gillnet (July 18–23; Harvest = 4,145; *n* = 159). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.3	0.0	0.2	0	0	12	2	7
Russia	0.0	0.0	1.3	0.2	0.5	0	0	56	8	23
Kotzebue Sound	0.0	0.0	0.3	0.0	0.1	0	0	13	2	6
Coastal Western Alaska	0.0	0.0	0.3	0.0	0.2	0	0	11	2	7
Upper Yukon River	0.0	0.0	0.3	0.0	0.2	0	0	12	2	7
Northern Alaska Peninsula – east	0.0	0.0	0.6	0.1	0.4	0	0	26	4	16
Northern Alaska Peninsula – west	0.0	0.0	1.4	0.2	0.8	0	0	60	9	33
S. Alaska Pen./W. Kodiak I.	53.4	41.4	65.9	53.4	7.5	2,213	1,718	2,731	2,215	310
Kodiak	31.6	19.7	44.3	31.7	7.4	1,312	817	1,838	1,315	305
Cook Inlet	13.1	9.0	17.8	13.2	2.7	542	372	737	547	112
Prince William Sound	0.0	0.0	1.9	0.3	0.8	0	0	77	11	32
Southeast Alaska	0.0	0.0	0.8	0.1	0.5	0	0	35	6	20
BC/WA	0.3	0.0	1.8	0.5	0.6	13	0	76	22	27
								Total	4,145	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C18.–Southeastern and South Central Districts, South Alaska Peninsula Area, July stratum 3, 2025, gillnet (July 26–31; Harvest = 8,643; *n* = 159). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.2	0.0	0.2	0	0	20	4	15
Russia	0.0	0.0	0.6	0.1	0.3	0	0	51	8	26
Kotzebue Sound	0.0	0.0	0.4	0.1	0.2	0	0	32	5	18
Coastal Western Alaska	0.0	0.0	0.8	0.1	0.3	0	0	65	10	25
Upper Yukon River	0.0	0.0	0.3	0.1	0.2	0	0	22	4	16
Northern Alaska Peninsula – east	0.0	0.0	0.4	0.1	0.3	0	0	31	6	25
Northern Alaska Peninsula – west	0.0	0.0	0.5	0.1	0.4	0	0	39	8	32
S. Alaska Pen./W. Kodiak I.	54.3	40.7	67.4	54.3	8.2	4,696	3,521	5,829	4,692	709
Kodiak	38.2	25.1	51.1	38.2	8.0	3,303	2,172	4,417	3,305	693
Cook Inlet	3.8	1.8	6.9	4.0	1.6	329	152	592	343	135
Prince William Sound	0.9	0.0	7.6	2.1	2.7	76	0	658	185	232
Southeast Alaska	0.0	0.0	0.8	0.1	0.4	0	0	69	12	38
BC/WA	0.5	0.1	1.9	0.7	0.6	43	4	166	59	54
								Total	8,643	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C19.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 1, 2025, seine (July 6–11; Harvest = 110,133; n = 190). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	30.4	25.0	36.1	30.5	3.5	33,447	27,542	39,798	33,599	3,800
Russia	11.5	7.6	16.5	11.7	2.7	12,645	8,405	18,135	12,895	2,992
Kotzebue Sound	2.8	0.9	5.7	3.0	1.5	3,103	975	6,303	3,297	1,646
Coastal Western Alaska	8.7	4.7	14.5	9.0	3.0	9,583	5,226	15,987	9,922	3,308
Upper Yukon River	4.6	0.1	8.0	4.4	2.3	5,041	147	8,836	4,889	2,514
Northern Alaska Peninsula – east	2.4	0.0	6.4	2.7	2.0	2,668	0	7,031	2,999	2,198
Northern Alaska Peninsula – west	4.2	1.8	7.8	4.4	1.9	4,641	1,945	8,610	4,894	2,043
S. Alaska Pen./W. Kodiak I.	0.0	0.0	4.1	0.9	1.5	20	0	4,566	956	1,657
Kodiak	2.4	0.0	6.0	2.5	2.0	2,640	0	6,567	2,733	2,158
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	240	41	144
Prince William Sound	0.0	0.0	1.0	0.2	0.5	0	0	1,052	170	515
Southeast Alaska	7.7	3.6	12.3	7.8	2.6	8,437	3,954	13,510	8,543	2,877
BC/WA	22.7	17.5	28.6	22.9	3.4	25,015	19,279	31,493	25,195	3,766
								Total	110,133	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C20.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 2, 2025, seine (July 14–15; Harvest = 184,765; *n* = 190). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval, mean, and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	20.9	16.2	25.9	21.0	3.0	38,593	29,895	47,845	38,773	5,543
Russia	13.5	9.4	18.6	13.7	2.8	25,001	17,450	34,361	25,361	5,183
Kotzebue Sound	0.0	0.0	0.7	0.1	0.4	0	0	1,247	215	711
Coastal Western Alaska	6.1	3.3	9.4	6.1	1.9	11,206	6,006	17,397	11,354	3,486
Upper Yukon River	1.4	0.2	3.3	1.5	1.0	2,542	352	6,167	2,837	1,795
Northern Alaska Peninsula – east	0.0	0.0	3.6	0.7	1.3	12	0	6,650	1,232	2,472
Northern Alaska Peninsula – west	0.4	0.0	2.8	0.8	1.0	673	0	5,180	1,414	1,860
S. Alaska Pen./W. Kodiak I.	28.3	20.4	35.2	28.2	4.5	52,319	37,671	65,079	52,147	8,243
Kodiak	0.0	0.0	8.9	1.9	3.1	76	0	16,422	3,481	5,752
Cook Inlet	0.4	0.0	1.6	0.6	0.5	747	56	3,002	1,036	984
Prince William Sound	0.0	0.0	1.4	0.2	0.6	1	0	2,523	406	1,110
Southeast Alaska	3.5	1.2	7.0	3.7	1.8	6,471	2,185	12,863	6,838	3,345
BC/WA	21.3	16.7	26.7	21.5	3.1	39,344	30,894	49,338	39,671	5,688
								Total	184,765	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C21.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 3, 2025, seine (July 18–30; Harvest = 49,136; *n* = 189). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	8.3	5.4	12.2	8.5	2.1	4,076	2,670	6,010	4,175	1,024
Russia	3.2	1.5	6.0	3.4	1.4	1,568	716	2,967	1,668	693
Kotzebue Sound	3.0	0.9	6.3	3.2	1.7	1,470	436	3,074	1,573	826
Coastal Western Alaska	1.3	0.0	4.5	1.7	1.5	654	0	2,233	813	735
Upper Yukon River	0.2	0.0	1.9	0.5	0.7	100	0	923	241	329
Northern Alaska Peninsula – east	8.5	4.2	14.0	8.7	3.0	4,180	2,059	6,866	4,271	1,484
Northern Alaska Peninsula – west	0.0	0.0	1.2	0.2	0.7	0	0	597	102	337
S. Alaska Pen./W. Kodiak I.	42.3	30.1	52.8	42.2	6.9	20,792	14,783	25,942	20,712	3,390
Kodiak	6.1	0.0	18.1	6.7	6.5	2,990	0	8,914	3,312	3,215
Cook Inlet	1.6	0.5	3.7	1.8	1.0	772	252	1,807	879	501
Prince William Sound	3.0	0.0	7.1	3.2	2.2	1,473	0	3,492	1,565	1,071
Southeast Alaska	8.1	3.6	13.7	8.3	3.1	3,988	1,765	6,727	4,091	1,504
BC/WA	11.4	7.2	17.1	11.7	3.0	5,586	3,554	8,421	5,733	1,471
								Total	49,136	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C22.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 1, 2025, gillnet (July 6–19; Harvest = 14,604; *n* = 187). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2.3	0.9	4.8	2.5	1.2	338	131	694	366	179
Russia	3.7	1.8	6.6	3.9	1.5	547	261	966	575	219
Kotzebue Sound	0.0	0.0	0.3	0.1	0.2	0	0	51	9	33
Coastal Western Alaska	2.5	1.0	4.9	2.7	1.2	359	147	723	388	176
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	32	6	20
Northern Alaska Peninsula – east	8.4	1.4	14.7	8.5	3.8	1,233	209	2,141	1,235	551
Northern Alaska Peninsula – west	15.6	9.3	22.4	15.7	4.1	2,279	1,360	3,272	2,295	593
S. Alaska Pen./W. Kodiak I.	50.2	36.6	59.7	49.4	7.0	7,337	5,343	8,721	7,219	1,019
Kodiak	0.5	0.0	15.7	3.9	5.6	73	0	2,289	572	816
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	35	6	21
Prince William Sound	5.2	2.1	9.6	5.5	2.3	756	314	1,399	803	339
Southeast Alaska	1.8	0.0	5.2	2.0	1.7	266	0	756	295	247
BC/WA	5.6	3.0	8.9	5.7	1.8	816	440	1,294	836	261
								Total	14,604	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C23.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 2, 2025, gillnet (July 22–23; Harvest = 8,156; *n* = 190). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.3	0.0	1.6	0.5	0.5	27	0	130	41	44
Russia	0.9	0.0	3.0	1.2	1.0	76	1	249	95	80
Kotzebue Sound	0.0	0.0	0.3	0.0	0.2	0	0	23	4	13
Coastal Western Alaska	0.4	0.0	2.3	0.7	0.8	33	0	190	57	67
Upper Yukon River	0.0	0.0	0.3	0.0	0.2	0	0	23	4	13
Northern Alaska Peninsula – east	0.8	0.0	3.4	1.1	1.2	65	0	275	91	100
Northern Alaska Peninsula – west	3.4	0.1	7.8	3.6	2.3	279	12	637	297	187
S. Alaska Pen./W. Kodiak I.	69.2	56.7	83.5	69.4	8.0	5,641	4,625	6,807	5,662	650
Kodiak	17.1	3.4	29.5	17.1	7.6	1,397	276	2,405	1,392	623
Cook Inlet	0.9	0.2	2.5	1.1	0.7	71	16	207	86	60
Prince William Sound	0.3	0.0	3.5	0.9	1.2	23	0	282	71	99
Southeast Alaska	1.6	0.0	4.8	1.8	1.6	133	0	391	150	128
BC/WA	2.4	0.7	4.9	2.5	1.3	192	61	403	208	106
								Total	8,156	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C24.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July stratum 3, 2025, gillnet (July 26–31; Harvest = 4,404; *n* = 188). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.9	0.2	2.6	1.1	0.8	42	9	115	49	35
Russia	0.9	0.0	2.9	1.1	0.9	42	2	128	49	40
Kotzebue Sound	0.0	0.0	0.3	0.0	0.2	0	0	12	2	8
Coastal Western Alaska	0.0	0.0	0.3	0.1	0.2	0	0	13	2	8
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	9	2	5
Northern Alaska Peninsula – east	9.6	3.6	16.7	9.7	4.0	421	157	734	428	178
Northern Alaska Peninsula – west	9.8	0.0	18.2	9.5	5.3	430	1	800	419	233
S. Alaska Pen./W. Kodiak I.	56.7	41.2	69.4	56.1	8.5	2,495	1,813	3,057	2,471	373
Kodiak	18.7	9.8	32.0	19.5	6.7	823	431	1,408	859	293
Cook Inlet	0.0	0.0	0.2	0.0	0.2	0	0	8	2	7
Prince William Sound	0.0	0.0	2.7	0.5	1.0	0	0	119	21	44
Southeast Alaska	0.0	0.0	2.7	0.6	1.0	2	0	121	27	43
BC/WA	1.5	0.5	3.4	1.7	0.9	65	20	151	73	41
								Total	4,404	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C25.–Southeastern and South Central Districts, South Alaska Peninsula Area, August stratum 1, 2025, seine (August 3–8; Harvest = 82,828; *n* = 190). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.9	0.2	2.6	1.1	0.8	776	169	2,116	915	632
Russia	0.3	0.0	1.7	0.5	0.6	287	0	1,410	431	465
Kotzebue Sound	0.0	0.0	0.3	0.0	0.2	0	0	231	38	136
Coastal Western Alaska	0.0	0.0	0.3	0.0	0.1	0	0	210	37	124
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	183	34	117
Northern Alaska Peninsula – east	0.0	0.0	0.7	0.1	0.4	0	0	576	104	364
Northern Alaska Peninsula – west	0.0	0.0	1.8	0.3	0.7	1	0	1,498	248	585
S. Alaska Pen./W. Kodiak I.	61.6	48.9	74.3	61.7	7.8	51,017	40,520	61,564	51,084	6,475
Kodiak	32.8	20.3	46.0	33.0	7.9	27,133	16,822	38,136	27,359	6,547
Cook Inlet	0.4	0.0	1.7	0.6	0.6	350	27	1,369	480	457
Prince William Sound	0.3	0.0	4.3	1.1	1.6	229	0	3,536	896	1,285
Southeast Alaska	0.9	0.0	4.2	1.3	1.5	764	0	3,508	1,111	1,218
BC/WA	0.0	0.0	0.7	0.1	0.3	0	0	584	92	279
								Total	82,828	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C26.–Southeastern and South Central Districts, South Alaska Peninsula Area, August stratum 2, 2025, seine (August 9–September 7; Harvest = 94,309; *n* = 189). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.6	0.1	2.2	0.8	0.7	598	62	2,055	777	660
Russia	0.0	0.0	0.9	0.2	0.4	1	0	887	144	352
Kotzebue Sound	0.0	0.0	0.2	0.0	0.2	0	0	226	40	146
Coastal Western Alaska	0.0	0.0	0.3	0.0	0.2	0	0	238	44	156
Upper Yukon River	0.0	0.0	0.3	0.0	0.2	0	0	271	44	147
Northern Alaska Peninsula – east	0.0	0.0	0.5	0.1	0.4	0	0	467	91	367
Northern Alaska Peninsula – west	0.0	0.0	0.6	0.1	0.3	0	0	537	90	317
S. Alaska Pen./W. Kodiak I.	62.2	47.2	76.8	61.9	9.0	58,692	44,478	72,405	58,414	8,478
Kodiak	33.5	18.9	48.5	33.6	8.9	31,549	17,783	45,737	31,646	8,440
Cook Inlet	1.4	0.5	3.3	1.6	0.9	1,330	433	3,136	1,506	875
Prince William Sound	0.0	0.0	1.6	0.2	0.7	0	0	1,505	226	614
Southeast Alaska	0.0	0.0	1.0	0.2	0.5	0	0	987	164	486
BC/WA	1.0	0.2	2.8	1.2	0.8	953	165	2,603	1,123	788
								Total	94,309	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C27.–Southeastern and South Central Districts, South Alaska Peninsula Area, August, 2025, gillnet (August 3–September 7; Harvest = 13,139; n = 190). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.2	0.0	0.1	0	0	32	5	18
Russia	0.0	0.0	0.3	0.1	0.2	0	0	41	7	24
Kotzebue Sound	0.0	0.0	0.2	0.0	0.2	0	0	30	5	20
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	0	0	27	5	17
Upper Yukon River	0.0	0.0	0.2	0.0	0.2	0	0	32	6	21
Northern Alaska Peninsula – east	0.0	0.0	0.6	0.1	0.4	0	0	76	14	52
Northern Alaska Peninsula – west	0.0	0.0	0.7	0.1	0.3	0	0	93	15	45
S. Alaska Pen./W. Kodiak I.	75.8	62.2	87.1	75.5	7.5	9,963	8,168	11,443	9,922	982
Kodiak	21.4	10.3	34.8	21.7	7.4	2,810	1,352	4,568	2,855	970
Cook Inlet	1.9	0.7	4.1	2.1	1.0	247	91	541	271	137
Prince William Sound	0.0	0.0	0.6	0.1	0.4	0	0	81	15	51
Southeast Alaska	0.0	0.0	0.7	0.1	0.4	0	0	85	14	47
BC/WA	0.0	0.0	0.2	0.0	0.2	0	0	32	6	24
								Total	13,139	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C28.–Unimak and Southwestern Districts, South Alaska Peninsula Area, August, 2025, seine (August 3–September 8; Harvest = 115,514; *n* = 160). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.3	0.0	0.2	0	0	302	53	180
Russia	0.5	0.0	2.0	0.7	0.7	559	49	2,329	790	752
Kotzebue Sound	0.0	0.0	0.3	0.1	0.2	0	0	373	59	194
Coastal Western Alaska	0.0	0.0	0.3	0.1	0.2	0	0	331	59	229
Upper Yukon River	0.0	0.0	0.3	0.1	0.2	0	0	320	58	214
Northern Alaska Peninsula – east	0.4	0.0	7.4	1.8	2.6	405	0	8,591	2,069	3,037
Northern Alaska Peninsula – west	6.1	0.0	14.5	6.2	4.7	7,085	0	16,703	7,142	5,394
S. Alaska Pen./W. Kodiak I.	35.7	25.5	46.6	35.9	6.4	41,291	29,457	53,885	41,457	7,445
Kodiak	54.7	44.5	64.6	54.5	6.1	63,132	51,365	74,586	62,968	7,042
Cook Inlet	0.0	0.0	0.3	0.0	0.2	0	0	332	57	194
Prince William Sound	0.0	0.0	0.4	0.1	0.3	0	0	473	93	361
Southeast Alaska	0.2	0.0	2.1	0.6	0.7	284	0	2,385	639	856
BC/WA	0.0	0.0	0.3	0.1	0.2	0	0	377	70	227
								Total	115,514	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

