Fishery Data Series No. 25-63

Genetic Stock Composition of Chum Salmon Harvested in Commercial Salmon Fisheries of the South Alaska Peninsula, 2022–2024

by

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

Symbols and Abbreviations

The following symbols and abbreviations, and others approved for the Système International d'Unités (SI), are used without definition in the following reports by the Divisions of Sport Fish and of Commercial Fisheries: Fishery Manuscripts, Fishery Data Series Reports, Fishery Management Reports, and Special Publications. All others, including deviations from definitions listed below, are noted in the text at first mention, as well as in the titles or footnotes of tables, and in figures or figure captions.

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 during 2022–2026. This report contains the results from the first 3 years of this study. Genetic, age, and size samples were collected from June through August 2022–2024, with temporal, spatial, and gear type stratification. A total of 43,843 samples representing annual harvests averaging 837,039 were collected in 84 strata defined by time, area, and gear type. Of 44,642 chum salmon sampled for length, mid eye to tail fork lengths averaged 556 mm (range: 299–798 mm). A total of 40,218 chum salmon were successfully aged, with age-0.3 being the most common (63.3%). A total of 29,767 samples (averaging 1 of every 84 fish harvested) were selected and genotyped to represent harvests using mixed stock analysis techniques with an updated coastwide baseline including 13 reporting groups or stocks. Japan was typically the largest contributor to the June fishery, averaging 27.4% (range: 22.2–30.0%), followed by Coastal Western Alaska (24.3%, range: 17.6–28.6%) and Russia (20.8%, range: 17.0–28.0%). South Alaska Peninsula/West Kodiak Island was the largest contributor to the post-June fishery, averaging 51.6% (range: 42.5–63.3%), followed by Kodiak (11.2%, range: 5–15.2%) and British Columbia/Washington (10.1%, range: 1.7–18.6%). Overall, South Alaska Peninsula/West Kodiak Island was the largest contributor (26.7%, range: 11.7–52.6%) to the total South Alaska Peninsula commercial chum salmon fishery, followed by Japan (19.4%, range: 9.6–26.3%) and Russia (14.1%, range: 7.1–20.3%).

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 (hereafter referred to as South Alaska Peninsula; Figure 1). 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. It includes the Unimak District, the Bechevin Bay Section of the Northwestern District (in June only), the Southwestern District, the South Central District, and the 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 through aerial surveys conducted with 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 2–4). The South Alaska Peninsula fisheries include the June and post-June fisheries that vary in time and space by gear type. 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 (Figures 2–3). The Shumagin Islands June fishery

includes the Shumagin Islands Section of the Southeastern District (Figure 2). 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. The subsection that establishes the June fishing schedule for seine gear was amended, and a new subsection was added 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 1st 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 and 2024, the seine fleet and processors attempted to curtail their overall chum salmon harvest by implementing voluntary reductions in fishing time during the regulatory fishing periods. These included full-fleet closures for the Shumagin Islands Section, the entire South Unimak area, or area-specific standdowns.

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). The International North Pacific Fisheries Commission conducted tagging studies 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 were unpublished (Shaul 2005). ADF&G conducted a large chum tagging project 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). However, study results consistently indicate that nonlocal stocks make up most of the June and early July harvests of chum salmon.

A more recent, 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 in 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 reveal population genetic structure to identify groups of populations in catch samples (Seeb et al. 2011), and to select markers that maximize population genetic structure between rivers and management areas within western Alaska (DeCovich et al. 2012a). Unfortunately, repeated baseline evaluation testing showed that the major rivers and management areas of western Alaska could not be distinguished in MSA. 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 et al. 2012b). 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, 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%), followed by Asia (25%) and East of Kodiak (8%; Table 1). 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, 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 on stock-specific harvests in South Alaska Peninsula fisheries and guide 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 occurred concurrently with dramatic decreases in chum salmon returns to western Alaska. This renewed interest in the stock composition of harvests in South Alaska Peninsula fisheries. From 2015 to 2024, the South Alaska Peninsula June Fishery annual harvest averaged 4,233,101 salmon and was composed of 8,173 Chinook, 1,553,040 sockeye, 2,661 coho, 2,165,633 pink, and 503,595 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 the Arctic–Yukon–Kuskokwim (AYK) area persisted in 2022. In Norton Sound, chum salmon returns in 2022 were well below the size of runs in the 2010s but were an improvement over low returns in 2021. The commercial chum harvest of 31,249 was one-quarter of the recent 5-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 3rd 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 2nd lowest on record. 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 over the last 6 years (Smith et al. 2022).

INITIATION OF CURRENT STUDY AND INITIAL RESULTS FROM 2022

This project was initiated by ADF&G in 2022 with the primary objectives of sampling, genotyping, and estimating 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 occurred from 2022 to 2026 (Foster and Dann 2022). Samples from the 2022 harvests were analyzed using the WASSIP baseline in the fall of 2022, with results reported in time for the February 2023 Board of Fisheries meeting. The department typically waits to provide new estimates of stock-specific harvests from a fishery until 3 years of data are available, so data from an unusual year does not influence policy. While 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 board deliberations at the February 2023 meeting.

Major findings from 2022 included that the Asia reporting group was the largest contributor (345,896; 42.5%) to the total South Alaska Peninsula commercial chum salmon fishery, followed by East of Kodiak (137,503; 16.9%), South Peninsula (107,559; 13.2%), CWAK (103,798, 12.8%), and Chignik/Kodiak (72,050, 8.9%; Dann et al. 2023). No other groups contributed more than 5% of the harvest. Harvests of both Asia and CWAK were greatest in June and decreased throughout the season. Most of the total estimated harvest of both Asia (199,253 fish, 57.6% of total) and CWAK (55,933 fish, 53.8% of total) was in the Unimak and Southwestern Districts seine fishery. The relative presence of Asia and CWAK stocks in South Alaska Peninsula harvests was markedly different in 2022 than observed in the WASSIP years. Overall, in 2022, 3.3 Asia chum salmon were harvested for every CWAK chum salmon, whereas the average ratio of Asia to CWAK during the WASSIP study (2007–2009) was 0.56 (Dann et al. 2023).

During the development of the current study, GCL staff constructed an updated coastwide chum salmon genetic baseline for MSA of South Alaska Peninsula fisheries, but did not implement the baseline in 2022 for 2 reasons. We applied the WASSIP baseline for MSA to the 2022 samples to make the single-year estimates more comparable with WASSIP estimates and to provide context for policy decisions. In addition, due to the compressed nature of the project (analysis of samples from June–August 2022 harvests during the fall/winter of 2022/2023, in time for a February 2023 meeting), staff did not have adequate time to report, peer-review, and publish the baseline. However, GCL staff continued developing the baseline and implemented it for the analyses of 2022–2024 samples reported here.

UPDATED COASTWIDE BASELINE USED FOR MSA OF 2022–2024 SAMPLES

The updated coastwide genetic baseline for chum salmon (Barclay et al. 2024) that we developed for this project differs from the WASSIP baseline in 3 primary ways: (1) increased number of individuals and populations representing production and genetic diversity across the range, especially from 3 regions; (2) improved methodology used to evaluate reporting groups; and (3) revised reporting groups for stock composition estimates. Both baselines are based on the same set of genetic markers, except that the current baseline does not combine nuclear markers that exhibit

linkage disequilibrium; instead, it retains only the marker with the greater information content within each pair.

Improved Representation of Production and Diversity

The WASSIP baseline included 32,817 individuals from 434 collections representing 310 populations grouped into the 9 reporting groups mentioned previously. The new baseline incorporates collections sampled from WASSIP and from recent regional studies. The baseline includes 42,165 individuals from 532 collections representing 382 populations grouped into 13 reporting groups (Table 3; Appendix A1–A2). The large increase in individuals and 72 populations better represents the production of chum salmon across the species range and the genetic diversity among populations and reporting groups. In particular, the updated baseline incorporates much denser representation of production from the Upper Yukon, Chignik/Kodiak Island area, and Southeast Alaska.

Improved Methodologies to Evaluate Reporting Groups for MSA and Individual Assignment

The methodology used to evaluate reporting groups in the new baseline applied a rigorous approach to address biases and assumptions of previous reporting group tests. In the WASSIP baseline, reporting groups were tested for MSA by sampling 200 individuals from the baseline without replacement from a single reporting group (100% mixture) and analyzing the mixture against the reduced baseline. This approach produced overly optimistic and unrealistic test results, since catch samples often contain fish from more than 1 reporting group, and did not consider how different random samples can produce variable estimates depending on which individuals are randomly drawn from the baseline. In the current baseline, we assessed reporting groups by examining up to 100 test mixtures per reporting group, with true stock composition ranging from 1% to 100%. This method is more robust and provides several statistical benefits, including: (1) examining a range of stock compositions for each reporting group; (2) drawing up to 100 random samples from the baseline for each reporting group; and (3) using summary statistics as an objective way to assess reporting group performance.

Also notable is the evaluation of the baseline's ability to assign individuals to reporting groups. Individual assignment (IA) capabilities were evaluated using methods from classification studies in the machine learning field that are independent of the field of population genetics, primarily precision-recall curves based upon positive and false positive and negative assignments from leave one out cross-validation analyses. Pairing individual data, such as age, length, and date of harvest, with the stock of origin provides additional information that may be useful for management and improved ecological understanding of chum salmon migration through areas such as the South Alaska Peninsula. Finally, reporting group determination placed emphasis upon the population genetic structure among groups and statistical performance in addition to management need.

Definition of Final Reporting Groups Applied in MSA and IA

The new baseline can identify 23 fine-scale and 7 broad-scale reporting groups for proportional MSA, and 5 groups for IA based upon population genetic structure and statistical performance. We collapsed some fine-scale groups for MSA of South Alaska Peninsula harvests into 13 groups based on expected contributions in mixture samples from WASSIP and 2022 results, as well as management interest (Table 3). For example, although the baseline can identify Sturgeon River and Yakutat, these are small systems and we do not expect to see many chum salmon from these

systems in South Alaska Peninsula commercial harvests so we collapsed them with other fine-scale groups from similar areas into broader management areas where we might see proportions we could confidently estimate and that would also provide information for resource management. Some groups are directly comparable with WASSIP, including Kotzebue Sound, CWAK, Upper Yukon River, North Alaska Peninsula–East (named Northern District in WASSIP), and North Alaska Peninsula–West (Northwestern District). Applying the stratified estimator methods described below, we can directly compare the WASSIP group Asia to a combined Japan/Russia group. However, the South Alaska Peninsula/West Kodiak Island group in the updated baseline is not directly comparable with the WASSIP South Peninsula group. The South Alaska Peninsula/West Kodiak Island group used in these analyses is based on population genetic structure and statistical performance and includes populations across the entire South Alaska Peninsula and some populations on the west side of Kodiak Island. For WASSIP, these populations were separated into the South Peninsula and Chignik/Kodiak groups, which were not well defined genetically, resulting in reduced performance for MSA.

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 2022–2024.

OBJECTIVES

1. Collect genetic tissue (pelvic fin) from chum salmon caught in the major South Alaska Peninsula fisheries over the 2022–2024 fishing seasons 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.
5. Summarize stock-specific estimates of age, length, and day of year of harvest based upon genetic individual assignment.

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 4; Figures 1–4) in 2022–2024. 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 4. We estimated stock compositions of harvests by gear type (seine and drift/set gillnet) separately, based on 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 1st 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); while (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 4; 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 4; Foster and Dann 2022). We grouped harvests by 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 (Figure 1). 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 often extends 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 1–3). Set gillnet gear is allowed in all areas (Figure 2), drift gillnet gear is allowed in the Bechevin Bay Section of the Northwestern District, the Unimak District, and portions of the Southwestern District (Figure 3), 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 2).

The post-June fishery on the South Alaska Peninsula occurs in all areas except the Southeastern District Mainland (SEDM), which has allocative restrictions related to the Chignik Management Area, and the Dolgoi Island area (Figure 1), 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 across South Alaska Peninsula fisheries during the 2022–2024 seasons to represent the overall harvest (Table 4). 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 that 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 in 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, King Cove, and False Pass (Figure 1) in 2022, but only Sand Point and False Pass in 2023 and 2024. Samplers obtained fish ticket information (both before and after) and collected samples to determine whether 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 was 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). The samplers recorded all fishery sample information 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 was described in Foster and Dann (2022) and in Table 4. Tissue samples were grouped into predefined gear-, area-, and temporal-specific strata for the June fishery (the 5 regularly scheduled fishery openings). In 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. Target sample size for MSA was 380, while 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

A multiplexed preamplification polymerase chain reaction (PCR) of the 96 screened single-nucleotide polymorphism (SNP) markers was used to increase the concentration of template DNA. Each reaction was conducted within a 10 µL volume consisting of 4 µL of genomic DNA, 5 µL of 2X Multiplex PCR Master Mix (QIAGEN), and 1 µL of 2 µM unlabeled forward and reverse primers. Thermal cycling was performed on a Dual 384-Well GeneAmp PCR system 9700 (Applied Biosystems) at: 95°C held for 15 min, followed by 16 cycles of 95°C for 15 sec, 60°C for 4 min, and a final extension hold at 4°C. The preamplification product was then diluted 1:10 in a 30 µL volume consisting of 27 µL of TE (10 mM Tris [pH 8], 1 mM EDTA) and 3 µL of preamplification product.

We performed PCR using Standard BioTools 96.96 Dynamic Array Integrated Fluidic Circuits (IFCs), which systematically combine up to 96 assays and 96 samples into 9,216 parallel reactions. The components are pressurized into the IFC using the IFC Controller HX (Standard BioTools). Each reaction is conducted in a 7.2 nL volume chamber consisting of a mixture of 20X Fast GT Sample Loading Reagent (Standard BioTools), 2X TaqMan GTXpress Master Mix (Applied Biosystems), Custom TaqMan SNP Genotyping Assay (Applied Biosystems), 2X Assay Loading Reagent (Standard BioTools), 50X ROX Reference Dye (Invitrogen), and 60–400 ng/µL DNA. Thermal cycling is performed on a Standard BioTools FC1 Cycler using a Fast-PCR protocol as follows: a "Thermal-Mix" step of 70°C for 30 min and 25°C for 10 min, an initial "Hot-Start" denaturation of 95°C for 2 min, followed by 40 cycles of denaturation at 95°C for 2 sec and annealing at 60°C for 20 sec, with a final "Cool-Down" at 25°C for 10 sec. The Dynamic Array

IFCs were read on the EP1 System (Standard BioTools) after amplification and scored using Standard BioTools SNP Genotyping Analysis software.

Quality Control

We conducted quality control (QC) analyses to identify laboratory errors and to measure the background error rate in 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 the project fish and genotyping them for the same SNPs assayed in the original project. Laboratory errors identified during QC were corrected, and the corresponding genotypes were updated 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 1st individual was removed from further analyses.

Estimating Stock Composition

We used the new baseline to estimate stock compositions. The updated coastwide baseline, described by Barclay et al. (2024), is composed of 42,165 fish from 532 collections representing 382 populations grouped into 13 regional reporting groups (Appendices A1–A2). Those reporting groups are 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

[1] The R project for Statistical Computing. Version 4.4.3. Vienna, Austria. https://www.R-project.org/ (accessed September 2025).

Alaska, and British Columbia/Washington (BC/WA; Table 3, Appendix A2). 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 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 10th 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 by 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 (Tables 5–7). 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 ($C^{(b)}_{ijkly}$) drawn randomly from the joint distribution of the harvest ($C^{(b)}_{ijkl}$) and stock composition ($p^{(b)}_{ijkly}$) for each stratum:

$$C^{(b)}_{ijkly} = p^{(b)}_{ijkly} C^{(b)}_{ijkl} \tag{2}$$

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

[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 April 22, 2025).

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 $C_{ijkly}^{(b)}$. While 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 the weight of fish to the 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 for some reporting groups in the new baseline into larger groups that were comparable to 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 June, post-June, and in 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 in 2022–2024 was harvested in each fishery.

Summary of Individual Assignments and Paired Data

We summarized stock-specific estimates of age, length, and day of year of harvest of individuals selected for genetic analysis with assignment thresholds that passed assignment standards. We summarized means, standard deviations, and the number of individuals assigned to each reporting group for ages, lengths, and the day of year of harvest across 2022–2024.

RESULTS

FISHERY SAMPLING

A total of 43,843 tissue samples were collected, representing commercial harvests totaling 2,511,118 chum salmon in 2022–2024 (Table 8). An average of 7,162 samples were collected from the June fishery, representing an average harvest of 400,320, and 7,452 were collected from the post-June fishery, representing an average harvest of 436,719. Averaging across 2022–2024, approximately 1 out of every 57 chum salmon harvested in South Alaska Peninsula commercial fisheries was sampled for genetic material, and 1 out of every 84 was analyzed. Detailed annual summaries of samples collected among strata follow.

2022

A total of 14,869 samples of chum salmon were collected in 28 strata of commercial chum salmon fisheries of the South Alaska Peninsula in 2022 (Table 8, Appendices B1–B2). Minimum sample sizes (100 fish) were achieved in all 28 strata and reached or exceeded targeted goals (380 fish) in 20 strata.

Five temporal strata (4 seine and 1 gillnet) were targeted for sampling in the Southeastern and South Central Districts in June (Table 9). Target sampling objectives (380 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 B1.

Eight temporal strata (4 seine and 4 gillnet) were targeted for sampling in the Unimak and Southwestern Districts in the June fishery (Table 9). Target sampling objectives (380 fish) were achieved in all strata except for the 4th June stratum for gillnet (drift) where harvest was low and only 223 samples were collected (Appendix B1). 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 B2.

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 9). Target sampling objectives (380 fish) were achieved in 6 out of the 9 strata. A total of 365 and 348 samples were used for the 1st and 3rd gillnet strata in July, respectively, and 289 samples from the 2nd seine strata in August, primarily a result of low harvest (Appendix B1). Gillnet harvests in August were low in both areas and were combined into a South Alaska Peninsula (both areas combined) gillnet stratum for the month of August. 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 B1.

Six temporal strata (4 seine and 2 gillnet) were targeted for sampling in the Unimak and Southwestern Districts in the post-June fishery (Table 9). Target sampling objectives (380 fish) were achieved in 2 out of the 6 strata, a combined result of low harvest and harvest magnitude that skewed heavily to July 1 (Appendix B2). However, following the methods and standards used in WASSIP, sample sizes were still adequate for analysis (Templin et al. 2012). 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 B2.

2023

A total of 16,309 samples of chum salmon were collected in 31 strata of commercial chum salmon fisheries of the South Alaska Peninsula in 2023 (Table 8, Appendices B3–B4). Minimum sample sizes (100 fish) were achieved in all 31 strata and reached or exceeded targeted goals (380 fish) in 23 strata.

Five temporal strata (4 seine and 1 gillnet) were targeted for sampling in the Southeastern and South Central Districts in June (Table 10). Target sampling objectives (380 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 B3.

Eight temporal strata (4 seine and 4 gillnet) were targeted for sampling in the Unimak and Southwestern Districts in the June fishery (Table 10). Target sampling objectives (380 fish) were achieved in all strata except for the 4th June stratum for gillnet (drift) where harvest was low; 379 samples were collected (Appendix B4). 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 B4.

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 10). Target sampling objectives (380 fish) were achieved in 6 out of the 9 strata. A total of 240 samples were used for the 3rd strata in July for both seine and gillnet and 320 samples from the 2nd seine strata in August, primarily a result of lower harvests (Appendix B3). 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 B3.

Nine temporal strata (5 seine and 4 gillnet) were targeted for sampling in the Unimak and Southwestern Districts in the post-June fishery (Table 10). Target sampling objectives (380 fish) were achieved in 6 out of the 9 strata, a combined result of low harvest in some gillnet strata (Appendix B4). However, following the methods and standards used in WASSIP, sample sizes were still adequate for analysis (Templin et al. 2012). 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 B4.

2024

A total of 12,665 samples of chum salmon were collected in 25 spatiotemporal strata of commercial chum salmon fisheries of the South Alaska Peninsula in 2024 (Table 8, Appendices B5–B6). Minimum sample sizes (100 fish) were achieved in 24 strata and reached or exceeded targeted goals (380 fish) in 22 strata.

Five temporal strata (4 seine and 1 gillnet) were targeted for sampling in the Southeastern and South Central Districts in June (Table 11). Target sampling objectives (380 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 B5.

Eight temporal strata (4 seine and 4 gillnet) were targeted for sampling in the Unimak and Southwestern Districts in the June fishery (Table 11). Target sampling objectives (380 fish) were achieved in all strata (Appendix B6). 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 B6.

Six temporal strata (3 seine and 3 gillnet) were targeted for sampling in the Southeastern and South Central Districts in the post-June fishery (Table 11). Target sampling objectives (380 fish) were achieved in all 6 strata despite low harvest in the gillnet strata (Appendix B5). 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 B5.

Six temporal strata (3 seine and 3 gillnet) were targeted for sampling in the Unimak and Southwestern Districts in the post-June fishery (Table 11). Target sampling objectives (380 fish)

were achieved in 3 out of the 6 strata, a result of low harvests in the post-June fishery (Appendix B6). Harvests in August were minimal and were associated with late July samples due to low harvest and availability for sampling. However, following the methods and standards used in WASSIP (Templin et al. 2012), sample sizes were still adequate for analysis except for the 3rd seine stratum in July, where harvest was low and only 80 samples were collected. We still analyzed those samples separately and produced estimates, because the uncertainty associated with smaller samples was minimized due to the small harvest they represented when combined with other strata in the stratified estimator approach. 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 B6.

Age and Length Sampling

2022

Of the 14,869 chum salmon sampled for length, the smallest size encountered was 396 mm, the largest was 720 mm, and the average length was 554 mm (METF). A total of 12,810 chum salmon were successfully aged. Of these fish, age-0.3 (63.9%) was the most common, followed by age-0.4 (29.4%), age-0.2 (6.3%), and age-0.5 (0.05%, Table 12). Age-0.1 and age-0.6 were also present, with 1 each 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 C.

2023

Of the 16,988 chum salmon sampled and measured for length, the smallest size encountered was 330 mm, the largest was 738 mm, and the average length was 560 mm (METF). A total of 15,654 chum salmon were successfully aged. Of these fish, age-0.3 (65.4%) was the most common, followed by age-0.4 (30.0%), age-0.2 (3.4%), and age-0.5 (1.2%; Table 13). Age-0.1 and age-0.6 were also present, with 4 and 1 fish recorded, respectively. 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 found in Appendix C.

2024

Of the 12,785 chum salmon sampled and measured for length, the smallest size encountered was 299 mm, the largest was 798 mm, and the average length was 552 mm (METF). A total of 11,754 chum salmon were successfully aged. Of these fish, age-0.3 (60.1%) was the most common, followed by age-0.4 (28.1%), age-0.2 (10.2%), age-0.5 (1.3%), and age-0.1 (0.3%; Table 14). Age-0.6 were also present with 2 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 found in Appendix C.

Tissue Subsampling

The total number of stratum harvests and tissues genotyped are available in Tables 9–11. Daily numbers of fish harvested, tissues collected, genotyped, and utilized for final analysis by area, gear, and stratum are found in Appendices B1–B6.

2022

A total of 9,957 samples (1 out of 82 harvested fish) were selected and genotyped to represent the 2022 harvest for MSA, ranging from 209 to 432 among strata (Table 9, Figure 5).

2023

A total of 10,904 samples (1 out of 103 harvested fish) were selected and genotyped to represent the 2023 harvest for MSA, ranging from 115 to 380 among strata (Table 10, Figure 5).

2024

A total of 8,906 samples (1 out of 65 harvested fish) were selected and genotyped to represent the 2024 harvest for MSA, ranging from 80 to 380 among strata (Table 11, Figure 5).

LABORATORY ANALYSIS

Assaying Genotypes

A total of 29,767 fish were genotyped at 96 genetic markers, producing 2,857,632 total genotypes.

2022

We extracted and genotyped a total of 9,957 fish. We produced 955,872 total genotypes at 96 genetic markers with an overall genotyping success rate of 96.2%.

2023

We extracted and genotyped a total of 10,904 fish. We produced 1,046,784 total genotypes at 96 genetic markers with an overall genotyping success rate of 98.3%.

2024

We extracted and genotyped a total of 8,906 fish. We produced 854,976 total genotypes at 96 genetic markers with an overall genotyping success rate of 99.0%.

Laboratory Quality Control

The quality control process demonstrated a high overall concordance rate of 99.7% with a range of 99.4–99.9% among the 3 years (Table 15). Assuming equal error rates 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 0.3%.

STATISTICAL ANALYSIS

Data Retrieval and Quality Control

2022

A total of 814 individuals were removed from further analysis based on the 80% rule, ranging from 8 to 56 among strata. Two individuals from 1 stratum were identified as not being chum salmon and were removed from the analysis. A total of 14 duplicate individuals were identified and removed, ranging from 0 to 3 among strata. After removing these 830 individuals, 9,127 samples remained and were used in the MSA (Table 9).

2023

A total of 153 individuals were identified as alternate species, ranging from 0 to 11 among strata, and were removed. A total of 275 individuals were removed from further analysis based on the 80% rule, ranging from 0 to 52 among strata. A total of 12 duplicate individuals were identified and removed, ranging from 0 to 4 among strata. After removing these 440 individuals, 10,464 samples remained and were used in the MSA (Table 10).

2024

A total of 61 individuals were identified as alternate species, ranging from 0 to 8 among strata, and were removed. A total of 132 individuals were removed from further analysis based on the 80% rule, ranging from 0 to 28 among strata. A total of 5 duplicate individuals were identified and removed, ranging from 0 to 3 among strata. After removing these 198 individuals, 8,708 samples remained and were used in the MSA (Table 11).

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.; Tables 5–7).

Summary of Stratified Estimates of June Fishery

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%; Tables 16–18, Figure 6). Coastal Western Alaska (CWAK) was the 2nd 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% across 2022–2024.

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, averaging 51.6% from 2022 to 2024 (range: 42.5–63.3%; Tables 19–21, Figure 7). 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% across 2022–2024.

Summary of Stratified Estimates of South Alaska Peninsula Fishery

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%; Tables 22–24, Figure 8). 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 to 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% across 2022–2024.

2022 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 4 temporal June strata for the gillnet fishery. Sample goals were achieved in 12 of the 13 strata, and sufficient samples were available for MSA in all strata (Table 9).

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, Russia, CWAK, and BC/WA reporting groups (Figure 9, Appendices D1–D4). Japan and Russia were the largest contributors to the harvest, with Japan contributing the most to the 1st and last June strata (range: 25.2–36.3%), and Russia contributing the most to the 2nd and 3rd strata (range: 20.4–30.3%). CWAK contributions generally decreased among June strata (range: 9.7–17.2%), while BC/WA contributions generally increased among June strata (range: 6.9–17.0%). The only other groups to exceed 5% were Kotzebue Sound (3rd stratum), Kodiak (4th stratum), and PWS (1st and 2nd strata).

Harvests were lowest during the 1st June stratum and highest during the last June stratum (range: 16,419–75,336; Table 9). Estimated stock-specific harvests varied among strata with Japan and Russia dominating harvest in all strata (Figure 9, Appendices D1–D4). When the 4 temporal strata were combined, the total June seine harvest in the Southeastern and South Central Districts was 167,403 fish. Japan and Russia accounted for most of the harvest in June, with an estimated 53,449 (32.0%) and 43,128 (25.8%) fish, respectively (Appendix E1). CWAK contributed an estimated 22,341 fish (13.3%) and BC/WA contributed an estimated 21,813 fish (13.1%). No other group contributed more than 5% to the June seine harvest in the Southeastern and South Central Districts.

Gillnet

The gillnet harvest during the June fishery was lower than the seine harvests in the Southeastern and South Central Districts and was represented by a single stratum (Table 9, Figure 10). PWS was the largest contributor with 3,082 fish (28.7%), followed by South Alaska Peninsula/West Kodiak Island with 2,676 fish (24.9%), and Russia with 2,179 fish (20.3%; Figure 10, Appendix D5). 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 178,011 fish (Table 9). Japan and Russia accounted for the largest shares of the harvest, with an estimated 53,684 (30.2%) and 45,206 (25.4%), respectively (Appendix E2). CWAK contributed an estimated 23,866 fish (13.4%), BC/WA contributed an estimated 22,090 fish (12.4%) and PWS contributed an estimated 10,264 fish (5.8%). 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 Japan, Russia, and CWAK, with minor contributions from other groups (Figure 11, Appendices D6–D9). Japan and Russia were the largest contributors to the harvest, with Japan contributing the most to the 2nd and 3rd June strata (range: 19.1–40.9%) and Russia contributing the most to the 1st and 4th strata (range: 27.5–35.9%). CWAK contributions generally decreased among June strata (range: 12.2–24.4%). The only other groups to exceed 5% were PWS (1st stratum) and BC/WA (1st and 2nd strata).

Harvests were lower during the 1st and 4th strata and higher during the 2nd and 3rd strata, ranging from 24,254 to 123,139 fish (Table 9). Estimated stock-specific harvests varied across strata, with Japan, Russia, and CWAK dominating harvest in all strata (Figure 6, Appendices D6–D9). When the 4 temporal strata were combined, the total June seine harvest in the Southeastern and South Central Districts was 321,946 fish. Japan and Russia made up most of the harvest in June with an estimated 104,868 (32.6%) and 94,423 (29.3%) fish, respectively (Appendix E3). CWAK contributed an estimated 55,455 fish (17.2%), and BC/WA contributed an estimated 16,338 fish (5.1%). 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 4 temporal strata. Most of the estimated harvest composition was from CWAK and Russia, with lesser contributions from other groups (Figure 12, Appendices D10–D13). Russia contributed the most to the 1st and 4th June strata (range: 24.4–33.7%), and CWAK contributed the most to the 2nd and 3rd strata (range: 19.3–39.7%). Japan contributions generally increased among June strata (range: 6.8–11.2%). Other groups that exceeded a 5% contribution in at least 1 stratum were Kotzebue Sound, South Alaska Peninsula/West Kodiak Island, PWS, Northern Alaska Peninsula-east, and Northern Alaska Peninsula-west.

Harvests increased from the 1st stratum through the 3rd stratum and decreased during the 4th stratum, ranging from 1,487 to 16,302 fish (Table 9). Estimated stock-specific harvests varied among strata with CWAK, Russia, and Japan dominating harvest in all strata (Figure 12, Appendices D10–D13). When the 4 temporal strata were combined, the total June gillnet harvest in the Unimak and Southwestern Districts was 44,280 fish. CWAK and Russia made up most of the harvest in June with an estimated 15,880 (35.9%) and 12,683 (28.7%) fish, respectively (Appendix E4). Japan contributed an estimated 4,304 fish (9.7%), Kotzebue Sound contributed an estimated 2,390 (5.4%), and PWS contributed an estimated 2,311 fish (5.2%). 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 366,590 fish. Japan and Russia made up most of the harvest in June with an estimated 109,299 fish (29.9%) and 107,265 (29.3%), respectively (Appendix E5). CWAK contributed an estimated 71,405 fish (19.5%). No other group contributed more than 5% of the June harvest in the Unimak and Southwestern Districts.

2022 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 2 temporal July strata for the seine fishery and 2 temporal July strata for the gillnet fishery. Sample goals were achieved in 6 of the 10 strata and sufficient samples were available for MSA in all strata (Table 9).

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 and BC/WA reporting groups, with lesser contributions from other groups. South Alaska Peninsula/West Kodiak Island contributed the most to the 1st and 3rd July strata (range: 30.0–44.3%), and BC/WA contributing the most to the 2nd stratum (range: 27.5–40.6%; Figure 9, Appendices D14–D16). Japan (range: 4.2–14.4%) and Russia (range: 1.8–7.9%) contributions generally decreased in July, with lesser contributions from other groups. The only other groups to exceed 5% were Kodiak (1st and 3rd strata) and PWS (2nd stratum).

Harvests were lowest during the 1st July stratum and highest during the last July stratum (range: 32,704–56,716; Table 9). Estimated stock-specific harvests varied among strata, with South Alaska Peninsula/West Kodiak Island and BC/WA dominating harvest in all strata (Figure 9, Appendices D14–D16). When the 3 temporal strata were combined, the total July seine harvest in the Southeastern and South Central Districts was 126,137 fish. South Alaska Peninsula/West Kodiak Island and BC/WA composed most of the harvest in June with an estimated 46,479 (36.9%) and 41,625 (33.0%) fish, respectively (Appendix E6). Japan contributed an estimated 10,396 fish (8.3%) and Kodiak contributed an estimated 8,042 fish (6.5%). 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 and Kodiak reporting groups, with lesser contributions from Cook Inlet and PWS. South Alaska Peninsula/West Kodiak Island contributed the most to all July strata (range: 46.5–67.3%), and Kodiak contributed the 2nd most to the 2nd and 3rd strata (range: 4.3–33.4%; Figure 10, Appendices D17–D19). Cook Inlet (range: 2.9–11.6%) and PWS (range: 8.5–11.6%) were the only other groups to exceed 5%.

Harvests slightly increased from the 1st stratum through the 3rd stratum, ranging from 4,092 to 5,189 fish (Table 9). Estimated stock-specific harvests varied among strata, with South Alaska Peninsula/West Kodiak Island and Kodiak dominating harvest in all strata (Figure 10, Appendices D17–D19). When the 3 temporal strata were combined, the total July gillnet harvest in the Southeastern and South Central Districts was 14,110 fish. South Alaska Peninsula/West Kodiak Island and Kodiak composed most of the harvest in July with an estimated 8,031 (57.0%) and 2,802 (19.9%) fish, respectively (Appendix E7). PWS contributed an estimated 1,489 fish (10.5%),

and Cook Inlet contributed an estimated 1,090 fish (7.7%). No other groups contributed more than 5% of 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 140,240 fish. South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 54,407 fish (39.0%; Appendix E8). BC/WA contributed an estimated 41,926 fish (29.9%), Kodiak contributed an estimated 10,888 fish (7.8%), and Japan contributed an estimated 10,492 fish (7.5%). 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 2 temporal strata. The estimated harvest composition was spread across many groups. Groups contributing the most to the 2 strata included South Alaska Peninsula/West Kodiak Island (range: 5.2–35.8%), Russia (range: 7.2–18.7%), BC/WA (range: 10.1–18.7%), Japan (range: 8.6–18.6%), Kodiak (4.2–15.8%), and CWAK (range: 7.4–13.9%; Figure 11, Appendices D20–D21). Kotzebue Sound, Northern Alaska Peninsula-west, and PWS slightly exceeded 5% in 1 of the 2 strata.

Harvests were greater during the 1st July stratum (30,008) than the 2nd July stratum (12,708; Table 9). Estimated stock-specific harvests varied between strata (Figure 11, Appendices D20–D21). When the 2 temporal strata were combined, the total July seine harvest in the Unimak and Southwestern Districts was 42,721 fish. Seven of 13 groups contributed more than 5% to the July seine harvest in the Unimak and Southwestern Districts, with BC/WA contributing the most (6,867 fish, 16.1%; Appendix E9).

Gillnet

The gillnet harvests during the July fishery in the Unimak and Southwestern Districts were represented by 2 temporal strata. Most of the estimated harvest composition was from South Alaska Peninsula/West Kodiak Island (45.3% and 65.4%). Other groups contributing more than 5% included Kodiak (18.9% and 15.8%), PWS (14.2% and 3.9%), and Northern Alaska Peninsula-west (7.3% and 8.7%; Figure 12, Appendices D22–D23).

Harvests slightly increased in the 2nd stratum from 2,027 to 3,812 fish (Table 9). Estimated stock-specific harvests were similar among strata with South Alaska Peninsula/West Kodiak Island, Kodiak Island, PWS, and Northern Alaska Peninsula-west dominating harvest in all strata (Appendices D22–23, Figure 12). When both temporal strata were combined, the total July gillnet harvest in the Unimak and Southwestern Districts was 5,829 fish. South Alaska Peninsula/West Kodiak Island and Kodiak made up most of the harvest in July with an estimated 3,410 (58.6%) and 991 (17.0%) fish, respectively (Appendix E10). Northern Alaska Peninsula-west contributed an estimated 484 fish (8.3%), and PWS contributed an estimated 439 fish (7.6%). No other group contributed more than 5% of 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 48,516 fish (Appendix E11). South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 9,596 fish (19.8%), followed by BC/WA (6,983 fish, 14.4%), Japan (6,701 fish, 13.9%), Russia (6,647 fish, 13.7%), CWAK (5,154 fish, 10.6%), Kodiak (4,271 fish, 8.8%), and Northern Alaska Peninsula-west (3,226 fish, 6.7%). No other group contributed more than 5% of 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 smaller than the June harvest and larger than the August harvest, with a total harvest of 188,613 fish (Table 9). South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 63,759 fish (33.9%), followed by BC/WA (48,984 fish, 26.0%), Japan (17,234 fish, 9.1%), Kodiak (15,414, 8.1%), and Russia (12,535 fish, 6.6%; Appendix E12). No other group contributed more than 5% to the July harvest.

2022 August Fishery

The August seine fishery was sampled for chum salmon harvest 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 2 temporal August strata for the seine fishery. The Unimak and Southwestern Districts' area stratum included 2 temporal August strata for the seine fishery. The August gillnet fishery was sampled for chum salmon harvest in 1 area stratum, South Alaska Peninsula as a whole (Southeastern, South Central, Unimak, and Southwestern Districts pooled). The South Alaska Peninsula area stratum included 1 temporal August stratum. Sample goals were achieved in 2 of the 5 strata, and sufficient samples were available for MSA in all strata (Table 9).

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. Kodiak contributed the most to the 1st August stratum (55.7%), and South Alaska Peninsula/West Kodiak Island contributed the most to the 2nd stratum (69.0%; Figure 9, Appendices D24–D25). The only other group to exceed 5% was PWS (5.2% in 2nd stratum).

Harvest was greater during the 1st August stratum than the last stratum (35,706 and 9,793; Table 9). Estimated stock-specific harvests varied among strata, with Kodiak and South Alaska Peninsula/West Kodiak Island dominating harvest in both strata (Figure 9, Appendices D24–D25). When both temporal strata were combined, the total August seine harvest in the Southeastern and South Central Districts was 45,519 fish. Kodiak and South Alaska Peninsula/West Kodiak Island made up the vast majority of the harvest in August, with an estimated 21,953 (48.3%) and 20,442 (45.0%) fish, respectively (Appendix E13). No other group contributed more than 5% to the August seine 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 2 temporal strata. Most of the estimated harvest composition was from South Alaska Peninsula/West Kodiak Island (83.4–88.9%), minor contributions from other Kodiak (9.7% in the 1st stratum), and Northern Alaska Peninsula-west (14.3% in the 2nd stratum; Figure 11, Appendices D26–D27). No other group contributed more than 5% to the August seine harvest in the Unimak and Southwestern Districts.

Harvest was greater during the 1st August stratum than the last stratum (18,807 and 10,017; Table 9). Estimated stock-specific harvests varied among strata, with South Alaska Peninsula/West Kodiak Island dominating harvest in both strata (Figure 11, Appendices D26–D27). When both temporal strata were combined, the total August seine harvest in the Unimak and Southwestern Districts was 28,866 fish. South Alaska Peninsula/West Kodiak Island made up the vast majority of the harvest in August with an estimated 25,019 (86.9%; Appendix E14). Kodiak contributed an estimated 1,882 fish (6.6%), and Northern Alaska Peninsula-west an estimated 1,451 (5.0%). No other group contributed more than 5% to the August seine harvest in the Unimak and Southwestern Districts.

South Alaska Peninsula Gillnet

The gillnet harvests during the August fishery in the South Alaska Peninsula area (Southeastern, South Central, Unimak, and Southwestern Districts) were represented by 1 temporal stratum. South Alaska Peninsula/West Kodiak Island was the largest contributor with 5,850 fish (83.0%), followed by Kodiak (990 fish, 14.0%; Figure 10, Appendix D28). No other groups contributed more than 5% of the harvest.

All August Harvests

The total August fishery harvest across all districts, gear types, and strata was smaller than June and July harvests, with a total harvest of 81,423 fish. South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in August with an estimated 51,364 fish (63.1%), followed by Kodiak (24,793 fish, 30.5%; Appendix E15). No other group contributed more than 5% to the August harvest.

2023 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 4 temporal June strata for the gillnet fishery. Sample goals were achieved in 11 of 13 strata, and sufficient samples were available for MSA in all strata (Table 10).

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,

CWAK, Russia, and BC/WA reporting groups (Figure 9, Appendices D29–D32). Japan and CWAK were the largest contributors to harvest in June, with Japan contributing the most to the 2nd through last June strata (range: 21.1–31.1%) and CWAK contributing the most to the 1st stratum (range: 15.3–31.8%). Russia contributions generally decreased among June strata (range: 13.3–24.1%) while BC/WA contributions generally increased among June strata (range: 5.0–8.9%). The only other groups to exceed 5% were South Alaska Peninsula/West Kodiak Island (4th stratum) and PWS (1st, 2nd, and 4th strata).

Harvests were lowest during the 1st June stratum and highest during the last June stratum (range: 6,338–36,566; Table 10). Estimated stock-specific harvests varied among strata, with Japan, CWAK, and Russia contributing the most to harvest in all strata (Figure 9, Appendices D29–D32). When the 4 temporal strata were combined, the total June seine harvest in the Southeastern and South Central Districts was 93,127 fish. Japan and CWAK made up most of the harvest in June with an estimated 24,896 (26.7%) and 20,891 (22.5%) fish, respectively (Appendix E16). Russia contributed an estimated 17,220 fish (18.5%), South Alaska Peninsula/West Kodiak Island contributed an estimated 7,363 (7.9%) and BC/WA contributed an estimated 6,782 fish (7.3%). 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. PWS was the largest contributor with 3,360 fish (33.1%), followed by CWAK (2,788, 27.5%), Russia (1,384, 13.6%), South Alaska Peninsula/West Kodiak Island (1,346, 13.3%), and Kodiak (590, 5.8%; Figure 10, Appendix D33). 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 103,159 fish. Japan and CWAK made up most of the harvest with an estimated 25,016 (24.3%) and 23,642 (22.9%), respectively (Appendix E17). Russia contributed an estimated 18,610 fish (18.1%), followed by PWS (10,654, 10.4%), South Alaska Peninsula/West Kodiak Island (8,672, 8.4%), and BC/WA (6,768 fish, 6.6%). No other group contributed more than 5% of 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 Russia, with minor contributions from BC/WA and other groups (Figure 11, Appendices D34–D37). CWAK and Japan were the largest contributors to harvest, with CWAK contributing the most to the 1st through 3rd June strata (range: 21.6–38.3%), and Russia contributing the most to the 4th stratum (range: 12.7–22.2%). Japan contributions generally decreased among June strata (range: 16.5–32.2%). The only other groups to exceed 5% were BC/WA (all strata), PWS (3rd and 4th strata), and Northern Alaska Peninsula-west (last stratum).

Harvests were lower during the 1st and 4th strata and higher during the 2nd and 3rd strata, ranging from 4,294 to 39,070 fish (Table 10). Estimated stock-specific harvests varied among strata with CWAK, Japan, and Russia dominating harvest in all strata (Figure 11, Appendices D34–D37). When the 4 temporal strata were combined, the total June seine harvest in the Unimak and Southwestern Districts was 72,439 fish. CWAK and Japan made up most of the harvest in June with an estimated 25,050 (34.6%) and 18,640 (25.7%) fish, respectively (Appendix E18). Russia contributed an estimated 12,826 fish (17.7%), followed by BC/WA (6,307, 8.7%) and PWS (3,721, 5.1%). 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 4 temporal strata. Most of the estimated harvest composition was from CWAK, PWS, and Russia, with lesser contributions from other groups (Figure 12, Appendices D38–D41). CWAK contributed the most to the 2nd through 4th June stratum (range: 32.2–37.4%), and PWS contributed the most to the 1st stratum (range: 13.6–36.0%). Russia contributions generally increased among June strata (range: 7.8–16.6%). Other groups that exceeded a 5% contribution in at least 1 stratum were Japan, Northern Alaska Peninsula-west, South Alaska Peninsula/West Kodiak Island, Southeast Alaska, and BC/WA.

Harvests were greatest in the 2nd stratum and lowest in the 4th stratum, ranging from 2,488 to 19,685 fish (Table 10). Estimated stock-specific harvests varied among strata with CWAK, Russia, and Japan dominating harvest in all strata (Figure 12, Appendices D38–D41). When the 4 temporal strata were combined, the total June gillnet harvest in the Unimak and Southwestern Districts was 30,459 fish. CWAK and PWS made up most of the harvest in June with an estimated 10,156 (33.3%) and 5,622 (18.5%) fish, respectively (Appendix E19). Russia contributed an estimated 4,571 fish (15.0%), followed by Southeast Alaska (2,942, 9.7%), Japan (2,003, 6.6%), BC/WA (1,715, 5.6%), and South Alaska Peninsula/West Kodiak Island (1,567, 5.2%). 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 102,897 fish. CWAK and Japan composed most of the harvest in June with an estimated 35,211 fish (34.3%) and 20,668 (20.1%), respectively (Appendix E20). Russia contributed an estimated 17,384 fish (16.9%), followed by PWS (9,387, 9.1%) and BC/WA (8,042, 7.8%). No other group contributed more than 5% of the June harvest in the Unimak and Southwestern Districts.

2023 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 10).

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 and Kodiak reporting groups with lesser contributions from other groups. South Alaska Peninsula/West Kodiak Island contributed the most to all July strata (range: 42.0–64.2%; Figure 9, Appendices D42–D44). Kodiak contributions generally increased throughout July (range: 6.7–26.3%) while Japan (range: 8.6–11.2%) and Russia (range: 3.3–12.1%) generally decreased. The only other group to exceed 5% was PWS (1st stratum).

Harvests were lowest during the 3rd July stratum and highest during the 2nd July stratum (range: 34,470–133,701; Table 10). Estimated stock-specific harvests varied among strata, with South Alaska Peninsula/West Kodiak Island dominating harvest in all strata (Figure 9, Appendices D42–D44). When the 3 temporal strata were combined, the total July seine harvest in the Southeastern and South Central Districts was 223,489 fish. South Alaska Peninsula/West Kodiak Island made up most of the harvest in July with an estimated 127,654 fish (57.3%), followed by Kodiak (27,200, 12.2%), Japan (21,109, 9.5%), and Russia (16,697, 7.5%; Appendix E21). 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 the South Alaska Peninsula/West Kodiak Island, with lesser contributions from Kodiak in the 1st and 3rd strata. South Alaska Peninsula/West Kodiak Island contributed the most to all July strata (range: 61.6–92.6%) while Kodiak contributed to the 1st and 3rd strata (range: 0.3–14.9%; Figure 10, Appendices D45–D47). Japan (range: 0.0–6.0%) and PWS (range: 0.0–5.9%) were the only other groups to exceed 5%.

Harvests were small and varied from the 1st stratum through the 3rd stratum, ranging from 2,936 to 8,477 fish (Table 10). Estimated stock-specific harvests varied among strata, with South Alaska Peninsula/West Kodiak Island dominating harvest in all strata (Figure 10, Appendices D45–D47). When the 3 temporal strata were combined, the total July gillnet harvest in the Southeastern and South Central Districts was 18,276 fish. South Alaska Peninsula/West Kodiak Island made up most of the gillnet harvest in July with an estimated 14,556 (79.7%), followed by Kodiak (1,444, 7.9%; Appendix E22). 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 241,899 fish. South Alaska Peninsula/West Kodiak Island contributed most of the harvest in July with an estimated 142,570 fish (59.0%; Appendix E23). Kodiak contributed an estimated 28,659 fish (11.9%), followed by Japan (21,533, 8.9%) and Russia (16,762, 6.9%). 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. Groups contributing the most to the 3 strata included South Alaska Peninsula/West Kodiak Island (range: 5.1–58.3%), Japan (range: 9.1–30.0%), Russia (range: 16.6–20.0%), CWAK (range: 1.4–18.7%), and Northern Alaska Peninsula-west (range: 6.5–12.8%; Figure 11, Appendices D48–D50). Both BC/WA and Kodiak slightly exceeded 5% in 2 and 1 of the 3 strata, respectively.

Harvests were greatest during the 1st July stratum (74,937) and decreased to the 3rd July stratum (14,870; Table 10). Estimated stock-specific harvests varied among strata (Figure 11, Appendices D48–D50). When the 3 temporal strata were combined, total July seine harvest in the Unimak and Southwestern Districts was 129,533 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 (32,694 fish, 25.3%; Appendix E24).

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 (range: 48.3–79.6%). Other groups contributing more than 5% included Northern Alaska Peninsula-west (range: 5.4–21.4%), Northern Alaska Peninsula-east (range: 0.6–10.2%), Kodiak (range: 0.0–9.6%), BC/WA (range: 0.1–7.5%), and Russia (range: 1.7–6.4%; Figure 12, Appendices D51–D53).

Harvests were low and ranged from 3,388 to 6,295 fish (Table 10). Estimated stock-specific harvests were similar among strata, with South Alaska Peninsula/West Kodiak Island contributing most of the harvest in all strata (Figure 12, Appendices D51–D53). When the 3 temporal strata were combined, the total July gillnet harvest in the Unimak and Southwestern Districts was 13,813 fish. South Alaska Peninsula/West Kodiak Island made up most of the harvest in July with an estimated 8,060 fish (58.5%), followed by Northern Alaska Peninsula-west (2,136, 15.5%), Northern Alaska Peninsula-east (928, 6.7%), and Kodiak (718, 5.2%; Appendix E25). 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 143,492 fish (Appendix D26). Six of 13 groups contributed more than 5% to the July harvest in the Unimak and Southwestern Districts, with Japan contributing the most (32,827 fish, 22.9%).

All July Harvests

The total July fishery harvest across all districts, gear types, and strata was larger than the June harvest and smaller than the August harvest, with a total harvest of 385,233 fish. South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 165,675 fish (43.0%), followed by Japan (54,487 fish, 14.2%), Russia (42,720 fish, 11.1%), Kodiak (34,261, 8.9%), and CWAK (22,879 fish, 5.9%; Appendix E27). No other group contributed more than 5% to the July harvest.

2023 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 stratum for the gillnet fishery. The Unimak and Southwestern Districts' area stratum included 2 temporal August strata for the seine fishery and 1 stratum for the gillnet fishery. Sample goals were achieved in 4 of 6 strata, and sufficient samples were available for MSA in all strata (Table 10).

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 strata (range: 59.4–74.9%; Figure 9, Appendices D54–D55). No other group accounted for more than 5% of the seine harvests in the Southeastern and South Central Districts.

Harvest was less during the 1st August stratum than the last stratum (125,903 and 129,858; Table 10). Estimated stock-specific harvests varied among strata, with Kodiak and South Alaska Peninsula/West Kodiak Island dominating harvest in both strata (Figure 9, Appendices D24–D25). When both temporal strata were combined, the total August seine harvest in the Southeastern and South Central Districts was 255,840 fish. South Alaska Peninsula/West Kodiak Island made up most of the harvest in August with an estimated 171,983 (67.2%), followed by Kodiak (63,252, 24.7%; Appendix E28). 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 were lower than the seine harvests in the Southeastern and South Central Districts and were represented by a single stratum. South Alaska Peninsula/West Kodiak Island was the largest contributor with 7,180 fish (62.2%), followed by Kodiak (3,131, 27.1%) and Cook Inlet (616, 5.3%; Figure 10, Appendix D56). No other group accounted for more than 5% of the 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 267,101 fish. South Alaska Peninsula/West Kodiak Island contributed most of the harvest in August with an estimated 178,910 fish (67.0%) and Kodiak contributed an estimated 66,071 fish (24.8%; Appendix E29). 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 2 temporal strata. Most of the estimated harvest composition was from South Alaska Peninsula/West Kodiak Island (84.1–97.7%), followed by Kodiak (0.0–14.1%; Figure 11,

Appendices D57–D58). No other group contributed more than 5% to the August seine harvest in the Unimak and Southwestern Districts.

Harvest was less during the 1st August stratum than the last stratum (124,946 and 129,858). Estimated stock-specific harvests varied among strata, with South Alaska Peninsula/West Kodiak Island dominating harvest in both strata (Figure 11, Appendices D57–D58). When both temporal strata were combined, the total August seine harvest in the Unimak and Southwestern Districts was 256,323 fish. South Alaska Peninsula/West Kodiak Island made up the vast majority of the harvest in August, with an estimated 231,411 (90.4%; Appendix E30). Kodiak contributed an estimated 20,099 fish (7.9%). 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 were lower than seine harvests in the Unimak and Southwestern Districts and were represented by a single stratum. South Alaska Peninsula/West Kodiak Island was the largest contributor with 3,204 fish (53.5%), followed by Northern Alaska Peninsula-west (1,347, 22.5%), Kodiak (777, 13.0%), and PWS (380, 6.3%; Appendix D59, Figure 11). No other groups contributed more than 5% to the 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 262,483 fish. South Alaska Peninsula/West Kodiak Island contributed most of the harvest in August with an estimated 234,553 fish (89.5%), and Kodiak contributed an estimated 20,847 fish (8.0%; Appendix E31). 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 greater than June and July harvests, with a total harvest of 530,575 fish. South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in August, with an estimated 414,224 fish (78.1%), followed by Kodiak (87,933 fish, 16.6%; Appendix E32). No other group contributed more than 5% to the August harvest.

2024 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 4 temporal June strata for the gillnet fishery. Sample goals were achieved in 13 of the 13 strata, and sufficient samples were available for MSA in all 13 strata (Table 11).

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,

CWAK, BC/WA, and Russia reporting groups (Figure 9, Appendices D60–D63). Japan, CWAK, and BC/WA were the largest contributors to harvest, with Japan contributing the most to the 3rd and last June strata (range: 25.3–33.9%), CWAK contributing the most to the 2nd stratum (range: 15.0–33.5%), and BC/WA contributing the most to the 1st stratum (range: 13.2–28.1%). Russia contributions were consistent among June strata (range: 11.9–14.5%). The only other group to exceed 5% was Northern Alaska Peninsula-west in the 4th stratum.

Harvests increased during the June strata ranging from 9,855 in the 1st stratum to 59,016 in the last. Estimated stock-specific harvests varied among strata, with Japan, BC/WA, CWAK, and Russia dominating harvest in all strata (Figure 9, Appendices D60–D63). When the 4 temporal strata were combined, the total June seine harvest in the Southeastern and South Central Districts was 134,805 fish. Japan and CWAK made up most of the harvest in June with an estimated 43,279 (32.1%) and 31,458 (23.3%) fish, respectively (Appendix E33). BC/WA contributed an estimated 29,386 fish (21.9%), and Russia contributed an estimated 17,259 fish (12.8%). 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. CWAK was the largest contributor with 3,473 fish (45.0%), followed by Russia (988, 12.8%), Northern Alaska Peninsula-east (596, 7.7%), BC/WA (568, 7.4%), PWS (478, 6.2%), and Kodiak (423, 5.5%; Figure 10, Appendix D64). 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 142,569 fish. Japan and CWAK made up most of the harvest with an estimated 43,721 (30.7%) and 34,938 (24.5%), respectively (Appendix E34). BC/WA contributed an estimated 30,052 fish (21.1%), and Russia contributed an estimated 18,290 fish (12.8%). 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 Japan, CWAK, Russia, and BC/WA, with minor contributions from other groups (Figure 11, Appendices D65–68). Japan was the largest contributor to harvest, contributing the most to all but the 2nd June stratum (range: 27.6–43.2%), while CWAK contributed the most to the 2nd stratum (range: 19.2–28.4%). Russia and BC/WA contributions varied among June strata, ranging from 14.0–23.3% and 10.4–25.6%, respectively. The only other group to exceed 5% was Northern Alaska Peninsula-east (2nd stratum).

Harvests generally increased during June strata, ranging from 13,220 in the 1st stratum to 95,187 fish in the 3rd. Estimated stock-specific harvests varied among strata, with Japan, CWAK, Russia, and BC/WA dominating harvest in all strata (Appendices D65–68, Figure 10). When the 4 temporal strata were combined, the total June seine harvest in the Southeastern and South Central Districts was 201,110 fish. Japan and CWAK made up most of the harvest in June with an

estimated 74,537 (37.1%) and 41,441(20.6%) fish, respectively (Appendix E35). Russia contributed an estimated 38,872 fish (19.3%), and BC/WA contributed an estimated 28,879 fish (14.4%). 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 4 temporal strata. Most of the estimated harvest composition was from CWAK, Russia, Japan, and BC/WA, with lesser contributions from other groups (Figure 12, Appendices D69–D72). CWAK contributed the most to all June strata (range: 35.8–45.5%), and Russia contributed the 2nd most to all June strata (range: 14.5–21.0%). Japan and BC/WA contributions generally decreased among June strata, ranging from 6.3–17.3% and 7.8–19.6%, respectively. Other groups that exceeded a 5% contribution in at least 1 stratum were Northern Alaska Peninsula-east and Northern Alaska Peninsula-west.

Harvests decreased during June strata, ranging from 42,095 fish in the 1st stratum to 3,693 in the 4th. Estimated stock-specific harvests varied among strata with CWAK, Russia, and Japan dominating harvest in all strata (Figure 12, Appendices D69–D72). When the 4 temporal strata were combined, the total June gillnet harvest in the Unimak and Southwestern Districts was 107,309 fish. CWAK and Russia composed most of the harvest in June with an estimated 43,540 (40.6%) and 19,599 (18.3%) fish, respectively (Appendix E36). Japan contributed an estimated 16,830 fish (15.7%), and BC/WA contributed an estimated 15,860 fish (14.8%). 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 308,383 fish. Japan and CWAK made up most of the harvest in June with an estimated 91,288 (29.6%) and 84,913 fish (27.5%), respectively (Appendix E37). Russia contributed an estimated 58,515 fish (19.0%), and BC/WA contributed an estimated 44,882 fish (14.6%). No other group contributed more than 5% of the June harvest in the Unimak and Southwestern Districts.

2024 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 9 of the 12 strata, and sufficient samples were available for MSA in all 12 strata. However, the sample size for the 3rd stratum of the seine fishery in the Unimak and Southwestern Districts was below our desired minimum (Table 11).

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, with lesser contributions from Japan, BC/WA, and Russia.

South Alaska Peninsula/West Kodiak Island contributed the most to all July strata (range: 32.9–64.3%; Figure 9, Appendices D73–D75). Japan (range: 5.7–24.8%), BC/WA (range: 6.8–16.1%), and Russia (range: 4.6–12.5%) contributions generally decreased in July, with lesser contributions from other groups. The only other group to exceed 5% was Kodiak (3rd stratum).

Harvests varied across July strata and were highest in the last July stratum (range: 13,614–49,447). Estimated stock-specific harvests varied among strata with South Alaska Peninsula/West Kodiak Island contributing most of the harvest in all strata (Figure 9, Appendices D73–D75). When the 3 temporal strata were combined, the total July seine harvest in the Southeastern and South Central Districts was 93,984 fish. South Alaska Peninsula/West Kodiak Island made up most of the harvest in June with an estimated 46,901 (50.1%; Appendix E38). Japan contributed an estimated 13,055 fish (13.9%), BC/WA contributed an estimated 9,490 fish (10.1%), and Russia contributed an estimated 6,589 fish (7.0%). 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 and Kodiak reporting groups. South Alaska Peninsula/West Kodiak Island contributed the most to all July strata (range: 44.5–75.2%), and Kodiak contributed the 2nd most (range: 16.2–23.4%; Figure 10, Appendices D76–D78). Cook Inlet (range: 0.7–8.4%), CWAK (range: 0.0–5.9%), and PWS (range: 0.0–7.0%) were the only other groups to exceed 5%.

Harvests were low, ranging from 1,295 in the 2nd stratum to 2,704 fish in the 3rd. Estimated stock-specific harvests varied among strata, with South Alaska Peninsula/West Kodiak Island and Kodiak dominating harvest in all strata (Figure 10, Appendices D76–D78). When the 3 temporal strata were combined, the total July gillnet harvest in the Southeastern and South Central Districts was 5,699 fish. South Alaska Peninsula/West Kodiak Island and Kodiak made up most of the harvest in July with an estimated 3,572 (62.7%) and 1,176 (20.6%) fish, respectively (Appendix E39). 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 99,862 fish. South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 50,659 fish (50.9%; Appendix E40). Japan contributed an estimated 13,147 fish (13.2%), BC/WA contributed an estimated 9,612 fish (9.6%), Russia contributed an estimated 6,706 fish (6.7%), and Kodiak contributed an estimated 5,366 fish (5.4%). 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. Groups contributing the most to the 3 strata included South Alaska Peninsula/West Kodiak

Island (range: 6.1–81.7%), Russia (range: 2.4–24.5%), Japan (range: 4.4–23.6%), BC/WA (range: 2.3–18.1%), CWAK (0.0–11.7%), Kodiak (range: 0.1–6.6%), and Northern Alaska Peninsula-east (range: 0.0–5.6%; Figure 11, Appendices D79–D81). No other group contributed more than 5% to the July seine harvest in the Unimak and Southwestern Districts.

Harvests were low, ranging from 3,350 in the 3rd stratum to 7,799 fish in the 2nd. Estimated stock-specific harvests varied among strata (Figure 11, Appendices D79–D81). When the 3 temporal strata were combined, total July seine harvest in the Unimak and Southwestern Districts was 15,556 fish. South Alaska Peninsula/West Kodiak Island and Japan made up most of the harvest in July with an estimated 5,002 (32.1%) and 2,967 (19.1%) fish, respectively (Appendix E41). Russia contributed 2,562 fish (16.4%), and BC/WA contributed 1,605 fish (10.3%). No other group contributed more than 5% to the July seine harvest in the Unimak and Southwestern Districts.

Gillnet

The gillnet harvests during the July fishery in the Unimak and Southwestern Districts were represented by 3 temporal strata. South Alaska Peninsula/West Kodiak Island contributed the most to July harvests (range: 35.7–61.6%). Other groups contributing more than 5% included BC/WA (range: 7.1–21.4%), Northern Alaska Peninsula-west (range: 3.4–18.8%), CWAK (range: 0.6–14.6%), Russia (range: 0.7–10.2%), Kodiak (range: 0.4–9.3%), Southeast Alaska (range: 0.0–7.6%), Northern Alaska Peninsula-east (range: 1.1–5.9%), and Japan (range: 1.3–5.2%; Figure 12, Appendices D82–D84).

Harvests were low and increased throughout July from 278 to 7,996 fish. Estimated stock-specific harvests were similar among strata with South Alaska Peninsula/West Kodiak Island, Northern Alaska Peninsula-west, BC/WA, and Southeast Alaska dominating harvest in all strata (Figure 12, Appendices D82–D84). When temporal strata were combined, total July gillnet harvest in the Unimak and Southwestern Districts was 9,313 fish. South Alaska Peninsula/West Kodiak Island and BC/WA made up most of the harvest in July with an estimated 5,383 (58.0%) and 1,317 (14.2%) fish, respectively (Appendix E42). Northern Alaska Peninsula-west contributed an estimated 996 fish (10.7%), and Southeast Alaska contributed an estimated 623 fish (6.7%). 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 24,895 fish. South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 10,371 fish (41.8%), followed by Japan (3,150 fish, 12.7%), BC/WA (2,931 fish, 11.8), and Russia (2,694 fish, 10.8; Appendix E43). No other group contributed more than 5% of the July harvest to the Unimak and Southwestern Districts.

All July Harvests

The total July fishery harvest across all districts, gear types, and strata was smaller than June harvest and larger than the August harvest, with a total harvest of 124,709 fish. South Alaska Peninsula/West Kodiak Island contributed the largest proportion of the harvest in July with an estimated 61,166 fish (49.0%), followed by Japan (16,265 fish, 13.1%), BC/WA (12,529 fish,

10.1%), and Russia (9,425 fish, 7.5%; Appendix E44). No other group contributed more than 5% to the July harvest.

2024 August Fishery

August harvests were small and were associated with the last July stratum for each area and gear type. The seine harvest in the Southeastern and South Central Districts totaled 11,378, and the gillnet harvest totaled 859 (Appendix B5). The seine harvest in the Unimak and Southwestern Districts was 2,874 on August 22, 2024 (Appendix B6).

Age Compositions and Length Distributions by Fishery

2022 June Fishery

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. The estimated age composition of the harvest was primarily age-0.3 and -0.4 fish (Appendices C1–C4). Age-0.3 fish ranged from 63.3% to 70.0%, while age-0.4 fish ranged from 22.8% to 33.3% across the 4 strata. Age-0.2 fish were uncommon early but increased to 6.1% in the 4th June stratum. Overall, in the June seine fishery, the percentage of age-0.3 fish was 65.6%, and age-0.4 fish was 30.3%, and the mean size was estimated to be 555 mm (Figures 13 and 14, Appendix F1).

Gillnet

The gillnet harvests during the June fishery in the Southeastern and South Central Districts were represented by 1 temporal stratum (Appendix C5). The estimated age composition of the harvest was primarily age-0.3 and -0.4. The percentage of age-0.3 fish was 54.3%, and age-0.4 fish was 43.9%. Mean size was estimated at 558 mm (Figures 13 and 14, Appendix C5).

All Southeastern and South Central June Harvests

The estimated age composition of the total June fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3 and age-0.4 fish. The percentage of age-0.3 fish was 62.0%, and age-0.4 fish was 34.6%, and the mean size was estimated to be 556 mm (Appendix F2).

Unimak and Southwestern Districts

Seine

The seine harvests during the June fishery in the Unimak and Southwestern Districts were represented by 4 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C6–C9). The percentage of age-0.3 fish ranged from 62.9% to 73.7%, and age-0.4 fish ranged from 21.3% to 33.7% across all strata. Age-0.2 fish were uncommon early but increased to 13.6% in the 4th June stratum. Overall, in the June seine fishery, the percentage of age-0.3 fish was 67.5%, age-0.4 fish was 24.4%, and age-0.2 fish was 7.7%, and the mean size was estimated to be 531 mm (Figures 13 and 14, Appendix F3).

Gillnet

The gillnet harvests during the June fishery in the Unimak and Southwestern Districts were represented by 4 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C10–C13). The percentage of age-0.3 fish ranged from 61.1% to 69.2%, while age-0.4 fish ranged from 26.1% to 36.6% across all strata. Overall, in the June gillnet fishery, the percentage of age-0.3 fish was 65.9%, and age-0.4 fish was 31.2%, and the mean size was estimated to be 540 mm (Figures 13 and 14, Appendix F4).

All Unimak and Southwestern June Harvests

The estimated age composition of the total June fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 66.8%, age-0.4 fish was 27.5%, and age-0.2 fish was 5.2%, and the mean size was estimated to be 535 mm (Appendix F5).

2022 July Fishery

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. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C14–C16). The percentage of age-0.3 fish ranged from 66.3% to 74.3%, and age-0.4 fish ranged from 18.3% to 28.5% across all strata. Age-0.2 fish were uncommon early but increased to 9.3% in the 3rd July stratum. Overall, in the July seine fishery, the percentage of age-0.3 fish was 68.3%, age-0.4 fish was 25.1%, and age-0.2 fish was 6.4%, and the mean size was estimated to be 569 mm (Figures 13 and 14, Appendix F6).

Gillnet

The gillnet harvests during the July fishery in the Southeastern and South Central Districts were represented by 3 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C17–C19). The percentage of age-0.3 fish ranged from 59.7% to 67.3%, and age-0.4 fish ranged from 28.5% to 37.9% across all strata. Age-0.2 fish were uncommon early but increased to 5.3% in the 3rd July stratum. Overall, in the July gillnet fishery, the percentage of age-0.3 fish was 62.6%, and age-0.4 fish was 33.8%, and the mean size was estimated to be 566 mm (Figures 13 and 14, Appendix F7).

All Southeastern and South Central July Harvests

The estimated age composition of the total July fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 64.4%, age-0.4 fish was 30.3%, and age-0.2 fish was 5.0%, and the mean size was estimated to be 568 mm (Appendix F8).