Appendix C29.–Unimak and Southwestern Districts, South Alaska Peninsula Area, August, 2025, gillnet (August 3–27; Harvest = 13,099; *n* = 79). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval, mean and standard deviation (SD).

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.5	0.1	0.4	0	0	68	13	47
Russia	0.0	0.0	0.8	0.1	0.4	0	0	109	17	58
Kotzebue Sound	0.0	0.0	0.6	0.1	0.3	0	0	76	13	45
Coastal Western Alaska	0.0	0.0	0.6	0.1	0.4	0	0	82	14	50
Upper Yukon River	0.0	0.0	0.6	0.1	0.3	0	0	76	12	43
Northern Alaska Peninsula – east	0.0	0.0	0.9	0.2	0.8	0	0	124	26	99
Northern Alaska Peninsula – west	8.1	0.0	18.4	8.6	5.6	1,062	0	2,409	1,124	731
S. Alaska Pen./W. Kodiak I.	86.0	54.6	97.3	82.4	12.7	11,260	7,149	12,748	10,791	1,666
Kodiak	0.4	0.0	34.7	7.6	11.8	54	0	4,545	990	1,552
Cook Inlet	0.0	0.0	0.8	0.1	0.4	0	0	100	16	52
Prince William Sound	0.0	0.0	2.6	0.4	1.2	0	0	344	54	154
Southeast Alaska	0.0	0.0	0.7	0.1	0.5	0	0	97	17	65
BC/WA	0.0	0.0	0.6	0.1	0.4	0	0	82	14	47
								Total	13,099	

Note: Stock composition means may not sum to 100% and stock-specific harvest means may not sum to the total harvest due to rounding error.

APPENDIX D: STOCK COMPOSITION AND STOCK-SPECIFIC HARVEST AT LOWER-LEVEL STRATIFIED ESTIMATE LEVELS

Appendix D1.–Southeastern and South Central Districts, South Alaska Peninsula Area, June 2025, seine, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 66,479; 4 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	29.5	26.3	32.9	29.6	2.0	19,625	17,334	22,206	19,660	1,484
Russia	10.9	8.6	13.2	10.9	1.4	7,225	5,693	8,839	7,235	974
Kotzebue Sound	0.8	0.1	2.3	0.9	0.7	515	42	1,539	628	481
Coastal Western Alaska	13.8	11.2	16.3	13.8	1.5	9,147	7,438	10,878	9,145	1,049
Upper Yukon River	0.1	0.0	0.4	0.2	0.1	95	23	287	118	95
Northern Alaska Peninsula – east	0.5	0.0	1.9	0.7	0.6	326	15	1,293	441	417
Northern Alaska Peninsula – west	1.0	0.3	2.1	1.1	0.6	680	207	1,401	727	387
S. Alaska Pen./W. Kodiak I.	14.0	8.6	19.0	13.9	3.1	9,332	5,725	12,560	9,263	2,078
Kodiak	4.1	0.6	9.7	4.4	2.7	2,716	422	6,421	2,949	1,831
Cook Inlet	0.0	0.0	0.2	0.0	0.1	5	0	132	27	57
Prince William Sound	3.2	2.1	4.6	3.3	0.7	2,136	1,417	3,039	2,169	489
Southeast Alaska	0.9	0.1	2.0	1.0	0.6	588	100	1,364	646	397
BC/WA	20.2	17.4	23.4	20.3	1.8	13,432	11,518	15,596	13,471	1,249
								Total	66,479	

Note: Harvest is the number of chum salmon reported to have been harvested in the June seine fisheries of the Southeastern and South Central districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D2.–Southeastern and South Central Districts, South Alaska Peninsula Area, June 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 67,669; 5 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	29.0	25.9	32.4	29.1	2.0	19,629	17,269	22,149	19,679	1488.7
Russia	10.7	8.4	13.1	10.7	1.4	7,260	5,678	8,893	7,266	967.7
Kotzebue Sound	0.8	0.1	2.3	0.9	0.7	519	44	1,530	630	479.2
Coastal Western Alaska	13.6	11.2	16.2	13.7	1.5	9,213	7,478	11,009	9,239	1055.4
Upper Yukon River	0.1	0.0	0.4	0.2	0.1	95	23	293	118	95.2
Northern Alaska Peninsula – east	0.6	0.1	2.0	0.7	0.6	390	74	1,369	507	423.0
Northern Alaska Peninsula – west	1.0	0.3	2.1	1.1	0.6	681	217	1,422	733	389.1
S. Alaska Pen./W. Kodiak I.	14.3	9.0	19.2	14.2	3.0	9,716	6,133	12,969	9,640	2066.8
Kodiak	4.1	0.7	9.7	4.5	2.7	2,756	500	6,517	3,034	1835.0
Cook Inlet	0.0	0.0	0.2	0.1	0.1	22	5	140	40	57.4
Prince William Sound	3.8	2.7	5.1	3.8	0.7	2,556	1,828	3,444	2,594	493.2
Southeast Alaska	0.9	0.2	2.1	1.0	0.6	636	145	1,391	689	397.0
BC/WA	19.9	17.2	23.0	19.9	1.7	13,460	11,568	15,600	13,498	1234.6
								Total	67,669	

Note: Harvest is the number of chum salmon reported to have been harvested in the June fisheries of the Southeastern and South Central districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D3.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June 2025, seine, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 52,397; 4 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	20.5	17.9	23.2	20.5	1.6	10,746	9,340	12,214	10,763	892
Russia	7.5	5.8	9.6	7.6	1.1	3,934	3,085	5,074	3,980	594
Kotzebue Sound	0.5	0.0	1.6	0.6	0.6	244	2	868	311	309
Coastal Western Alaska	44.0	40.4	47.7	43.9	2.2	23,027	20,925	25,261	23,027	1,338
Upper Yukon River	1.1	0.3	2.2	1.2	0.6	580	155	1,172	613	314
Northern Alaska Peninsula – east	4.7	3.1	6.8	4.8	1.2	2,430	1,608	3,577	2,491	621
Northern Alaska Peninsula – west	3.7	2.4	5.2	3.7	0.9	1,933	1,242	2,744	1,955	459
S. Alaska Pen./W. Kodiak I.	0.6	0.0	1.6	0.7	0.5	323	9	863	365	270
Kodiak	1.2	0.3	2.4	1.3	0.7	622	173	1,275	660	342
Cook Inlet	0.0	0.0	0.2	0.0	0.1	5	0	107	21	41
Prince William Sound	0.5	0.1	1.4	0.6	0.4	280	60	737	322	212
Southeast Alaska	0.6	0.1	1.6	0.7	0.5	340	31	852	372	255
BC/WA	14.3	12.0	16.7	14.3	1.4	7,491	6,249	8,840	7,515	787
								Total	52,397	

Note: Harvest is the number of chum salmon reported to have been harvested in the June seine fisheries of the Unimak and Southwestern districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D4.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June 2025, gillnet, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 36,247; 3 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	12.3	9.5	15.5	12.4	1.8	4,488	3,421	5,649	4,497	671
Russia	6.2	4.2	8.9	6.4	1.4	2,267	1,526	3,252	2,309	523
Kotzebue Sound	1.7	0.0	7.1	2.5	2.3	616	9	2,589	896	843
Coastal Western Alaska	47.5	41.6	52.7	47.4	3.4	17,224	14,862	19,462	17,178	1,401
Upper Yukon River	0.8	0.0	2.4	0.9	0.8	280	3	858	335	272
Northern Alaska Peninsula – east	2.3	1.0	6.2	2.8	1.6	836	373	2,225	1,029	598
Northern Alaska Peninsula – west	2.6	0.8	5.4	2.8	1.4	949	298	1,971	1,016	520
S. Alaska Pen./W. Kodiak I.	3.3	1.4	6.3	3.5	1.5	1,209	506	2,276	1,274	549
Kodiak	0.4	0.0	3.6	1.0	1.3	148	2	1,314	358	455
Cook Inlet	0.0	0.0	0.2	0.0	0.1	2	0	74	14	35
Prince William Sound	2.7	1.7	4.0	2.7	0.7	969	610	1,458	993	262
Southeast Alaska	4.5	2.7	6.7	4.5	1.2	1,616	969	2,424	1,649	450
BC/WA	12.9	10.2	16.1	13.0	1.8	4,644	3,664	5,838	4,697	676
								Total	36,247	

Note: Harvest is the number of chum salmon reported to have been harvested in the June gillnet fisheries of the Unimak and Southwestern Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D5.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 88,590; 7 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	17.2	15.3	19.3	17.2	1.2	15,233	13,431	17,157	15,248	1,127
Russia	7.0	5.7	8.6	7.1	0.9	6,218	5,060	7,713	6,287	799
Kotzebue Sound	1.1	0.2	3.3	1.4	1.0	984	176	2,841	1,209	881
Coastal Western Alaska	45.4	42.2	48.4	45.4	1.9	40,171	36,951	43,258	40,175	1,911
Upper Yukon River	1.0	0.4	1.9	1.1	0.5	893	339	1,706	947	422
Northern Alaska Peninsula – east	3.9	2.6	5.7	4.0	0.9	3,414	2,312	5,021	3,517	835
Northern Alaska Peninsula – west	3.3	2.2	4.7	3.4	0.8	2,914	1,918	4,174	2,972	695
S. Alaska Pen./W. Kodiak I.	1.8	0.9	3.1	1.8	0.7	1,573	764	2,736	1,639	607
Kodiak	1.0	0.4	2.4	1.1	0.6	895	313	2,150	1,018	570
Cook Inlet	0.0	0.0	0.2	0.0	0.1	15	0	143	36	55
Prince William Sound	1.5	0.9	2.2	1.5	0.4	1,287	828	1,915	1,316	335
Southeast Alaska	2.2	1.4	3.3	2.3	0.6	1,980	1,231	2,915	2,021	515
BC/WA	13.7	11.9	15.7	13.8	1.1	12,152	10,545	14,013	12,204	1,059
								Total	88,590	