Unimak and Southwestern Districts

Seine

The seine harvests during the July fishery in the Unimak and Southwestern Districts were represented by 2 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C20–C21). The percentage of age-0.3 fish decreased from 72.5% in the 1st July stratum to 61.0% in the 2nd July stratum, while age-0.4 fish increased from 22.5% in

the 1st July stratum to 34.5% in the 2nd July stratum. Overall, in the July seine fishery, the percentage of age-0.3 fish was 65.5%, and age-0.4 fish was 29.8%, and the mean size was estimated to be 574 mm (Figures 13 and 14, Appendix F9).

Gillnet

The gillnet harvests during the July fishery in the Unimak and Southwestern Districts were represented by 2 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C22–C23). The percentage of age-0.3 fish increased from 46.2% in the 1st July stratum to 56.6% in the 2nd July stratum, while age-0.4 fish decreased from 48.6% in the 1st July stratum to 34.6% in the 2nd July stratum. Age-0.2 fish increased from 5.2% in the 1st July stratum to 8.3% in the 2nd July stratum. Overall, in the July gillnet fishery, the percentage of age-0.3 fish was 53.1%, age-0.4 fish was 39.4%, and age-0.2 fish was 7.3%, and the mean size was estimated to be 568 mm (Figures 13 and 14, Appendix F10).

All Unimak and Southwestern July Harvests

The estimated age composition of the total July fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 57.4%, age-0.4 fish was 36.3%, and age-0.2 fish was 5.9%, and the mean size was estimated to be 571 mm (Appendix F11).

All July Harvests

The estimated age composition of the July fishery harvest across all districts, gear types (seine and gillnet), and strata was predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 62.7%, age-0.4 fish was 31.8%, and age-0.2 fish was 5.2%, and the mean size was estimated to be 568 mm (Appendix F12).

2022 August Fishery

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. The estimated age composition of the harvest was primarily age-0.3, -0.4, and -0.2 (Appendices C24–C25). The percentage of age-0.3 fish decreased from 64.6% in the 1st August stratum to 56.8% in the 2nd August stratum, while age-0.4 fish increased from 19.1% in the 1st August stratum to 22.0% in the 2nd August stratum. Age-0.2 fish increased from 15.9% in the 1st August stratum to 20.8% in the 2nd August stratum. Overall, in the August seine fishery, the percentage of age-0.3 fish was 61.3%, age-0.4 fish was 20.4%, and age-0.2 fish was 18.0%, and the mean size was estimated to be 559 mm (Figures 13 and 14, Appendix F13).

Unimak and Southwestern Districts

Seine

The seine harvests during the August fishery in the Unimak and Southwestern Districts were represented by 2 temporal strata. The estimated age composition of the harvest was primarily age-0.3, -0.4, and -0.2 (Appendices C26–C27). The percentage of age-0.3 fish decreased from 57.4% in the 1st August stratum to 47.3% in the 2nd August stratum, while age-0.4 fish increased from 19.3% in the 1st August stratum to 36.6% in the 2nd August stratum. Age-0.2 fish decreased

from 23.3% in the 1st August stratum to 16.1% in the 2nd August stratum. Overall, in the August seine fishery, the percentage of age-0.3 fish was 51.5%, age-0.4 fish was 29.4%, and age-0.2 fish was 19.1%, and the mean size was estimated to be 551 mm (Figures 13 and 14, Appendix F14).

South Alaska Peninsula Gillnet

The gillnet harvests during the August fishery in the South Alaska Peninsula area (Southeastern, South Central, Unimak and Southwestern Districts) were represented by 1 temporal stratum. The estimated age composition of the harvest was primarily age-0.3, -0.4, and -0.2. The percentage of age-0.3 fish was 58.9%, age-0.4 fish was 23.9%, and age-0.2 fish was 17.2%, and the mean size was estimated to be 562 mm (Figures 13 and 14, Appendix C28).

All August Harvests

The estimated age composition of the August fishery harvest across all districts, gear types (seine and gillnet), and strata were predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 56.5%, age-0.4 fish was 25.5%, and age-0.2 fish was 17.8%, and the mean size was estimated to be 557 mm (Appendix F15).

2023 June Fishery

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. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C29–C32). Age-0.3 fish ranged from 56.1% to 63.0%, while age-0.4 fish ranged from 34.4% to 41.5% across all strata. Overall, in the June seine fishery, the percentage of age-0.3 fish was 60.5%, and age-0.4 fish was 37.3%, and the mean size was estimated to be 564 mm (Figures 15 and 16, Appendix F16).

Gillnet

The gillnet harvests during the June fishery in the Southeastern and South Central Districts were represented by 1 temporal stratum. The estimated age composition of the harvest was primarily age-0.3 and -0.4. The percentage of age-0.3 fish was 63.2%, and age-0.4 fish was 34.5%, and the mean size was estimated at 553 mm (Figures 15 and 16, Appendix C33).

All Southeastern and South Central June Harvests

The estimated age composition of the total June fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3 and age-0.4 fish. The percentage of age-0.3 fish was 61.1%, and age-0.4 fish was 36.7%, and the mean size was estimated to be 562 mm (Appendix F17).

Unimak and Southwestern Districts

Seine

The seine harvests during the June fishery in the Unimak and Southwestern Districts were represented by 4 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C34–C37). The percentage of age-0.3 fish ranged from 53.4% to 57.0%, while age-0.4 fish ranged from 40.4% to 43.3% across all strata. Overall, in the June seine

fishery, the percentage of age-0.3 fish was 55.3%, and age-0.4 fish was 42.0%, and the mean size was estimated to be 562 mm (Figures 15 and 16, Appendix F18).

Gillnet

The gillnet harvests during the June fishery in the Unimak and Southwestern Districts were represented by 4 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C38–C41). The percentage of age-0.3 fish ranged from 59.3% to 63.3%, while age-0.4 fish ranged from 35.4% to 38.1% across all strata. Overall, in the June gillnet fishery, the percentage of age-0.3 fish was 60.5%, and age-0.4 fish was 37.4%, and the mean size was estimated to be 556 mm (Figures 15 and 16, Appendix F19).

All Unimak and Southwestern June Harvests

The estimated age composition of the total June fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3 and age-0.4 fish. The percentage of age-0.3 fish was 57.5% and age-0.4 fish was 40.0%, and the mean size was estimated to be 559 mm (Appendix F20).

2023 July Fishery

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. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C42–C44). The percentage of age-0.3 fish ranged from 63.8% to 76.0%, while age-0.4 fish ranged from 16.7% to 31.2% across all strata. Age-0.2 fish ranged from 3.9% to 6.8% across all strata. Overall, in the July seine fishery, the percentage of age-0.3 fish was 68%, and age-0.4 fish was 26.8%, and the mean size was estimated to be 564 mm (Figures 15 and 16, Appendix F21).

Gillnet

The gillnet harvests during the July fishery in the Southeastern and South Central Districts were represented by 3 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C45–C47). The percentage of age-0.3 fish ranged from 56.1% to 66.4%, while age-0.4 fish ranged from 30.1% to 39.1% across all strata. Overall, in the July gillnet fishery, the percentage of age-0.3 fish was 59.7%, and age-0.4 fish was 36.3%, and the mean size was estimated to be 572 mm (Figures 15 and 16, Appendix F22).

All Southeastern and South Central July Harvests

The estimated age composition of the total July fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3 and age-0.4 fish. The percentage of age-0.3 fish was 64.8%, and age-0.4 fish was 30.3%, and the mean size was estimated to be 567 mm (Appendix F23).

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 age composition of the harvest was primarily age-0.3, -0.4, and -0.2 (Appendices C48–C50). The percentage of age-0.3 fish ranged from 60.5% to 70.1%, while age-0.4 fish ranged from 17.9% to 26.8% across all strata. Age-0.2 fish ranged from 2.8% to 20.2% across all strata. Overall, in the July seine fishery, the percentage of age-0.3 fish was 63.7%, age-0.4 fish was 21.6%, and age-0.2 fish was 13.9%, and the mean size was estimated to be 535 mm (Figures 15 and 16, Appendix F24).

Gillnet

The gillnet harvests during the July fishery in the Unimak and Southwestern Districts were represented by 3 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C51–53). The percentage of age-0.3 fish ranged from 73.7% to 84.9%, while age-0.4 fish ranged from 13.4% to 24.0% across all strata. Overall, in the July gillnet fishery, the percentage of age-0.3 fish was 75.4%, and age-0.4 fish was 22.4%, and the mean size was estimated to be 562 mm (Figures 15 and 16, Appendix F25).

All Unimak and Southwestern July Harvests

The estimated age composition of the total July fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 67.0%, age-0.4 fish was 21.9%, and age-0.2 fish was 10.4%, and the mean size was estimated to be 543 mm (Appendix F26).

All July Harvests

The estimated age composition of the July fishery harvest across all districts, gear types (seine and gillnet), and strata was predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 65.7%, age-0.4 fish was 26.8%, and age-0.2 fish was 6.6%, and the mean size was estimated to be 557 mm (Appendix F27).

2023 August Fishery

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. The estimated age composition of the harvest was primarily age-0.3 and -0.4, (Appendices C54–C55). The percentage of age-0.3 fish increased from 80.4% in the 1st August stratum to 82.2% in the 2nd August stratum, while age-0.4 fish decreased from 15.8% in the 1st August stratum to 12.1% in the 2nd August stratum. Age-0.2 fish increased from 3.2% in the 1st August stratum to 5.0% in the 2nd August stratum. Overall, in the August seine fishery, the percentage of age-0.3 fish was 81.1%, and age-0.4 fish was 14.4%, and the mean size was estimated to be 562 mm (Figures 15 and 16, Appendix F28).

Gillnet

The gillnet harvests during the August fishery in the Southeastern and South Central Districts were represented by 1 temporal stratum. The estimated age composition of the harvest was primarily

age-0.3 and -0.4. The percentage of age-0.3 fish was 72.2%, and age-0.4 fish was 23.6%, and the mean size was estimated to be 575 mm (Figures 15 and 16, Appendix C56).

All Southeastern and South Central August Harvests

The estimated age composition of the total August fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, were predominated by age-0.3 and age-0.4 fish. The percentage of age-0.3 fish was 77.4%, and age-0.4 fish was 18.2%, and the mean size was estimated to be 568 mm (Appendix F29).

Unimak and Southwestern Districts

Seine

The seine harvests during the August fishery in the Unimak and Southwestern Districts were represented by 2 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C57–C58). The percentage of age-0.3 fish increased from 81.2% in the 1st August stratum to 87.1% in the 2nd August stratum, while age-0.4 fish decreased from 16.4% in the 1st August stratum to 10.8% in the 2nd August stratum. Overall, in the August seine fishery, the percentage of age-0.3 fish was 83.3%, and age-0.4 fish was 14.4%, and the mean size was estimated to be 567 mm (Figures 15 and 16, Appendix F30).

Gillnet

The gillnet harvests during the August fishery in the Unimak and Southwestern Districts were represented by 1 temporal stratum. The estimated age composition of the harvest was primarily age-0.3 and -0.4. The percentage of age-0.3 fish was 79.0%, and age-0.4 fish was 18.3%, and the mean size was estimated to be 565 mm (Figures 15 and 16, Appendix C59).

All Unimak and Southwestern August Harvests

The estimated age composition of the total August fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3 and age-0.4 fish. The percentage of age-0.3 fish was 82.3%, and age-0.4 fish was 15.3%, and the mean size was estimated to be 567 mm (Appendix F31).

All August Harvests

The estimated age composition of the August fishery harvest across all districts, gear types (seine and gillnet), and strata was predominated by age-0.3 and age-0.4 fish. The percentage of age-0.3 fish was 79.8%, and age-0.4 fish was 16.8%, and the mean size was estimated to be 567 mm (Appendix F32).

2024 June Fishery

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. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C60–C63). Age-0.3 fish ranged from 70.3% to 73.6%, while age-0.4 fish ranged from 20.4% to 24.4% across all strata. Age-0.2 fish ranged from 1.5% to 5.8% across all strata. Overall, in the June seine fishery, the percentage of age-0.3 fish was 72.1%, and

age-0.4 fish was 22.5%, and the mean size was estimated to be 548 mm (Figures 17 and 18, Appendix F33).

Gillnet

The gillnet harvests during the June fishery in the Southeastern and South Central Districts were represented by 1 temporal stratum. The estimated age composition of the harvest was primarily age-0.3 and -0.4. The percentage of age-0.3 fish was 56.6%, and age-0.4 fish was 38.5%, and the mean size was estimated to be 553 mm (Figures 17 and 18, Appendix C64).

All Southeastern and South Central June Harvests

The estimated age composition of the total June fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, were predominated by age-0.3 and age-0.4 fish. The percentage of age-0.3 fish was 68.4%, and age-0.4 fish was 26.3%, and the mean size was estimated to be 550 mm (Appendix F34).

Unimak and Southwestern Districts

Seine

The seine harvests during the June fishery in the Unimak and Southwestern Districts were represented by 4 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C65–C68). The percentage of age-0.3 fish ranged from 65.9% to 71.1%, while age-0.4 fish ranged from 13.3% to 28.5% across all strata. Age-0.2 fish were uncommon early but increased to 15.3% in the 4th June stratum. Overall, in the June seine fishery, the percentage of age-0.3 fish was 69.2%, age-0.4 fish was 21.0%, and age-0.2 fish was 9.1%, and the mean size was estimated to be 545 mm (Figures 17 and 18, Appendix F35).

Gillnet

The gillnet harvests during the June fishery in the Unimak and Southwestern Districts were represented by 4 temporal strata. The estimated age composition of the harvest was primarily age-0.3 and -0.4 (Appendices C69–C72). The percentage of age-0.3 fish ranged from 59.7% to 64.3%, while age-0.4 fish ranged from 31.9% to 37.8% across all strata. Overall, in the June gillnet fishery, the percentage of age-0.3 fish was 61.9%, and age-0.4 fish was 35.2%, and the mean size was estimated to be 545 mm (Figures 17 and 18, Appendix F36).

All Unimak and Southwestern June Harvests

The estimated age composition of the total June fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 65.6%, age-0.4 fish was 27.9%, and age-0.2 fish was 5.3%, and the mean size was estimated to be 545 mm (Appendix F37).

2024 July Fishery

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. The estimated age composition of the harvest was primarily age-0.3, -0.4, and -0.2 (Appendices C73–C75). The percentage of age-0.3 fish ranged from 45.5% to

60.4%, while age-0.4 fish ranged from 24.0% to 32.5% across all strata. Age-0.2 fish ranged from 10.7% to 20.6% across all strata. Overall, in the July seine fishery, the percentage of age-0.3 fish was 56.6%, age-0.4 fish was 27.5%, and age-0.2 fish was 14.5%, and the mean size was estimated to be 565 mm (Figures 17 and 18, Appendix F38).

Gillnet

The gillnet harvests during the July fishery in the Southeastern and South Central Districts were represented by 3 temporal strata. The estimated age composition of the harvest was primarily age-0.3, -0.4, and -0.2 (Appendices C76–C78). The percentage of age-0.3 fish ranged from 40.2% to 53.4%, while age-0.4 fish ranged from 36.9% to 42.9% across all strata. Age-0.2 fish ranged from 6.4% to 18.6% across all strata. Overall, in the July gillnet fishery, the percentage of age-0.3 fish was 46.6%, age-0.4 fish was 39.6%, and age-0.2 fish was 11.9%, and the mean size was estimated to be 575 mm (Figures 17 and 18, Appendix F39).

All Southeastern and South Central July Harvests

The estimated age composition of the total July fishery harvest in the Southeastern and South Central Districts, including both gear types (seine and gillnet) and all strata, were predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 52.4%, age-0.4 fish was 32.6%, and age-0.2 fish was 13.4%, and the mean size was estimated to be 569 mm (Appendix F40).

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 age composition of the harvest was primarily age-0.3, -0.2, and -0.4 (Appendices C79–C81). The percentage of age-0.3 fish ranged from 45.9% to 58.9%, while age-0.4 fish ranged from 17.9% to 35.1% across all strata. Age-0.2 fish ranged from 18.9% to 25.0% across all strata. Overall, in the July seine fishery, the percentage of age-0.3 fish was 53.6%, age-0.2 fish was 23.2%, and age-0.4 fish was 20.0%, and the mean size was estimated to be 532 mm (Figures 17 and 18, Appendix F41).

Gillnet

The gillnet harvests during the July fishery in the Unimak and Southwestern Districts were represented by 3 temporal strata. The estimated age composition of the harvest was primarily age-0.3, -0.4, and -0.2 (Appendices C82–C84). The percentage of age-0.3 fish ranged from 48.3% to 58.0%, while age-0.4 fish ranged from 27.6% to 35.3% across all strata. Age-0.2 fish ranged from 8.8% to 20.6% across all strata. Overall, in the July gillnet fishery, the percentage of age-0.3 fish was 52.4%, age-0.4 fish was 30.0%, and age-0.2 was 16.7%, and the mean size was estimated to be 560 mm (Figures 17 and 18, Appendix F42).

All Unimak and Southwestern July Harvests

The estimated age composition of the total July fishery harvest in the Unimak and Southwestern Districts, including both gear types (seine and gillnet) and all strata, was predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 53.2%, age-0.4 fish was 23.9%, and age-0.2 fish was 20.7%, and the mean size was estimated to be 543 mm (Appendix F43).

All July Harvests

The estimated age composition of the July fishery harvest across all districts, gear types (seine and gillnet), and strata was predominated by age-0.3, age-0.4, and age-0.2 fish. The percentage of age-0.3 fish was 52.7%, age-0.4 fish was 29.1%, and age-0.2 fish was 16.3%, and the mean size was estimated to be 558 mm (Appendix F44).

Summary of Harvests of Asia and Coastal Western Alaska Chum Salmon

Harvests of both Asia and CWAK stocks were typically greater in the June fishery than in the post-June fishery. Harvests of Asia chum salmon averaged 202,931 in the June fishery across 2022–2024, 54,138 in the post-June fishery, and 257,116 across both fisheries in the South Alaska Peninsula area (Table 25). Harvests of CWAK chum salmon averaged 91,411 in the June fishery across 2022–2024, 11,311 in the post-June fishery, and 102,766 across both fisheries in the South Alaska Peninsula area (Table 25). The ratio of Asia to CWAK fish (Asia/CWAK) ranged from 1.39–7.41, was typically greatest in the post-June fishery, and averaged 2.53 across all harvests in the South Alaska Peninsula area in 2022–2024. This means that for every chum salmon harvested from CWAK, 2.53 chum salmon from Asia were harvested (Figure 19).

Summary of Individual Assignments and Paired Data

Five reporting groups were identified in the individual assignment: Japan, Russia, Western Alaska, Gulf of Alaska, and BC/WA.

Stock-specific Ages

A total of 24,618 individuals met assignment thresholds and had a valid age estimate (Table 26). Across 2022–2024, more Japanese chum salmon were slightly younger in the post-June fishery than the June fishery, a trend consistent for all stocks in all years except for BC/WA, which did not show a difference in ages between the June and post-June fisheries. Chum salmon from BC/WA were generally the youngest stock harvested in the South Alaska Peninsula fishery (Table 26, Figure 20), whereas Russia and Western Alaska were the oldest stocks.

Stock-specific Lengths-at-Age

A total of 24,616 individuals met assignment thresholds and had valid age estimates and length measurements (Table 27). Trends in length-at-age were consistent among years, with Russia chum salmon generally being shorter at age than other stocks (Table 27, Figure 21).

Stock-specific Day of Year of Harvest

A total of 24,618 individuals met assignment thresholds with a recorded date of harvest (Table 28). When looking at the average day of year of harvest, Japan, Russia, and Western Alaska chum salmon were consistently harvested around days 175–176, which is June 24–25 in non-leap years (Table 28, Figure 22). In contrast, Gulf of Alaska chum salmon were harvested on average on July 24, with BC/WA somewhat intermediate on June 30.

DISCUSSION

PROJECT SUMMARY

Precise Estimates of Stock and Age of Harvests

We collected 43,843 samples of tissue for genetic analysis from chum salmon harvested in the major South Alaska Peninsula fisheries over the 2022–2024 fishing seasons. Tissue samples were collected nearly every day when the fishery was open, and deliveries occurred. From these samples, we selected 29,767 subsamples of genetic tissues in proportion to catch within 84 strata defined by designated time periods, areas, and gear type. We genotyped these samples for 96 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 2022–2024 harvests resulted in genetic analysis of approximately 1 of every 84 fish harvested in 2022–2024, a much higher analysis rate than the 1 of every 125 fish harvested in the WASSIP years (Eggers et al. 2011). This analysis rate is higher than most MSA programs, resulting in well-represented estimates of stock-specific harvests. We also measured the length and estimated ages from 44,642 and 40,218 catch samples, respectively, providing estimates of age and length compositions of South Alaska Peninsula harvests, estimates of stock-specific ages, lengths-at-age, and day of year of harvest, as well as valuable context for interpretation of stock composition estimates and resource management.

Deviations from Original Sampling Plan

Small harvests limited our ability to achieve sampling goals for all strata. We were able to follow the analysis plan laid out in the project operational plan (Foster and Dann 2022) for June. However, limited catches in July and August, particularly from the Unimak and Southwestern Districts, and in 2024, hampered our ability to sample catches on every day that harvest occurred in those months. As a result, we had fewer strata in those months than proposed initially and associated some small harvests in August 2024 with the last strata of July 2024. Our plan to analyze 93 strata over 3 years was reduced to 84 strata. However, because a majority of harvests were represented, stratified estimates corresponding to WASSIP (June and post-June fisheries) are well represented by catch samples and are comparable to historical estimates.

GUIDE TO INTERPRETING RESULTS

Interpreting the results from this report requires an understanding of the precision and accuracy of the estimates provided. For stock composition estimates, precision is affected by 3 main sources of uncertainty: (1) the size and representative nature of the catch sample, (2) the representativeness of the genetic baseline, and (3) the ability of the statistical method to estimate stock composition accurately and precisely, which is dependent on the underlying genetic distinctiveness of each stock (Koljonen et al. 2005). Here, we highlight reasons why we believe these sources of uncertainty have been minimized, giving us a high degree of confidence in the results reported here.

Size and Representativeness of the Catch Samples

We set a minimum sample size of 100 and a target sample size of 380 fish to represent each temporal-area-gear stratum. Under a worst-case scenario of 2 to 3 stocks contributing equally to

the harvest, this level of sampling should provide estimates that are within 8% (n = 100) and 5% (n = 380) of the true proportion 90% of the time of the time, assuming no genetic error (Thompson 1987). Most of the time, stock compositions are different from these worst-case conditions, and greater precision is possible given target sample sizes.

To increase the representativeness of the catch sample, samples were generally taken over time within a temporal stratum (typically daily). This sampling design was used to provide a better representation of potential changes in stock composition through time within area and gear strata. In total, we sampled approximately 2% of total harvests in distributions representative of harvest magnitudes among areas, gear types, and time periods (Tables 8–11). We analyzed approximately 1 in 84 harvested fish (Table 8), providing high confidence that the catch samples are representative of the harvest. Specific catch sampling details, including stratum affiliation, dates sampled, and date-specific sample sizes, can be found in Appendices B1–B6.

Representation and Genetic Distinctiveness of Contributing Populations

The new baseline that was used includes populations of chum salmon sampled around the Pacific Rim from Japan to the State of Washington, totaling 42,165 individuals from 532 collections representing 382 populations (Appendix A1–A2). The large increase in the number of individuals and the addition of 72 populations compared to the previously used baseline (WASSIP; DeCovich et al. 2012) better represent the production of chum salmon across the species range and the genetic diversity among populations and reporting groups. The baseline was constructed using updated methodologies that included improved definitions and evaluations of reporting groups used in both proportional mixed stock analysis and individual assignment. This improved approach to defining reporting groups gives us confidence that the underlying genetic distinctiveness of each group provides accurate and precise estimates of stock composition and stock-specific harvest for 13 reporting groups. We also assigned individual fish to 5 broad-scale reporting groups that allowed us to characterize stock-specific ages, lengths-at-age, and day of year of harvest. Most reporting groups identified in the current baseline are comparable to estimates from previous studies (e.g., WASSIP), either by directly representing populations from the same regions (e.g., CWAK) or through the stratified estimator approach to collapse reporting groups for comparison (e.g., Japan and Russia into Asia). A complete description of the baseline can be found in Barclay et al. (2024).

UPDATE TO BOTH WASSIP AND PRELIMINARY 2022 STUDY

Differences from Previous Methods

This study shared many similarities to the 2007–2009 WASSIP study and the preliminary 2022 study (Dann et al. 2023) but also differed in some important respects that merit consideration. Aspects of this study's methods to consider when comparing estimates are the baseline used to estimate stock compositions, the design and rate of fishery sampling and genetic analysis, additional analyses that were not available from WASSIP, how the fishery was prosecuted, and an inability to estimate harvest rates.

The baseline used to conduct the analyses for 2022–2024 samples was improved over the WASSIP baseline (and therefore the baseline used for the preliminary 2022 analysis) in 3 primary ways: (1) increase in the number of individuals and populations representing production and genetic diversity across the range, especially from 3 regions; (2) improved methodology used to evaluate reporting groups; and (3) revised reporting groups for stock composition estimates. While most reporting groups are directly comparable with WASSIP, the populations in South Alaska

Peninsula, Chignik, and West Kodiak were combined into a single reporting group; thus, the South Alaska Peninsula/West Kodiak Island group is not directly comparable with the WASSIP South Peninsula group. However, representativeness and statistical performance are improved, giving us increased confidence in the MSA results for these fisheries.

The temporal and spatial extent of harvest sampling and analysis has many similarities to and some differences from WASSIP. Temporally, sampling occurred over a similar time frame and resolution, but this project extended further into August to encompass the entire season. Spatially, the sampled areas are similar; however, in 2022–2024, the Unimak and Ikatan areas were combined to better represent fleet dynamics and characteristics of the modern fishery. Similarly, the Shumagin Islands and Southeastern District Mainland (SEDM) areas were combined. Due to changes in the way Dolgoi Island is now managed and the fact that sampling is now gear specific, the Dolgoi Island area sampled in WASSIP, which overlaps both the Southwestern and South Central Districts, was divided. The parts were recombined into their respective districts. The result was 2 major sampling areas: the Unimak and Southwestern Districts and the Southeastern and South Central Districts, resulting in essentially "West" and "East" South Alaska Peninsula areas. Although the number of sampling areas decreased compared to WASSIP, the sampling and analysis rate for this project was increased.

A key difference from WASSIP was the separation of sampling and analysis by gear type (seine, drift gillnet, and set gillnet). This change enabled greater resolution of gear selectivity and provided insight into the nature of spatial and fleet differences among gear types. An added benefit of this separation was greater efficiency in tracking samples, which was more challenging than in the past as the presence of COVID-19 radically altered protocols within the processing industry for collecting samples from vessels, tenders, and land-based processing facilities. Similarly, harvest totals differed greatly between seine and gillnet gear types, allowing for more accurate and precise estimates of overall harvest when weighting gear-specific estimates by their respective harvests.

A major addition to this study beyond what WASSIP provided was the pairing of age and length measurements with genetic tissue collection. Summaries of age and length composition among strata provide valuable context when interpreting stock composition estimates. Particularly with respect to differences in size selectivity between seine and gillnet gear types, estimates of age composition provide valuable context for interpreting stock composition estimates, and will provide the opportunity to combine the 2 data types in analyses to estimate stock-specific cohort abundances in the future. In addition, with the new baseline's ability to assign individuals to broad reporting groups, we were able to characterize stock-specific estimates and trends in age, length-at-age, and day of year of harvest, providing further context for estimates of stock-specific harvest and associated trends.

Management of the commercial salmon fishery in the South Alaska Peninsula has changed somewhat since the WASSIP chum salmon sampling years of 2007–2009. The general framework for South Alaska Peninsula salmon management was established by the board in 2004, with time and area modifications made at the 2004, 2007, 2013, 2016, and 2019 Board of Fisheries meetings. The biggest difference among 2007–2009 and 2022 fishery management was in the Dolgoi Island area, where in 2019 the board removed purse seine gear in June and the harvest in that area was substantially reduced. In 2023, the board made additional changes to the South Unimak and Shumagin Islands June Salmon Management Plan (as described above), and in 2023 and 2024, 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.

Finally, we did not calculate harvest rates primarily because it was beyond the scope of this study as outlined in the Operational Plan (Foster and Dann 2022). Further, some of the components needed to estimate total run, which is used to estimate harvest rates, are not available for 2022–2024 as they were for the WASSIP years (e.g. stock-specific harvest outside of the South Alaska Peninsula, escapement from discontinued assessment projects, etc.). Changes in the absolute and relative abundance of chum salmon stocks, in marine and freshwater environments, and in how fisheries were prosecuted (e.g., regulation changes, fishery closures, etc.), combine to make it challenging to use results from WASSIP (ADF&G 2023). Using results from WASSIP or making other associated assumptions to estimate total run would probably result in incorrect estimates of harvest rates and associated interpretations. We encourage readers interested in harvest rates to work with area and regional biologists with access to run component data to determine the potential estimates of harvest rates.

Comparison of Overall Results with Previous Results

While the overall results that we report are largely similar to 2022 with respect to the relative abundance of stocks in commercial harvests of the South Alaska Peninsula area fisheries, there are some important differences between 2007–2009 WASSIP years and 2022–2024. Overall, there was an increase in contributions from Asian and East of Kodiak and a decrease in CWAK fish between the 2 time periods. Asia contributed 25% on average in the WASSIP years to the June fishery and 9% to the post-June fishery compared to 48% to the June fishery 2022–2024 and 15% to the post-June fishery (Table 29, Figure 23). This increase in relative abundance corresponded with a decrease in relative abundance for CWAK in the June fishery (see below).

Harvest of Coastal Western Alaska and Asian Stocks

The relative presence of Asia and CWAK stocks in South Alaska Peninsula harvests was markedly different in 2022–2024 than observed in the WASSIP years. As noted above, the relative abundance of Asia chum salmon increased compared to CWAK chum salmon in more recent years. Averaging across 2022–2024, 2.50 Asia chum salmon were harvested for every CWAK chum salmon, whereas the average ratio of Asia to CWAK among 2007–2009 was 0.56 (Table 25). Similar to the WASSIP years, the majority of stock-specific total harvest occurred in the June fishery, with minimal harvest of either stock in the post-June fishery. In 2022–2024, an average of 87% of the total harvest of CWAK occurred in the June fishery, whereas the average for Asia chum salmon was 75% (Table 25). Overall, updated results from 2023 to 2024 largely align with the general trends observed in 2022 as far as when and where Asia and CWAK chum salmon were observed. In terms of relative abundance of chum salmon from the 2 groups, CWAK represented a slightly greater portion of the overall June fishery total in 2023–2024 (average 28%) compared to 2022 (18%; Table 29, Figure 23), accompanied by a complementary decrease in the contribution of chum salmon from Asia. One benefit of applying the new baseline to 2022–2024 analyses is the ability to distinguish between chum salmon from Japan and Russia, which together make up the Asia component. In the following section, we describe general trends in when, where, and in which gear type stocks are most often harvested.

STOCK-SPECIFIC PATTERNS OF HARVEST

We produced 84 sets of estimates of stock composition and stock-specific harvests at the individual strata level. To help readers identify stock-specific patterns in harvest across temporal periods, areas, gear types, and years, we summarized reporting-group-specific stock compositions and harvest estimates for all strata in Appendices G1–G13. What follows are summaries of stock-specific trends observed in both proportions, indicating a stock's vulnerability, and in harvest, indicating overall impact, across strata defined by time, space, and gear types.

Japan

Chum salmon from Japan were most often observed in June and in seine harvests (Appendix G1). When the Japan reporting group was observed in gillnet harvests, it was at a much higher rate in the Unimak and Southwestern Districts than in the Southeastern and South Central Districts. These trends were generally consistent across years. Considering harvests, the Japanese gillnet fleet recorded a low average (range: 0–7,325), with slightly greater harvests in the Unimak and Southwestern Districts than in the Southeastern and South Central Districts, and harvests were highest in late June.

Russia

Chum salmon from Russia were most often observed consistently in June and throughout early July (Appendix G2). There were no great differences between gear types or areas, suggesting the Russia reporting group was equally vulnerable to both gear types and present in both areas. A majority of harvest of Russia occurred in the seine fleet in June.

Kotzebue Sound

Chum salmon from Kotzebue Sound were not observed in large proportions except for in June of 2022 (average 3.9%, range: 0.9–7.6%), and were not observed in high percentages during the post-June fishery (average: 0.3%, range: 0.0–5.7%; Appendix G3). There was a low harvest of Kotzebue Sound chum salmon among strata (average: 399, range: 0–5,993).

Coastal Western Alaska

The highest observations of chum salmon from CWAK were generally in early June, with declining contributions to harvest through time (Appendix G4). The CWAK reporting group appeared more vulnerable to the gillnet fleet in the Unimak and Southwestern Districts than Southeastern and South Central Districts, but appeared equally vulnerable to the seine fleet in both areas. More CWAK chum salmon were harvested in the seine fleet and in the Unimak and Southwestern Districts.

Upper Yukon River

Chum salmon from the Upper Yukon River were not observed in large proportions except for minor contributions in July of 2024 in the Unimak and Southwestern Districts (average: 0.8%, range: 0.0–2.6%; Appendix G5). There was a low harvest of Upper Yukon River chum salmon in South Alaska Peninsula fisheries (average: 76, range: 0–1,471).

Northern Alaska Peninsula-east

Chum salmon from the Northern Alaska Peninsula-east were not observed in large proportions, but when they were, they were often observed in late June and July, and in the Unimak and

Southwestern Districts (Appendix G6). There was low harvest of Northern Alaska Peninsula-east chum salmon among strata (average: 354, range: 1–2,630).

Northern Alaska Peninsula-west

Observations of chum salmon from the Northern Alaska Peninsula-west were minimal in early June, increasing to their greatest presence in late July, which was greatest in the Unimak and Southwestern Districts, and were generally larger in the gillnet fleet than the seine fleet (Appendix G7). There was a low harvest of Northern Alaska Peninsula-west chum salmon, but harvests were greater in the seine fleet than the gillnet fleet (average: 681, range: 1–6,000).

South Alaska Peninsula/West Kodiak Island

Observations of chum salmon from the South Alaska Peninsula/West Kodiak Island were minimal in early June. However, they became the largest contributor to harvests in late July and August (Appendix G8). South Alaska Peninsula/West Kodiak Island appeared more vulnerable to the gillnet fleet than to the seine fleet, and was equally vulnerable in both areas. Far more South Alaska Peninsula/West Kodiak Island chum salmon were harvested in the seine fleet than the gillnet fleet, and in the Southeastern and South Central Districts, except in 2023 when harvests were greatest and roughly equal among areas.

Kodiak

Observations of chum salmon from Kodiak were greatest in late July and August, were higher in the Southeastern and South Central Districts, and were not consistently different between gear types (Appendix G9). Far more Kodiak chum salmon were harvested in the seine fleet than in the gillnet fleet, and in the Southeastern and South Central Districts.

Cook Inlet

Observations of chum salmon from Cook Inlet were greatest in late July, were higher in the Southeastern and South Central Districts, and were higher in the gillnet fleet (Appendix G10). Cook Inlet chum salmon were not really observed in the Unimak and Southwestern Districts except for early July in the seine fleet in 2022. Harvest of Cook Inlet chum salmon was low, but was greater in the seine fleet than the gillnet fleet and in the Southeastern and South Central Districts (average: 179, range: 0–2,417).

Prince William Sound

Observations of chum salmon from Prince William Sound were greatest in June and July and were higher in the gillnet fleet (Appendix G11). The highest observations of Prince William Sound chum salmon in 2 of 3 years were in the gillnet harvests in June in the Southeastern and South Central Districts. Harvest of Prince William Sound chum salmon was low but was typically greater in the seine fleet than the gillnet fleet and in the Southeastern and South Central Districts (average: 945, range: 1–6,628).

Southeast Alaska

Observations of chum salmon from Southeast Alaska were consistently less than 5% except for 3 gillnet strata in the Unimak and Southwestern Districts (Appendix G12). There were no apparent trends among time periods, areas, or gear types. Harvest of Southeast Alaska chum salmon was low but was typically greater in the seine fleet than the gillnet fleet (average: 394, range: 0–3,618).

British Columbia/Washington

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 (Appendix G13). Harvest of BC/WA chum salmon was greater in the seine fleet than the gillnet fleet, in late June, and in the Southeastern and South Central Districts.

COMMENTS ON AGE AND LENGTH COMPOSITIONS

Comparing mean sizes of chum salmon sampled in the South Alaska Peninsula fisheries, there were increases between the June and July time frame for each fishery/gear combination followed by subsequent decreases in mean size and size distributions in August during 2022 (Figure 13). In 2023, mean size of chum salmon in the gillnet fisheries increased during June, July, and August (Figure 15). The mean size of chum salmon in the Southeastern and South Central Districts seine fisheries was similar during June, July, and August, while size in the Unimak and Southwestern Districts seine fisheries varied through time, with fish being the smallest in July and the largest in August (Figure 15). In 2024, mean sizes of chum increased between June and July for each fishery/gear combination except for the Unimak and Southwestern District seine fisheries where fish were larger in June than in July (Figure 17). Examination of 95% confidence intervals suggests these differences are of statistical significance, though biological significance is unknown.

Trends in age compositions between June and July fisheries (by gear) are less evident than for mean lengths (Figures 14, 16, 18; Appendix C). However, an increase in the estimated percentage of age-0.2 fish was observed in the August samples compared to both June and July fisheries in 2022 (Figure 14). During 2023, an increase in the estimated percentage of age-0.2 fish was observed in the July samples compared to both June and August fisheries, although August age composition estimates of age-0.2 fish remained higher than June (Figure 16). In 2024, age samples were only collected in June and July and showed an increase in the estimated percentage of age-0.2 fish between June and July (Figure 18). The August age composition estimates should be indicative of the age composition of the local stock escapement, assuming most are migrating mature fish preparing to spawn, as evidenced by the stock composition estimates. In comparison to historical age composition estimates on the South Alaska Peninsula in late July and August from the commercial fishery in 1998 (Nelson et al. 1999), 2022 showed decreases in age-0.3 percent (73% in 1998) and increases in age-0.2 (5% in 1998). In August 2023, age-0.3 fish were observed in similar proportions to historical age composition estimates and greater than 2022 (Appendix F32).

COMMENTS ON STOCK-SPECIFIC AGES, LENGTHS-AT-AGE, AND DAY OF YEAR OF HARVEST

Individual assignment paired with age, length, and date of harvest provided the first estimates of stock-specific ages, lengths-at-age, and day of year of harvest from South Alaska Peninsula commercial fisheries. These results provide an ecological context for the stock-specific harvest estimates and may help inform management of these broad-scale groups of populations. We observed that Japanese chum salmon are more often caught in June than in the post-June fisheries, and harvest of younger-aged fish increases as the season progresses, a trend consistent for all stocks except for BC/WA in 2022 (Table 26, Figure 20). Russian chum salmon are, on average, the oldest of the 5 stocks, and BC/WA are the youngest. Russian chum salmon are, on average, shorter at a

given age than other stocks, and we generally observed consistent lengths-at-age among the 3 years (Table 27, Figure 21). Japan, Russia, and Western Alaska chum salmon are most commonly harvested around the same time of year (June 23–25), while chum salmon originating from the Gulf of Alaska, which includes local South Alaska Peninsula populations, are harvested the latest on average (July 24; Table 28, Figure 22). While beyond the scope of this project, the paired nature of individual assignments with data such as age, length, date, area, and gear type provides opportunity for future analyses to examine the effects of size-selective nature of gear type on stock-specific harvests, create at-sea brood tables that may be useful for forecasting future returns to broad-scale groups, and other inquiries.

FUTURE WORK

We plan to continue estimating stock composition, stock-specific harvests, and length- and age-composition of chum salmon harvested in South Alaska Peninsula commercial fisheries in 2025–2026. 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 for a more direct and intentional analysis of stock and age compositions to better understand relationships between measurements and how they vary among months, gear types, and areas of the South Alaska Peninsula fishery. Explicit modeling that incorporates both age and genetic marks to estimate stock-specific cohorts is being developed in other regions of Alaska and may provide useful information for the South Alaska Peninsula, notably to pair estimates of stock-specific cohort abundances in state-managed fisheries with similar estimates from high-seas surveys and bycatch observed in federally managed fisheries. Funding for sample collection, laboratory and statistical analyses, and reporting was provided by the State of Alaska.

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TABLES AND FIGURES

Table 1.–Summary of stock-specific harvests of chum salmon in the June fishery of the South Alaska Peninsula, 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 the 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 from 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
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

-continued-

Table 2.–Page 2 of 2.

Year	Permits	Landings	Number of salmon[a]					
			Chinook	Sockeye	Coho	Pink	Chum	Total
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
2005–2024 Average	216	2,258	5,911	1,394,041	1,806	1,546,630	452,407	3,400,795
2015–2024 Average	223	1,961	8,173	1,553,040	2,661	2,165,633	503,595	4,233,101

[a] Does not include test fishery harvests or personal use.

Table 3.–Summary and comparison of Western Alaska Salmon Stock Identification Program (WASSIP) baseline and updated coastwide baseline constructed for analysis of South Alaska Peninsula harvests of chum salmon including relationship of population groupings, numbers of reporting groups at the WASSIP, applied in South Alaska Peninsula analyses, fine-scale, broad-scale, and individual assignment levels, and numbers of collections, populations, and individuals initially genotyped and finally included in the baseline.

		Updated coastwide baseline			
	WASSIP (9)	Applied for South Pen. (13)	Fine-scale (23)	Broad-scale (7)	Individual assignment (5)
Groups	Asia	Japan	Japan	Japan	Japan
		Russia	Southern Russia/Korea	Russia	Russia
			Northern Russia		
	Kotzebue Sound	Kotzebue Sound	Kotzebue Sound	Western Alaska	Western Alaska
	Coastal Western Alaska	Coastal Western Alaska	Coastal Western Alaska		
			Kuskokwim River Fall		
	Upper Yukon River	Upper Yukon River	Yukon Fall Canada		
			Yukon Fall USA		
	Northern District	Northern Alaska Peninsula-east	Northern Alaska Peninsula - east		
	Northwestern District	Northern Alaska Peninsula-west	Northern Alaska Peninsula - west		
	South Peninsula	South Alaska Peninsula / West Kodiak Island	South Alaska Peninsula/ West Kodiak Island	Western Gulf of Alaska	Gulf of Alaska
	Chignik/Kodiak				
		Kodiak	East Kodiak/Afognak		
			Sturgeon		
	East of Kodiak	Cook Inlet	Cook Inlet		
		Prince William Sound	Prince William Sound		
		Southeast Alaska	Yakutat		
			Northern SEAK Summer	Southeast Alaska	
			Northern SEAK Fall		
			Southern SEAK		
		British Columbia/Washington	Northern British Columbia	British Columbia	British Columbia/Washington
			West Vancouver Island		
			East Vancouver Island/Fraser River		
			Washington	Washington	

-continued-

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		Updated coastwide baseline			
	WASSIP (9)	Applied for South Pen (13)	Fine-scale (23)	Broad-scale (7)	Individual assignment (5)
Number of groups	9	13	23	7	5
Collections	434	571	571	571	571
Populations	310	382	382	382	382
Fish genotyped	35,921	46,072	46,072	46,072	46,072
Fish included	32,817	42,165	42,165	42,165	42,165

Table 4.–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.

	Harvest (10-year average)[a]						
Fishery (Districts)	June		July		August		Total
	Seine	Gillnet	Seine	Gillnet	Seine	Gillnet	
Unimak and Southwestern	202,285	49,152	180,729	11,094	75,305	10,345	528,910
Southeastern and South Central	241,183	11,218	176,674	32,200	111,855	15,814	588,944

	Design (# temporal strata x sample size)						
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 ten years (2012 to 2021) if the area received effort and harvest by the gear type during that respective timeframe.

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

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

Table 5.–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 2022.

Overall	June/post-June	Post-June months	Areas	Area/gear	Spatiotemporal strata	Harvest
South Alaska Peninsula (100%)	June (67%)		Unimak/SW (45%)	Unimak/SW Seine (40%)	June Seine 1	24,254
					June Seine 2	123,139
					June Seine 3	120,443
					June Seine 4	54,039
				Unimak/SW Gillnet (5%)	June Gillnet 1	10,797
					June Gillnet 2	15,665
					June Gillnet 3	16,302
					June Gillnet 4	1,487
			SE/SC (22%)	SE/SC Seine (21%)	June Seine 1	16,419
					June Seine 2	41,246
					June Seine 3	34,281
					June Seine 4	75,336
				SE/SC Gillnet (1%)	June Gillnet	10,729
	Post-June (33%)	July (23%)	Unimak/SW (6%)	Unimak/SW Seine (5%)	July Seine 1	30,008
					July Seine 2	12,708
				Unimak/SW Gillnet (1%)	July Gillnet 1	2,027
					July Gillnet 2	3,812
			SE/SC (17%)	SE/SC Seine (15%)	July Seine 1	32,704
					July Seine 2	36,682
					July Seine 3	56,716
				SE/SC Gillnet (2%)	July Gillnet 1	4,092
					July Gillnet 2	4,833
					July Gillnet 3	5,189
		August (10%)	Unimak/SW (4%)	Unimak/SW Seine (4%)	August Seine 1	18,807
					August Seine 2	10,017
			SE/SC (6%)	SE/SC Seine (6%)	August Seine 1	35,706
					August Seine 2	9,793
			South Pen (1%)	Gillnet (1%)	August	7,048

Table 6.–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 2023.

Overall	June/post-June	Post-June months	Areas	Area/gear	Spatiotemporal strata	Harvest
South Alaska Peninsula (100%)	June (18%)		Unimak/SW (9%)	Unimak/SW Seine (6%)	June Seine 1	6,354
					June Seine 2	39,070
					June Seine 3	22,635
					June Seine 4	4,294
				Unimak/SW Gillnet (3%)	June Gillnet 1	5,116
					June Gillnet 2	19,685
					June Gillnet 3	3,184
					June Gillnet 4	2,488
			SE/SC (9%)	SE/SC Seine (8%)	June Seine 1	6,338
					June Seine 2	17,906
					June Seine 3	32,203
					June Seine 4	36,566
				SE/SC Gillnet (1%)	June Gillnet	10,146
	Post-June (82%)	July (34%)	Unimak/SW (13%)	Unimak/SW Seine (12%)	July Seine 1	74,937
					July Seine 2	39,807
					July Seine 3	14,870
				Unimak/SW Gillnet (1%)	July Gillnet 1	3,388
					July Gillnet 2	6,295
					July Gillnet 3	4,144
			SE/SC (22%)	SE/SC Seine (20%)	July Seine 1	55,457
					July Seine 2	133,701
					July Seine 3	34,470
				SE/SC Gillnet (2%)	July Gillnet 1	6,858
					July Gillnet 2	8,477
					July Gillnet 3	2,936
		August (47%)	Unimak/SW (24%)	Unimak/SW Seine (23%)	August Seine 1	124,946
					August Seine 2	131,761
				Unimak/SW Gillnet (1%)	August Gillnet	5,995
			SE/SC (24%)	SE/SC Seine (23%)	August Seine 1	125,903
					August Seine 2	129,858
				SE/SC Gillnet (1%)	August Gillnet	11,538

Table 7.–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 2024.

Overall	June/post-June	Areas	Area/gear	Spatiotemporal strata	Harvest
South Alaska Peninsula (100%)	June (78%)	Unimak/SW (54%)	Unimak/SW Seine (35%)	June Seine 1	13,220
				June Seine 2	20,676
				June Seine 3	95,187
				June Seine 4	71,875
			Unimak/SW Gillnet (19%)	June Gillnet 1	42,095
				June Gillnet 2	35,895
				June Gillnet 3	25,685
				June Gillnet 4	3,693
		SE/SC (24%)	SE/SC Seine (23%)	June Seine 1	9,855
				June Seine 2	28,278
				June Seine 3	37,652
				June Seine 4	59,016
			SE/SC Gillnet (1%)	June Gillnet	7,712
	July (22%)	Unimak/SW (5%)	Unimak/SW Seine (3%)	July Seine 1	4,411
				July Seine 2	7,799
				July Seine 3	3,350
			Unimak/SW Gillnet (2%)	July Gillnet 1	278
				July Gillnet 2	1,043
				July Gillnet 3	7,996
		SE/SC (17%)	SE/SC Seine (16%)	July Seine 1	31,038
				July Seine 2	13,614
				July Seine 3	49,447
			SE/SC Gillnet (1%)	July Gillnet 1	1,699
				July Gillnet 2	1,295
				July Gillnet 3	2,704

Table 8.–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 2022–2024.

			Number of samples		
Year	Fishery	Harvest	Collected	Selected	Harvest:selected
2022	June	544,137	7,738	4,783	114
	Post-June	270,142	7,131	5,174	52
2023	June	205,985	7,150	4,879	42
	Post-June	915,341	9,159	6,025	152
2024	June	450,839	6,599	4,940	91
	Post-June	124,674	6,066	3,966	31
Average	June	400,320	7,162	4,867	82
	Post-June	436,719	7,452	5,055	86
Total		2,511,118	43,843	29,767	84

Table 9.–Summary of experimental design used to analyze stock composition of chum salmon harvested in commercial fisheries in the South Alaska Peninsula Management area in 2022 by sampling area, gear type, and temporal stratum, including the 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	6/11–13	16,419	380	354
Southeastern and South Central Districts	Seine	June 2	6/15–16	41,246	380	364
Southeastern and South Central Districts	Seine	June 3	6/20–21	34,281	380	363
Southeastern and South Central Districts	Seine	June 4	6/25–26	75,336	380	368
Southeastern and South Central Districts	Gillnet	June	6/6–28	10,729	380	357
Unimak and Southwestern Districts	Seine	June 1	6/11–13	24,254	380	346
Unimak and Southwestern Districts	Seine	June 2	6/15–18	123,139	380	344
Unimak and Southwestern Districts	Seine	June 3	6/20–23	120,443	380	321
Unimak and Southwestern Districts	Seine	June 4	6/25–28	54,039	380	343
Unimak and Southwestern Districts	Gillnet	June 1	6/11–13	10,797	380	347
Unimak and Southwestern Districts	Gillnet	June 2	6/15–18	15,665	380	339
Unimak and Southwestern Districts	Gillnet	June 3	6/20–23	16,302	380	345
Unimak and Southwestern Districts	Gillnet	June 4	6/25–28	1,487	223	214
Southeastern and South Central Districts	Seine	July 1	7/6–14	32,704	380	369
Southeastern and South Central Districts	Seine	July 2	7/15–21	36,682	380	353
Southeastern and South Central Districts	Seine	July 3	7/22–31	56,716	380	354
Southeastern and South Central Districts	Gillnet	July 1	7/6–17	4,092	365	329
Southeastern and South Central Districts	Gillnet	July 2	7/18–25	4,833	380	355
Southeastern and South Central Districts	Gillnet	July 3	7/26–31	5,189	348	308
Unimak and Southwestern Districts	Seine	July 1	7/6–7	30,008	266	246
Unimak and Southwestern Districts	Seine	July 2	7/8–31	12,708	380	322
Unimak and Southwestern Districts	Gillnet	July 1	7/6–24	2,027	241	226
Unimak and Southwestern Districts	Gillnet	July 2	7/25–31	3,812	380	334
Southeastern and South Central Districts	Seine	August 1	8/1–17	35,706	390	355
Southeastern and South Central Districts	Seine	August 2	8/18–31	9,793	289	279
Unimak and Southwestern Districts	Seine	August 1	8/15–16	18,807	209	183
Unimak and Southwestern Districts	Seine	August 2	8/17–31	10,017	354	312
South Alaska Peninsula	Gillnet	August	8/1–31	7,048	432	397
Total				814,279	9,957	9,127

Table 10.–Summary of experimental design used to analyze stock composition of chum salmon harvested in commercial fisheries in the South Alaska Peninsula Management area in 2023 by sampling area, gear type, and temporal stratum, including the number of fish harvested, genotyped, and included in final analyses.

Sampling area	Gear	Temporal stratum	Dates	Harvest	Genotyped	Final
Southcentral and Southeast Districts	Seine	June 1	6/10–13	6,338	380	374
Southcentral and Southeast Districts	Seine	June 2	6/16–18	17,906	380	377
Southcentral and Southeast Districts	Seine	June 3	6/20–23	32,203	380	374
Southcentral and Southeast Districts	Seine	June 4	6/25–28	36,566	380	372
Southcentral and Southeast Districts	Gillnet	June	6/6–28	10,146	380	368
Unimak and Southwestern Districts	Seine	June 1	6/10–13	6,354	380	377
Unimak and Southwestern Districts	Seine	June 2	6/16–18	39,070	380	370
Unimak and Southwestern Districts	Seine	June 3	6/20–23	22,635	380	357
Unimak and Southwestern Districts	Seine	June 4	6/25–28	4,294	380	358
Unimak and Southwestern Districts	Gillnet	June 1	6/10–13	5,116	380	361
Unimak and Southwestern Districts	Gillnet	June 2	6/15–18	19,685	380	364
Unimak and Southwestern Districts	Gillnet	June 3	6/20–23	3,184	320	319
Unimak and Southwestern Districts	Gillnet	June 4	6/25–28	2,488	379	373
Southcentral and Southeast Districts	Seine	July 1	7/6–19	55,457	380	370
Southcentral and Southeast Districts	Seine	July 2	7/22–27	133,701	380	373
Southcentral and Southeast Districts	Seine	July 3	7/30–31	34,470	240	237
Southcentral and Southeast Districts	Gillnet	July 1	7/6–15	6,858	380	342
Southcentral and Southeast Districts	Gillnet	July 2	7/18–27	8,477	380	370
Southcentral and Southeast Districts	Gillnet	July 3	7/30–31	2,936	240	235
Unimak and Southwestern Districts	Seine	July 1	7/6–7	74,937	380	347
Unimak and Southwestern Districts	Seine	July 2	7/10–15	39,807	380	360
Unimak and Southwestern Districts	Seine	July 3	7/18–31	14,870	380	354
Unimak and Southwestern Districts	Gillnet	July 1	7/6–19	3,388	115	111
Unimak and Southwestern Districts	Gillnet	July 2	7/22–27	6,295	380	361
Unimak and Southwestern Districts	Gillnet	July 3	7/30–31	4,144	200	191
Southcentral and Southeast Districts	Seine	August 1	8/7–13	125,903	380	322
Southcentral and Southeast Districts	Seine	August 2	8/14–30	129,858	320	313
Southcentral and Southeast Districts	Gillnet	August	8/3–23	11,538	380	351
Unimak and Southwestern Districts	Seine	August 1	8/7–17	124,946	380	365
Unimak and Southwestern Districts	Seine	August 2	8/18–30	131,761	380	373
Unimak and Southwestern Districts	Gillnet	August	8/7–26	5,995	350	345
Total				1,121,326	10,904	10,464

Table 11.–Summary of experimental design used to analyze stock composition of chum salmon harvested in commercial fisheries in the South Alaska Peninsula Management area in 2024 by sampling area, gear type, and temporal stratum, including the number of fish harvested, genotyped, and included in final analyses.

Sampling area	Gear	Temporal stratum	Dates	Harvest	Genotyped	Final
Southcentral and Southeast Districts	Seine	June 1	6/11–13	9,855	380	378
Southcentral and Southeast Districts	Seine	June 2	6/15–18	28,278	380	377
Southcentral and Southeast Districts	Seine	June 3	6/20–23	37,652	380	375
Southcentral and Southeast Districts	Seine	June 4	6/25–28	59,016	380	378
Southcentral and Southeast Districts	Gillnet	June	6/6–28	7,712	380	377
Unimak and Southwestern Districts	Seine	June 1	6/11–13	13,220	380	373
Unimak and Southwestern Districts	Seine	June 2	6/15–18	20,676	380	377
Unimak and Southwestern Districts	Seine	June 3	6/20–23	95,187	380	378
Unimak and Southwestern Districts	Seine	June 4	6/25–28	71,875	380	378
Unimak and Southwestern Districts	Gillnet	June 1	6/11–13	42,095	380	378
Unimak and Southwestern Districts	Gillnet	June 2	6/15–18	35,895	380	365
Unimak and Southwestern Districts	Gillnet	June 3	6/20–23	25,685	380	374
Unimak and Southwestern Districts	Gillnet	June 4	6/25–28	3,693	380	366
Southcentral and Southeast Districts	Seine	July 1	7/6–15	31,038	380	372
Southcentral and Southeast Districts	Seine	July 2	7/18–23	13,614	380	374
Southcentral and Southeast Districts	Seine	July 3	7/26–9/5	49,447	380	374
Southcentral and Southeast Districts	Gillnet	July 1	7/6–15	1,699	380	376
Southcentral and Southeast Districts	Gillnet	July 2	7/18–23	1,295	380	370
Southcentral and Southeast Districts	Gillnet	July 3	7/26–9/5	2,704	380	371
Unimak and Southwestern Districts	Seine	July 1	7/6–15	4,411	380	373
Unimak and Southwestern Districts	Seine	July 2	7/18–23	7,799	380	354
Unimak and Southwestern Districts	Seine	July 3	7/26–9/5	3,350	80	79
Unimak and Southwestern Districts	Gillnet	July 1	7/6–15	278	146	135
Unimak and Southwestern Districts	Gillnet	July 2	7/18–23	1,043	320	305
Unimak and Southwestern Districts	Gillnet	July 3	7/26–9/5	7,996	380	351
Total				575,513	8,906	8,708

Table 12.–South Alaska Peninsula area, all strata (n = 14,869), 2022. Estimates of age composition and mean length (mid eye to tail fork [METF], mm), 90% confidence interval, and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.0	0.0	0.0	0.0	1	415.0	415.0	415.0	–
0.2	806	6.3	5.9	6.6	0.2	806	519.8	517.5	522.1	39.0
0.3	8,182	63.9	63.2	64.6	0.4	8,182	552.6	551.9	553.3	36.4
0.4	3,761	29.4	28.7	30.0	0.4	3,761	566.2	565.2	567.1	36.2
0.5	59	0.5	0.4	0.6	0.1	59	592.2	583.0	601.3	42.7
0.6	1	0.0	0.0	0.0	0.0	1	587.0	587.0	587.0	–
Unknown						2,059	555.1	553.9	556.4	35.3
Total	12,810					14,869	553.9	553.4	554.4	38.7

Table 13.–South Alaska Peninsula area, all strata (n = 16,988), 2023. Estimates of age composition and mean length (mid eye to tail fork [METF], mm), 90% confidence interval, and estimated SE or SD.

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	4	0.0	0.0	0.0	0.0	4	368.0	341.2	394.8	32.5
0.2	539	3.4	3.2	3.7	0.1	539	475.4	471.5	479.3	55.0
0.3	10,237	65.4	64.8	66.0	0.4	10,237	558.2	557.6	558.8	36.5
0.4	4,689	30.0	29.3	30.6	0.4	4,689	576.3	575.5	577.2	35.1
0.5	184	1.2	1.0	1.3	0.1	184	579.5	575.3	583.7	34.7
0.6	1	0.0	0.0	0.0	0.0	1	602.0	602.0	602.0	–
Unknown						1,334	551.4	549.2	553.5	47.7
Total	15,654					16,988	560.2	559.7	560.7	41.9

Table 14.–South Alaska Peninsula area, all strata (n = 12,785), 2024. Estimates of age composition and mean length (mid eye to tail fork [METF], mm), 90% confidence interval, and estimated SE or SD.

	Age composition					Length (mm) METF				
			90% CI					90% CI		
Age class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	40	0.3	0.2	0.4	0.1	40	391.8	384.2	399.4	29.3
0.2	1,198	10.2	9.7	10.7	0.3	1,198	507.3	505.2	509.4	44.9
0.3	7,060	60.1	59.3	60.8	0.5	7,060	552.1	551.4	552.8	35.4
0.4	3,307	28.1	27.4	28.8	0.4	3,307	572.8	571.8	573.9	36.2
0.5	147	1.3	1.1	1.4	0.1	147	582.3	577.0	587.6	38.9
0.6	2	0.0	0.0	0.0	0.0	2	560.5	507.0	614.0	46.0
Unknown						1,031	543.7	541.3	546.1	47.0
Total	11,754					12,785	552.4	551.8	553.1	42.6

Table 15.–Results of laboratory quality control (QC) 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				Conflicts			Rate	
Year	Project	QC	Genotypes compared	Homo-homo	Homo-het	Total	Concordance	Error
2022	9,957	841	80,736	17	441	458	99.4%	0.3%
2023	10,904	910	87,360	15	270	285	99.7%	0.3%
2024	8,906	745	71,520	7	68	75	99.9%	0.1%
Total	29,767	2,496	239,616	39	779	818	99.7%	0.3%

Table 16.–South Alaska Peninsula area, June 2022, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 543,945; 13 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	30.0	28.3	31.6	30.0	1.0	162,930	152,510	173,904	162,987	6,483
Russia	28.0	26.4	29.7	28.0	1.0	152,221	142,581	162,534	152,418	6,001
Kotzebue Sound	3.7	2.7	4.9	3.7	0.7	20,112	14,567	26,447	20,193	3,620
Coastal Western Alaska	17.5	16.0	19.1	17.6	0.9	95,310	86,767	104,653	95,474	5,416
Upper Yukon River	0.1	0.0	0.3	0.1	0.1	643	206	1,791	769	521
Northern Alaska Peninsula-east	1.2	0.7	1.8	1.2	0.3	6,269	3,969	9,841	6,482	1,814
Northern Alaska Peninsula-west	1.6	1.1	2.3	1.7	0.4	8,943	5,786	12,611	9,020	2,105
S. Alaska Pen./West Kodiak Island	2.5	1.7	3.6	2.5	0.6	13,526	9,068	19,645	13,868	3,219
Kodiak	1.8	1.0	2.6	1.8	0.5	9,572	5,457	14,071	9,626	2,581
Cook Inlet	0.1	0.0	0.2	0.1	0.0	402	182	855	448	225
Prince William Sound	4.2	3.6	4.9	4.2	0.4	22,671	19,278	26,497	22,772	2,179
Southeast Alaska	1.8	1.3	2.4	1.8	0.3	9,791	7,106	12,907	9,883	1,788
British Columbia/Washington	7.3	6.5	8.2	7.4	0.5	39,925	35,387	44,985	40,004	2,901
Total									543,945	

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

Table 17.–South Alaska Peninsula area, June 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 206,041; 13 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	22.2	21.0	23.5	22.2	0.8	45,702	42,778	48,785	45,739	1,825
Russia	17.5	16.2	18.7	17.5	0.8	35,968	33,121	38,801	36,000	1,737
Kotzebue Sound	1.4	0.9	2.1	1.5	0.4	2,923	1,774	4,388	2,991	819
Coastal Western Alaska	28.6	27.0	30.2	28.6	0.9	58,888	55,441	62,617	58,923	2,170
Upper Yukon River	0.3	0.1	0.7	0.3	0.2	651	231	1,381	703	352
Northern Alaska Peninsula-east	1.1	0.6	1.6	1.1	0.3	2,229	1,337	3,394	2,292	633
Northern Alaska Peninsula-west	1.4	1.0	2.0	1.4	0.3	2,940	2,042	4,098	2,973	625
S. Alaska Pen./West Kodiak Island	5.1	4.2	6.2	5.2	0.6	10,583	8,633	12,770	10,629	1,247
Kodiak	2.2	1.4	3.2	2.2	0.5	4,470	2,896	6,520	4,552	1,093
Cook Inlet	0.1	0.0	0.2	0.1	0.1	146	41	402	173	118
Prince William Sound	9.7	8.8	10.7	9.7	0.6	20,034	18,000	22,222	20,085	1,255
Southeast Alaska	3.0	2.4	3.6	3.0	0.4	6,088	4,890	7,419	6,118	757
British Columbia/Washington	7.2	6.4	8.0	7.2	0.5	14,838	13,210	16,584	14,863	1,038
Total									206,041	

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

Table 18.–South Alaska Peninsula area, June 2024, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 450,608; 13 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	29.9	28.6	31.3	29.9	0.8	134,861	127,395	142,925	134,955	4,672
Russia	17.0	15.9	18.3	17.0	0.7	76,674	71,171	82,856	76,811	3,514
Kotzebue Sound	0.2	0.1	0.6	0.3	0.2	1,061	328	2,538	1,215	716
Coastal Western Alaska	26.6	25.2	28.0	26.6	0.9	119,952	112,990	126,996	119,930	4,233
Upper Yukon River	0.5	0.2	0.8	0.5	0.2	2,198	1,028	3,622	2,252	806
Northern Alaska Peninsula-east	1.8	1.2	2.7	1.9	0.5	8,255	5,274	12,157	8,442	2,108
Northern Alaska Peninsula-west	3.1	2.4	3.7	3.1	0.4	13,830	10,975	16,922	13,858	1,835
S. Alaska Pen./West Kodiak Island	1.4	1.0	2.0	1.4	0.3	6,343	4,363	9,199	6,479	1,489
Kodiak	0.7	0.3	1.3	0.7	0.3	3,287	1,256	5,627	3,362	1,339
Cook Inlet	0.0	0.0	0.1	0.0	0.0	134	26	431	168	143
Prince William Sound	0.7	0.5	0.9	0.7	0.1	3,077	2,209	4,170	3,119	613
Southeast Alaska	1.1	0.8	1.5	1.1	0.2	5,040	3,651	6,663	5,085	925
British Columbia/Washington	16.6	15.6	17.7	16.6	0.7	74,967	69,798	80,135	74,933	3,213
Total									450,608	

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

Table 19.– South Alaska Peninsula area, post-June 2022, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 270,202; 15 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	6.7	5.9	7.5	6.7	0.5	18,072	15,909	20,441	18,114	1,388
Russia	4.6	3.9	5.4	4.7	0.5	12,521	10,604	14,672	12,579	1,237
Kotzebue Sound	0.8	0.4	1.3	0.8	0.3	2,105	1,198	3,462	2,193	691
Coastal Western Alaska	2.6	2.0	3.3	2.7	0.4	7,149	5,516	8,988	7,178	1,047
Upper Yukon River	0.0	0.0	0.1	0.0	0.0	42	3	260	76	96
Northern Alaska Peninsula-east	0.7	0.3	1.4	0.7	0.3	1,866	777	3,770	2,005	914
Northern Alaska Peninsula-west	2.3	1.7	3.1	2.3	0.4	6,115	4,574	8,372	6,236	1,170
S. Alaska Pen./West Kodiak Island	42.6	39.0	45.9	42.5	2.1	114,895	104,981	124,410	114,864	5,961
Kodiak	15.1	12.3	18.5	15.2	1.9	40,722	33,309	50,068	41,138	5,286
Cook Inlet	1.7	1.4	2.2	1.7	0.3	4,646	3,648	6,006	4,727	716
Prince William Sound	3.4	2.8	4.2	3.4	0.4	9,249	7,454	11,388	9,312	1,220
Southeast Alaska	0.4	0.2	1.2	0.5	0.3	1,149	410	3,248	1,406	898
British Columbia/Washington	18.6	17.2	20.0	18.6	0.8	50,356	46,136	54,508	50,375	2,554
Total									270,202	

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

Table 20.–South Alaska Peninsula area, post-June 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 915,977; 18 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	6.8	6.2	7.5	6.8	0.4	62,387	56,276	68,698	62,408	3,836
Russia	4.7	4.2	5.3	4.7	0.3	43,348	38,652	48,808	43,475	3,127
Kotzebue Sound	0.2	0.0	0.4	0.2	0.1	1,448	293	3,192	1,560	894
Coastal Western Alaska	2.5	2.1	3.0	2.5	0.3	23,266	19,274	27,395	23,253	2,383
Upper Yukon River	0.2	0.1	0.4	0.2	0.1	1,988	1,031	3,447	2,087	744
Northern Alaska Peninsula - east	0.8	0.5	1.2	0.8	0.2	7,239	4,635	11,110	7,438	2,016
Northern Alaska Peninsula - west	2.3	1.8	2.9	2.3	0.3	20,773	16,602	26,417	21,044	3,070
S. Alaska Pen./West Kodiak Island	63.3	60.4	66.3	63.3	1.8	579,923	549,597	612,878	580,128	19,371
Kodiak	13.4	10.6	16.1	13.4	1.7	122,379	96,997	148,504	122,397	15,513
Cook Inlet	0.7	0.5	1.0	0.7	0.1	6,339	4,495	8,891	6,485	1,373
Prince William Sound	2.3	1.7	3.1	2.4	0.4	21,392	15,179	28,711	21,568	4,105
Southeast Alaska	0.9	0.5	1.4	0.9	0.2	8,252	5,040	12,462	8,417	2,259
British Columbia/Washington	1.7	1.4	2.1	1.7	0.2	15,535	12,529	19,513	15,720	2,149
Total									915,977	