Note: Harvest is the number of chum salmon reported to have been harvested in the June fisheries of the Unimak and Southwestern Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D6.–Southeastern and South Central Districts, South Alaska Peninsula Area, July 2025, seine, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 300,777; 3 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2.1	1.2	3.4	2.2	0.7	6,204	3,658	10,293	6,469	2,015
Russia	1.8	0.8	3.2	1.9	0.7	5,407	2,374	9,749	5,635	2,245
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	18	0	710	140	292
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	18	0	697	144	344
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	13	0	618	115	262
Northern Alaska Peninsula – east	0.0	0.0	1.0	0.2	0.4	122	0	2,991	660	1,179
Northern Alaska Peninsula – west	0.3	0.0	1.2	0.4	0.4	851	7	3,721	1,238	1,258
S. Alaska Pen./W. Kodiak I.	58.8	48.8	68.5	58.9	6.1	176,493	145,556	207,766	177,063	19,068
Kodiak	26.6	17.1	36.8	26.6	6.0	79,323	51,089	111,856	79,997	18,254
Cook Inlet	4.6	3.2	6.5	4.7	1.0	13,977	9,713	19,705	14,190	3,054
Prince William Sound	0.1	0.0	0.9	0.2	0.3	195	0	2,782	633	1,006
Southeast Alaska	0.1	0.0	1.1	0.2	0.4	235	0	3,181	731	1,089
BC/WA	4.5	3.1	6.3	4.6	1.0	13,540	9,478	19,066	13,761	2,969
								Total	300,777	

Note: Harvest is the number of chum salmon reported to have been harvested in the July seine fisheries of the Southeastern and South Central Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D7.–Southeastern and South Central Districts, South Alaska Peninsula Area, July 2025, gillnet, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 22,422; 3 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.2	0.0	0.1	1	0	49	10	23
Russia	0.1	0.0	0.7	0.2	0.3	24	0	164	47	59
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	2	0	55	11	22
Coastal Western Alaska	0.0	0.0	0.4	0.1	0.2	4	0	94	20	34
Upper Yukon River	0.0	0.0	0.3	0.0	0.1	1	0	59	11	24
Northern Alaska Peninsula – east	0.2	0.0	1.2	0.3	0.4	37	0	261	73	94
Northern Alaska Peninsula – west	0.0	0.0	0.6	0.1	0.2	4	0	132	26	56
S. Alaska Pen./W. Kodiak I.	67.7	60.0	73.8	67.4	4.3	15,133	13,324	16,772	15,114	1,055
Kodiak	21.9	16.0	29.2	22.1	4.1	4,905	3,548	6,570	4,957	927
Cook Inlet	5.5	4.1	7.3	5.6	1.0	1,238	910	1,645	1,252	226
Prince William Sound	2.5	0.7	5.3	2.7	1.4	561	151	1,183	603	320
Southeast Alaska	0.0	0.0	0.7	0.2	0.3	7	0	165	35	63
BC/WA	1.1	0.5	2.1	1.2	0.5	242	101	481	262	115
								Total	22,422	

Note: Harvest is the number of chum salmon reported to have been harvested in the July gillnet fisheries of the Southeastern and South Central Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D8.–Southeastern and South Central Districts, South Alaska Peninsula Area, July 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 322,887; 6 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.9	1.1	3.2	2.0	0.6	6,201	3,649	10,160	6,467	2,003.4
Russia	1.7	0.8	3.0	1.8	0.7	5,447	2,432	9,741	5,678	2,248.0
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	35	0	718	151	292.1
Coastal Western Alaska	0.0	0.0	0.2	0.1	0.1	47	0	727	163	342.9
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	28	0	617	127	268.1
Northern Alaska Peninsula – east	0.1	0.0	1.0	0.2	0.4	236	3	3,165	735	1,189.4
Northern Alaska Peninsula – west	0.3	0.0	1.2	0.4	0.4	874	22	3,809	1,263	1,254.7
S. Alaska Pen./W. Kodiak I.	59.5	50.0	68.4	59.4	5.7	191,986	159,493	222,561	191,953	19,116.9
Kodiak	26.3	17.3	35.9	26.3	5.6	84,903	55,774	115,056	84,909	18,149.9
Cook Inlet	4.7	3.4	6.4	4.8	0.9	15,106	10,912	20,884	15,430	3,046.9
Prince William Sound	0.3	0.1	1.0	0.4	0.3	923	243	3,399	1,237	1,059.6
Southeast Alaska	0.1	0.0	1.0	0.2	0.3	274	2	3,229	768	1,095.6
BC/WA	4.3	3.0	6.0	4.3	0.9	13,731	9,565	19,094	14,008	2,991.1
								Total	322,887	

Note: Harvest is the number of chum salmon reported to have been harvested in the July fisheries of the Southeastern and South Central Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D9.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July 2025, seine, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 344,195; 3 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	22.2	19.0	25.6	22.2	2.0	76,371	64,642	88,990	76,573	7,386
Russia	11.5	8.9	14.6	11.6	1.8	39,464	30,275	50,329	39,941	6,263
Kotzebue Sound	1.4	0.7	2.5	1.5	0.6	4,870	2,241	8,615	5,090	2,006
Coastal Western Alaska	6.3	4.3	8.9	6.4	1.4	21,738	14,703	30,741	22,091	4,973
Upper Yukon River	2.3	0.9	3.8	2.3	0.9	7,945	3,017	13,054	7,973	3,066
Northern Alaska Peninsula – east	2.3	1.1	4.4	2.5	1.1	7,988	3,614	14,994	8,514	3,670
Northern Alaska Peninsula – west	1.7	0.8	3.4	1.9	0.8	5,995	2,584	11,563	6,416	2,808
S. Alaska Pen./W. Kodiak I.	21.4	16.9	25.7	21.5	2.6	73,897	57,915	89,211	73,855	9,443
Kodiak	2.3	0.2	6.9	2.8	2.0	8,036	575	23,609	9,527	7,016
Cook Inlet	0.5	0.2	1.2	0.6	0.3	1,733	594	4,111	1,956	1,122
Prince William Sound	0.5	0.0	1.5	0.6	0.5	1,844	71	5,263	2,145	1,647
Southeast Alaska	5.6	3.5	8.1	5.7	1.4	19,164	12,043	27,837	19,482	4,735
BC/WA	20.4	17.3	24.0	20.5	2.0	70,361	59,207	83,138	70,633	7,457
								Total	344,195	

Note: Harvest is the number of chum salmon reported to have been harvested in the July seine fisheries of the Unimak and Southwestern Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D10.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July 2025, gillnet, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 27,150; 3 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.6	0.7	2.9	1.7	0.7	427	199	798	455	187
Russia	2.6	1.4	4.2	2.6	0.9	696	369	1,135	719	241
Kotzebue Sound	0.0	0.0	0.3	0.1	0.1	2	0	75	15	36
Coastal Western Alaska	1.6	0.7	2.9	1.6	0.7	421	180	796	447	191
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	1	0	56	11	25
Northern Alaska Peninsula – east	6.5	2.5	10.1	6.5	2.2	1,761	684	2,764	1,753	609
Northern Alaska Peninsula – west	11.1	7.1	15.2	11.1	2.5	3,013	1,893	4,125	3,009	679
S. Alaska Pen./W. Kodiak I.	56.6	48.4	64.1	56.5	4.7	15,362	13,033	17,548	15,343	1,336
Kodiak	9.8	5.1	17.5	10.4	3.8	2,679	1,376	4,769	2,824	1,030
Cook Inlet	0.3	0.1	0.8	0.3	0.2	78	19	220	94	66
Prince William Sound	3.2	1.4	5.6	3.3	1.3	859	377	1,532	894	356
Southeast Alaska	1.6	0.2	3.7	1.7	1.0	442	68	1,011	471	284
BC/WA	4.0	2.6	6.0	4.1	1.1	1,087	702	1,632	1,116	290
								Total	27,150	

Note: Harvest is the number of chum salmon reported to have been harvested in the July seine fisheries of the Unimak and Southwestern Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D11.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 371,576; 6 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	20.7	17.7	23.8	20.7	1.9	76,822	65,272	89,220	77,060	7,315
Russia	10.9	8.4	13.7	10.9	1.6	40,259	31,027	51,413	40,686	6,187
Kotzebue Sound	1.3	0.6	2.3	1.4	0.5	4,937	2,264	8,637	5,096	2,002
Coastal Western Alaska	6.0	4.1	8.4	6.1	1.3	22,215	15,132	31,614	22,560	4,988
Upper Yukon River	2.1	0.8	3.5	2.1	0.8	7,927	2,997	13,089	7,984	3,057
Northern Alaska Peninsula – east	2.6	1.4	4.6	2.8	1.0	9,762	5,146	16,960	10,255	3,729
Northern Alaska Peninsula – west	2.5	1.4	4.0	2.5	0.8	9,074	5,366	14,816	9,421	2,887
S. Alaska Pen./W. Kodiak I.	24.1	19.7	28.0	24.0	2.5	89,423	73,130	104,929	89,301	9,602
Kodiak	2.9	0.9	7.1	3.3	1.9	10,893	3,276	26,507	12,369	7,184
Cook Inlet	0.5	0.2	1.1	0.6	0.3	1,841	686	4,181	2,053	1,126
Prince William Sound	0.7	0.3	1.7	0.8	0.5	2,749	943	6,219	3,040	1,701
Southeast Alaska	5.3	3.3	7.6	5.4	1.3	19,639	12,563	28,274	19,961	4,744
BC/WA	19.2	16.3	22.6	19.3	1.9	71,479	60,213	84,830	71,790	7,479
								Total	371,576	

Note: Harvest is the number of chum salmon reported to have been harvested in the July fisheries of the Unimak and Southwestern Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D12.–South Alaska Peninsula Area, July 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 693,678; 12 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	12.0	10.3	13.8	12.0	1.1	83,206	71,022	95,664	83,401	7,692
Russia	6.6	5.2	8.3	6.7	0.9	45,953	36,031	57,568	46,282	6,656
Kotzebue Sound	0.7	0.3	1.3	0.8	0.3	5,075	2,374	8,860	5,250	2,021
Coastal Western Alaska	3.2	2.2	4.5	3.3	0.7	22,350	15,127	31,405	22,686	5,002
Upper Yukon River	1.2	0.5	1.9	1.2	0.4	8,093	3,122	13,207	8,104	3,067
Northern Alaska Peninsula – east	1.5	0.8	2.6	1.6	0.6	10,467	5,599	17,821	10,989	3,921
Northern Alaska Peninsula – west	1.5	0.9	2.4	1.5	0.5	10,282	6,237	16,471	10,691	3,186
S. Alaska Pen./W. Kodiak I.	40.6	35.5	45.5	40.5	3.0	280,767	245,035	317,531	281,003	22,181
Kodiak	14.0	9.3	19.0	14.0	3.0	96,989	64,269	130,752	97,175	20,412
Cook Inlet	2.5	1.8	3.4	2.5	0.5	17,209	12,693	23,527	17,482	3,270
Prince William Sound	0.6	0.3	1.2	0.6	0.3	3,949	1,784	8,070	4,273	2,003
Southeast Alaska	3.0	1.9	4.2	3.0	0.7	20,493	13,230	29,119	20,699	4,788
BC/WA	12.3	10.6	14.2	12.3	1.1	85,333	73,160	99,274	85,643	7,808
								Total	693,678	

Note: Harvest is the number of chum salmon reported to have been harvested in the July fisheries of the South Alaska Peninsula Area. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D13.–Southeastern and South Central Districts, South Alaska Peninsula Area, August 2025, seine, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 177,186; 2 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.9	0.3	1.9	1.0	0.5	1,550	478	3,363	1,691	905
Russia	0.2	0.0	1.0	0.3	0.3	387	10	1,746	574	587
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	3	0	407	78	201
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	4	0	444	82	197
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	4	0	427	78	190
Northern Alaska Peninsula – east	0.0	0.0	0.6	0.1	0.3	9	0	1,128	196	511
Northern Alaska Peninsula – west	0.0	0.0	1.0	0.2	0.4	25	0	1,794	338	666
S. Alaska Pen./W. Kodiak I.	61.8	51.7	71.7	61.8	6.1	109,203	91,008	128,326	109,526	11,411
Kodiak	33.3	23.3	43.6	33.3	6.1	58,833	40,727	77,648	59,023	11,075
Cook Inlet	1.0	0.4	2.1	1.1	0.5	1,839	711	3,804	1,987	976
Prince William Sound	0.3	0.0	2.2	0.6	0.8	531	0	3,954	1,123	1,435
Southeast Alaska	0.5	0.0	2.2	0.7	0.7	938	0	3,826	1,274	1,320
BC/WA	0.6	0.1	1.6	0.7	0.5	1,039	192	2,901	1,216	836
								Total	177,186	

Note: Harvest is the number of chum salmon reported to have been harvested in the August seine fisheries of the Southeastern and South Central Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D14.–Southeastern and South Central Districts, South Alaska Peninsula Area, August 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 190,123; 3 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.8	0.3	1.8	0.9	0.5	1,553	478	3,383	1,695	901
Russia	0.2	0.0	0.9	0.3	0.3	396	13	1,752	581	587
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	9	0	420	83	202
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	10	0	445	86	195
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	9	0	431	84	193
Northern Alaska Peninsula – east	0.0	0.0	0.6	0.1	0.3	22	0	1,141	208	513
Northern Alaska Peninsula – west	0.0	0.0	0.9	0.2	0.4	53	0	1,776	355	675
S. Alaska Pen./W. Kodiak I.	62.8	53.3	72.1	62.8	5.7	118,990	101,131	138,992	119,316	11,430
Kodiak	32.4	23.0	42.0	32.5	5.7	61,764	43,335	80,330	61,816	11,116
Cook Inlet	1.1	0.5	2.1	1.2	0.5	2,110	943	4,056	2,255	989
Prince William Sound	0.3	0.0	2.1	0.6	0.7	554	0	3,994	1,137	1,429
Southeast Alaska	0.5	0.0	2.0	0.7	0.7	956	0	3,903	1,290	1,327
BC/WA	0.6	0.1	1.5	0.6	0.4	1,038	206	2,883	1,220	837
								Total	190,123	