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

Table 21.–South Alaska Peninsula area, post-June 2024, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 124,709; 12 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	13.1	11.8	14.5	13.1	0.8	16,265	14,557	18,276	16,333	1,130
Russia	7.5	6.5	8.7	7.6	0.7	9,425	8,048	10,883	9,434	851
Kotzebue Sound	0.2	0.1	0.7	0.3	0.2	272	73	865	350	253
Coastal Western Alaska	2.8	2.1	3.5	2.8	0.4	3,431	2,657	4,431	3,475	549
Upper Yukon River	0.4	0.2	0.6	0.4	0.1	442	242	793	470	175
Northern Alaska Peninsula-east	2.4	1.4	3.9	2.5	0.8	2,964	1,696	4,834	3,076	960
Northern Alaska Peninsula-west	3.2	2.1	4.7	3.3	0.8	3,995	2,570	5,900	4,082	1,009
S. Alaska Pen./West Kodiak Island	49.0	44.6	52.8	48.8	2.5	61,166	54,912	66,521	60,901	3,594
Kodiak	4.8	1.8	9.0	5.0	2.3	6,003	2,191	11,369	6,259	2,926
Cook Inlet	2.4	1.8	3.2	2.5	0.4	3,027	2,288	3,982	3,064	525
Prince William Sound	2.0	1.0	3.2	2.0	0.7	2,425	1,242	3,987	2,498	837
Southeast Alaska	1.7	1.3	2.3	1.8	0.3	2,167	1,571	2,870	2,184	401
British Columbia/Washington	10.1	8.9	11.4	10.1	0.8	12,529	11,058	14,271	12,584	994
Total									124,709	

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

Table 22.–South Alaska Peninsula area, 2022, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 813,986; 28 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	22.2	21.1	23.4	22.3	0.7	180,896	170,892	191,704	181,125	6,528
Russia	20.3	19.2	21.4	20.3	0.7	164,849	154,942	175,424	165,011	6,201
Kotzebue Sound	2.7	2.0	3.5	2.8	0.5	22,235	16,565	28,768	22,401	3,714
Coastal Western Alaska	12.6	11.6	13.7	12.6	0.6	102,562	94,123	112,059	102,688	5,448
Upper Yukon River	0.1	0.0	0.2	0.1	0.1	729	250	1,897	845	524
Northern Alaska Peninsula-east	1.0	0.7	1.5	1.0	0.2	8,263	5,568	12,174	8,488	2,033
Northern Alaska Peninsula-west	1.9	1.4	2.4	1.9	0.3	15,242	11,419	19,182	15,242	2,392
S. Alaska Pen./West Kodiak Island	15.8	14.5	17.0	15.8	0.8	128,892	118,203	138,753	128,626	6,243
Kodiak	6.2	5.2	7.4	6.2	0.7	50,384	42,393	60,127	50,726	5,398
Cook Inlet	0.6	0.5	0.8	0.6	0.1	5,116	4,034	6,482	5,168	747
Prince William Sound	3.9	3.5	4.5	3.9	0.3	31,959	28,039	36,419	32,071	2,546
Southeast Alaska	1.4	1.0	1.8	1.4	0.2	11,122	8,166	14,725	11,286	2,033
British Columbia/Washington	11.1	10.4	11.9	11.1	0.5	90,237	84,218	96,988	90,308	3,828
Total									813,986	

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

Table 23.–South Alaska Peninsula area, 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 1,121,080; 31 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	9.6	9.1	10.3	9.6	0.4	108,017	101,162	115,647	108,144	4,362
Russia	7.1	6.6	7.6	7.1	0.3	79,338	73,774	85,480	79,467	3,540
Kotzebue Sound	0.4	0.2	0.6	0.4	0.1	4,460	2,722	6,708	4,554	1,231
Coastal Western Alaska	7.3	6.9	7.8	7.3	0.3	82,083	77,103	87,498	82,170	3,215
Upper Yukon River	0.2	0.1	0.4	0.2	0.1	2,736	1,578	4,227	2,792	819
Northern Alaska Peninsula-east	0.8	0.6	1.2	0.9	0.2	9,521	6,733	13,545	9,732	2,115
Northern Alaska Peninsula-west	2.1	1.7	2.6	2.1	0.3	23,723	19,263	29,427	24,002	3,137
S. Alaska Pen./West Kodiak Island	52.6	50.2	55.1	52.6	1.5	589,806	557,467	621,724	589,959	19,600
Kodiak	11.3	9.0	13.5	11.3	1.4	126,912	101,104	152,564	126,860	15,401
Cook Inlet	0.6	0.4	0.8	0.6	0.1	6,516	4,683	9,166	6,656	1,379
Prince William Sound	3.7	3.1	4.4	3.7	0.4	41,465	34,725	49,007	41,639	4,357
Southeast Alaska	1.3	1.0	1.7	1.3	0.2	14,385	11,057	18,784	14,529	2,367
British Columbia/Washington	2.7	2.4	3.1	2.7	0.2	30,422	26,964	34,834	30,578	2,396
Total									1,121,080	

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

Table 24.–South Alaska Peninsula area, 2024, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 575,553; 25 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	26.3	25.2	27.4	26.3	0.7	151,224	143,974	159,159	151,377	4,687
Russia	15.0	14.1	15.9	15.0	0.6	86,228	80,515	92,117	86,288	3,562
Kotzebue Sound	0.2	0.1	0.5	0.3	0.1	1,409	595	2,976	1,565	761
Coastal Western Alaska	21.4	20.3	22.6	21.5	0.7	123,526	116,597	130,429	123,457	4,288
Upper Yukon River	0.5	0.3	0.7	0.5	0.1	2,660	1,457	4,188	2,722	826
Northern Alaska Peninsula-east	2.0	1.4	2.7	2.0	0.4	11,320	8,060	15,487	11,527	2,277
Northern Alaska Peninsula-west	3.1	2.5	3.7	3.1	0.4	17,883	14,636	21,579	17,947	2,080
S. Alaska Pen./West Kodiak Island	11.7	10.7	12.8	11.7	0.7	67,445	61,190	73,498	67,353	3,771
Kodiak	1.6	0.8	2.7	1.7	0.6	9,323	4,792	15,269	9,619	3,267
Cook Inlet	0.6	0.4	0.7	0.6	0.1	3,193	2,406	4,197	3,232	548
Prince William Sound	1.0	0.7	1.3	1.0	0.2	5,562	3,994	7,461	5,617	1,052
Southeast Alaska	1.3	1.0	1.6	1.3	0.2	7,225	5,692	8,994	7,272	1,010
British Columbia/Washington	15.2	14.3	16.1	15.2	0.5	87,553	82,009	93,107	87,576	3,359
Total									575,553	

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

Table 25.–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 Western Alaska Salmon Stock Identification Program (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
2007	All	101,357	100	189,975	100	0.53
2008	All	157,791	100	222,251	100	0.71
2009	All	101,357	100	189,975	100	0.53
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

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).

Table 26.–Stock-specific ages in the June and post-June fisheries of the South Alaska Peninsula in 2022, 2023, and 2024 including mean, SD, and numbers of chum salmon assigned to each stock by fishery and year (N).

		2022			2023			2024		
Stock	Fishery	Mean	SD	N	Mean	SD	N	Mean	SD	N
Japan	June	3.07	0.49	799	3.45	0.51	739	3.11	0.47	1,096
	Post-June	3.11	0.41	142	3.14	0.66	334	3.02	0.62	358
Russia	June	3.54	0.55	942	3.50	0.61	664	3.43	0.61	661
	Post-June	3.40	0.64	97	2.95	0.57	265	3.02	0.83	256
Western Alaska	June	3.20	0.45	980	3.42	0.52	1,461	3.33	0.57	1,643
	Post-June	3.23	0.55	171	3.25	0.49	439	3.10	0.58	326
Gulf of Alaska	June	3.33	0.57	566	3.42	0.54	979	3.44	0.56	199
	Post-June	3.21	0.61	3,206	3.22	0.49	4,079	3.24	0.75	2,135
BC/WA	June	3.02	0.37	242	3.20	0.46	289	3.00	0.37	713
	Post-June	3.03	0.40	416	2.94	0.53	98	2.86	0.50	323

Table 27.–Stock-specific lengths by age in the South Alaska Peninsula fishery in 2022, 2023, and 2024 including mean, SD, and numbers of chum salmon assigned to each stock by age and year (N).

		2022			2023			2024		
Stock	Age	Mean	SD	N	Mean	SD	N	Mean	SD	N
Japan	0.1							377.0	35.7	5
	0.2	513.1	31.4	62	455.5	44.1	53	489.0	39.2	105
	0.3	548.7	37.7	753	565.1	33.7	594	540.9	32.0	1,115
	0.4	583.1	45.3	115	583.8	36.3	421	577.9	31.8	214
	0.5	605.1	37.3	11	630.4	64.0	5	600.1	39.6	14
Russia	0.1							385.6	16.0	12
	0.2	462.5	43.6	25	428.8	39.4	52	451.5	49.2	82
	0.3	528.0	34.9	455	534.2	40.2	539	521.6	33.0	436
	0.4	554.2	36.6	550	564.8	35.4	301	547.8	29.9	380
	0.5	575.0	25.1	9	567.1	32.8	36	527.0	38.8	7
Western Alaska	0.1							442.0		1
	0.2	524.8	34.8	25	498.5	32.5	15	507.0	28.6	81
	0.3	541.2	30.7	866	543.2	33.0	1,164	545.2	28.5	1,264
	0.4	551.7	30.5	257	556.4	32.4	704	559.2	32.6	585
	0.5	567.7	47.5	3	557.5	37.1	16	567.4	34.6	38
	0.6				602.0		1			
Gulf of Alaska	0.1	415.0		1				362.0		1
	0.2	528.9	32.8	354	518.4	31.0	97	527.2	34.6	370
	0.3	558.7	28.2	2,217	565.4	30.2	3,595	569.3	29.7	1,031
	0.4	575.4	30.2	1,191	582.5	29.7	1,313	590.0	29.1	894
	0.5	585.9	32.2	9	585.8	27.5	53	597.1	21.7	37
	0.6							593.0		1
BC/WA	0.2	550.8	29.5	39	534.3	45.1	22	522.9	26.7	115
	0.3	589.8	39.4	564	583.5	33.5	293	572.0	33.5	855
	0.4	605.2	36.8	53	600.9	41.5	70	592.2	40.8	65
	0.5	602.0	2.8	2	599.0	11.3	2	596.0		1

Table 28.–Stock-specific day of year of harvest in the South Alaska Peninsula fishery in 2022, 2023, and 2024, including mean, SD, and numbers of chum salmon assigned to each stock by year (N).

	2022			2023			2024		
Stock	Mean	SD	N	Mean	SD	N	Mean	SD	N
Japan	174.1	11.4	941	177.3	14.3	1,073	177.4	12.8	1,454
Russia	171.4	9.0	1,039	177.2	12.8	929	178.1	13.2	917
Western Alaska	173.8	13.5	1,151	176.3	14.5	1,900	175.5	11.7	1,969
Gulf of Alaska	206.2	20.5	3,772	205.4	21.0	5,058	200.6	11.1	2,334
BC/WA	187.8	15.7	658	175.7	12.6	387	179.4	15.1	1,036

Note: For context, day of year 177 corresponds to June 26 in a non-leap year, and 205 corresponds to July 24.

Table 29.–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 2022–2024. The average contribution from 2007 to 2009 is provided to compare with 2022 to 2024.

Group	2007	2008	2009	Average 2007–2009	2022	2023	2024	Average 2022–2024
Asia	20%	29%	26%	25%	58%	40%	47%	48%
Kotzebue Sound	0%	1%	0%	1%	4%	1%	0%	2%
Coastal Western Alaska	60%	52%	60%	57%	18%	29%	27%	24%
Upper Yukon River	1%	2%	0%	1%	0%	0%	0%	0%
Northern Alaska Peninsula-east	0%	1%	1%	1%	1%	1%	2%	1%
Northern Alaska Peninsula-west	1%	3%	4%	3%	2%	1%	3%	2%
East of Kodiak	14%	7%	5%	8%	13%	20%	18%	17%

Post-June

Group	2007	2008	2009	Average 2007–2009	2022	2023	2024	Average 2022–2024
Asia	12%	14%	2%	9%	11%	12%	21%	15%
Kotzebue Sound	0%	0%	0%	0%	1%	0%	0%	0%
Coastal Western Alaska	4%	3%	2%	3%	3%	3%	3%	3%
Upper Yukon River	0%	0%	0%	0%	0%	0%	0%	0%
Northern Alaska Peninsula-east	1%	1%	1%	1%	1%	1%	2%	1%
Northern Alaska Peninsula-west	2%	3%	1%	2%	2%	2%	3%	3%
East of Kodiak	5%	6%	1%	4%	24%	6%	16%	15%

Note: Estimates for 2007–2009 are from Tables 122–127 in Munro et al. (2012). Two reporting groups used in Western Alaska Salmon Stock Identification Program (WASSIP) are absent from the current baselines because their populations do not overlap with those used in WASSIP (South Alaska Peninsula and Chignik/Kodiak).

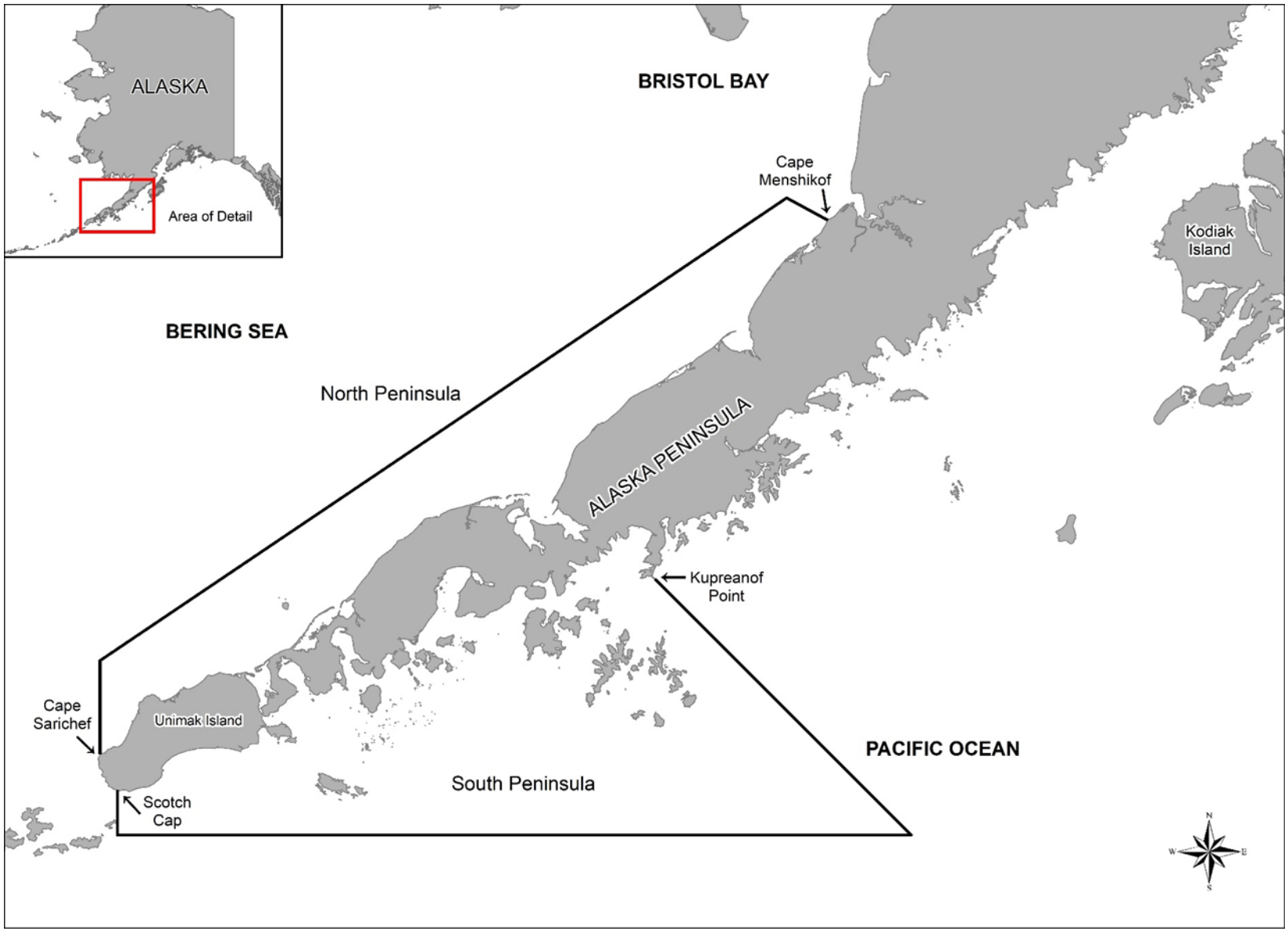

Figure 1.–Map of Alaska Peninsula Management Area with the North and South Peninsula defined.

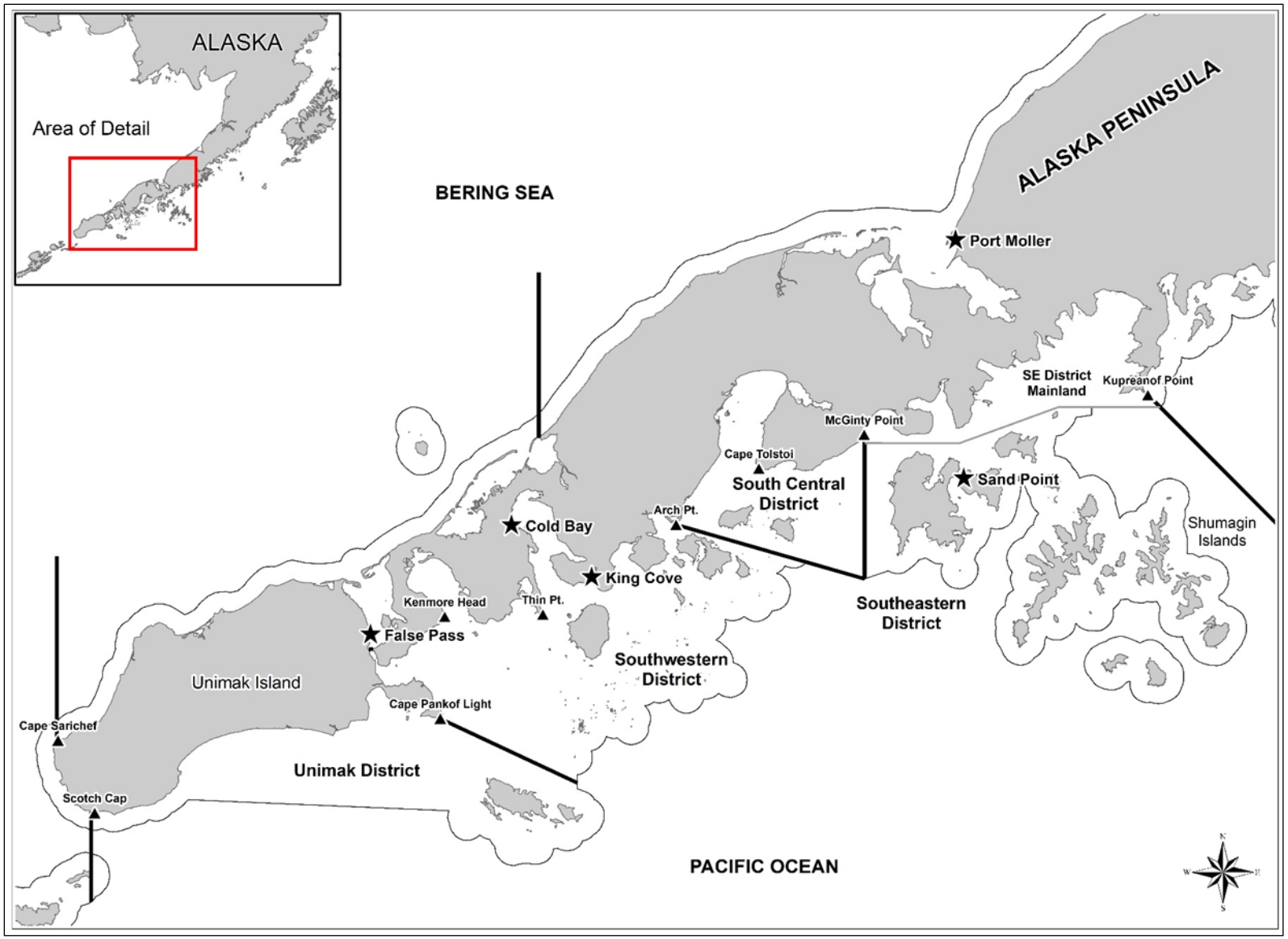

Figure 2.–Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with South Peninsula salmon fishing districts defined.

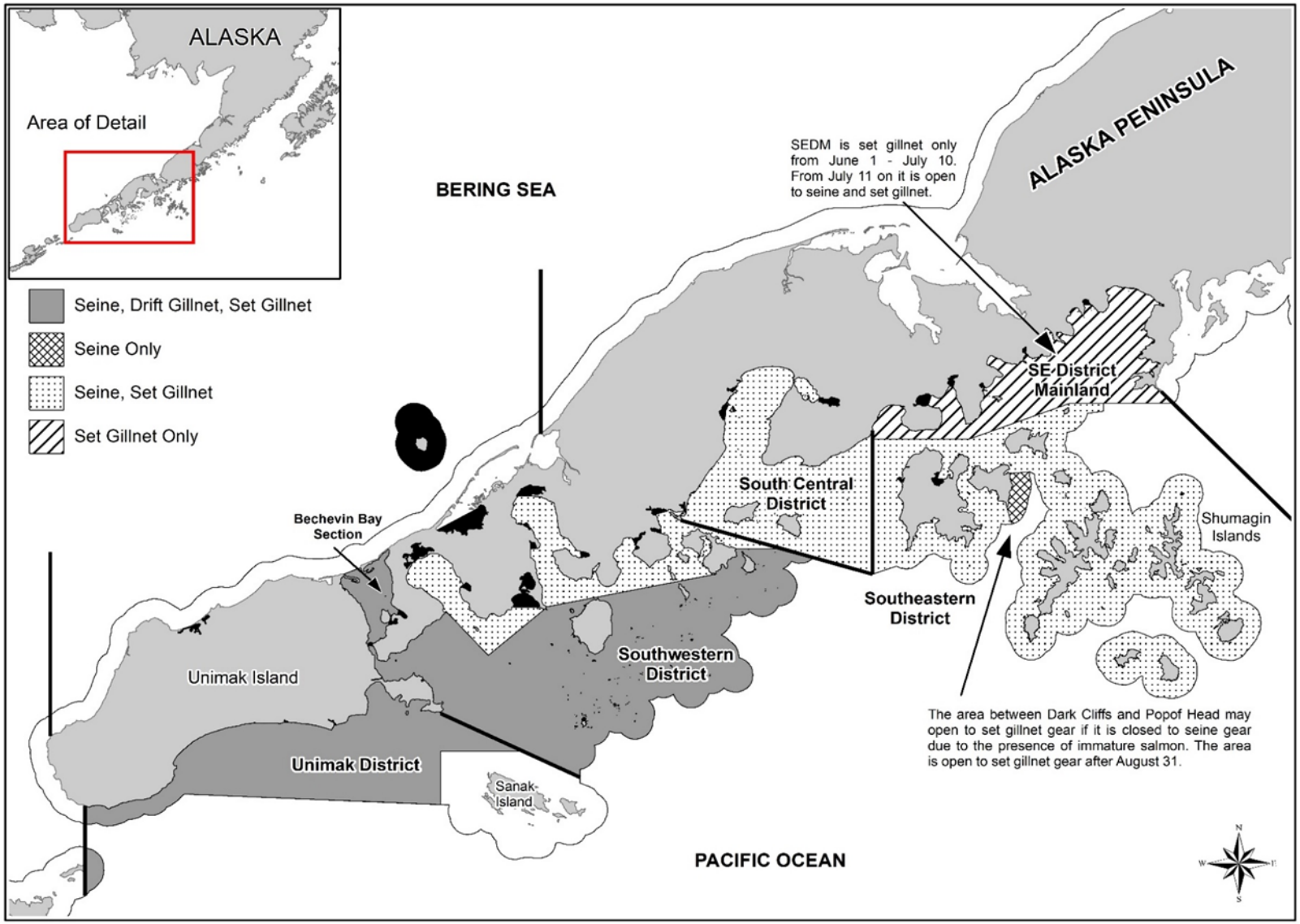

Figure 3.–Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with legal gear types shown during June.

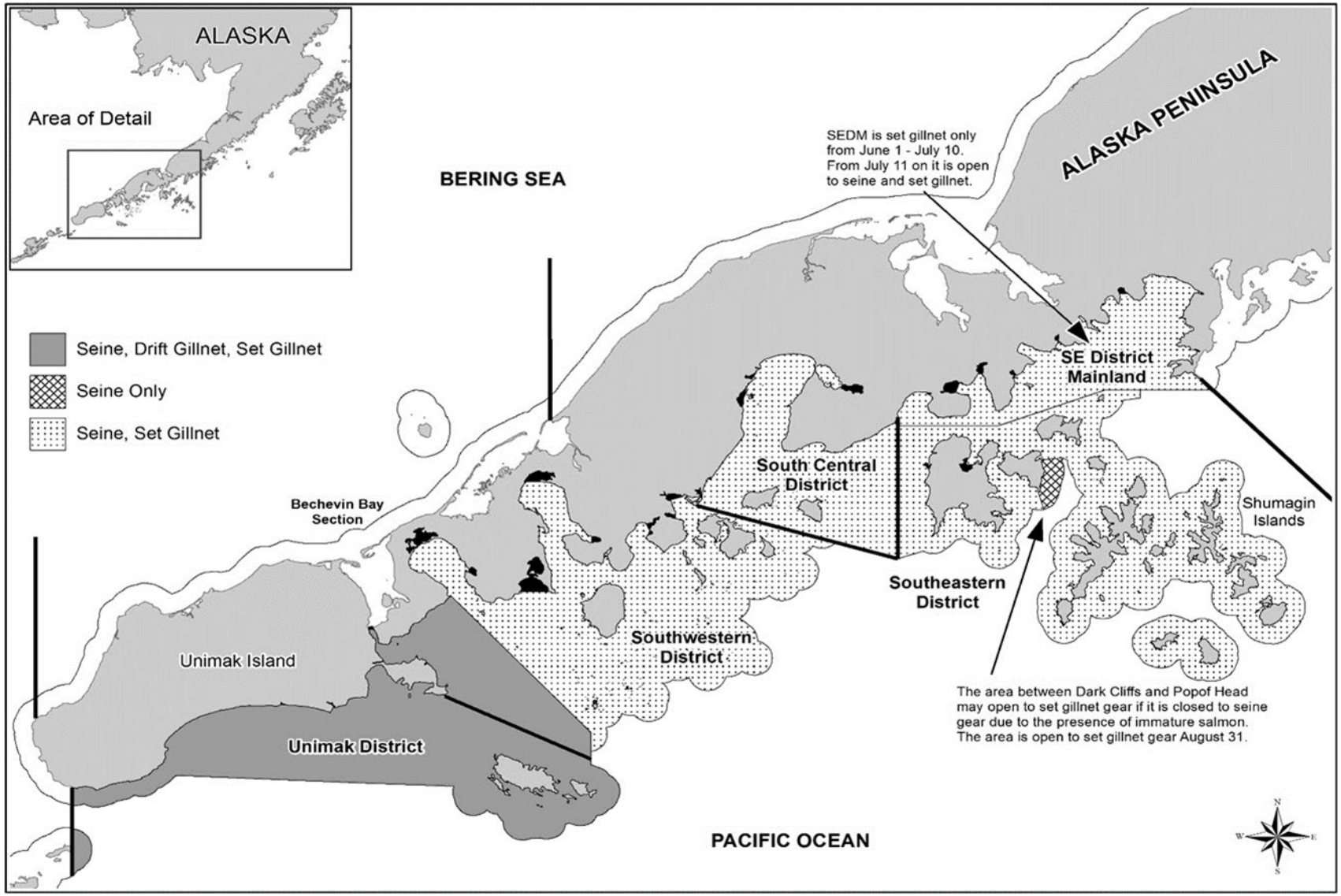

Figure 4.–Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with legal gear types shown, July 1–October 31.

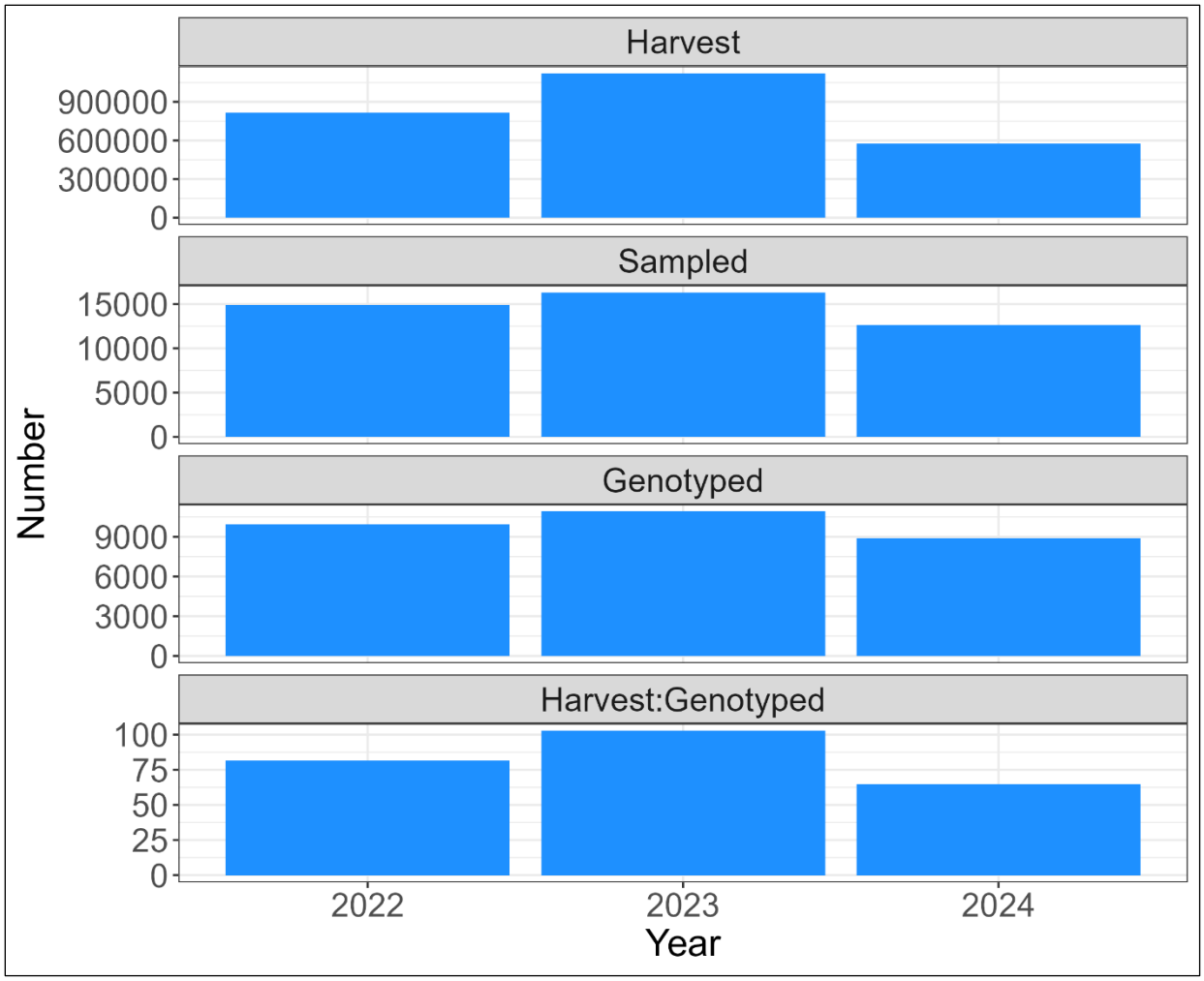

Figure 5.–Numbers of chum salmon harvested (top panel), sampled for tissues (second panel), successfully genotyped for analysis (third panel), and the ratio of harvests to genotyped individuals in the South Alaska Peninsula fishery in 2022, 2023, and 2024.

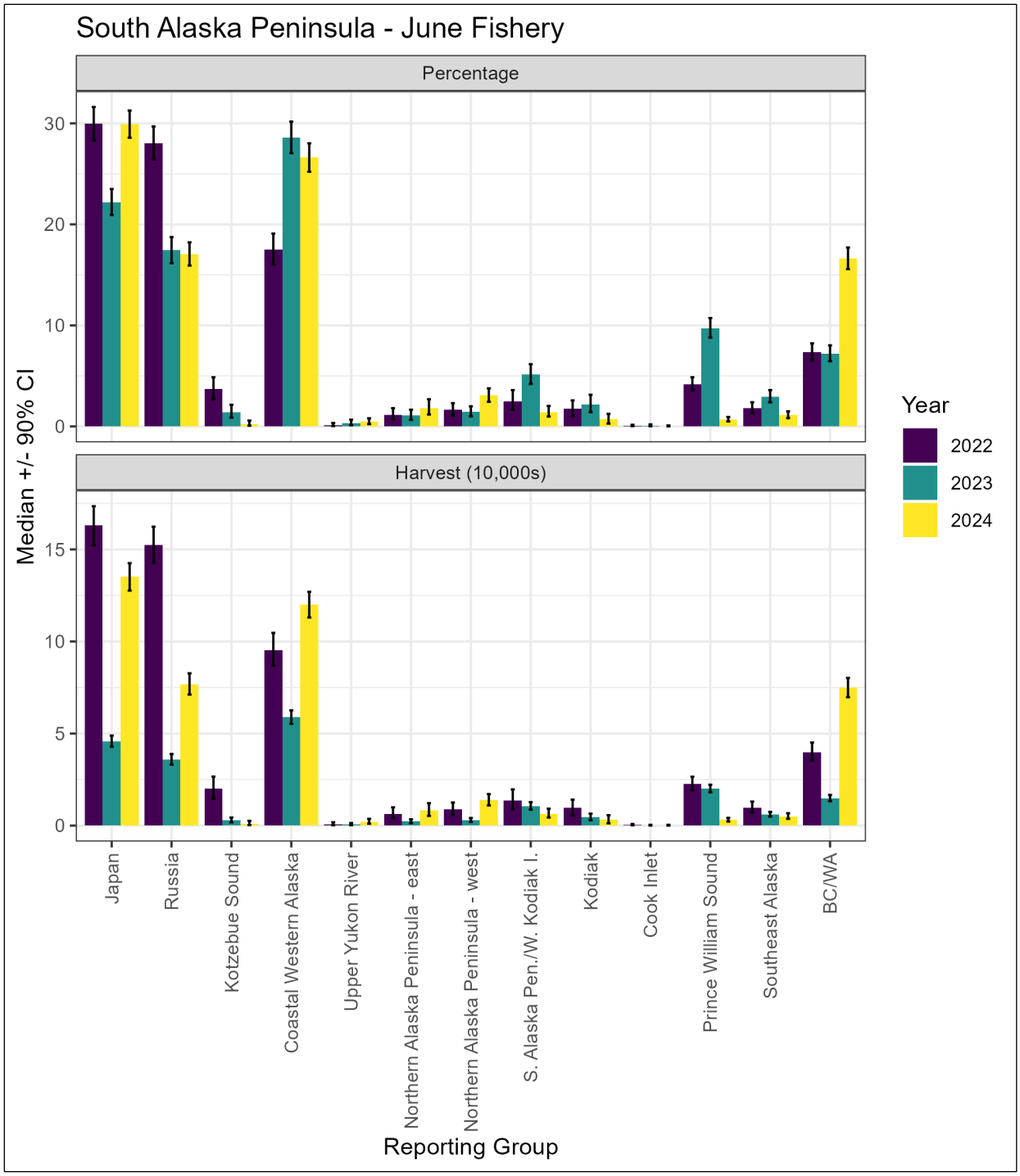

Figure 6.–Stratified estimates of median reporting group stock composition (percentage, top panel) and stock-specific harvest (tens of thousands of fish, bottom panel) and 90% credibility intervals (CI) for chum salmon sampled from the June fishery of the South Alaska Peninsula in 2022, 2023, and 2024.

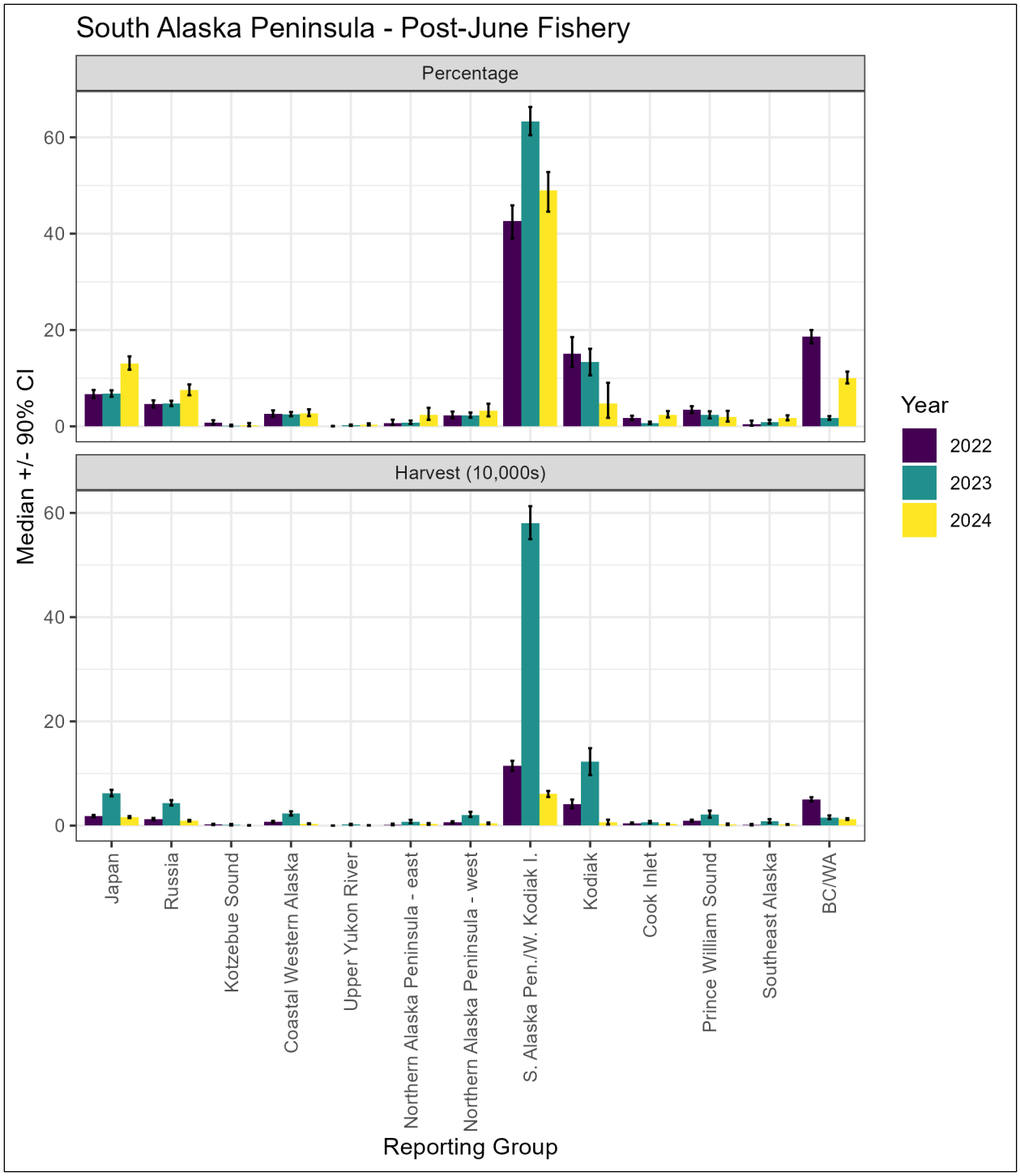

Figure 7.–Stratified estimates of median reporting group stock composition (percentage, top panel) and stock-specific harvest (tens of thousands of fish, bottom panel) and 90% credibility intervals (CI) for chum salmon sampled from the post-June fishery of the South Alaska Peninsula in 2022, 2023, and 2024.

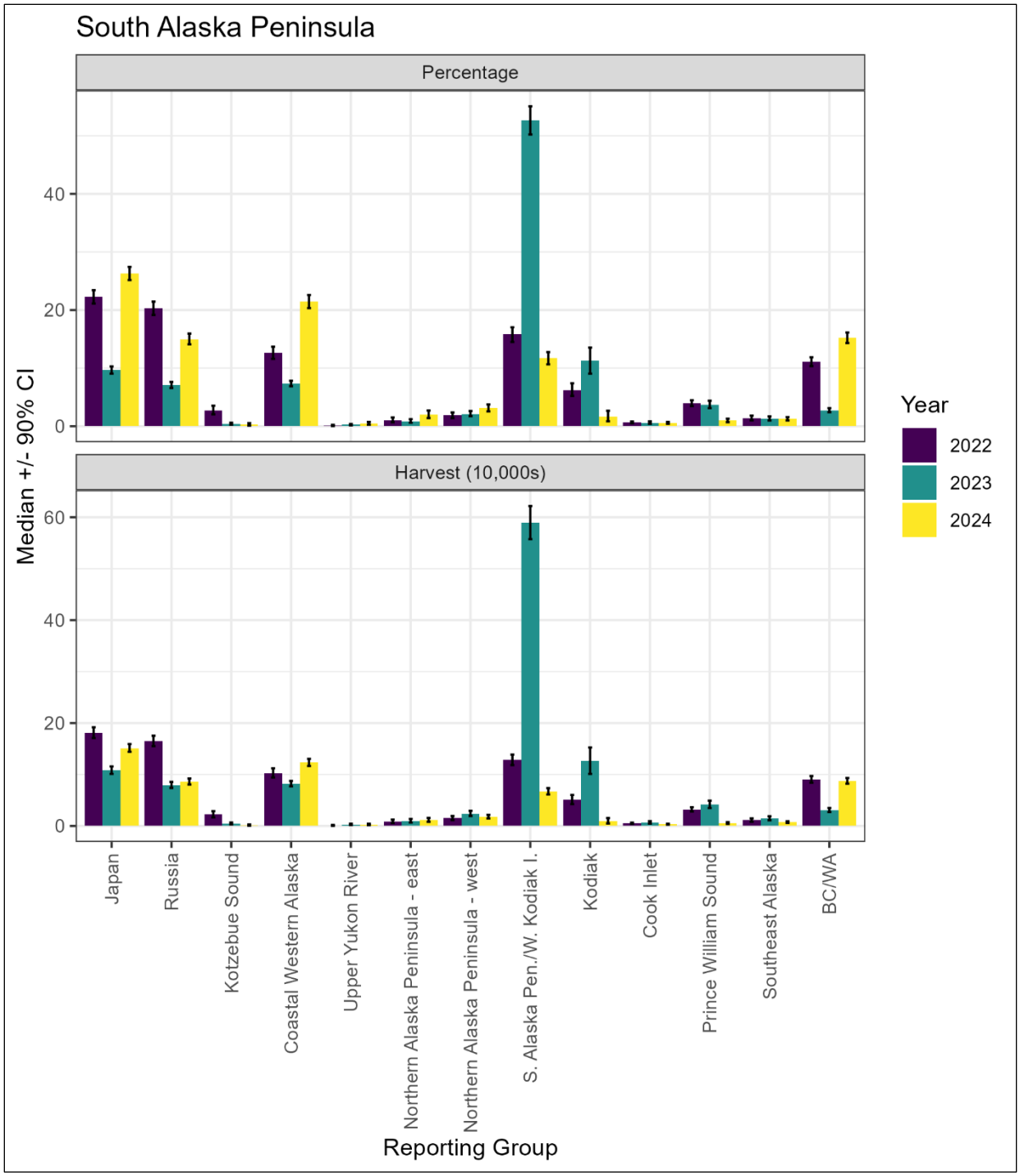

Figure 8.–Stratified estimates of median reporting group stock composition (percentage, top panel) and stock-specific harvest (tens of thousands of fish, bottom panel) and 90% credibility intervals (CI) for chum salmon sampled from the South Alaska Peninsula fishery in 2022, 2023, and 2024.

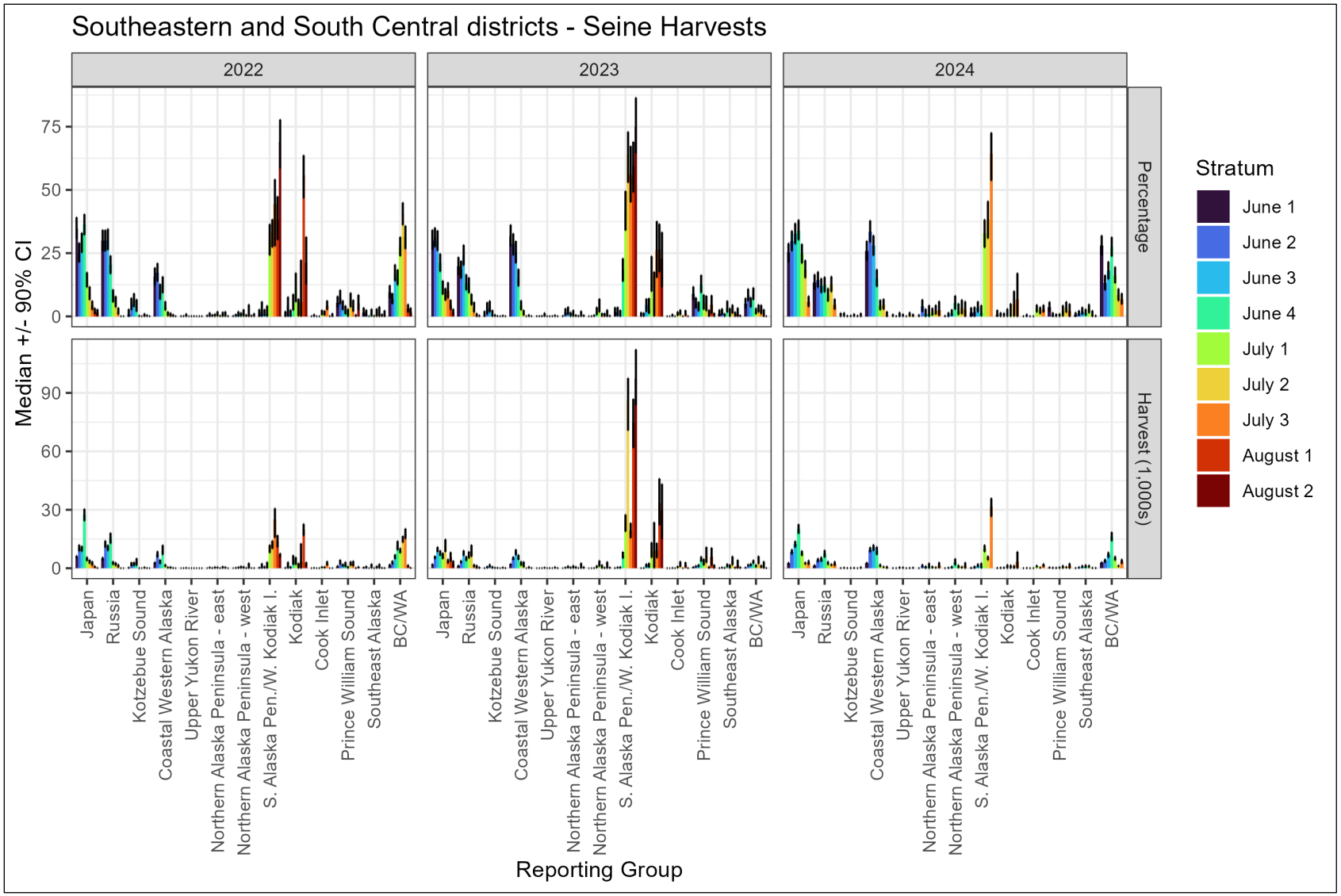

Figure 9.–Median reporting group stock composition (percentage, top panel) and stock-specific harvest (tens of thousands of fish, bottom panel) and 90% credibility intervals (CI) for chum salmon sampled from seine fishery strata in the Southeastern and South Central Districts of the South Alaska Peninsula fishery in 2022, 2023, and 2024.

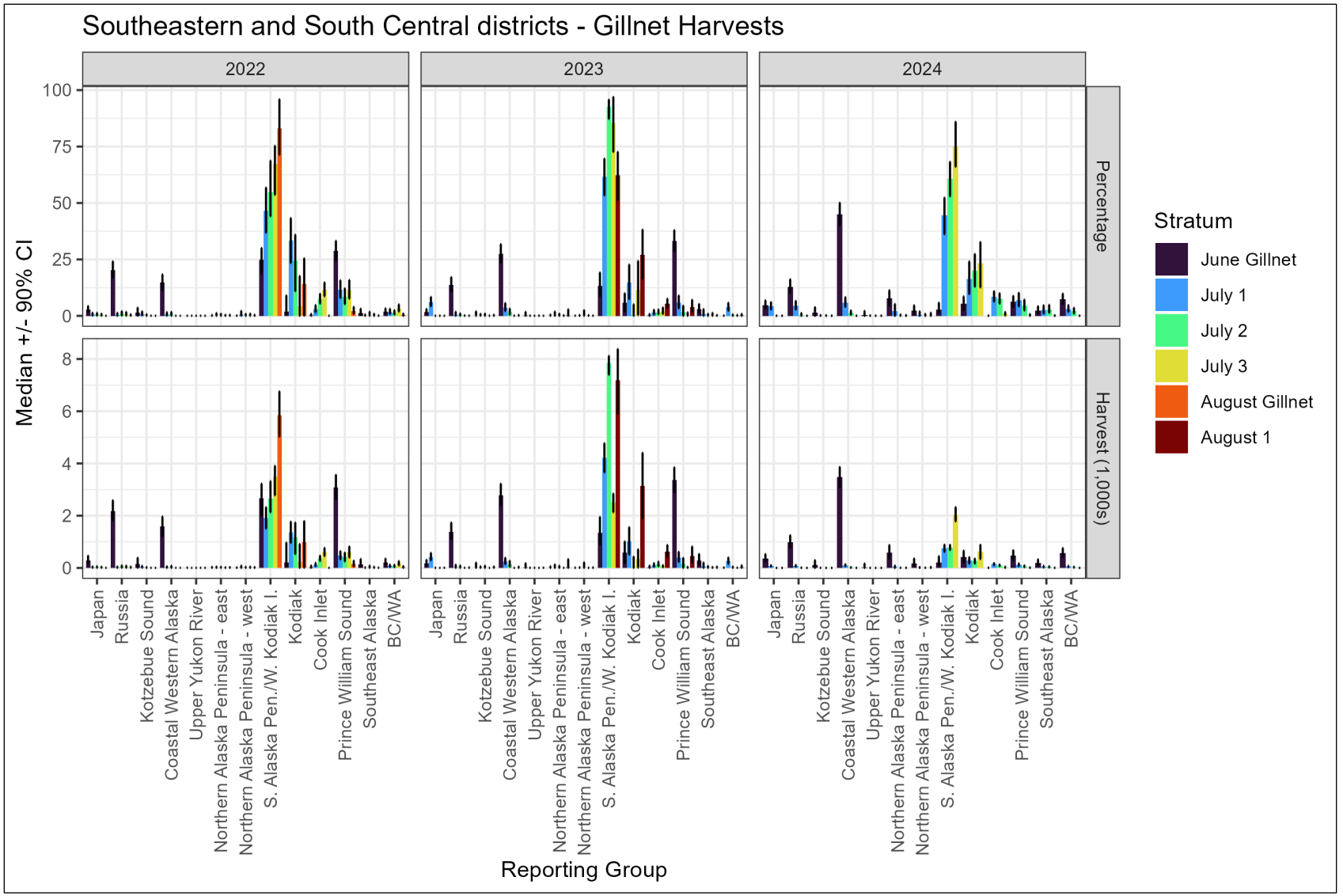

Figure 10.–Median reporting group stock composition (percentage, top panel) and stock-specific harvest (thousands of fish, bottom panel) and 90% credibility intervals (CI) for chum salmon sampled from gillnet fishery strata in the Southeastern and South Central Districts of the South Alaska Peninsula fishery in 2022, 2023, and 2024.

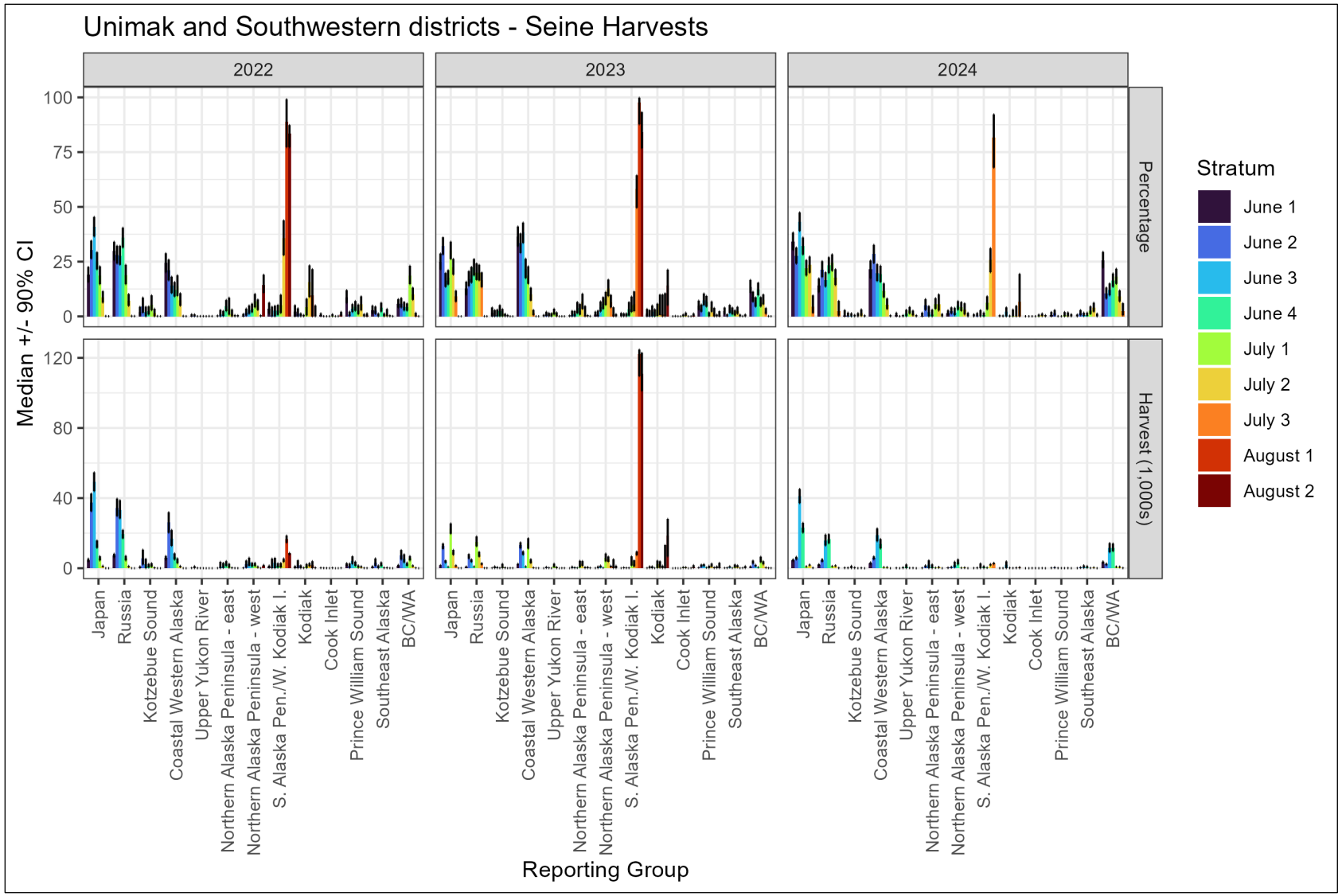

Figure 11.–Median reporting group stock composition (percentage, top panel) and stock-specific harvest (tens of thousands of fish, bottom panel) and 90% credibility intervals (CI) for chum salmon sampled from seine fishery strata in the Unimak and Southwestern Districts of the South Alaska Peninsula fishery in 2022, 2023, and 2024.

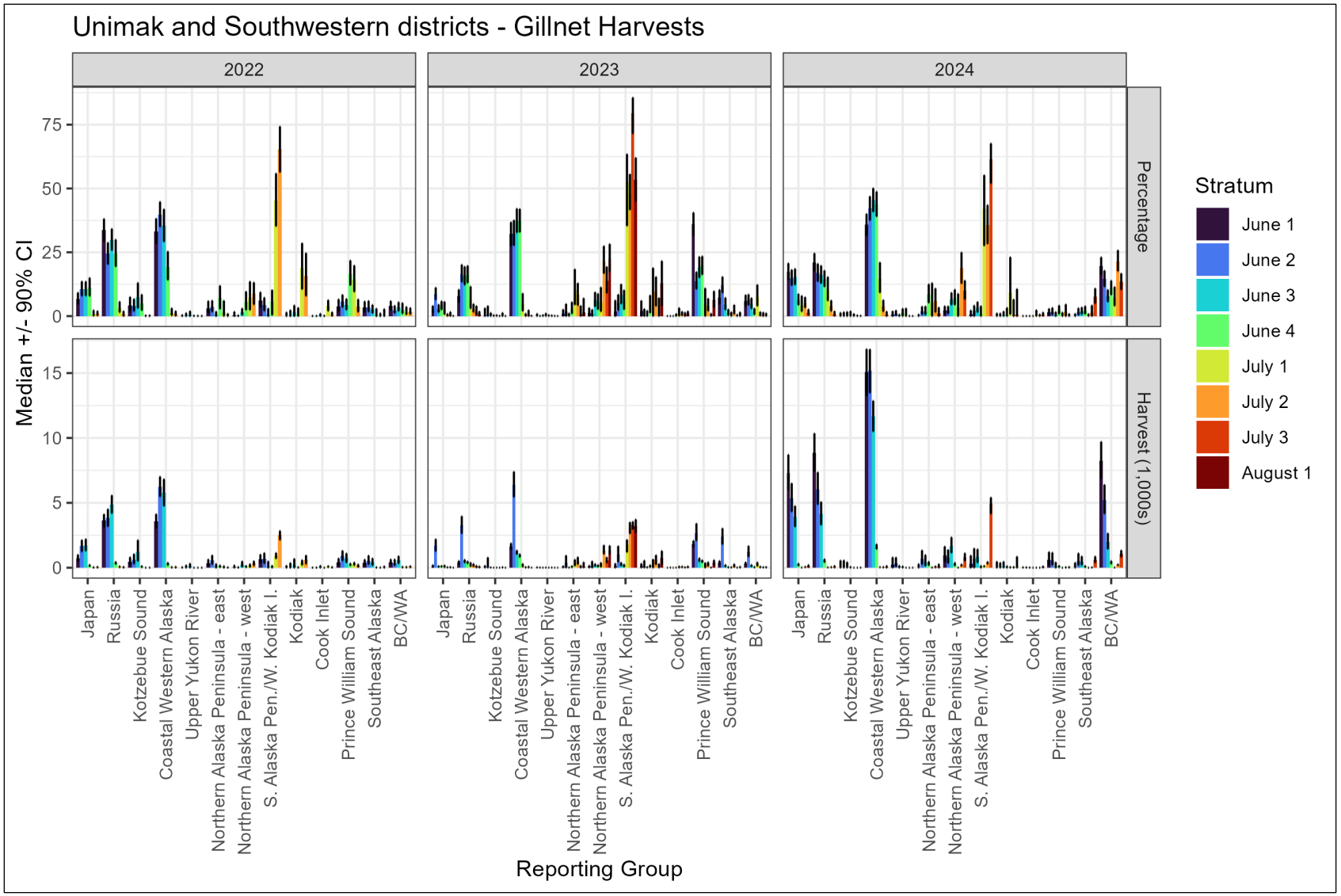

Figure 12.–Median reporting group stock composition (percentage, top panel) and stock-specific harvest (thousands of fish, bottom panel) and 90% credibility intervals (CI) for chum salmon sampled from gillnet fishery strata in the Unimak and Southwestern Districts of the South Alaska Peninsula fishery in 2022, 2023, and 2024.

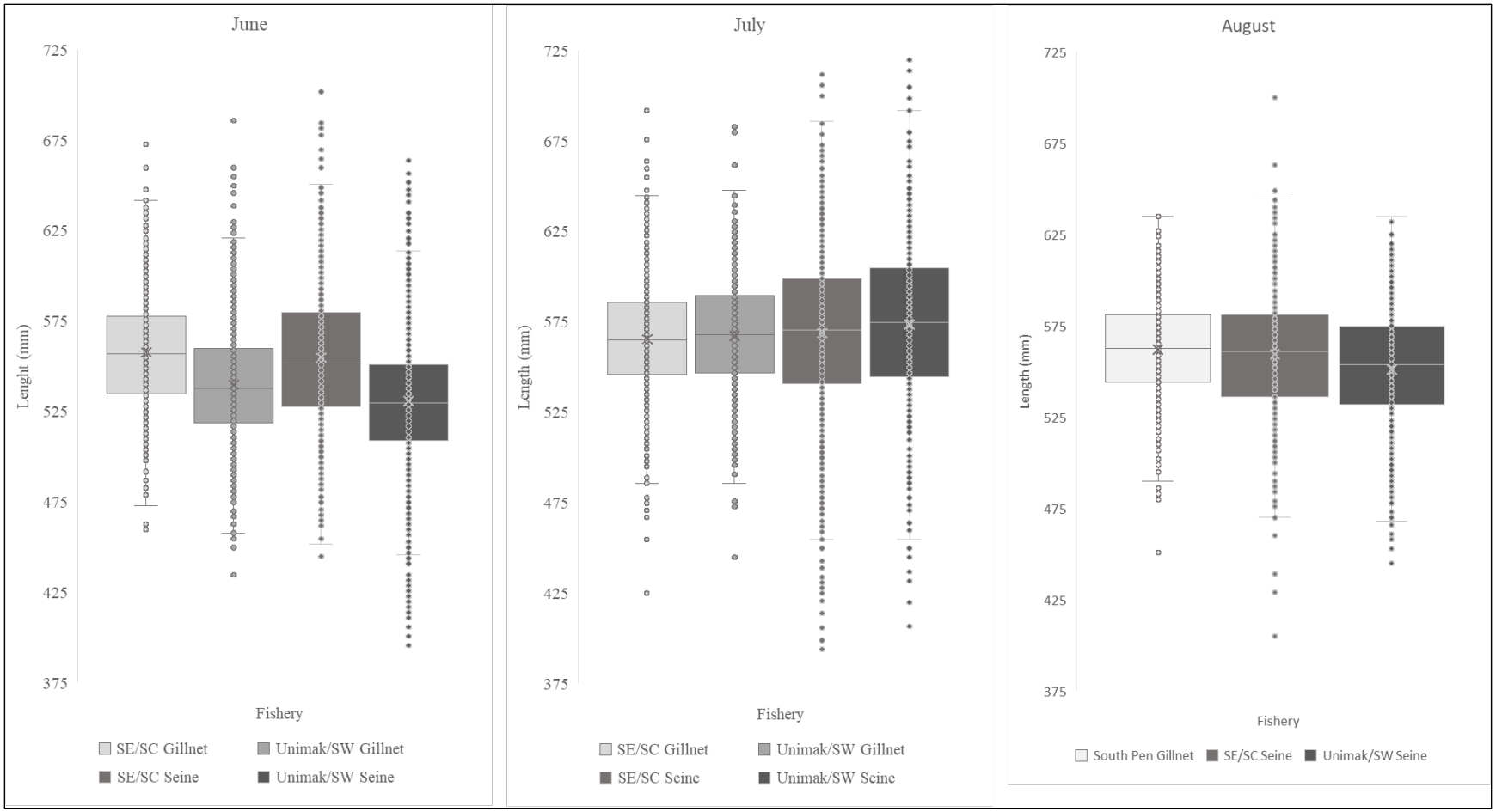

Figure 13.–South Alaska Peninsula area, all strata (n = 14,869). Box plots showing mean, median, percentiles and range of size (mm) of chum salmon genetic samples by fishery and gear type, June through August 2022.

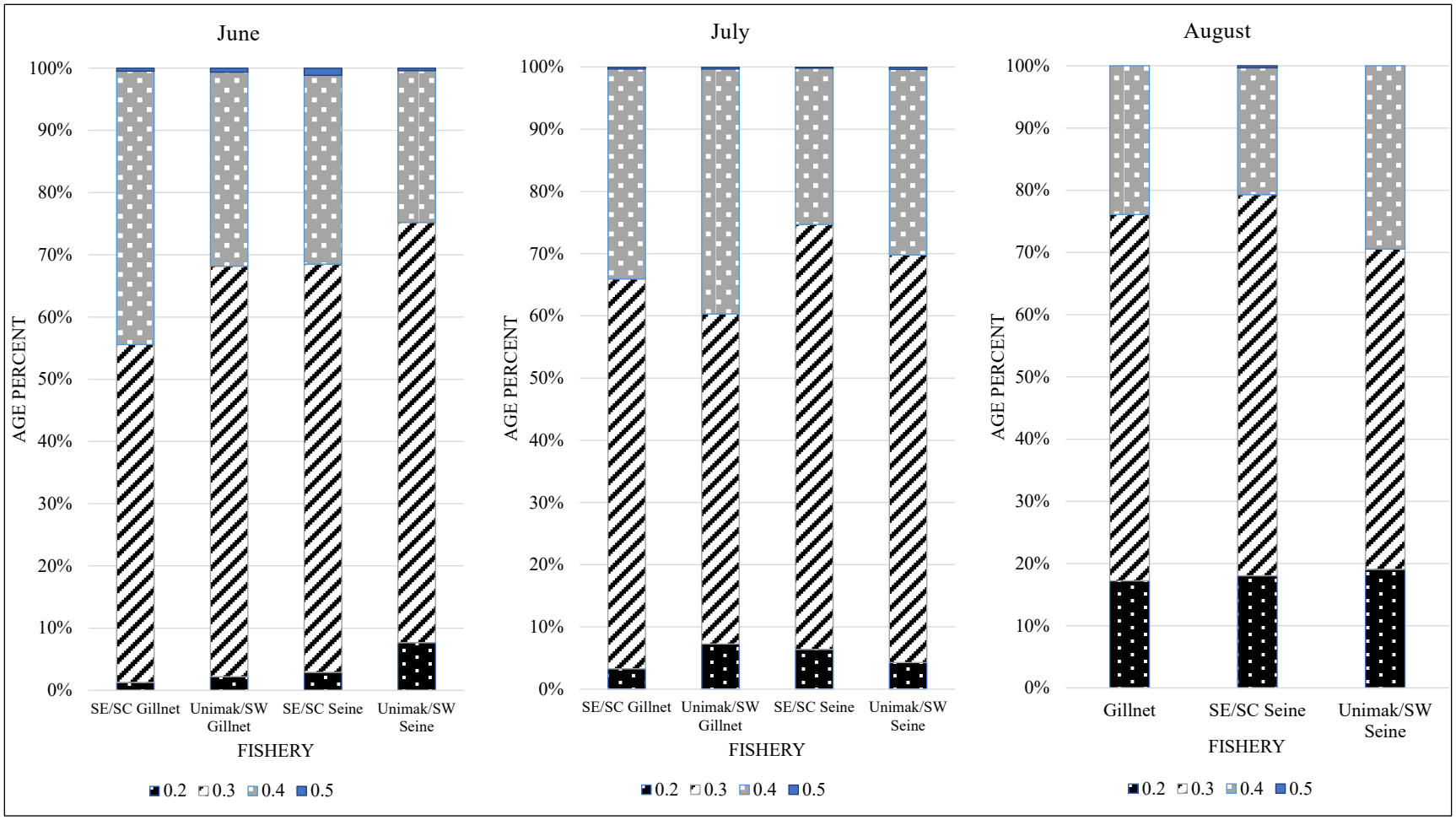

Figure 14.–South Alaska Peninsula area, all strata (n = 12,810). Bar graphs showing age composition of chum salmon genetic samples by fishery and gear type, June through August 2022.