Note: Harvest is the number of chum salmon reported to have been harvested in the August fisheries of the Southeastern and South Central Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D15.–Unimak and Southwestern Districts, South Alaska Peninsula Area, August 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 128,750; 2 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.3	0.1	0.1	2	0	348	66	186
Russia	0.4	0.0	1.8	0.6	0.6	568	63	2,341	809	757
Kotzebue Sound	0.0	0.0	0.3	0.1	0.2	3	0	392	72	200
Coastal Western Alaska	0.0	0.0	0.3	0.1	0.2	2	0	388	73	232
Upper Yukon River	0.0	0.0	0.3	0.1	0.2	2	0	345	70	217
Northern Alaska Peninsula – east	0.3	0.0	6.8	1.6	2.4	445	0	8,574	2,095	3,042
Northern Alaska Peninsula – west	6.3	0.5	13.9	6.4	4.2	8,103	686	17,940	8,273	5,453
S. Alaska Pen./W. Kodiak I.	40.6	31.3	50.2	40.6	5.9	52,136	39,790	65,123	52,292	7,888
Kodiak	49.8	40.5	58.9	49.7	5.6	63,984	51,232	76,982	64,041	7,825
Cook Inlet	0.0	0.0	0.3	0.1	0.2	4	0	364	72	200
Prince William Sound	0.0	0.0	0.6	0.1	0.3	8	0	758	146	382
Southeast Alaska	0.2	0.0	1.9	0.5	0.7	307	0	2,391	656	858
BC/WA	0.0	0.0	0.3	0.1	0.2	4	0	411	84	232
								Total	128,750	

Note: Harvest is the number of chum salmon reported to have been harvested in the August fisheries of the Unimak and Southwestern Districts. Harvest total may differ from totals in experimental design table due to rounding error.

Appendix D16.–South Alaska Peninsula Area, August 2025, all strata. Reporting group–specific stock composition and harvest estimates. Median, 90% credibility intervals, means, and SDs are reported.

	Proportions (%)					Harvest = 319,040; 5 Strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.5	0.2	1.1	0.6	0.3	1,619	528	3,483	1,764	924
Russia	0.4	0.1	1.0	0.4	0.3	1,168	272	3,254	1,390	952
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	44	0	695	155	284
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	45	0	696	159	299
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	45	0	690	154	288
Northern Alaska Peninsula – east	0.3	0.0	2.8	0.7	1.0	859	1	8,817	2,302	3,080
Northern Alaska Peninsula – west	2.7	0.3	5.7	2.7	1.7	8,420	869	18,291	8,618	5,508
S. Alaska Pen./W. Kodiak I.	53.6	47.1	60.8	53.8	4.2	171,019	149,758	194,993	171,750	14,227
Kodiak	39.6	32.6	46.3	39.5	4.2	126,227	103,458	148,935	125,881	13,808
Cook Inlet	0.7	0.3	1.3	0.7	0.3	2,167	981	4,168	2,332	1,017
Prince William Sound	0.2	0.0	1.3	0.4	0.5	733	2	4,218	1,283	1,472
Southeast Alaska	0.5	0.0	1.6	0.6	0.5	1,610	41	4,972	1,947	1,595
BC/WA	0.4	0.1	0.9	0.4	0.3	1,123	248	2,994	1,305	864
								Total	319,040	

Note: Harvest is the number of chum salmon reported to have been harvested in the August fisheries of the South Alaska Peninsula Area. Harvest total may differ from totals in experimental design table due to rounding error.

APPENDIX E: AGE AND LENGTH COMPOSITION AT LOWER-LEVEL STRATIFIED ESTIMATE LEVELS

Appendix E1.–Southeastern and South Central Districts, South Alaska Peninsula Area, June 2025, seine, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

Age class	Age composition					Length (mm) METF				
			90% CI					90% CI		
	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	26	1.4	0.9	1.8	0.3	26	476.3	465.2	487.4	34.3
0.3	1237	64.9	63.1	66.8	1.1	1237	547.0	545.3	548.7	36.9
0.4	615	32.3	30.5	34.1	1.1	615	581.8	579.4	584.2	36.0
0.5	25	1.3	0.9	1.8	0.3	25	575.3	564.6	585.9	32.3
0.6	2	0.1	0.0	0.3	0.1	2	579.5	554.0	605.0	21.9
Unknown						140	556.7	550.4	563.1	45.8
Total	1,905					2,045	557.6	556.1	559.1	41.4

Appendix E2.–Southeastern and South Central Districts, South Alaska Peninsula Area, June 2025, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

Age class	Age composition					Length (mm) METF				
			90% CI					90% CI		
	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	28	1.2	0.8	1.6	0.2	28	481.4	469.5	493.2	38.0
0.3	1592	67.3	65.7	68.9	1.0	1592	547.7	546.2	549.1	35.4
0.4	714	30.2	28.6	31.8	0.9	714	581.0	578.8	583.2	35.9
0.5	29	1.2	0.8	1.6	0.2	29	576.3	566.1	586.5	33.4
0.6	2	0.1	0.0	0.2	0.1	2	579.5	554.0	605.0	21.9
Unknown						190	554.6	549.5	559.7	42.9
Total	2,365					2,555	557.1	555.8	558.4	39.8

Appendix E3.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June 2025, seine, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	23	1.9	1.2	2.6	0.4	23	486.0	474.6	497.5	33.5
0.3	752	61.2	58.9	63.6	1.4	752	555.6	553.5	557.7	35.0
0.4	433	35.3	33.0	37.5	1.4	433	589.9	587.1	592.7	35.3
0.5	20	1.6	1.0	2.3	0.4	20	579.2	564.7	593.6	39.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						91	562.6	554.5	570.8	47.3
Total	1,228					1,319	566.5	564.7	568.4	40.7

Appendix E4.–Unimak and Southwestern districts, South Alaska Peninsula Area, June 2025, gillnet, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	12	1.3	0.6	1.9	0.4	12	521.2	501.2	541.2	42.1
0.3	664	70.9	68.4	73.4	1.5	664	552.6	550.7	554.4	29.4
0.4	252	26.9	24.5	29.3	1.4	252	574.7	571.8	577.7	28.6
0.5	9	1.0	0.4	1.5	0.3	9	580.3	559.4	601.3	38.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						63	551.4	545.1	557.7	30.3
Total	937					1,000	558.0	556.3	559.6	31.3

Appendix E5.–Unimak and Southwestern Districts, South Alaska Peninsula Area, June 2025, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	35	1.6	1.1	2.1	0.3	35	498.4	487.3	509.5	39.9
0.3	1,416	65.4	63.7	67.1	1.0	1,416	554.2	552.8	555.6	32.5
0.4	685	31.6	30.0	33.3	1.0	685	584.3	582.2	586.4	33.8
0.5	29	1.3	0.9	1.8	0.2	29	579.5	567.8	591.2	38.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						154	558.1	552.6	563.6	41.5
Total	2,165					2,319	562.8	561.6	564.1	37.2

Appendix E6.–Southeastern and South Central Districts, South Alaska Peninsula Area, July 2025, seine, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	57	4.4	3.4	5.4	0.6	57	457.6	449.3	466.0	38.2
0.3	1,138	88.0	86.5	89.5	0.9	1,138	547.0	545.3	548.8	36.0
0.4	94	7.3	6.0	8.5	0.7	94	590.1	583.7	596.5	37.9
0.5	3	0.2	0.0	0.5	0.1	3	625.7	553.9	697.4	75.5
0.6	1	0.1	0.0	0.2	0.1	1	568.0	568.0	568.0	–
Unknown						67	546.5	536.2	556.7	51.0
Total	1,293					1,360	546.4	544.5	548.3	43.0

Appendix E7.–Southeastern and South Central Districts, South Alaska Peninsula Area, July 2025, gillnet, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	4	0.6	0.0	1.1	0.3	4	506.0	491.3	520.7	17.8
0.3	660	90.8	88.9	92.6	1.1	660	554.3	552.4	556.1	28.9
0.4	60	8.3	6.5	10.0	1.0	60	581.2	573.7	588.7	35.3
0.5	3	0.4	0.0	0.9	0.2	3	582.0	577.9	586.1	4.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						58	557.6	552.3	562.9	24.6
Total	727					785	556.5	554.7	558.2	30.1

Appendix E8.–Southeastern and South Central Districts, South Alaska Peninsula Area, July 2025, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	61	3.0	2.4	3.7	0.4	61	460.8	452.6	469.0	39.0
0.3	1798	89.0	87.8	90.2	0.7	1798	549.7	548.4	551.0	33.7
0.4	154	7.6	6.6	8.6	0.6	154	586.6	581.7	591.6	37.0
0.5	6	0.3	0.1	0.5	0.1	6	603.8	567.9	639.8	53.5
0.6	1	0.0	0.0	0.2	0.0	1	568.0	568.0	568.0	–
Unknown						125	551.6	545.6	557.7	41.1
Total	2,020					2,145	550.1	548.7	551.5	39.1

Appendix E9.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July 2025, seine, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	268	18.8	17.0	20.5	1.0	268	460.7	457.7	463.7	29.7
0.3	1,079	75.6	73.7	77.5	1.1	1,079	542.6	540.4	544.8	43.6
0.4	80	5.6	4.6	6.6	0.6	80	573.8	564.2	583.3	51.9
0.5	1	0.1	0.0	0.2	0.1	1	520.0	520.0	520.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						132	532.3	524.6	540.0	53.9
Total	1,428					1,560	529.2	527.0	531.5	53.7

Appendix E10.–Unimak and Southwestern districts, South Alaska Peninsula Area, July 2025, gillnet, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	26	2.9	1.9	3.8	0.6	26	494.4	481.9	507.0	38.8
0.3	831	91.1	89.5	92.7	0.9	831	556.0	554.4	557.6	27.9
0.4	54	5.9	4.6	7.3	0.8	54	578.4	571.5	585.3	30.8
0.5	1	0.1	0.0	0.3	0.1	1	584.0	584.0	584.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						46	547.4	540.2	554.7	29.9
Total	912					958	555.2	553.6	556.8	30.7

Appendix E11.–Unimak and Southwestern Districts, South Alaska Peninsula Area, July 2025, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	294	12.6	11.4	13.7	0.7	294	463.7	460.6	466.7	32.0
0.3	1,910	81.6	80.3	83.0	0.8	1,910	548.4	547.0	549.9	38.2
0.4	134	5.7	4.9	6.5	0.5	134	575.6	569.3	582.0	44.5
0.5	2	0.1	0.0	0.2	0.1	2	552.0	499.3	604.7	45.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						178	536.2	530.1	542.3	49.2
Total	2,340					2,518	539.1	537.5	540.7	48.0

Appendix E12.–South Alaska Peninsula Area, July 2025, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	355	8.1	7.4	8.8	0.4	355	463.2	460.3	466.1	33.3
0.3	3,708	85.0	84.1	85.9	0.5	3,708	549.0	548.1	550.0	36.1
0.4	288	6.6	6.0	7.2	0.4	288	581.5	577.6	585.5	41.0
0.5	8	0.2	0.1	0.3	0.1	8	590.9	559.5	622.3	54.0
0.6	1	0.0	0.0	0.0	0.0	1	568.0	568.0	568.0	–
Unknown						303	542.6	538.2	547.0	46.6
Total	4,360					4,663	544.2	543.1	545.2	44.5

Appendix E13.–Southeastern and South Central Districts, South Alaska Peninsula Area, August 2025, seine, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

Age class	Age composition					Length (mm) METF				
			90% CI					90% CI		
	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	11	1.5	0.7	2.3	0.4	11	505.5	478.4	532.7	54.7
0.3	684	93.4	91.9	95.0	0.9	684	547.7	545.7	549.8	32.5
0.4	34	4.6	3.3	6.0	0.8	34	587.2	573.6	600.7	47.9
0.5	3	0.4	0.0	0.9	0.2	3	548.7	524.1	573.2	25.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						67	541.5	535.1	547.9	31.9
Total	732					799	548.3	546.3	550.3	34.9

Appendix E14.–Southeastern and South Central Districts, South Alaska Peninsula Area, August 2025, gillnet, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

Age class	Age composition					Length (mm) METF				
			90% CI					90% CI		
	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	1	0.3	0.0	1.1	0.3	1	556.0	556.0	556.0	–
0.3	262	90.3	87.3	93.4	1.7	262	556.8	553.9	559.7	28.2
0.4	27	9.3	6.3	12.3	1.7	27	573.7	565.0	582.4	27.4
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						26	552.7	544.6	560.8	25.0
Total	290					316	557.9	555.3	560.5	28.2

Appendix E15.–Southeastern and South Central Districts, South Alaska Peninsula Area, August 2025, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age Composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	12	1.2	0.6	1.8	0.3	12	509.8	484.0	535.5	54.2
0.3	946	92.6	91.2	94.0	0.8	946	550.2	548.5	551.9	31.6
0.4	61	6.0	4.7	7.2	0.7	61	581.2	572.7	589.7	40.4
0.5	3	0.3	0.0	0.6	0.2	3	548.7	524.2	573.2	25.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						93	544.6	539.4	549.8	30.4
Total	1,022					1,115	551.0	549.4	552.7	33.4

Appendix E16.–Unimak and Southwestern Districts, South Alaska Peninsula Area, August 2025, seine, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	4	2.7	0.1	5.2	1.3	4	494.0	482.8	505.2	13.6
0.3	140	93.3	89.6	97.0	2.0	140	558.0	553.5	562.5	32.0
0.4	6	4.0	1.0	7.0	1.6	6	577.8	555.9	599.8	32.5
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						10	561.3	547.5	575.1	26.4
Total	150					160	557.4	553.0	561.7	33.0

Appendix E17.–Unimak and Southwestern Districts, South Alaska Peninsula Area, August 2025, gillnet, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	2	2.5	0.0	6.0	1.8	2	503.0	498.0	508.0	4.2
0.3	77	96.3	92.1	100.4	2.1	77	560.4	555.3	565.5	26.9
0.4	1	1.3	0.0	4.0	1.3	1	546.0	546.0	546.0	–
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						0	–	–	–	–
Total	80					80	558.8	553.6	563.9	27.9

Appendix E18.–Unimak and Southwestern Districts, South Alaska Peninsula Area, August 2025, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	6	2.6	0.7	4.6	1.1	6	497.0	489.1	504.9	11.7
0.3	217	94.3	91.6	97.1	1.5	217	558.8	555.5	562.2	30.2
0.4	7	3.0	1.0	5.1	1.1	7	573.3	553.3	593.3	32.0
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						10	561.3	547.5	575.1	26.4
Total	230					240	557.8	554.5	561.2	31.3

Appendix E19.–South Alaska Peninsula area, August 2025, all strata. Estimates of age composition and mean length (mid-eye to tail fork in mm; METF), 90% confidence interval (CI), and standard deviation (SD).