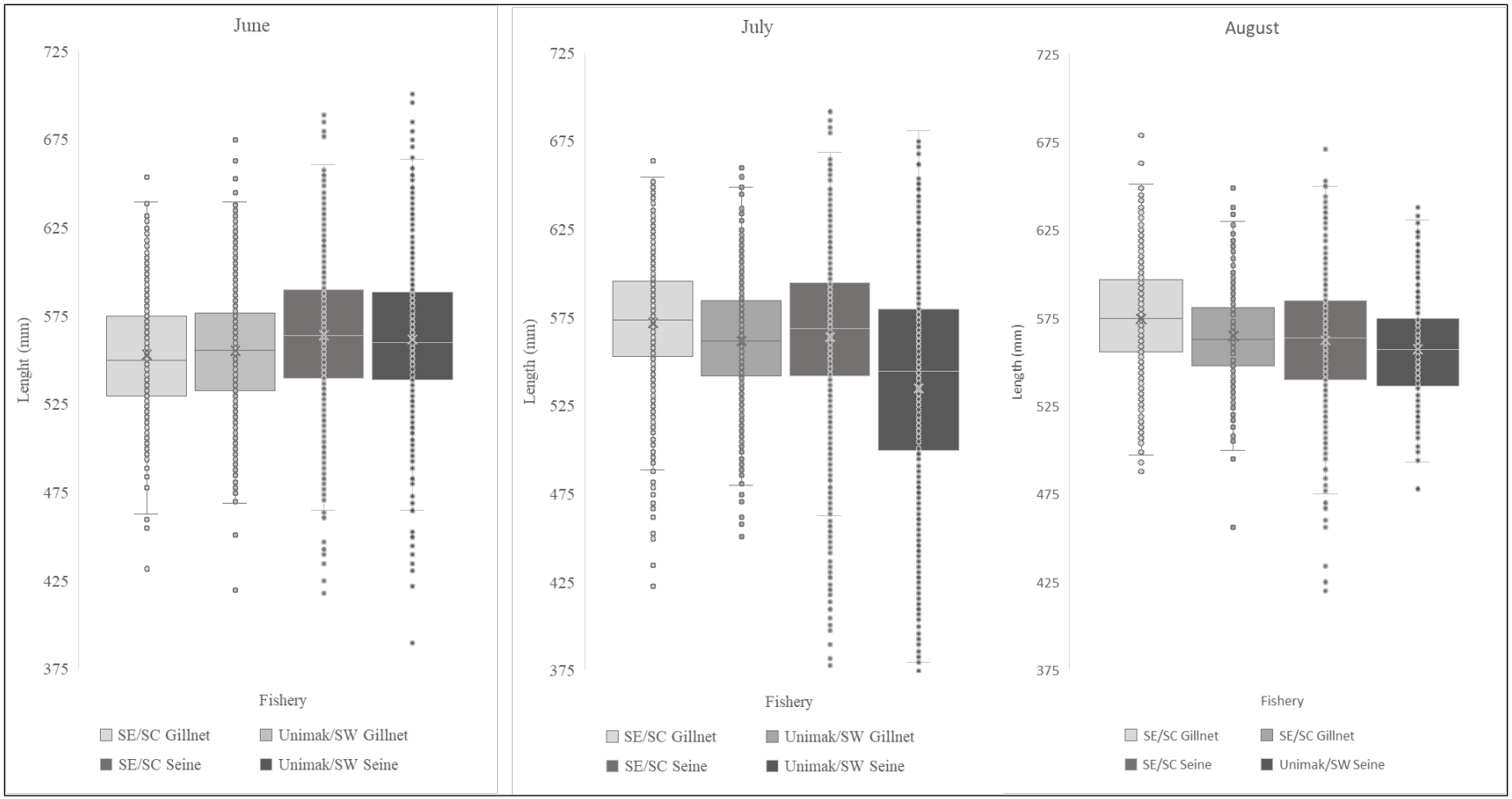

Figure 15.–South Alaska Peninsula area, all strata (n = 16,988). Box plots showing mean, median, percentiles and range of size (mm) of chum salmon genetic samples by fishery and gear type, June through August 2023.

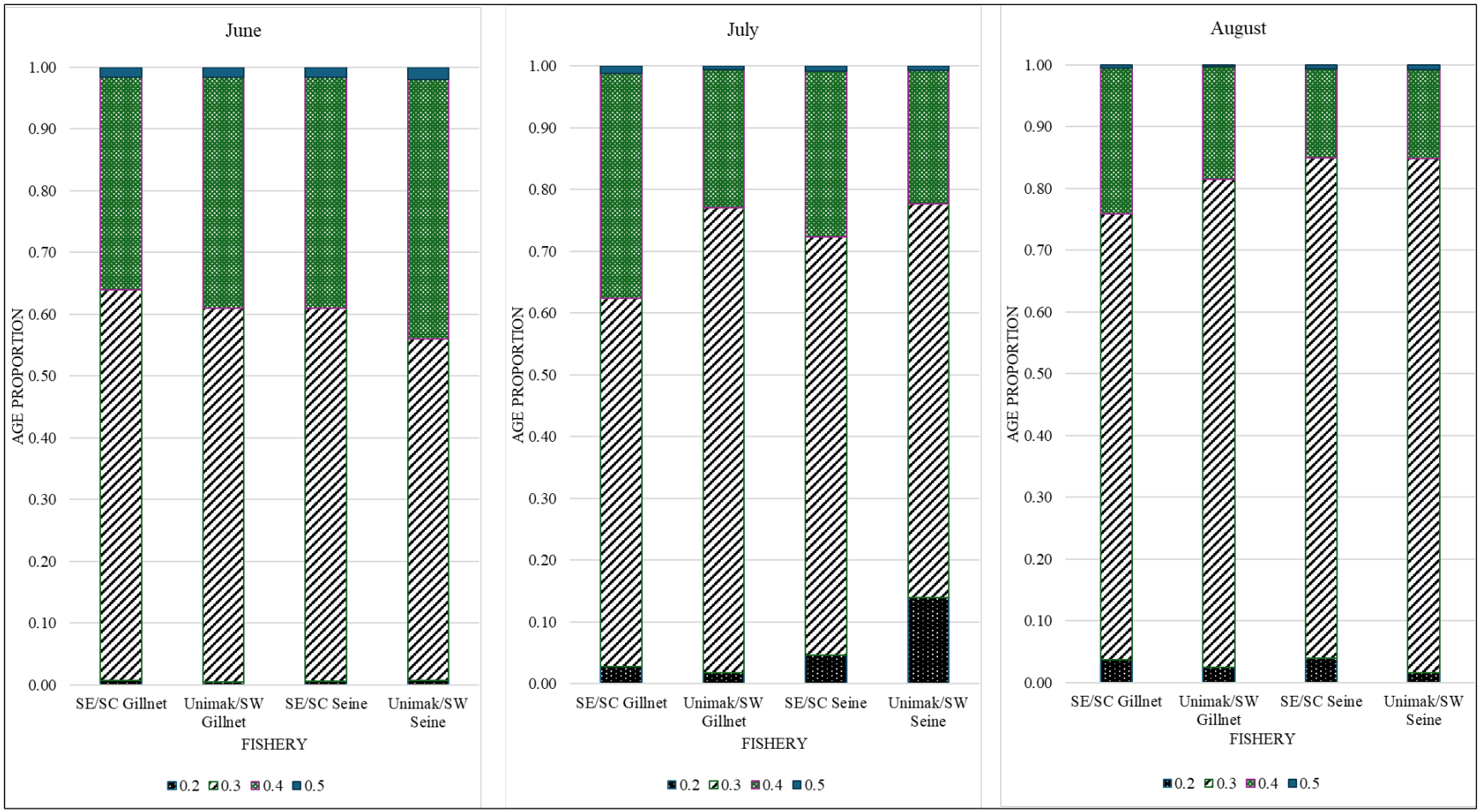

Figure 16.–South Alaska Peninsula area, all strata (n = 15,654). Bar graphs showing age composition of chum salmon genetic samples by fishery and gear type, June through August 2023.

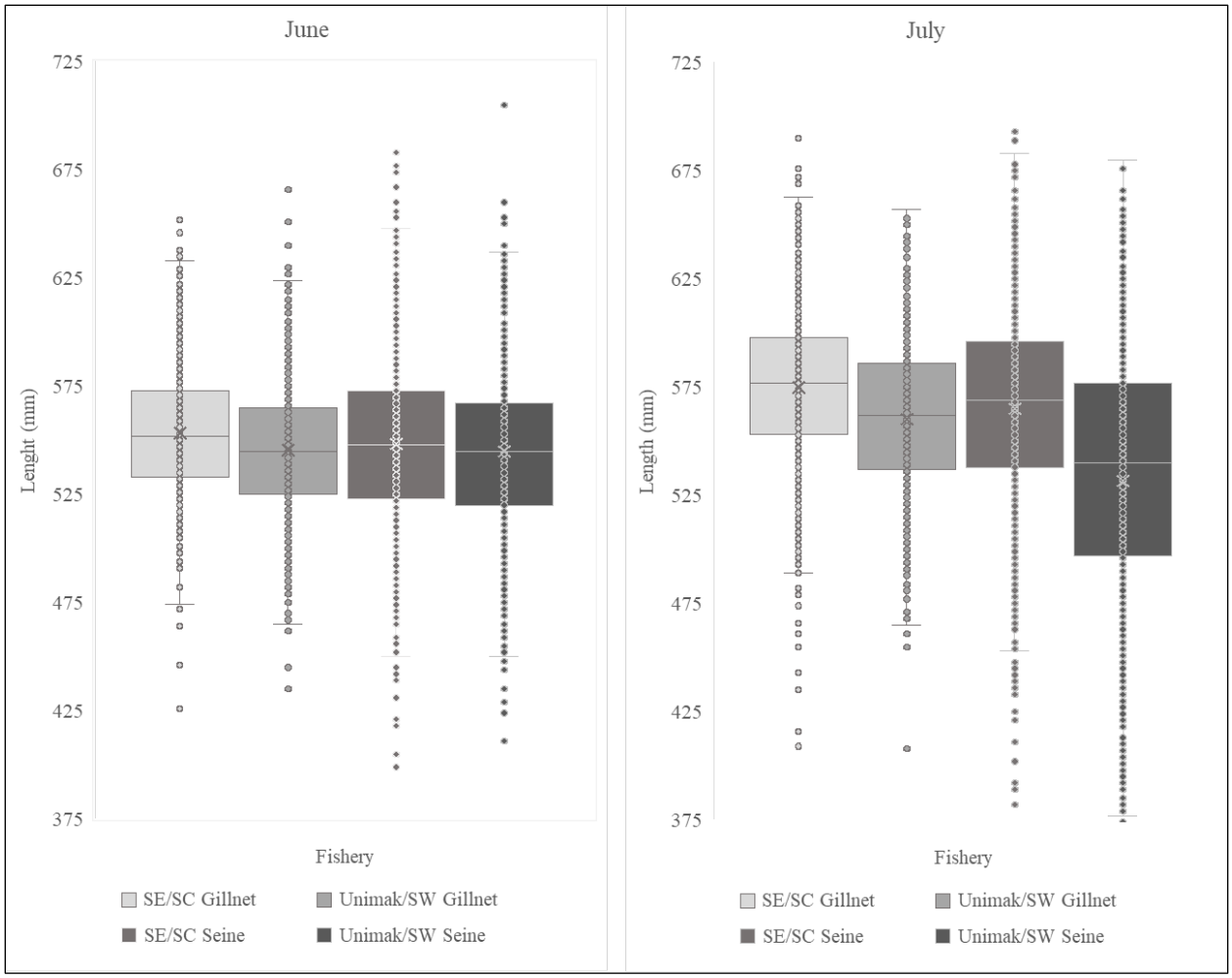

Figure 17.–South Alaska Peninsula area, all strata (n = 12,785). Box plots showing mean, median, percentiles and range of size (mm) of chum salmon genetic samples by fishery and gear type, June through July 2024.

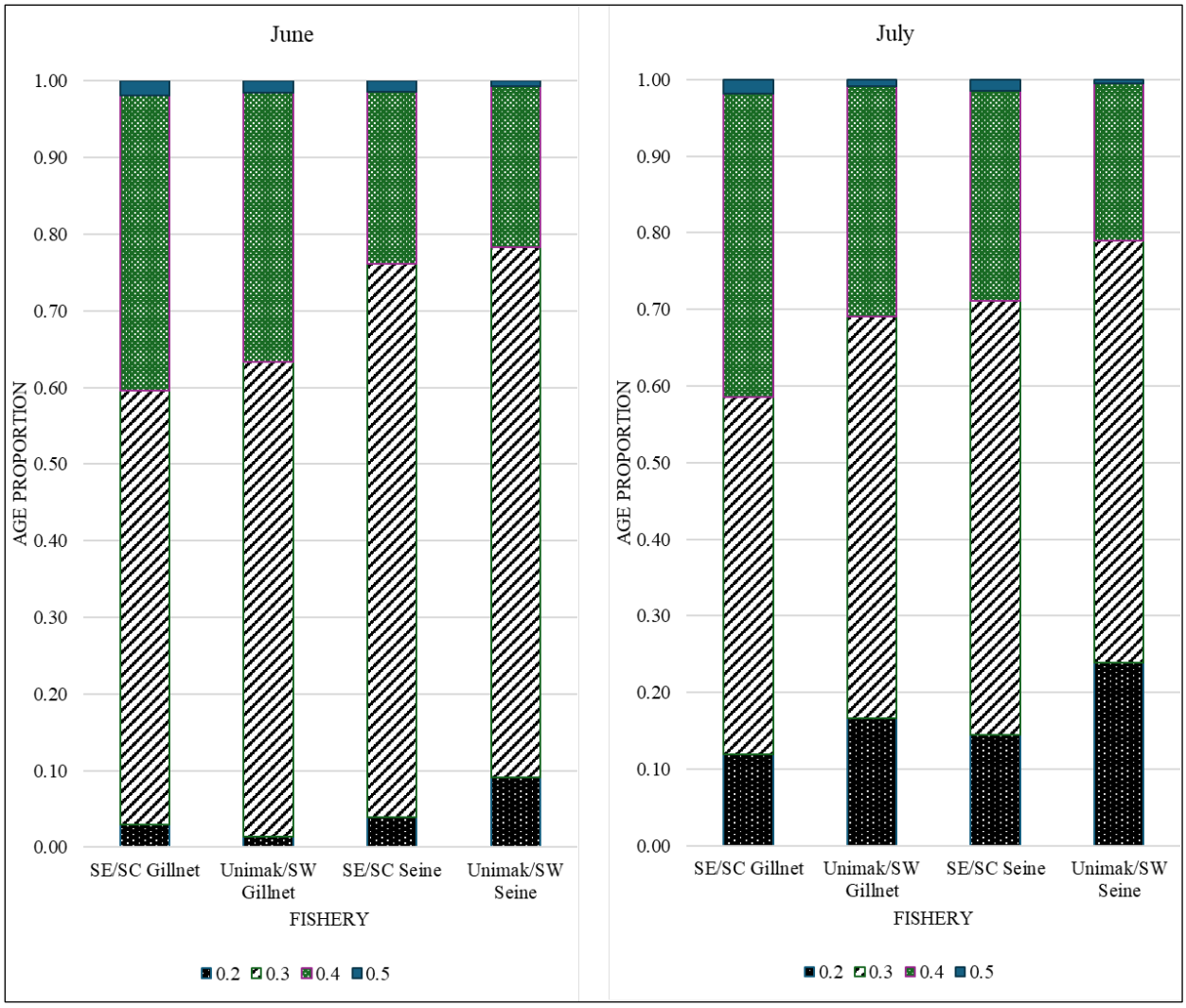

Figure 18.–South Alaska Peninsula area, all strata (n = 11,754). Bar graphs showing age composition of chum salmon genetic samples by fishery and gear type, June through July 2024.

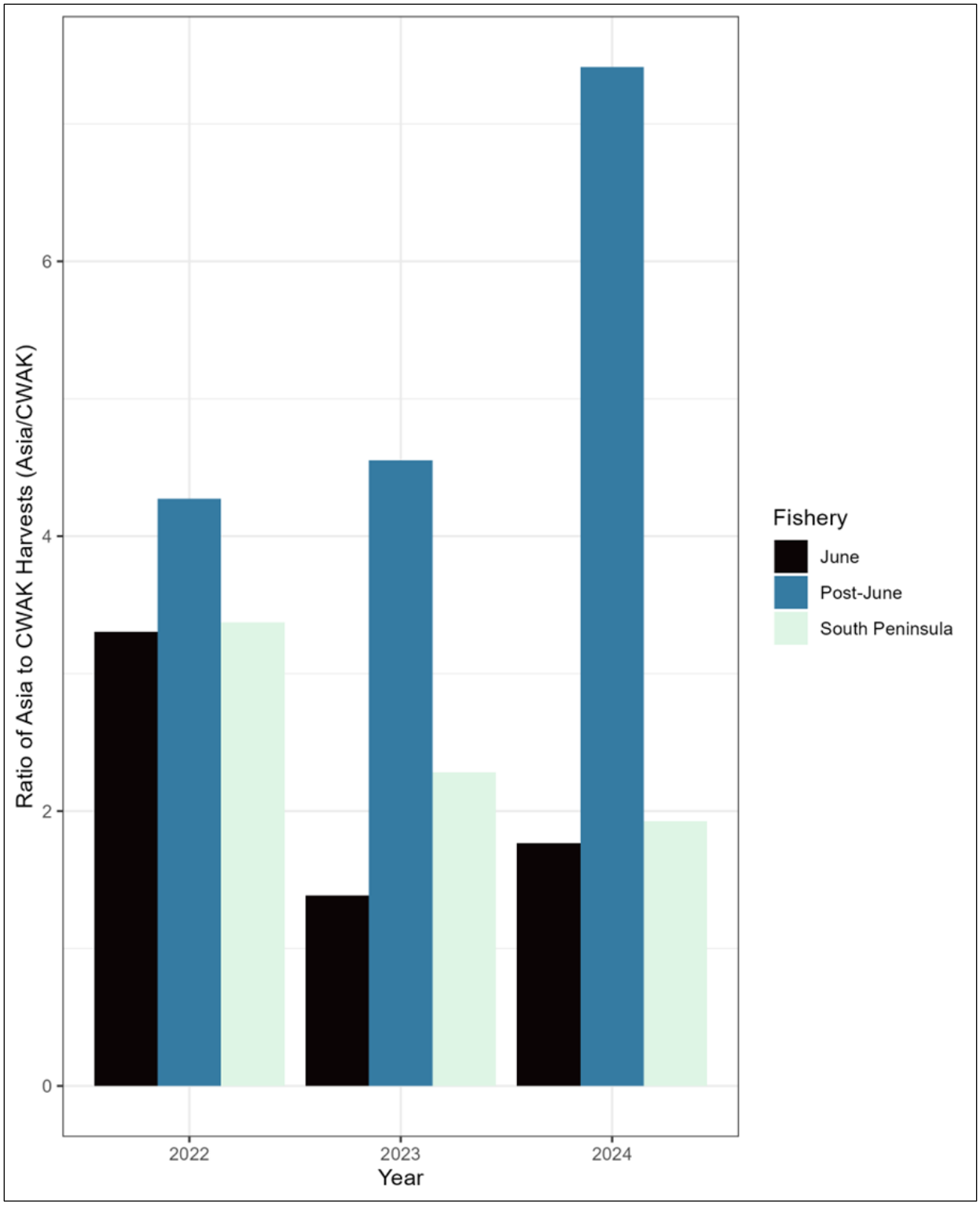

Figure 19.–Ratio of harvest of Asia chum salmon to Coastal Western Alaska (CWAK) chum salmon (Asia divided by CWAK) in 2022, 2023, and 2024 in the June, post-June, and annual South Alaska Peninsula fisheries.

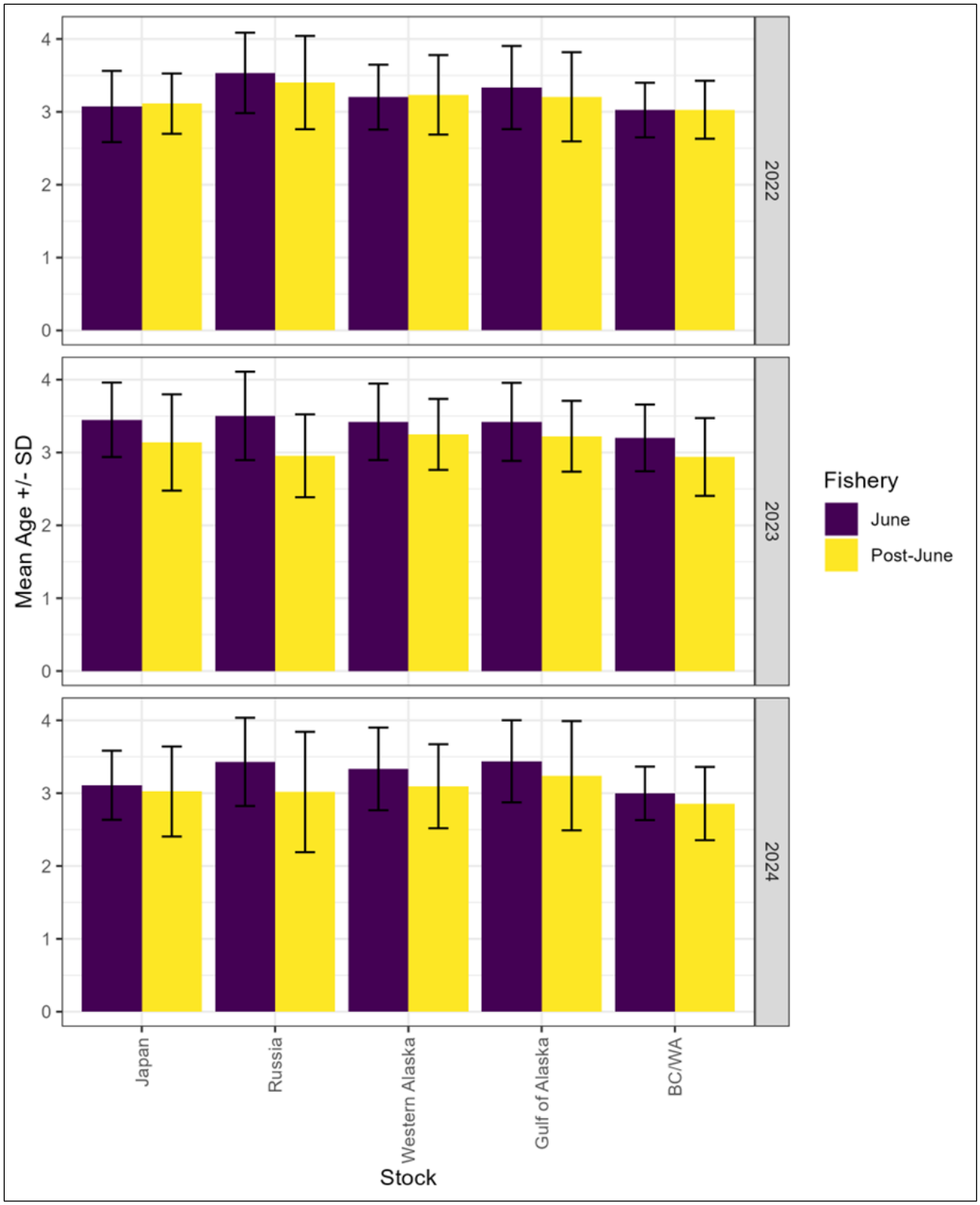

Figure 20.–Mean stock-specific age (+/- SD) observed among chum salmon harvested in the June and post-June fisheries of the South Alaska Peninsula area in 2022, 2023, and 2024.

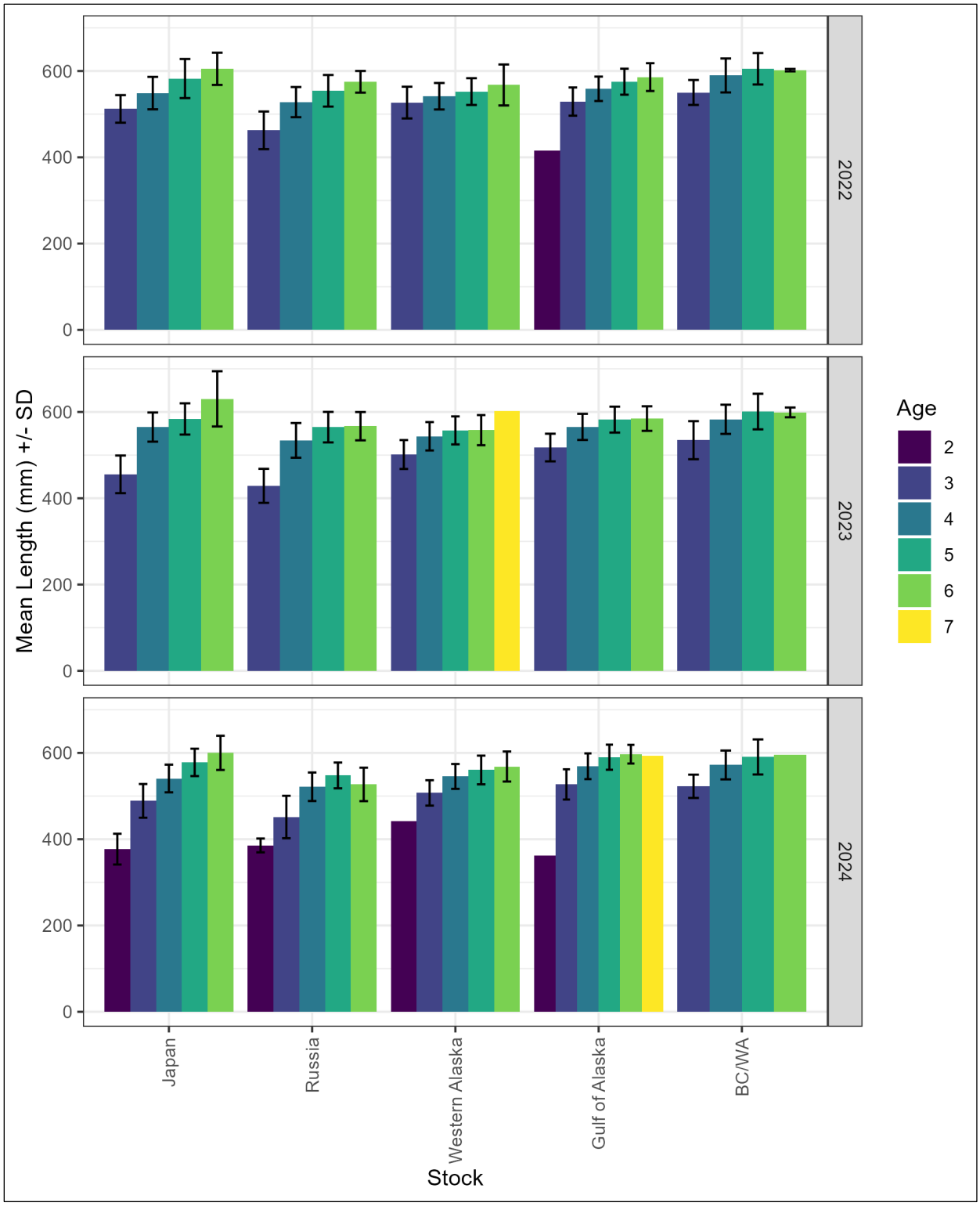

Figure 21.–Mean stock-specific length-at-age (mm; +/- SD) observed among chum salmon harvested in the South Alaska Peninsula fishery in 2022, 2023, and 2024.

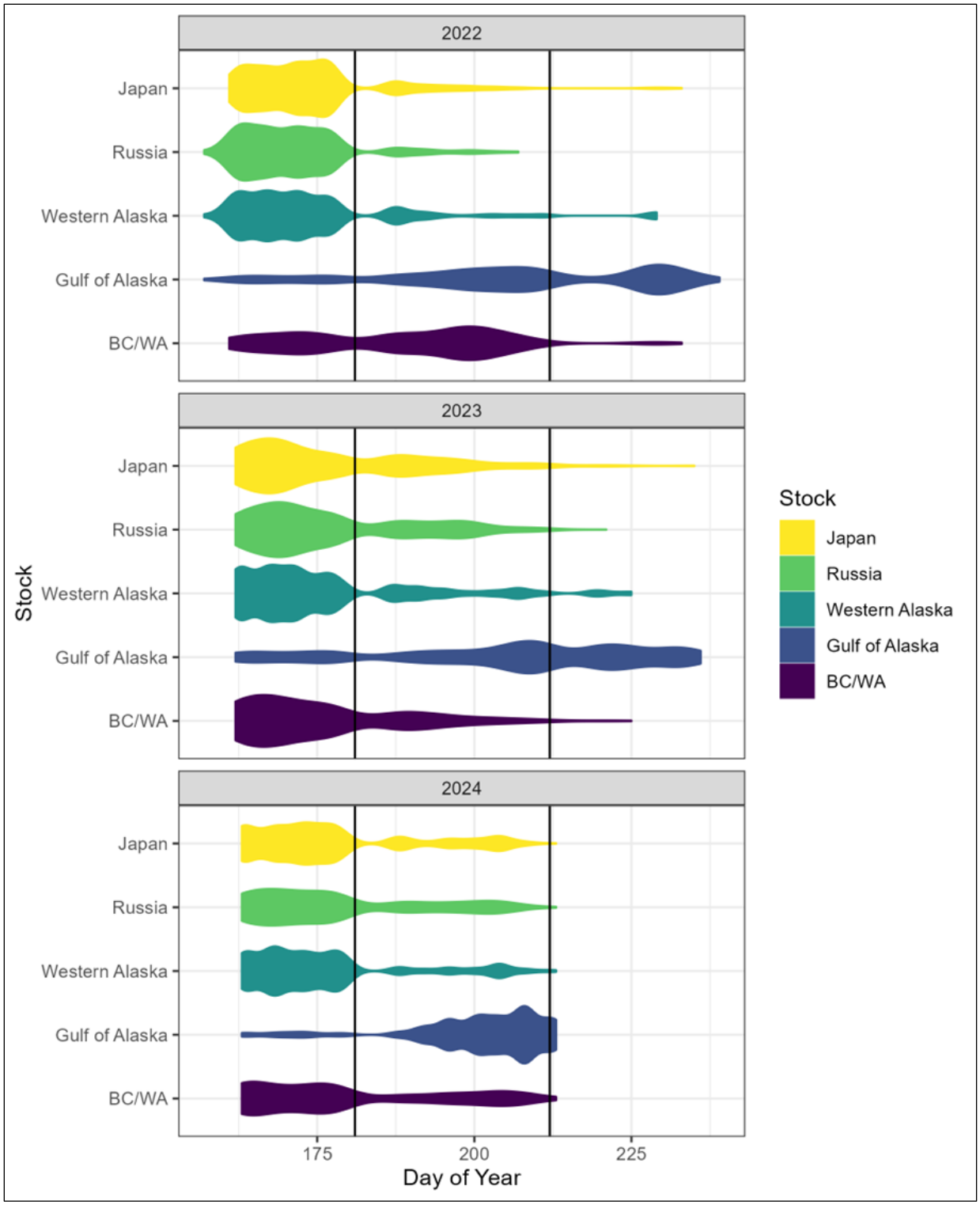

Figure 22.–Violin plot depicting the distribution of stock-specific day of year of harvest observed among chum salmon harvested in the South Alaska Peninsula fishery in 2022, 2023, and 2024. Black vertical lines denote the breaks between June, July, and August.

Note: For reference, in non-leap years (2022 and 2023), day 175 falls on June 24, day 200 on July 19, and day 225 on August 13. In leap years (e.g., 2024), those days are 1 day earlier.