Age class	Age composition					Length (mm) METF				
			90% CI					90% CI		
	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	18	1.4	0.8	2.0	0.3	18	505.5	488.2	522.8	44.5
0.3	1,163	92.9	91.7	94.1	0.7	1,163	551.8	550.3	553.4	31.5
0.4	68	5.4	4.3	6.5	0.6	68	580.4	572.5	588.3	39.5
0.5	3	0.2	0.0	0.5	0.1	3	548.7	524.2	573.2	25.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						103	546.2	541.3	551.2	30.3
Total	1,252					1,355	552.2	550.7	553.7	33.1

APPENDIX F: STOCK-SPECIFIC ESTIMATES OF STOCK COMPOSITION AND STOCK-SPECIFIC HARVEST AT INDIVIDUAL STRATA LEVEL

Appendix F1.–Japan, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	SE/SC	Seine	June 1	20.3	15.6	25.2	20.4	3.0	1,040	799	1,292	1,043	151
Japan	SE/SC	Seine	June 2	26.5	21.4	32.1	26.6	3.2	2,192	1,768	2,654	2,197	268
Japan	SE/SC	Seine	June 3	35.9	30.1	41.7	35.9	3.6	11,244	9,415	13,053	11,235	1,117
Japan	SE/SC	Seine	June 4	23.6	18.9	29.0	23.8	3.1	5,138	4,098	6,296	5,167	665
Japan	SE/SC	Seine	July 1	3.6	1.8	6.5	3.8	1.4	4,161	2,101	7,519	4,426	1,645
Japan	SE/SC	Seine	July 2	0.9	0.2	2.6	1.1	0.8	1,331	307	3,606	1,557	1,069
Japan	SE/SC	Seine	July 3	0.9	0.2	2.6	1.1	0.8	403	86	1,133	481	330
Japan	SE/SC	Seine	August 1	0.9	0.2	2.6	1.1	0.8	776	169	2,116	915	632
Japan	SE/SC	Seine	August 2	0.6	0.1	2.2	0.8	0.7	598	62	2,055	777	660
Japan	SE/SC	Gillnet	June gillnet	1.5	0.4	3.4	1.7	0.9	18	5	40	19	11
Japan	SE/SC	Gillnet	July 1	0.0	0.0	0.3	0.0	0.2	0	0	26	4	15
Japan	SE/SC	Gillnet	July 2	0.0	0.0	0.3	0.0	0.2	0	0	12	2	7
Japan	SE/SC	Gillnet	July 3	0.0	0.0	0.2	0.0	0.2	0	0	20	4	15
Japan	SE/SC	Gillnet	August gillnet	0.0	0.0	0.2	0.0	0.1	0	0	32	5	18
Japan	Un/SW	Seine	June 1	26.1	21.2	31.7	26.3	3.2	4,149	3,372	5,028	4,172	502
Japan	Un/SW	Seine	June 2	19.3	15.2	24.4	19.4	2.8	3,989	3,135	5,050	4,016	589
Japan	Un/SW	Seine	June 3	15.3	11.3	20.0	15.4	2.6	1,935	1,422	2,520	1,945	332
Japan	Un/SW	Seine	June 4	19.2	14.8	24.4	19.4	2.9	605	465	769	609	92
Japan	Un/SW	Seine	July 1	30.4	25.0	36.1	30.5	3.5	33,447	27,542	39,798	33,599	3,800
Japan	Un/SW	Seine	July 2	20.9	16.2	25.9	21.0	3.0	38,593	29,895	47,845	38,773	5,543
Japan	Un/SW	Seine	July 3	8.3	5.4	12.2	8.5	2.1	4,076	2,670	6,010	4,175	1,024
Japan	Un/SW	Seine	August seine	0.0	0.0	0.3	0.0	0.2	0	0	302	53	180
Japan	Un/SW	Gillnet	June 1	10.0	6.7	13.7	10.1	2.2	901	605	1,237	910	194
Japan	Un/SW	Gillnet	June 2	14.2	10.2	18.6	14.3	2.6	3,439	2,487	4,511	3,461	621
Japan	Un/SW	Gillnet	June 3	4.1	2.2	6.7	4.2	1.4	119	64	197	123	41
Japan	Un/SW	Gillnet	July 1	2.3	0.9	4.8	2.5	1.2	338	131	694	366	179
Japan	Un/SW	Gillnet	July 2	0.3	0.0	1.6	0.5	0.5	27	0	130	41	44
Japan	Un/SW	Gillnet	July 3	0.9	0.2	2.6	1.1	0.8	42	9	115	49	35
Japan	Un/SW	Gillnet	August gillnet	0.0	0.0	0.5	0.1	0.4	0	0	68	13	47

Appendix F2.–Russia, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting Group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Russia	SE/SC	Seine	June 1	14.0	10.0	18.8	14.1	2.7	717	512	963	723	137
Russia	SE/SC	Seine	June 2	7.9	5.0	11.5	8.0	2.0	656	414	952	665	166
Russia	SE/SC	Seine	June 3	11.0	7.4	15.2	11.1	2.4	3,438	2,303	4,773	3,480	759
Russia	SE/SC	Seine	June 4	10.7	7.1	15.2	10.9	2.4	2,331	1,553	3,311	2,364	529
Russia	SE/SC	Seine	July 1	3.0	1.0	6.3	3.3	1.6	3,509	1,182	7,270	3,793	1,882
Russia	SE/SC	Seine	July 2	0.9	0.1	2.6	1.1	0.8	1,291	163	3,620	1,565	1,161
Russia	SE/SC	Seine	July 3	0.4	0.0	1.9	0.6	0.6	197	10	813	277	269
Russia	SE/SC	Seine	August 1	0.3	0.0	1.7	0.5	0.6	287	0	1,410	431	465
Russia	SE/SC	Seine	August 2	0.0	0.0	0.9	0.2	0.4	1	0	887	144	352
Russia	SE/SC	Gillnet	June gillnet	2.2	0.6	4.9	2.4	1.3	26	7	57	28	16
Russia	SE/SC	Gillnet	July 1	0.1	0.0	1.4	0.3	0.5	6	0	132	30	47
Russia	SE/SC	Gillnet	July 2	0.0	0.0	1.3	0.2	0.5	0	0	56	8	23
Russia	SE/SC	Gillnet	July 3	0.0	0.0	0.6	0.1	0.3	0	0	51	8	26
Russia	SE/SC	Gillnet	August gillnet	0.0	0.0	0.3	0.1	0.2	0	0	41	7	24
Russia	Un/SW	Seine	June 1	5.8	3.3	9.2	6.0	1.8	926	518	1,465	950	291
Russia	Un/SW	Seine	June 2	6.1	3.4	10.0	6.3	2.0	1,266	704	2,065	1,303	409
Russia	Un/SW	Seine	June 3	10.2	6.9	14.5	10.4	2.3	1,293	877	1,831	1,317	294
Russia	Un/SW	Seine	June 4	12.7	9.0	17.5	12.9	2.6	399	283	550	405	81
Russia	Un/SW	Seine	July 1	11.5	7.6	16.5	11.7	2.7	12,645	8,405	18,135	12,895	2,992
Russia	Un/SW	Seine	July 2	13.5	9.4	18.6	13.7	2.8	25,001	17,450	34,361	25,361	5,183
Russia	Un/SW	Seine	July 3	3.2	1.5	6.0	3.4	1.4	1,568	716	2,967	1,668	693
Russia	Un/SW	Seine	August seine	0.5	0.0	2.0	0.7	0.7	559	49	2,329	790	752
Russia	Un/SW	Gillnet	June 1	6.6	3.9	10.5	6.8	2.0	598	348	948	618	183
Russia	Un/SW	Gillnet	June 2	6.2	3.5	10.0	6.4	2.0	1,507	857	2,433	1,561	478
Russia	Un/SW	Gillnet	June 3	4.2	2.2	7.3	4.4	1.6	124	64	214	130	46
Russia	Un/SW	Gillnet	July 1	3.7	1.8	6.6	3.9	1.5	547	261	966	575	219
Russia	Un/SW	Gillnet	July 2	0.9	0.0	3.0	1.2	1.0	76	1	249	95	80
Russia	Un/SW	Gillnet	July 3	0.9	0.0	2.9	1.1	0.9	42	2	128	49	40
Russia	Un/SW	Gillnet	August gillnet	0.0	0.0	0.8	0.1	0.4	0	0	109	17	58

Appendix F3.–Kotzebue Sound, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kotzebue Sound	SE/SC	Seine	June 1	0.2	0.0	7.0	1.8	2.5	12	0	356	93	127
Kotzebue Sound	SE/SC	Seine	June 2	0.7	0.0	6.1	1.8	2.2	62	0	503	151	183
Kotzebue Sound	SE/SC	Seine	June 3	0.7	0.0	3.8	1.1	1.3	216	0	1,196	353	407
Kotzebue Sound	SE/SC	Seine	June 4	0.0	0.0	0.8	0.1	0.4	0	0	183	30	87
Kotzebue Sound	SE/SC	Seine	July 1	0.0	0.0	0.3	0.0	0.1	0	0	291	47	168
Kotzebue Sound	SE/SC	Seine	July 2	0.0	0.0	0.3	0.0	0.2	0	0	440	70	222
Kotzebue Sound	SE/SC	Seine	July 3	0.0	0.0	0.3	0.1	0.2	0	0	120	22	84
Kotzebue Sound	SE/SC	Seine	August 1	0.0	0.0	0.3	0.0	0.2	0	0	231	38	136
Kotzebue Sound	SE/SC	Seine	August 2	0.0	0.0	0.2	0.0	0.2	0	0	226	40	146
Kotzebue Sound	SE/SC	Gillnet	June gillnet	0.0	0.0	1.4	0.3	0.5	0	0	17	3	6
Kotzebue Sound	SE/SC	Gillnet	July 1	0.0	0.0	0.2	0.0	0.1	0	0	22	4	13
Kotzebue Sound	SE/SC	Gillnet	July 2	0.0	0.0	0.3	0.0	0.1	0	0	13	2	6
Kotzebue Sound	SE/SC	Gillnet	July 3	0.0	0.0	0.4	0.1	0.2	0	0	32	5	18
Kotzebue Sound	SE/SC	Gillnet	August gillnet	0.0	0.0	0.2	0.0	0.2	0	0	30	5	20
Kotzebue Sound	Un/SW	Seine	June 1	0.0	0.0	0.4	0.1	0.3	0	0	67	12	45
Kotzebue Sound	Un/SW	Seine	June 2	0.0	0.0	2.4	0.4	1.2	0	0	501	87	238
Kotzebue Sound	Un/SW	Seine	June 3	1.3	0.0	4.3	1.5	1.4	163	0	539	193	178
Kotzebue Sound	Un/SW	Seine	June 4	0.0	0.0	3.9	0.6	1.6	0	0	123	19	49
Kotzebue Sound	Un/SW	Seine	July 1	2.8	0.9	5.7	3.0	1.5	3,103	975	6,303	3,297	1,646
Kotzebue Sound	Un/SW	Seine	July 2	0.0	0.0	0.7	0.1	0.4	0	0	1,247	215	711
Kotzebue Sound	Un/SW	Seine	July 3	3.0	0.9	6.3	3.2	1.7	1,470	436	3,074	1,573	826
Kotzebue Sound	Un/SW	Seine	August seine	0.0	0.0	0.3	0.1	0.2	0	0	373	59	194
Kotzebue Sound	Un/SW	Gillnet	June 1	1.5	0.0	5.4	1.9	1.8	139	0	484	176	167
Kotzebue Sound	Un/SW	Gillnet	June 2	1.6	0.0	9.7	2.9	3.4	399	0	2,366	696	818
Kotzebue Sound	Un/SW	Gillnet	June 3	0.0	0.0	5.9	0.8	2.1	0	0	173	23	62
Kotzebue Sound	Un/SW	Gillnet	July 1	0.0	0.0	0.3	0.1	0.2	0	0	51	9	33
Kotzebue Sound	Un/SW	Gillnet	July 2	0.0	0.0	0.3	0.0	0.2	0	0	23	4	13
Kotzebue Sound	Un/SW	Gillnet	July 3	0.0	0.0	0.3	0.0	0.2	0	0	12	2	8
Kotzebue Sound	Un/SW	Gillnet	August gillnet	0.0	0.0	0.6	0.1	0.3	0	0	76	13	45

Appendix F4.–Coastal Western Alaska, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Coastal Western Alaska	SE/SC	Seine	June 1	22.7	16.7	28.9	22.7	3.8	1,161	853	1,476	1,161	195
Coastal Western Alaska	SE/SC	Seine	June 2	24.5	18.6	31.0	24.6	3.8	2,024	1,540	2,568	2,032	310
Coastal Western Alaska	SE/SC	Seine	June 3	11.4	7.7	16.0	11.6	2.5	3,570	2,411	5,016	3,620	795
Coastal Western Alaska	SE/SC	Seine	June 4	10.6	7.1	14.8	10.7	2.4	2,299	1,541	3,223	2,326	516
Coastal Western Alaska	SE/SC	Seine	July 1	0.0	0.0	0.2	0.0	0.1	0	0	254	45	169
Coastal Western Alaska	SE/SC	Seine	July 2	0.0	0.0	0.3	0.1	0.2	0	0	415	79	293
Coastal Western Alaska	SE/SC	Seine	July 3	0.0	0.0	0.3	0.0	0.2	0	0	111	20	67
Coastal Western Alaska	SE/SC	Seine	August 1	0.0	0.0	0.3	0.0	0.1	0	0	210	37	124
Coastal Western Alaska	SE/SC	Seine	August 2	0.0	0.0	0.3	0.0	0.2	0	0	238	44	156
Coastal Western Alaska	SE/SC	Gillnet	June gillnet	7.6	4.4	11.9	7.8	2.3	89	51	139	91	27
Coastal Western Alaska	SE/SC	Gillnet	July 1	0.0	0.0	0.5	0.1	0.2	0	0	52	8	23
Coastal Western Alaska	SE/SC	Gillnet	July 2	0.0	0.0	0.3	0.0	0.2	0	0	11	2	7
Coastal Western Alaska	SE/SC	Gillnet	July 3	0.0	0.0	0.8	0.1	0.3	0	0	65	10	25
Coastal Western Alaska	SE/SC	Gillnet	August gillnet	0.0	0.0	0.2	0.0	0.1	0	0	27	5	17
Coastal Western Alaska	Un/SW	Seine	June 1	48.5	41.9	55.1	48.5	4.0	7,708	6,652	8,741	7,697	629
Coastal Western Alaska	Un/SW	Seine	June 2	42.8	35.9	49.6	42.7	4.1	8,846	7,407	10,251	8,828	848
Coastal Western Alaska	Un/SW	Seine	June 3	44.1	37.5	50.5	44.1	4.0	5,565	4,735	6,377	5,572	501
Coastal Western Alaska	Un/SW	Seine	June 4	28.4	21.9	34.6	28.3	3.9	893	689	1,089	891	122
Coastal Western Alaska	Un/SW	Seine	July 1	8.7	4.7	14.5	9.0	3.0	9,583	5,226	15,987	9,922	3,308
Coastal Western Alaska	Un/SW	Seine	July 2	6.1	3.3	9.4	6.1	1.9	11,206	6,006	17,397	11,354	3,486
Coastal Western Alaska	Un/SW	Seine	July 3	1.3	0.0	4.5	1.7	1.5	654	0	2,233	813	735
Coastal Western Alaska	Un/SW	Seine	August seine	0.0	0.0	0.3	0.1	0.2	0	0	331	59	229
Coastal Western Alaska	Un/SW	Gillnet	June 1	38.6	31.8	45.0	38.5	4.0	3,483	2,868	4,056	3,472	359
Coastal Western Alaska	Un/SW	Gillnet	June 2	49.4	40.8	57.0	49.2	4.9	11,994	9,904	13,830	11,947	1,193
Coastal Western Alaska	Un/SW	Gillnet	June 3	59.8	51.9	66.3	59.5	4.4	1,754	1,522	1,945	1,744	128
Coastal Western Alaska	Un/SW	Gillnet	July 1	2.5	1.0	4.9	2.7	1.2	359	147	723	388	176
Coastal Western Alaska	Un/SW	Gillnet	July 2	0.4	0.0	2.3	0.7	0.8	33	0	190	57	67
Coastal Western Alaska	Un/SW	Gillnet	July 3	0.0	0.0	0.3	0.1	0.2	0	0	13	2	8
Coastal Western Alaska	Un/SW	Gillnet	August gillnet	0.0	0.0	0.6	0.1	0.4	0	0	82	14	50

Appendix F5.–Upper Yukon River, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Upper Yukon River	SE/SC	Seine	June 1	1.4	0.3	3.4	1.6	1.0	72	17	176	81	51
Upper Yukon River	SE/SC	Seine	June 2	0.0	0.0	0.2	0.0	0.1	0	0	19	3	12
Upper Yukon River	SE/SC	Seine	June 3	0.0	0.0	0.3	0.1	0.2	0	0	108	16	58
Upper Yukon River	SE/SC	Seine	June 4	0.0	0.0	0.5	0.1	0.2	0	0	103	17	54
Upper Yukon River	SE/SC	Seine	July 1	0.0	0.0	0.2	0.0	0.1	0	0	224	42	152
Upper Yukon River	SE/SC	Seine	July 2	0.0	0.0	0.2	0.0	0.1	0	0	269	56	210
Upper Yukon River	SE/SC	Seine	July 3	0.0	0.0	0.2	0.0	0.1	0	0	96	17	63
Upper Yukon River	SE/SC	Seine	August 1	0.0	0.0	0.2	0.0	0.1	0	0	183	34	117
Upper Yukon River	SE/SC	Seine	August 2	0.0	0.0	0.3	0.0	0.2	0	0	271	44	147
Upper Yukon River	SE/SC	Gillnet	June gillnet	0.0	0.0	0.3	0.0	0.2	0	0	3	1	2
Upper Yukon River	SE/SC	Gillnet	July 1	0.0	0.0	0.3	0.0	0.2	0	0	24	5	17
Upper Yukon River	SE/SC	Gillnet	July 2	0.0	0.0	0.3	0.0	0.2	0	0	12	2	7
Upper Yukon River	SE/SC	Gillnet	July 3	0.0	0.0	0.3	0.1	0.2	0	0	22	4	16
Upper Yukon River	SE/SC	Gillnet	August gillnet	0.0	0.0	0.2	0.0	0.2	0	0	32	6	21
Upper Yukon River	Un/SW	Seine	June 1	3.1	0.6	6.6	3.3	1.8	495	93	1,056	525	290
Upper Yukon River	Un/SW	Seine	June 2	0.0	0.0	0.4	0.1	0.2	0	0	85	13	45
Upper Yukon River	Un/SW	Seine	June 3	0.0	0.0	1.9	0.4	0.7	3	0	239	48	87
Upper Yukon River	Un/SW	Seine	June 4	0.5	0.0	2.5	0.8	0.9	16	0	79	25	27
Upper Yukon River	Un/SW	Seine	July 1	4.6	0.1	8.0	4.4	2.3	5,041	147	8,836	4,889	2,514
Upper Yukon River	Un/SW	Seine	July 2	1.4	0.2	3.3	1.5	1.0	2,542	352	6,167	2,837	1,795
Upper Yukon River	Un/SW	Seine	July 3	0.2	0.0	1.9	0.5	0.7	100	0	923	241	329
Upper Yukon River	Un/SW	Seine	August seine	0.0	0.0	0.3	0.1	0.2	0	0	320	58	214
Upper Yukon River	Un/SW	Gillnet	June 1	0.1	0.0	1.8	0.4	0.6	10	0	160	37	56
Upper Yukon River	Un/SW	Gillnet	June 2	1.0	0.0	3.4	1.2	1.1	239	0	815	296	267
Upper Yukon River	Un/SW	Gillnet	June 3	0.0	0.0	0.3	0.0	0.2	0	0	8	1	5
Upper Yukon River	Un/SW	Gillnet	July 1	0.0	0.0	0.2	0.0	0.1	0	0	32	6	20
Upper Yukon River	Un/SW	Gillnet	July 2	0.0	0.0	0.3	0.0	0.2	0	0	23	4	13
Upper Yukon River	Un/SW	Gillnet	July 3	0.0	0.0	0.2	0.0	0.1	0	0	9	2	5
Upper Yukon River	Un/SW	Gillnet	August gillnet	0.0	0.0	0.6	0.1	0.3	0	0	76	12	43

Appendix F6.–Northern Alaska Peninsula – east, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC= Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen - east	SE/SC	Seine	June 1	0.1	0.0	2.2	0.5	0.8	3	0	111	26	41
N. AK Pen - east	SE/SC	Seine	June 2	0.0	0.0	3.1	0.7	1.2	1	0	259	55	97
N. AK Pen - east	SE/SC	Seine	June 3	0.5	0.0	2.7	0.8	0.9	147	0	846	245	296
N. AK Pen - east	SE/SC	Seine	June 4	0.0	0.0	3.1	0.5	1.3	0	0	681	115	284
N. AK Pen - east	SE/SC	Seine	July 1	0.0	0.0	0.7	0.1	0.4	0	0	763	125	430
N. AK Pen - east	SE/SC	Seine	July 2	0.0	0.0	1.4	0.3	0.7	1	0	2,045	355	982
N. AK Pen - east	SE/SC	Seine	July 3	0.0	0.0	3.0	0.4	1.2	0	0	1,337	179	542
N. AK Pen - east	SE/SC	Seine	August 1	0.0	0.0	0.7	0.1	0.4	0	0	576	104	364
N. AK Pen - east	SE/SC	Seine	August 2	0.0	0.0	0.5	0.1	0.4	0	0	467	91	367
N. AK Pen - east	SE/SC	Gillnet	June gillnet	5.1	1.1	11.7	5.6	3.2	60	13	136	65	38
N. AK Pen - east	SE/SC	Gillnet	July 1	0.2	0.0	2.5	0.6	0.9	21	0	242	63	90
N. AK Pen - east	SE/SC	Gillnet	July 2	0.0	0.0	0.6	0.1	0.4	0	0	26	4	16
N. AK Pen - east	SE/SC	Gillnet	July 3	0.0	0.0	0.4	0.1	0.3	0	0	31	6	25
N. AK Pen - east	SE/SC	Gillnet	August gillnet	0.0	0.0	0.6	0.1	0.4	0	0	76	14	52
N. AK Pen - east	Un/SW	Seine	June 1	1.8	0.1	5.2	2.2	1.6	291	21	821	343	254
N. AK Pen - east	Un/SW	Seine	June 2	2.5	0.4	6.8	2.9	2.1	508	77	1,411	598	434
N. AK Pen - east	Un/SW	Seine	June 3	9.2	5.2	14.0	9.3	2.7	1,159	658	1,766	1,177	338
N. AK Pen - east	Un/SW	Seine	June 4	11.5	6.7	17.5	11.8	3.2	362	211	551	370	102
N. AK Pen - east	Un/SW	Seine	July 1	2.4	0.0	6.4	2.7	2.0	2,668	0	7,031	2,999	2,198
N. AK Pen - east	Un/SW	Seine	July 2	0.0	0.0	3.6	0.7	1.3	12	0	6,650	1,232	2,472
N. AK Pen - east	Un/SW	Seine	July 3	8.5	4.2	14.0	8.7	3.0	4,180	2,059	6,866	4,271	1,484
N. AK Pen - east	Un/SW	Seine	August seine	0.4	0.0	7.4	1.8	2.6	405	0	8,591	2,069	3,037
N. AK Pen - east	Un/SW	Gillnet	June 1	3.2	1.0	7.5	3.6	2.1	284	91	678	322	185
N. AK Pen - east	Un/SW	Gillnet	June 2	0.8	0.0	6.5	1.8	2.3	205	0	1,579	444	559
N. AK Pen - east	Un/SW	Gillnet	June 3	8.7	4.5	14.1	8.9	3.0	256	132	415	262	87
N. AK Pen - east	Un/SW	Gillnet	July 1	8.4	1.4	14.7	8.5	3.8	1,233	209	2,141	1,235	551
N. AK Pen - east	Un/SW	Gillnet	July 2	0.8	0.0	3.4	1.1	1.2	65	0	275	91	100
N. AK Pen - east	Un/SW	Gillnet	July 3	9.6	3.6	16.7	9.7	4.0	421	157	734	428	178
N. AK Pen - east	Un/SW	Gillnet	August gillnet	0.0	0.0	0.9	0.2	0.8	0	0	124	26	99

Appendix F7.–Northern Alaska Peninsula – west, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting Group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen - west	SE/SC	Seine	June 1	0.0	0.0	0.3	0.1	0.2	0	0	16	3	10
N. AK Pen - west	SE/SC	Seine	June 2	0.3	0.0	2.5	0.6	0.9	21	0	203	54	74
N. AK Pen - west	SE/SC	Seine	June 3	1.9	0.5	4.2	2.1	1.2	598	153	1,311	657	376
N. AK Pen - west	SE/SC	Seine	June 4	0.0	0.0	0.3	0.1	0.3	0	0	76	14	57
N. AK Pen - west	SE/SC	Seine	July 1	0.0	0.0	0.5	0.1	0.3	0	0	620	108	345
N. AK Pen - west	SE/SC	Seine	July 2	0.0	0.0	1.3	0.2	0.5	0	0	1,773	277	751
N. AK Pen - west	SE/SC	Seine	July 3	1.1	0.0	6.5	1.9	2.2	490	0	2,843	852	964
N. AK Pen - west	SE/SC	Seine	August 1	0.0	0.0	1.8	0.3	0.7	1	0	1,498	248	585
N. AK Pen - west	SE/SC	Seine	August 2	0.0	0.0	0.6	0.1	0.3	0	0	537	90	317
N. AK Pen - west	SE/SC	Gillnet	June gillnet	0.0	0.0	2.4	0.5	0.9	0	0	28	5	10
N. AK Pen - west	SE/SC	Gillnet	July 1	0.0	0.0	0.5	0.1	0.3	0	0	50	9	31
N. AK Pen - west	SE/SC	Gillnet	July 2	0.0	0.0	1.4	0.2	0.8	0	0	60	9	33
N. AK Pen - west	SE/SC	Gillnet	July 3	0.0	0.0	0.5	0.1	0.4	0	0	39	8	32
N. AK Pen - west	SE/SC	Gillnet	August gillnet	0.0	0.0	0.7	0.1	0.3	0	0	93	15	45
N. AK Pen - west	Un/SW	Seine	June 1	1.2	0.0	3.5	1.4	1.1	184	0	560	216	177
N. AK Pen - west	Un/SW	Seine	June 2	3.0	1.1	6.0	3.2	1.6	615	222	1,248	661	324
N. AK Pen - west	Un/SW	Seine	June 3	7.4	4.4	11.3	7.5	2.1	939	554	1,426	952	262
N. AK Pen - west	Un/SW	Seine	June 4	3.6	0.8	8.2	3.9	2.3	112	25	257	123	72
N. AK Pen - west	Un/SW	Seine	July 1	4.2	1.8	7.8	4.4	1.9	4,641	1,945	8,610	4,894	2,043
N. AK Pen - west	Un/SW	Seine	July 2	0.4	0.0	2.8	0.8	1.0	673	0	5,180	1,414	1,860
N. AK Pen - west	Un/SW	Seine	July 3	0.0	0.0	1.2	0.2	0.7	0	0	597	102	337
N. AK Pen - west	Un/SW	Seine	August seine	6.1	0.0	14.5	6.2	4.7	7,085	0	16,703	7,142	5,394
N. AK Pen - west	Un/SW	Gillnet	June 1	2.3	0.0	5.9	2.4	1.9	208	0	531	216	175
N. AK Pen - west	Un/SW	Gillnet	June 2	2.0	0.0	5.8	2.3	2.0	484	0	1,416	552	489
N. AK Pen - west	Un/SW	Gillnet	June 3	8.4	4.5	12.8	8.5	2.5	247	132	374	248	73
N. AK Pen - west	Un/SW	Gillnet	July 1	15.6	9.3	22.4	15.7	4.1	2,279	1,360	3,272	2,295	593
N. AK Pen - west	Un/SW	Gillnet	July 2	3.4	0.1	7.8	3.6	2.3	279	12	637	297	187
N. AK Pen - west	Un/SW	Gillnet	July 3	9.8	0.0	18.2	9.5	5.3	430	1	800	419	233
N. AK Pen - west	Un/SW	Gillnet	August gillnet	8.1	0.0	18.4	8.6	5.6	1,062	0	2,409	1,124	731

Appendix F8.– South Alaska Peninsula (S. AK Pen.)/West Kodiak Island (W. Kodiak I.), all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
S. AK Pen./W. Kodiak I.	SE/SC	Seine	June 1	6.2	2.8	10.4	6.4	2.4	320	142	535	328	122
S. AK Pen./W. Kodiak I.	SE/SC	Seine	June 2	9.8	1.1	17.5	9.6	4.8	811	95	1,443	791	398
S. AK Pen./W. Kodiak I.	SE/SC	Seine	June 3	10.2	0.0	16.4	9.0	5.3	3,181	0	5,133	2,806	1,657
S. AK Pen./W. Kodiak I.	SE/SC	Seine	June 4	24.8	14.3	34.2	24.6	6.0	5,380	3,104	7,432	5,341	1,304
S. AK Pen./W. Kodiak I.	SE/SC	Seine	July 1	60.6	44.6	75.2	60.2	9.7	69,909	51,467	86,796	69,511	11,211
S. AK Pen./W. Kodiak I.	SE/SC	Seine	July 2	54.0	38.0	68.0	53.6	9.1	76,258	53,646	96,121	75,719	12,892
S. AK Pen./W. Kodiak I.	SE/SC	Seine	July 3	71.7	56.4	91.1	72.3	10.0	31,508	24,792	40,014	31,761	4,404
S. AK Pen./W. Kodiak I.	SE/SC	Seine	August 1	61.6	48.9	74.3	61.7	7.8	51,017	40,520	61,564	51,084	6,475
S. AK Pen./W. Kodiak I.	SE/SC	Seine	August 2	62.2	47.2	76.8	61.9	9.0	58,692	44,478	72,405	58,414	8,478
S. AK Pen./W. Kodiak I.	SE/SC	Gillnet	June gillnet	31.3	20.4	41.5	31.2	6.4	365	238	484	364	75
S. AK Pen./W. Kodiak I.	SE/SC	Gillnet	July 1	86.3	73.8	92.5	85.1	5.8	8,336	7,131	8,931	8,222	557
S. AK Pen./W. Kodiak I.	SE/SC	Gillnet	July 2	53.4	41.4	65.9	53.4	7.5	2,213	1,718	2,731	2,215	310
S. AK Pen./W. Kodiak I.	SE/SC	Gillnet	July 3	54.3	40.7	67.4	54.3	8.2	4,696	3,521	5,829	4,692	709
S. AK Pen./W. Kodiak I.	SE/SC	Gillnet	August gillnet	75.8	62.2	87.1	75.5	7.5	9,963	8,168	11,443	9,922	982
S. AK Pen./W. Kodiak I.	Un/SW	Seine	June 1	1.4	0.0	4.1	1.6	1.4	220	0	655	248	216
S. AK Pen./W. Kodiak I.	Un/SW	Seine	June 2	0.0	0.0	1.3	0.2	0.6	0	0	264	42	133
S. AK Pen./W. Kodiak I.	Un/SW	Seine	June 3	0.0	0.0	0.7	0.1	0.4	0	0	93	14	47
S. AK Pen./W. Kodiak I.	Un/SW	Seine	June 4	0.8	0.0	6.3	1.9	2.3	25	0	198	59	72
S. AK Pen./W. Kodiak I.	Un/SW	Seine	July 1	0.0	0.0	4.1	0.9	1.5	20	0	4,566	956	1,657
S. AK Pen./W. Kodiak I.	Un/SW	Seine	July 2	28.3	20.4	35.2	28.2	4.5	52,319	37,671	65,079	52,147	8,243
S. AK Pen./W. Kodiak I.	Un/SW	Seine	July 3	42.3	30.1	52.8	42.2	6.9	20,792	14,783	25,942	20,712	3,390
S. AK Pen./W. Kodiak I.	Un/SW	Seine	August seine	35.7	25.5	46.6	35.9	6.4	41,291	29,457	53,885	41,457	7,445
S. AK Pen./W. Kodiak I.	Un/SW	Gillnet	June 1	7.0	3.5	11.7	7.2	2.5	633	314	1,056	653	229
S. AK Pen./W. Kodiak I.	Un/SW	Gillnet	June 2	2.1	0.0	6.1	2.3	2.1	506	0	1,481	570	498
S. AK Pen./W. Kodiak I.	Un/SW	Gillnet	June 3	0.8	0.0	6.2	1.7	2.1	25	0	182	50	62
S. AK Pen./W. Kodiak I.	Un/SW	Gillnet	July 1	50.2	36.6	59.7	49.4	7.0	7,337	5,343	8,721	7,219	1,019
S. AK Pen./W. Kodiak I.	Un/SW	Gillnet	July 2	69.2	56.7	83.5	69.4	8.0	5,641	4,625	6,807	5,662	650
S. AK Pen./W. Kodiak I.	Un/SW	Gillnet	July 3	56.7	41.2	69.4	56.1	8.5	2,495	1,813	3,057	2,471	373
S. AK Pen./W. Kodiak I.	Un/SW	Gillnet	August gillnet	86.0	54.6	97.3	82.4	12.7	11,260	7,149	12,748	10,791	1,666

Appendix F9.–Kodiak, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

Reporting group	Area	Gear	Stratum	Proportions (%)					Harvest				
					90% CI					90% CI			
				Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kodiak	SE/SC	Seine	June 1	0.9	0.1	5.0	1.5	1.6	45	3	258	77	84
Kodiak	SE/SC	Seine	June 2	2.4	0.0	11.9	3.7	4.1	196	0	984	306	341
Kodiak	SE/SC	Seine	June 3	0.9	0.0	14.0	3.8	5.0	294	0	4,383	1,201	1,552
Kodiak	SE/SC	Seine	June 4	5.7	0.2	15.3	6.3	4.9	1,249	36	3,333	1,363	1,072
Kodiak	SE/SC	Seine	July 1	15.7	3.4	32.4	16.6	9.5	18,160	3,972	37,440	19,139	10,934
Kodiak	SE/SC	Seine	July 2	36.5	22.6	52.5	36.9	9.0	51,648	31,938	74,178	52,086	12,790
Kodiak	SE/SC	Seine	July 3	20.8	0.0	35.0	19.9	9.6	9,126	1	15,365	8,760	4,231
Kodiak	SE/SC	Seine	August 1	32.8	20.3	46.0	33.0	7.9	27,133	16,822	38,136	27,359	6,547
Kodiak	SE/SC	Seine	August 2	33.5	18.9	48.5	33.6	8.9	31,549	17,783	45,737	31,646	8,440
Kodiak	SE/SC	Gillnet	June gillnet	6.9	0.4	15.0	7.1	4.6	81	4	175	83	53
Kodiak	SE/SC	Gillnet	July 1	0.6	0.0	14.2	3.6	5.2	56	0	1,375	344	502
Kodiak	SE/SC	Gillnet	July 2	31.6	19.7	44.3	31.7	7.4	1,312	817	1,838	1,315	305
Kodiak	SE/SC	Gillnet	July 3	38.2	25.1	51.1	38.2	8.0	3,303	2,172	4,417	3,305	693
Kodiak	SE/SC	Gillnet	August gillnet	21.4	10.3	34.8	21.7	7.4	2,810	1,352	4,568	2,855	970
Kodiak	Un/SW	Seine	June 1	0.0	0.0	1.3	0.2	0.6	0	0	213	33	91
Kodiak	Un/SW	Seine	June 2	2.2	0.0	5.2	2.3	1.5	446	2	1,069	483	315
Kodiak	Un/SW	Seine	June 3	0.0	0.0	0.5	0.1	0.3	0	0	63	11	40
Kodiak	Un/SW	Seine	June 4	4.1	0.0	8.9	4.2	2.7	131	0	280	132	86
Kodiak	Un/SW	Seine	July 1	2.4	0.0	6.0	2.5	2.0	2,640	0	6,567	2,733	2,158
Kodiak	Un/SW	Seine	July 2	0.0	0.0	8.9	1.9	3.1	76	0	16,422	3,481	5,752
Kodiak	Un/SW	Seine	July 3	6.1	0.0	18.1	6.7	6.5	2,990	0	8,914	3,312	3,215
Kodiak	Un/SW	Seine	August seine	54.7	44.5	64.6	54.5	6.1	63,132	51,365	74,586	62,968	7,042
Kodiak	Un/SW	Gillnet	June 1	0.0	0.0	1.2	0.2	0.6	0	0	105	17	52
Kodiak	Un/SW	Gillnet	June 2	0.0	0.0	5.0	1.1	1.9	4	0	1,224	268	451
Kodiak	Un/SW	Gillnet	June 3	2.1	0.0	6.4	2.5	2.1	62	0	187	74	62
Kodiak	Un/SW	Gillnet	July 1	0.5	0.0	15.7	3.9	5.6	73	0	2,289	572	816
Kodiak	Un/SW	Gillnet	July 2	17.1	3.4	29.5	17.1	7.6	1,397	276	2,405	1,392	623
Kodiak	Un/SW	Gillnet	July 3	18.7	9.8	32.0	19.5	6.7	823	431	1,408	859	293
Kodiak	Un/SW	Gillnet	August gillnet	0.4	0.0	34.7	7.6	11.8	54	0	4,545	990	1,552

Appendix F10.–Cook Inlet, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

Reporting group	Area	Gear	Stratum	Proportions (%)					Harvest				
					90% CI					90% CI			
				Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Cook Inlet	SE/SC	Seine	June 1	0.0	0.0	0.3	0.0	0.2	0	0	13	2	8
Cook Inlet	SE/SC	Seine	June 2	0.0	0.0	0.2	0.0	0.1	0	0	19	3	11
Cook Inlet	SE/SC	Seine	June 3	0.0	0.0	0.2	0.0	0.1	0	0	75	13	46
Cook Inlet	SE/SC	Seine	June 4	0.0	0.0	0.2	0.0	0.1	0	0	47	9	32
Cook Inlet	SE/SC	Seine	July 1	5.9	3.5	9.1	6.0	1.7	6,848	3,982	10,538	6,976	2,005
Cook Inlet	SE/SC	Seine	July 2	4.6	2.6	7.5	4.8	1.5	6,464	3,624	10,614	6,733	2,175
Cook Inlet	SE/SC	Seine	July 3	0.9	0.2	2.5	1.1	0.7	413	90	1,112	480	329
Cook Inlet	SE/SC	Seine	August 1	0.4	0.0	1.7	0.6	0.6	350	27	1,369	480	457
Cook Inlet	SE/SC	Seine	August 2	1.4	0.5	3.3	1.6	0.9	1,330	433	3,136	1,506	875
Cook Inlet	SE/SC	Gillnet	June gillnet	0.9	0.2	2.5	1.1	0.8	11	2	30	13	9
Cook Inlet	SE/SC	Gillnet	July 1	3.7	1.8	6.3	3.8	1.4	353	169	604	363	132
Cook Inlet	SE/SC	Gillnet	July 2	13.1	9.0	17.8	13.2	2.7	542	372	737	547	112
Cook Inlet	SE/SC	Gillnet	July 3	3.8	1.8	6.9	4.0	1.6	329	152	592	343	135
Cook Inlet	SE/SC	Gillnet	August gillnet	1.9	0.7	4.1	2.1	1.0	247	91	541	271	137
Cook Inlet	Un/SW	Seine	June 1	0.0	0.0	0.2	0.0	0.1	0	0	33	6	21
Cook Inlet	Un/SW	Seine	June 2	0.0	0.0	0.2	0.0	0.2	0	0	51	9	32
Cook Inlet	Un/SW	Seine	June 3	0.0	0.0	0.2	0.0	0.1	0	0	31	5	16
Cook Inlet	Un/SW	Seine	June 4	0.0	0.0	0.3	0.1	0.2	0	0	9	2	5
Cook Inlet	Un/SW	Seine	July 1	0.0	0.0	0.2	0.0	0.1	0	0	240	41	144
Cook Inlet	Un/SW	Seine	July 2	0.4	0.0	1.6	0.6	0.5	747	56	3,002	1,036	984
Cook Inlet	Un/SW	Seine	July 3	1.6	0.5	3.7	1.8	1.0	772	252	1,807	879	501
Cook Inlet	Un/SW	Seine	August seine	0.0	0.0	0.3	0.0	0.2	0	0	332	57	194
Cook Inlet	Un/SW	Gillnet	June 1	0.0	0.0	0.2	0.0	0.2	0	0	21	4	14
Cook Inlet	Un/SW	Gillnet	June 2	0.0	0.0	0.2	0.0	0.1	0	0	56	9	32
Cook Inlet	Un/SW	Gillnet	June 3	0.0	0.0	0.2	0.0	0.1	0	0	7	1	4
Cook Inlet	Un/SW	Gillnet	July 1	0.0	0.0	0.2	0.0	0.1	0	0	35	6	21
Cook Inlet	Un/SW	Gillnet	July 2	0.9	0.2	2.5	1.1	0.7	71	16	207	86	60
Cook Inlet	Un/SW	Gillnet	July 3	0.0	0.0	0.2	0.0	0.2	0	0	8	2	7
Cook Inlet	Un/SW	Gillnet	August gillnet	0.0	0.0	0.8	0.1	0.4	0	0	100	16	52

Appendix F11.–Prince William Sound, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
PWS	SE/SC	Seine	June 1	4.9	2.4	8.7	5.2	1.9	253	124	446	265	99
PWS	SE/SC	Seine	June 2	8.3	4.6	13.0	8.4	2.5	685	379	1,073	696	208
PWS	SE/SC	Seine	June 3	0.0	0.0	0.5	0.1	0.3	0	0	152	28	105
PWS	SE/SC	Seine	June 4	5.3	2.6	8.8	5.4	1.9	1,148	571	1,920	1,181	410
PWS	SE/SC	Seine	July 1	0.0	0.0	1.0	0.2	0.5	0	0	1,101	184	579
PWS	SE/SC	Seine	July 2	0.0	0.0	1.2	0.2	0.5	0	0	1,666	267	729
PWS	SE/SC	Seine	July 3	0.0	0.0	2.3	0.4	0.9	2	0	1,021	184	388
PWS	SE/SC	Seine	August 1	0.3	0.0	4.3	1.1	1.6	229	0	3,536	896	1,285
PWS	SE/SC	Seine	August 2	0.0	0.0	1.6	0.2	0.7	0	0	1,505	226	614
PWS	SE/SC	Gillnet	June gillnet	36.1	29.0	43.6	36.2	4.4	421	339	508	422	51
PWS	SE/SC	Gillnet	July 1	4.0	0.9	8.2	4.2	2.2	389	90	789	407	217
PWS	SE/SC	Gillnet	July 2	0.0	0.0	1.9	0.3	0.8	0	0	77	11	32
PWS	SE/SC	Gillnet	July 3	0.9	0.0	7.6	2.1	2.7	76	0	658	185	232
PWS	SE/SC	Gillnet	August gillnet	0.0	0.0	0.6	0.1	0.4	0	0	81	15	51
PWS	Un/SW	Seine	June 1	0.0	0.0	0.4	0.1	0.2	0	0	69	11	33
PWS	Un/SW	Seine	June 2	0.1	0.0	2.2	0.5	0.8	15	0	459	105	161
PWS	Un/SW	Seine	June 3	1.3	0.2	3.6	1.5	1.0	168	26	459	193	132
PWS	Un/SW	Seine	June 4	0.0	0.0	2.1	0.4	0.8	0	0	65	13	24
PWS	Un/SW	Seine	July 1	0.0	0.0	1.0	0.2	0.5	0	0	1,052	170	515
PWS	Un/SW	Seine	July 2	0.0	0.0	1.4	0.2	0.6	1	0	2,523	406	1,110
PWS	Un/SW	Seine	July 3	3.0	0.0	7.1	3.2	2.2	1,473	0	3,492	1,565	1,071
PWS	Un/SW	Seine	August seine	0.0	0.0	0.4	0.1	0.3	0	0	473	93	361
PWS	Un/SW	Gillnet	June 1	9.5	5.9	14.1	9.7	2.6	860	530	1,273	878	231
PWS	Un/SW	Gillnet	June 2	0.0	0.0	1.0	0.2	0.5	0	0	253	39	112
PWS	Un/SW	Gillnet	June 3	2.4	0.7	5.3	2.6	1.4	71	20	155	76	42
PWS	Un/SW	Gillnet	July 1	5.2	2.1	9.6	5.5	2.3	756	314	1,399	803	339
PWS	Un/SW	Gillnet	July 2	0.3	0.0	3.5	0.9	1.2	23	0	282	71	99
PWS	Un/SW	Gillnet	July 3	0.0	0.0	2.7	0.5	1.0	0	0	119	21	44
PWS	Un/SW	Gillnet	August gillnet	0.0	0.0	2.6	0.4	1.2	0	0	344	54	154

Appendix F12.–Southeast Alaska, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
SEAK	SE/SC	Seine	June 1	1.9	0.4	4.3	2.1	1.2	97	22	219	105	61
SEAK	SE/SC	Seine	June 2	0.0	0.0	0.6	0.1	0.4	0	0	47	9	31
SEAK	SE/SC	Seine	June 3	1.4	0.0	3.8	1.6	1.2	448	0	1,180	504	375
SEAK	SE/SC	Seine	June 4	0.0	0.0	0.8	0.1	0.4	0	0	164	26	80
SEAK	SE/SC	Seine	July 1	0.0	0.0	1.9	0.3	0.7	3	0	2,235	387	816
SEAK	SE/SC	Seine	July 2	0.0	0.0	1.1	0.2	0.5	2	0	1,619	294	690
SEAK	SE/SC	Seine	July 3	0.0	0.0	0.8	0.1	0.4	0	0	334	52	166
SEAK	SE/SC	Seine	August 1	0.9	0.0	4.2	1.3	1.5	764	0	3,508	1,111	1,218
SEAK	SE/SC	Seine	August 2	0.0	0.0	1.0	0.2	0.5	0	0	987	164	486
SEAK	SE/SC	Gillnet	June gillnet	3.6	1.2	7.2	3.8	1.9	42	14	84	45	22
SEAK	SE/SC	Gillnet	July 1	0.0	0.0	1.1	0.2	0.5	0	0	103	18	47
SEAK	SE/SC	Gillnet	July 2	0.0	0.0	0.8	0.1	0.5	0	0	35	6	20
SEAK	SE/SC	Gillnet	July 3	0.0	0.0	0.8	0.1	0.4	0	0	69	12	38
SEAK	SE/SC	Gillnet	August gillnet	0.0	0.0	0.7	0.1	0.4	0	0	85	14	47
SEAK	Un/SW	Seine	June 1	0.0	0.0	1.6	0.3	0.6	2	0	253	54	97
SEAK	Un/SW	Seine	June 2	1.1	0.0	3.3	1.3	1.1	236	0	689	276	228
SEAK	Un/SW	Seine	June 3	0.0	0.0	1.1	0.2	0.4	0	0	141	25	55
SEAK	Un/SW	Seine	June 4	0.1	0.0	2.2	0.5	0.8	3	0	69	16	25
SEAK	Un/SW	Seine	July 1	7.7	3.6	12.3	7.8	2.6	8,437	3,954	13,510	8,543	2,877
SEAK	Un/SW	Seine	July 2	3.5	1.2	7.0	3.7	1.8	6,471	2,185	12,863	6,838	3,345
SEAK	Un/SW	Seine	July 3	8.1	3.6	13.7	8.3	3.1	3,988	1,765	6,727	4,091	1,504
SEAK	Un/SW	Seine	August seine	0.2	0.0	2.1	0.6	0.7	284	0	2,385	639	856
SEAK	Un/SW	Gillnet	June 1	4.4	2.0	8.1	4.6	1.9	397	178	734	419	175
SEAK	Un/SW	Gillnet	June 2	4.9	2.5	7.8	5.0	1.6	1,180	617	1,891	1,208	399
SEAK	Un/SW	Gillnet	June 3	0.1	0.0	3.0	0.7	1.1	3	0	88	21	31
SEAK	Un/SW	Gillnet	July 1	1.8	0.0	5.2	2.0	1.7	266	0	756	295	247
SEAK	Un/SW	Gillnet	July 2	1.6	0.0	4.8	1.8	1.6	133	0	391	150	128
SEAK	Un/SW	Gillnet	July 3	0.0	0.0	2.7	0.6	1.0	2	0	121	27	43
SEAK	Un/SW	Gillnet	August gillnet	0.0	0.0	0.7	0.1	0.5	0	0	97	17	65

Appendix F13.–BC/WA, all strata. Reporting group–specific stock composition and harvest estimates among areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals, means, and SDs are reported.

				Proportions (%)					Harvest				
					90% CI					90% CI			
Reporting group	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
BC/WA	SE/SC	Seine	June 1	23.5	18.7	29.1	23.6	3.1	1,203	959	1,488	1,210	161
BC/WA	SE/SC	Seine	June 2	15.7	11.6	20.4	15.8	2.6	1,301	962	1,688	1,308	218
BC/WA	SE/SC	Seine	June 3	22.7	17.8	28.2	22.9	3.2	7,112	5,588	8,827	7,163	990
BC/WA	SE/SC	Seine	June 4	17.3	13.1	22.0	17.4	2.8	3,764	2,837	4,790	3,779	598
BC/WA	SE/SC	Seine	July 1	9.0	5.9	13.0	9.2	2.2	10,366	6,866	15,061	10,637	2,533
BC/WA	SE/SC	Seine	July 2	1.5	0.4	3.3	1.6	0.9	2,062	621	4,679	2,276	1,297
BC/WA	SE/SC	Seine	July 3	1.7	0.5	4.1	1.9	1.2	733	231	1,821	840	515
BC/WA	SE/SC	Seine	August 1	0.0	0.0	0.7	0.1	0.3	0	0	584	92	279
BC/WA	SE/SC	Seine	August 2	1.0	0.2	2.8	1.2	0.8	953	165	2,603	1,123	788
BC/WA	SE/SC	Gillnet	June gillnet	2.0	0.7	4.3	2.2	1.1	24	8	50	26	13
BC/WA	SE/SC	Gillnet	July 1	1.7	0.5	3.8	1.9	1.0	164	49	365	181	99
BC/WA	SE/SC	Gillnet	July 2	0.3	0.0	1.8	0.5	0.6	13	0	76	22	27
BC/WA	SE/SC	Gillnet	July 3	0.5	0.1	1.9	0.7	0.6	43	4	166	59	54
BC/WA	SE/SC	Gillnet	August gillnet	0.0	0.0	0.2	0.0	0.2	0	0	32	6	24
BC/WA	Un/SW	Seine	June 1	10.0	6.8	14.0	10.1	2.3	1,584	1,086	2,226	1,610	362
BC/WA	Un/SW	Seine	June 2	20.4	15.9	25.4	20.5	2.9	4,221	3,278	5,245	4,239	598
BC/WA	Un/SW	Seine	June 3	9.1	6.0	13.2	9.3	2.1	1,153	758	1,665	1,170	266
BC/WA	Un/SW	Seine	June 4	15.2	11.2	19.8	15.3	2.6	478	353	622	482	82
BC/WA	Un/SW	Seine	July 1	22.7	17.5	28.6	22.9	3.4	25,015	19,279	31,493	25,195	3,766
BC/WA	Un/SW	Seine	July 2	21.3	16.7	26.7	21.5	3.1	39,344	30,894	49,338	39,671	5,688
BC/WA	Un/SW	Seine	July 3	11.4	7.2	17.1	11.7	3.0	5,586	3,554	8,421	5,733	1,471
BC/WA	Un/SW	Seine	August seine	0.0	0.0	0.3	0.1	0.2	0	0	377	70	227
BC/WA	Un/SW	Gillnet	June 1	14.2	10.4	18.7	14.4	2.5	1,285	935	1,689	1,295	229
BC/WA	Un/SW	Gillnet	June 2	13.1	9.4	17.6	13.3	2.5	3,189	2,282	4,267	3,220	600
BC/WA	Un/SW	Gillnet	June 3	5.9	3.4	9.4	6.1	1.8	174	100	276	179	53
BC/WA	Un/SW	Gillnet	July 1	5.6	3.0	8.9	5.7	1.8	816	440	1,294	836	261
BC/WA	Un/SW	Gillnet	July 2	2.4	0.7	4.9	2.5	1.3	192	61	403	208	106
BC/WA	Un/SW	Gillnet	July 3	1.5	0.5	3.4	1.7	0.9	65	20	151	73	41
BC/WA	Un/SW	Gillnet	August gillnet	0.0	0.0	0.6	0.1	0.4	0	0	82	14	47