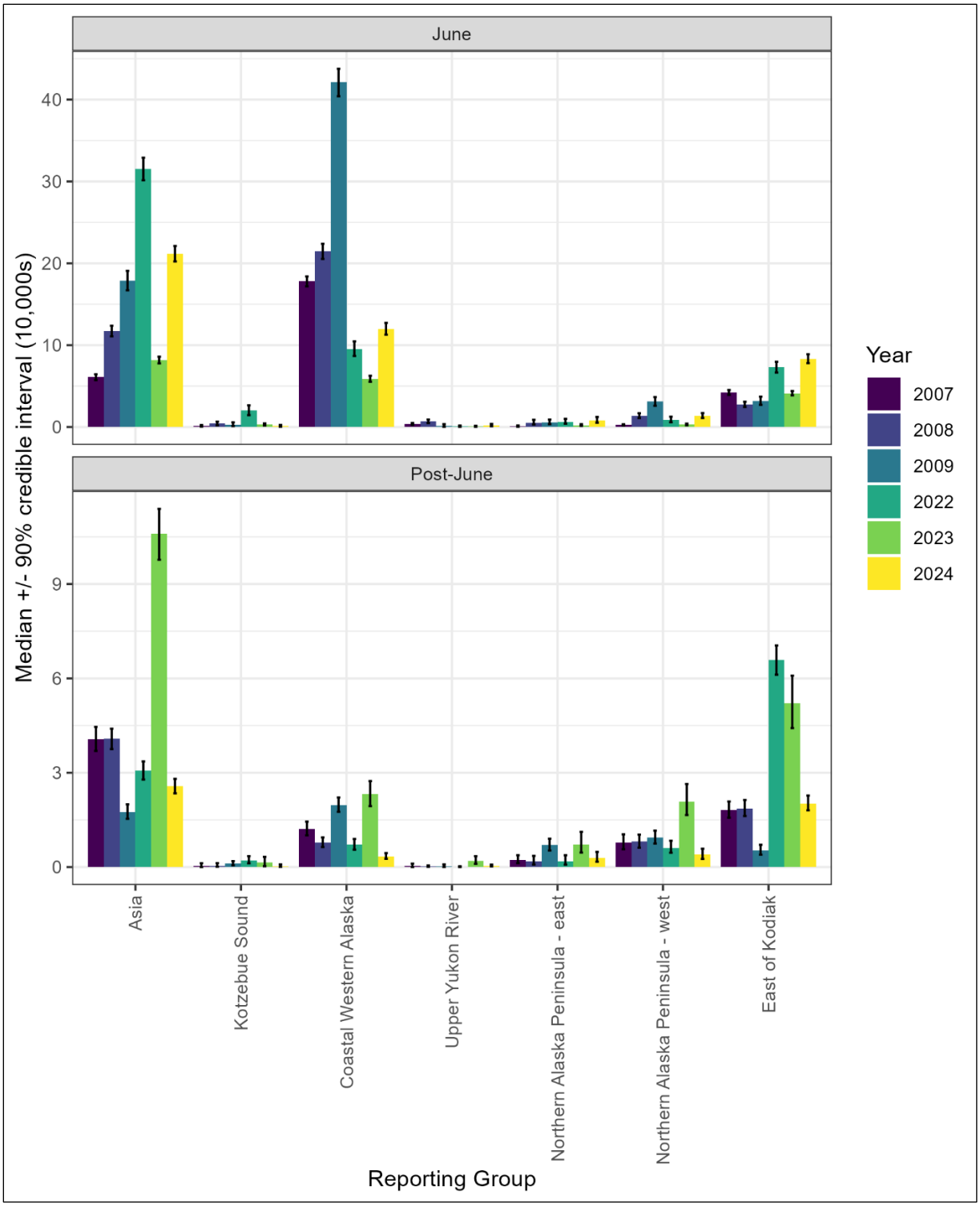

Figure 23.–Stratified estimates of median reporting group stock-specific harvests (tens of thousands of fish) and 90% credibility intervals for chum salmon sampled from the June (top panel) and post-June (bottom panel) fisheries in the South Alaska Peninsula in 2007, 2008, 2009, 2022, 2023, and 2024.

Note: Two reporting groups used in Western Alaska Salmon Stock Identification Program (WASSIP) are absent because their populations do not overlap with those in the current baselines (South Alaska Peninsula and Chignik/Kodiak).

APPENDIX A: SUMMARY OF GENETIC BASELINE

Appendix A1.–Tissue collections of chum salmon, including the population number associated with Appendix A2, reporting group affiliation, location name, collection code, years collected, and numbers of samples: collected (N_c), genotyped (N_g), and included in the baseline (N_b).

Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
1	1	Japan	Gakko River	CMGAKK03E	2003	80	80	78
2	2		Sasanai River	CMSASA90	1990	78	78	77
3	3		Tsugaruishi River	CMTSUG99	1999	80	80	80
4	4		Yurappu River - early	CMYURA97E	1997	80	80	80
5	5		Yurappu River - late	CMYURA97L	1997	80	80	80
6	6		Chitose River	CMCHIT03E	2003	80	79	75
7	6			CMCHIT03L	2003	80	40	33
8	7		Teshio River	CMTESH01	2001	80	80	78
9	8		Tokushibetsu River	CMTSHIB04	2004	80	80	80
10	9		Tokoro River	CMTOKOR05	2005	100	70	69
11	10		Abashiri River	CMABAS98	1998	80	80	79
12	11		Shari River	CMSHAR01	2001	77	77	75
13	–			CMSHIB03	2003	80	34	0
14	12		Nishibetsu River	CMNISH97	1997	80	80	80
15	13		Kushiro River	CMKUSH98	1998	80	79	79
16	14		Tokachi River	CMTOKA02	2002	80	80	78
17	15		Shinzunai River	CMSHIN02	2002	80	80	80
18	16	Russia	Namdae River	CMNAMD05F	2005	100	96	90
19	–			CMNAMD05M	2005	100	96	0
20	–		Narva River	CMNARVA94	1994	18	18	0
21	–			CMNARVA07	2007	51	51	0
22	17		Kalininka River	CMKALI08	2008	90	90	89
23	18		Udarnitsa River	CMUDAR94	1994	49	44	44
24	–		Naiba River	CMNAIB95	1995	100	99	0
25	19			CMNAIB09	2009	50	50	11
26	19			CMNAIB10	2010	50	50	43
27	20		Tym River	CMTYM95	1995	55	53	53
28	–		Langry River	CMLANG09	2009	50	40	0
29	21		Amur River	CMAMU94	1994	43	30	30
30	21			CMAMU97	1997	60	60	60
31	–			CMAMU01	2001	100	30	0
32	–			CMAMUR08	2008	50	50	0
33	22		Tauy River	CMTAUY90	1990	57	43	41
34	23		Ola River	CMOLA90	1990	79	79	78
35	24		Magadan	CMMAG91	1991	80	77	77
36	25		Kulkuty River	CMKULK07	1991	49	49	49
37	26		Oklan River	CMOKLA93	1993	76	76	75

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
38	27		Penzhina River	CMPENZ93	1993	43	43	43
39	28		Palana River	CMPALA98	1998	95	95	90
40	28			CMPALA08	2008	50	50	50
41	29		Hairusova River	CMHAIR93	1993	48	48	48
42	29			CMHAIR90B	1990	139	44	37
43	30		Belogolovaya River	CMBELOG08	2008	50	50	45
44	31		Vorovskaya River	CMVORO93	1993	170	101	101
45	32		Kol River	CMKOL90B	1990	79	79	78
46	32			CMKOL91	1991	80	46	45
47	33		Pymta River	CMPYMT91	1991	40	40	40
48	33			CMPYMT93	1993	50	50	47
49	33			CMPYMT93B	1993	60	60	60
50	34		Ozerki Hatchery-Bistraya River stock	CMOZER98	1998	100	95	93
51	35		Bistraya River	CMBIST98	1998	70	70	66
52	36		Bolshaya River	CMBOL97	1997	102	95	93
53	–		Utka River	CMUTKA91	1991	80	40	0
54	37			CMUTKA02B	2002	40	40	40
55	38		Paratunka River	CMPARA98	1998	149	95	94
56	39		Kamchatka River	CMKAM90	1990	50	50	49
57	40		Hailula River	CMHAIL03	2003	50	50	48
58	41		Ossora River	CMOSS90	1990	40	40	38
59	41			CMOSS96	1996	50	49	49
60	–		Anadyr River	CMANADY93	1993	32	32	0
61	42		Kanchalan River	CMKANC91	1991	80	80	77
62	43	Kotzebue Sound	Kelly River	CMKEL91	1991	101	95	95
63	44		Noatak River	CMNOA91	1991	100	93	92
64	45		Kobuk River - Selby Slough	CMSEL94	1994	100	95	90
65	46		Salmon River	CMKOB91	1991	106	100	99
66	47		Kobuk River - Kiana	CMKIAN04	2004	95	95	95
67	–		Kobuk River	CMKOBU05	2005	197	95	0
68	48		Inmachuk River	CMINMA05	2005	94	94	91
69	49		Serpentine River	CMSERPEN21	2021	101	90	82
70	–		Kreuger Creek	CMKREUGER21	2021	20	20	0

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Appendix A1.–Page 3 of 17.

Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
71	50		Nuluk River	CMNULUK21	2021	51	51	48
72	51		American River	CMAMER05	2005	202	95	86
73	52		Agiapuk River	CMAGIA05	2005	184	95	94
74	52			CMAGIA21	2021	20	20	20
75	53		Belt Creek	CMBELT21	2021	73	73	69
76	54	Coastal Western Alaska	Pilgrim River	CMPIL94	1994	90	90	75
77	55		Snake River	CMSNA92	1992	35	34	34
78	55			CMSNA93	1993	35	35	33
79	55			CMSNA94	1994	24	24	24
80	55			CMSNA95	1995	58	58	57
81	55			CMSNA96	1996	25	24	24
82	56		Nome River	CMNOME05	2005	200	95	94
83	57		Eldorado River	CMELDO05	2005	200	130	122
84	–		Solomon River	CMSOL93	1993	2	2	0
85	58			CMSOL95	1995	65	65	57
86	–			CMSOL96	1996	5	5	0
87	58			CMSOL13	2013	150	95	87
88	59		Niukluk River	CMNIUK04	2004	173	95	93
89	60		Fish River	CMFISH04	2004	170	95	92
90	61		Kwiniuk River	CMKWIN04	2004	95	95	94
91	62		Tubutulik River	CMTUBU09	2009	159	144	135
92	63		Koyuk River	CMKOYU05	2005	46	46	43
93	64		Ungalik River	CMUNGA05	2005	54	54	51
94	64			CMUNGA10	2010	243	98	96
95	65		Shaktoolik River	CMSHAK05	2005	200	95	94
96	66		Unalakleet River	CMUNA92	1992	100	95	94
97	66			CMUNAL04	2004	150	144	143
98	67		Pikmiktalik River	CMPIKM05	2005	200	95	95
99	68	Upper Yukon River	Teslin River	CMTES92	1992	100	94	92
100	68			CMBOSWEL13	2013	122	122	86
101	–		Miller Creek	CMMILL13	2013	13	13	0
102	69		Tatchun River	CMTATN92	1992	98	93	92
103	69			CMTATC13	2013	113	112	84
104	70		Yukon River - Minto	CMMINTS89	1989	100	92	91
105	70			CMMINT13	2013	108	106	78
106	71		Big Creek	CMBCK95	1995	100	100	100

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
107	72		Pelly River	CMPEL93	1993	84	84	84
108	73		Kluane River	CMKLUA01	2001	95	95	85
109	73			CMKLUA07	2007	33	33	29
110	73			CMKLUALK11	2011	61	61	49
111	–			CMKLUALK13	2013	116	115	0
112	74		Donjek River	CMDON94	1994	76	69	60
113	–		Fishing Branch River	CMFBR87	1994	95	95	0
114	75			CMFBR89	1989	50	50	50
115	75			CMFBR92	1992	100	99	92
116	75			CMFBR97	1997	161	159	148
117	75			CMFBR94	1994	100	100	97
118	75			CMFBR07	2007	95	95	90
119	76		Porcupine River	CMOLDC07	2007	304	95	92
120	77		Sheenjek River	CMSHE92	1992	100	96	93
121	77			CMSHEE11	2011	173	173	173
122	–		Black River	CMBLAC95	1995	96	95	0
123	78			CMBLAC14F	2014	88	88	88
124	79		Chandalar River	CMCHAN01	2001	263	95	92
125	79			CMCHAN11	2011	63	63	56
126	80		Big Salt River	CMBSAL01	2001	71	71	69
127	81		Clearwater Creek	CMCLEW90	1990	80	80	78
128	82		Bluff Cabin Creek	CMBLU92	1992	100	100	99
129	83		Delta River	CMDEL94	1994	150	150	149
130	84	Coastal Western Alaska	Salcha River - early	CMSAL01	2001	85	85	83
131	84			CMSAL13E	2013	99	97	67
132	85		Salcha River - late	CMSAL13L	2013	100	97	45
133	86		Chena River	CMCHE94	1994	100	100	82
134	86			CMCHE13E	2013	102	102	100
135	86			CMCHE13L	2013	74	74	72
136	87	Upper Yukon River	Seventeenmile Slough	CM17MI10F	2010	288	97	90
137	88		Toklat River	CMTOK93	1993	200	87	87
138	88			CMTOKA94	1994	100	95	95
139	89		Sushana River	CMTOKS94	1994	100	95	94
140	90		Kantishna River	CMKAN01	2001	161	95	94

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
141	91		Tanana River	CMTAN93	1993	100	95	95
142	92	Coastal Western Alaska	Tozitna River	CMTOZI03	2003	250	95	92
143	93		Melozitna River	CMMELO03	2003	146	95	91
144	94		Hot Springs Creek	CMMEL94	1994	100	95	95
145	94			CMMELOZ12	2012	83	83	79
146	95		Middle Fork Koyukuk River	CMMFKOY11	2011	21	21	20
147	95			CMMFKOY12	2012	25	25	23
148	95			CMMFKOY13	2013	138	137	135
149	96		South Fork Koyukuk River -early	CMSFKO96E	1996	100	93	90
150	97		South Fork Koyukuk River - late	CMSFKO96L	1996	100	95	92
151	98		Jim River	CMJIM02	2002	160	95	92
152	98			CMJIM10	2010	57	57	54
153	98			CMJIM11	2011	33	33	32
154	98			CMJIM12	2012	51	50	49
155	98			CMJIM13	2013	52	52	51
156	99		Henshaw Creek - late	CMHENS95	1995	62	62	60
157	100		Henshaw Creek - early	CMHENS04	2004	200	95	94
158	101		Clear Creek	CMCLE02	2002	133	95	94
159	102		Dakli River	CMDAKL12	2012	56	56	53
160	103		Huslia River	CMHUS93	1993	100	95	95
161	104		Gisasa River	CMGIS04	2004	197	106	106
162	105		Nulato River	CMNUL03	2003	95	95	94
163	105			CMNUL94	1994	100	95	95
164	106		Kaltag River	CMKALT92	1992	100	93	92
165	107		Rodo River	CMRODO89	1989	78	75	69
166	108		Otter Creek	CMOTT93	1993	100	61	61
167	109		Swift River	CMANV92C	1992	100	94	94
168	110		Yellow River	CMANV92B	1992	121	80	80
169	111		Beaver Creek	CHANV92	1992	120	15	15
170	111			CMANV93D	1993	100	95	95
171	112		Tolstoi Creek	CMTOLS97	1997	100	95	95
172	113		California Creek	CMCALIF97	1997	100	95	88
173	114		Innoko River	CMYUKA93	1993	88	85	85
174	115		Chuilnak River	CMCHUL89	1989	96	93	92

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
175	116		Andreafsky River	CMANDR04E	2004	200	101	95
176	116			CMAND93W	1993	100	93	85
177	117		Black River	CMBLAC06	2006	224	144	93
178	118		Mekoryuk River	CMMEKO06A	2006	93	93	78
179	118			CMMEKO06C	2006	27	26	26
180	119		South Fork Kuskokwim River	CMSFKU08	2008	151	95	95
181	120		Windy Fork Kuskokwim River	CMWINDF08	2008	138	95	93
182	121		Big River	CMBIGR08	2008	99	95	94
183	122		Takotna River	CMTAK07	2007	100	95	94
184	122			CMTAKW07	2007	120	43	42
185	123		Nunsatuk River	CMNUN94	1994	96	96	92
186	124		Tatlawiksuk River	CMTATL07	2007	299	246	243
187	125		Necons River	CMNECO06	2006	6	6	6
188	125			CMNECO07	2007	127	127	127
189	126		Stony River	CMSTO94E	1994	200	95	95
190	126			CMSTO94L	1994	56	56	55
191	127		Kogrukluk River	CMKOG07	2007	200	95	95
192	128		George River	CMGEO07	2007	315	95	95
193	129		Holokuk River	CMHOL95	1995	48	11	11
194	129			CMHOL08	2008	229	95	92
195	130		Salmon River	CMSALM07	2007	95	95	95
196	131		Aniak River	CMANI92	1992	100	95	92
197	132		Tuluksak River	CMTUL07	2007	200	93	92
198	133		Kisaralik River	CMKIS94	1994	100	95	93
199	134		Kwethluk River	CMKWE94	1994	100	48	48
200	134			CMKWE07	2007	198	95	95
201	135		Kasigluk River	CMKAS94	1994	70	70	68
202	136		Kanektok River	CMKAN07	2007	95	95	94
203	137		Goodnews River	CMGOOD06NF	2006	46	46	43
204	137			CMGOO91	1991	100	95	94
205	137			CMGOOD07MF	2007	141	139	138
206	138		Osviak River	CMOSVIAK10	2010	95	95	88
207	138			CMOSVIAK12	2012	34	34	33
208	139		Togiak River	CMTOG93	1993	100	94	92
209	139			CMTOG94	1994	100	95	87

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
210	139			CMTOGRM11	2011	93	93	83
211	140		Sunshine Creek	CMSUNS06	2006	51	47	47
212	141		Upper Nushagak River	CHUNUS92	1992	53	52	51
213	141			CMNUS93	1993	50	48	46
214	142		Klutuspak Creek	CMKLUTU10	2010	75	75	70
215	143		Stuyahok River	CMSTUY14	2014	197	197	195
216	143			CMSTUY92	1992	31	31	31
217	143			CMSTUY93	1993	57	57	55
218	144		Mulchatna River	CMMUL94	1994	95	95	91
219	145		Kokwok River	CMKOKW11	2011	174	133	131
220	146		Iowithla River	CMIOW10	2010	95	95	95
221	147		Alagnak River	CMALA92	1992	84	84	84
222	147			CMALAG10	2010	95	95	92
223	148		Big Creek	CMBRIB93	1993	80	70	69
224	149	Northern Alaska Peninsula - east	Whale Mountain Creek	CMBRIA93	1993	98	95	95
225	149			CMWHLMT10	2010	95	95	94
226	150		Wandering Creek	CMWAND10	2010	50	50	50
227	151		Pumice Creek	CMBRIC93	1993	100	94	94
228	151			CMPUMIC10	2010	114	95	95
229	152		Wiggly Creek	CMWIGG09	2009	110	95	83
230	152			CMWESC93	1993	100	95	94
231	153		Shoe Creek	CMSHOE10	2010	204	95	95
232	154		Blue Violet Creek	CMBLUEV10	2010	75	75	74
233	155		Plenty Bear Creek	CMWESB93	1993	93	92	90
234	155			CMPLEN09	2009	51	51	48
235	156		Braided Creek	CMMESB09	2009	109	94	94
236	157		Meshik River	CMMES92	1992	87	78	78
237	158		Cape Seniavin	CMNCSEN10	2010	30	30	29
238	158			CMNPEN01	2001	55	55	45
239	158			CMNCSEN09	2009	22	22	22
240	159		Ilnik River	CMILNIK02	2002	50	50	49
241	160		Right Head Moller Bay-site A	CMNPE98A	1998	100	95	95

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
242	161		Right Head Moller Bay-site B	CMRHMB09	2009	131	95	94
243	162		Lawrence Valley Creek	CMLAW09	2009	111	95	95
244	162			CMLAW92	1992	100	95	95
245	163		Coal Creek	CMCOAL08	2008	97	97	94
246	164		Deer Valley	CMDEERV08	2008	130	130	91
247	165		Sapsuk River	CMNELSR08	2008	95	95	76
248	165			CMSAP92	1992	80	80	68
249	166	Northern Alaska Peninsula - west	Moffett Creek	CMMOF96	1996	100	95	95
250	–		Joshua Green River	CHJOS92	1992	80	86	0
251	–			CMJOS94	1994	100	95	0
252	167			CMJOS09	2009	200	95	92
253	168		Frosty Creek	CMFRO09	2009	95	95	95
254	168			CMFRO92	1992	100	95	95
255	169		Alligator Hole	CMALL96	1996	100	95	95
256	169			CMALL09	2009	125	95	88
257	170		Traders Cove	CMTRA92	1992	100	76	76
258	171		Saint Catherine Cove	CMSTC92	1992	86	80	80
259	171			CMSTC09	2009	173	95	91
260	172		Peterson Lagoon	CMPETL09	2009	100	95	95
261	172			CHPET92	1992	86	86	86
262	173	S. Alaska Pen./W. Kodiak I.	Little John Lagoon	CMLIJ09	2009	142	95	92
263	173			CHLIJ92	1992	80	80	80
264	174		Sandy Cove	CMSANC09	2009	200	95	95
265	174			CMSANC96	1996	100	95	91
266	175		Russel Creek	CMRUS09	2009	108	95	94
267	175			CMRUS92	1992	100	95	95
268	175			CMRUS93	1993	100	93	91
269	176		Delta Creek	CMDEL96	1996	100	95	95
270	177		Belkofski River	CMBEL92	1992	87	87	87
271	–		Volcano Bay	CMVOL92	1992	64	53	0
272	–			CMVOL96	1996	42	42	0
273	178			CMVOL09	2009	106	95	95
274	179		Ruby's Lagoon	CMRUB96	1996	100	95	92
275	180		Canoe Bay River	CMCAN92	1992	100	95	94

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
276	180			CMCAN09	2009	110	95	92
277	181		Zachary Bay	CMZAC92	1992	80	80	76
278	182		Foster Creek	CMFOST09	2009	204	95	89
279	182			CHBAL92	1992	100	95	93
280	183		Coleman Creek	CMCOL96	1996	100	95	95
281	184		Chichagof Bay	CMCHI09	2009	137	95	89
282	184			CMCHI96	1996	100	95	91
283	185		Stepovak Bay	CMSTE92	1992	50	50	50
284	185			CMSTE09	2009	110	95	93
285	–		Stepovak River	CMWESM93	1993	100	95	0
286	186			CMSTEPR09	2009	121	95	94
287	187		Smokey Hollow Creek	CMSMOKH10	2010	172	86	86
288	188		Ivanof River	CMIVAN09	2009	104	95	94
289	188			CMWESL93	1993	94	88	87
290	189		Portage Creek	CMPORTC08	2008	95	95	95
291	189			CMWESJ93	1993	100	95	95
292	190		Rudy Creek	CMRUDY10	2010	97	95	93
293	191		North Fork Creek	CMWESK93	1993	72	72	71
294	192		Kujulik River	CMKUJUNF09	2009	119	95	93
295	193		Aniakchak River	CMWESE93	1993	100	95	94
296	194		Amber Bay	CMWESN93	1993	92	92	89
297	195		Main Creek	CMAMBM09	2009	85	85	85
298	196		Northeast Creek	CMNECR08	2008	112	112	94
299	197		Ocean Beach	CMOCEB09	2009	79	79	78
300	198		Nakalilok River	CMNAKIL08	2008	107	107	95
301	199		Chiginagak Bay River	CMWESI93	1993	75	70	69
302	199			CMCHIGK09	2009	92	92	90
303	200		Kialagvik Creek	CMWESF93	1993	100	90	83
304	200			CMKIAL09	2009	231	95	94
305	201		Pass Creek	CMPASS09	2009	107	95	94
306	202		Dry Bay River	CMDRYBR09	2009	71	71	71
307	203		Bear Bay Creek	CMBEARBC09	2009	144	95	92
308	203			CMWESD93	1993	100	95	95
309	204		Alagogshak River	CMWESG93	1993	95	95	94
310	–		Big River	CMWESH93	1993	100	94	0
311	205			CMBIGRI09	2009	102	95	95
312	206		Uganik River	CMUGAN09	2009	190	95	81
313	206			CHUGA92	1992	100	95	94

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
314	207		Spiridon River	CMSPIRU09	2009	100	95	89
315	208		Zachar River	CMZACR09	2009	67	67	66
316	209		Karluk Lagoon	CMKARL09	2009	91	91	83
317	210		McNeil River	CMMcN96	1996	49	49	49
318	210			CMMCN94	1994	60	60	59
319	211		Brown's Peak Creek	CMBROWN12	2012	206	95	94
320	212		Iniskin River	CMINISK12	2012	215	95	94
321	213	Kodiak	Sitkinak Island	CMSITKI09	2009	128	95	93
322	214		Big Sukhoi	CMBSU92	1992	95	95	95
323	214			CMBSUK09	2009	210	95	94
324	215		Dog Salmon Creek	CMDOGSC10	2010	68	65	65
325	216		Deadman River	CMDEAD09	2009	150	95	95
326	217		NE Portage Creek	CMPORTNE09	2009	139	95	94
327	218		Kiavak Portage	CMKIAV17	2017	77	77	76
328	219		Kaiugnak Lagoon	CMKAIUG15	2015	142	95	93
329	220		Natalia Bay Creek	CMNATA17	2017	100	95	95
330	221		Barling Bay Creek - early	CMBARLR15	2015	104	104	92
331	222		Barling Bay Creek - middle	CMBARLR15	2015	104	104	102
332	222			CMBARL09	2009	202	95	92
333	222			CMBARL17	2017	101	95	94
334	223		Barling Bay Creek - late	CMBARLR15	2015	88	88	78
335	224		Midway Creek	CMMIDWAY15	2015	117	95	94
336	225		West Kiliuda Creek	CMWKIL09	2009	87	87	83
337	225			CMWKIL08	2008	4	4	4
338	226		Dog Bay Creek	CHDOG92	1992	100	95	95
339	227		Coxcomb Creek	CMCOXC09	2009	91	91	89
340	228		Gull Cape Creek	CMWESP93	1993	100	95	92
341	228			CMGULLC09	2009	202	95	94
342	229		Eagle Harbor	CMEAGLH09	2009	139	95	94
343	230		Hidden Basin Creek	CMHIDDB15	2015	204	95	95
344	231		Rough Creek	CMROUGH09	2009	95	95	77
345	232		Olds River	CMOLDS10	2010	103	95	93
346	233		American River	CHAME92	1992	100	95	95

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
347	234		Russian Creek	CMRUSSI07	2007	149	95	93
348	234			CMRUSSI09	2009	200	95	92
349	235		Kizhuyak River	CMKIZH09	2009	202	95	90
350	235			CHKIZ92	1992	88	88	84
351	236		Sturgeon River	CMSTU08	2008	6	6	6
352	236			CMSTU09	2009	424	125	103
353	237		Kitoi Bay Hatchery - Sturgeon River stock	CMWESA93	1993	100	100	99
354	237			CMKITB09	2009	402	202	95
355	238		Pauls Lake	CMPAUL15	2015	46	46	45
356	239	Cook Inlet	Susitna River	CMSUS96	1996	103	95	94
357	240		Spink Creek	CMSPINK07	2007	23	23	23
358	240			CMSPINK08	2008	22	22	21
359	241		Chunilna Creek	CMCHU93	1993	87	84	83
360	242		Talkeetna River	CMTALK95	1995	50	50	50
361	243		Willow Creek	CMWILL10	2010	101	95	89
362	244		Lake Creek	CMLAK96	1996	100	95	95
363	245		Little Susitna River	CMLSUS89	1989	39	39	39
364	245			CMLSUS10	2010	95	95	95
365	246		Williwaw Creek	CMWILLIW10	2010	164	67	67
366	247		Carmen Lake	CMCARMLK10	2010	68	67	67
367	248	Prince William Sound	Wally Noerenberg Hatchery	CMWHN02	2002	100	95	94
368	248			CMWHN06	2006	200	95	95
369	248			CMWHN08	2008	250	100	98
370	248			CMWHN09	2009	250	100	98
371	249		Siwash Creek	CMSIWA06	2006	60	60	54
372	249			CMSIWA08	2008	150	150	150
373	249			CMSIWA09	2009	45	45	45
374	249			CMSIWA10	2010	116	116	113
375	250		Wells River	CMWEL09	2009	300	255	254
376	250			CMWEL08	2008	300	255	253
377	250			CMWEL10	2010	90	90	90
378	251		Keta Creek	5P92EKEE	1992	100	95	95
379	252		Olsen Creek	CMPWS95A	1995	100	95	94

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
380	252			CMOLSE13	2013	53	53	39
381	253		Beartrap Creek	CMBEART08	2008	300	200	194
382	253			CMBEART09	2009	300	200	198
383	253			CMBEART10	2010	300	200	190
384	254		Constantine Creek	CMCONS08	2008	300	200	194
385	254			CMCONS09	2009	265	200	200
386	254			CMCONS10	2010	300	105	105
387	–	Southeast Alaska	Situk River	CMSITU14	2014	11	11	0
388	255		Akwe River	CMAKWE14	2014	48	48	47
389	255			CMAKWE15	2015	56	56	56
390	256		Alsek River	CMALSEK00F	2000	100	97	84
391	257		East Alsek River	CMEALS14	2014	93	93	85
392	258		Vivid Lake	CMVIVID93	1993	95	92	90
393	259		Tyndall Cove	CMTYNDALL92	1992	100	95	92
394	–		Bartlett River	CMBART14	2014	14	14	0
395	260		Klehini River	CMKLEH06	2006	96	95	92
396	261		Herman Creek	CMHERM06	2006	110	95	94
397	262		Chilkat River - 24 Mile	CM24MI06	2006	95	95	85
398	263		Chilkat River - Wells Bridge	CMWELLB06	2006	62	62	46
399	264		Chilkat River mainstem	CMCHILK06	2006	82	81	76
400	265		Taku River	CMTAKU04	2004	59	59	41
401	265			CMTAKU06F	2006	248	95	93
402	266		Sawmill Creek	CMSAWM06S	2006	103	95	95
403	267		Fish Creek	CMFCJUN06S	2006	399	200	187
404	268		Macaulay Salmon Hatchery	CMMACA13	2013	216	200	200
405	268			CMDIPAC06	2006	200	95	94
406	269		Gastineau Hatchery	CMGAST97	1997	42	42	40
407	270		Prospect Creek	CMPROS10	2010	108	95	89
408	270			CMPROSCR19	2019	1118	2	2
409	271		Lauras Creek	CMLAURA11	2011	125	95	95
410	–		Glen Creek	CMGLENCK10	2010	43	43	0
411	272		Sanborn Creek	CMSANB06S	2006	109	95	94
412	273		Dry Bay Creek	CMDRYB06S	2006	151	95	94
413	274		Admiralty Creek	CMADMI10	2010	73	72	64
414	275		Swan Cove Creek	CMSWANC10	2010	99	95	88
415	276		Mole River	CMMOLE11	2011	113	95	89

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Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
416	277		Snug Cove	CMSNUG10	2010	37	37	28
417	277			CMSNUG11	2011	13	13	13
418	278		Pybus Bay	CMAMBCR11	2011	32	32	26
419	278			CMPYBUS10	2010	44	44	33
420	279		Donkey Bay	CMDONKEY86	1986	50	48	48
421	279			CMDONKEY90	1990	52	50	50
422	–		Wilson River	CMWILS10	2010	15	15	0
423	–			CMWILS11	2011	25	25	0
424	–		Chaik Bay Creek	CMCHAI10	2010	41	41	0
425	280		Hood Bay	CMHOODB10	2010	37	37	34
426	280			CMHOODB92	1992	100	100	99
427	281		Humpback Creek	CMHUMPCR94	1994	95	95	94
428	282		Game Creek	CMGAME11	2011	45	45	44
429	283		Spasski Creek	CMSPASSKI91	1991	16	15	10
430	283			CMSPASSKI92	1992	94	94	88
431	284		Long Bay	CMLONG91	1991	66	66	65
432	284			CMLONG92	1992	100	95	94
433	285		Ushk Bay	CMUSHKB91	1991	45	45	37
434	285			CMUSHKB92	1992	100	100	91
435	286		Saook Bay	CMSAOB06	2006	207	95	94
436	287		Ralph's Creek	CMRALPH06	2006	200	95	95
437	288		Hidden Falls Hatchery	CMHFHAT06	2006	200	95	95
438	289		Lover's Cove	CMLOVE87	1987	50	50	50
439	290		Port Armstrong Hatchery	CMPTARM13	2013	225	223	223
440	291		West Crawfish	CMWCRA06	2006	192	95	92
441	292		Redoubt Lake	CMREDOUBT15	2015	61	60	60
442	293		Medvejie Hatchery	CMMEDV97	1997	55	55	52
443	293			CMMEDV09	2009	102	95	95
444	294		Nakwasina River	CMNAKWA06	2006	103	95	93
445	295		Ford Arm Lake	CMFORD06F	2006	184	95	95
446	296		Sister Lake	CMSIST06	2006	122	95	86
447	297		Black Bay	CMBLACKB91	1991	38	38	38
448	297			CMBLACKB92	1992	90	90	90
449	298		Saltery Bay	CMSALTE92	1992	48	48	48
450	299		Gunnuk Creek Hatchery	CMGUNN13	2013	95	95	95
451	–		Port Camden	CMPTCAM95	1995	35	35	0
452	300		Saginaw Creek	CMSAGI10	2010	67	67	41
453	300			CMSAGI11	2011	17	17	12

-continued-

Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
454	301		Sample Creek	CMSAMPL10	2010	211	95	74
455	302		Gail Creek	CMGAIL95	1995	100	95	94
456	303		No Name Bay	CMNONAME95	1995	84	84	84
457	304		North Arm Creek	CMNARM06S	2006	95	95	94
458	304			CMNARM87	1987	40	39	38
459	–		Big Creek	CMBIGCRE17	2017	32	32	0
460	305		Karta River	CMKARTA06	2006	56	56	56
461	306		Harris River	CMHARRIS13	2013	112	104	65
462	–		Old Tom Creek	CMOLDTOM86	1986	51	47	0
463	307			CMOLDTOM88	1988	50	50	47
464	308		Lagoon Creek	CMLAGO07F	2007	104	95	84
465	308			CMLAGO10F	2010	112	95	88
466	309		Disappearance Creek	CMDISA86	1986	51	50	48
467	309			CMDISA98	1998	100	95	95
468	309			CMDISA07F	2007	150	95	86
469	309			CMDISA10F	2010	127	95	81
470	310		Neets Bay Hatchery	CMNEET06F	2006	110	95	95
471	311		Coco Harbor	CMCOCO98F	1998	100	100	99
472	312		Cruz Cove	CMCRUZ98F	1998	50	50	50
473	313		Harding River	CMHARDR86	1986	14	13	13
474	313			CMHARDR10	2010	45	45	45
475	314		Klahini River	CMKLAH86	1986	51	50	50
476	–			CMGRANT86	1986	5	5	0
477	315		Heerman Creek	CMHERMC86	1986	49	48	47
478	316		Traitors Creek	CMTRACR06	2006	205	95	91
479	317		Carroll Creek	CMCARR09	2009	127	95	85
480	317			CMCARR13	2013	41	41	22
481	317			CMCARR13S	2013	100	95	94
482	318		Neets Bay Hatchery	CMNEET97E	1997	50	50	50
483	318			CMNEET06S	2006	200	95	95
484	319		Keta River	CMKETA86	1986	45	45	45
485	320		Nakat Inlet	CMNAKA06S	2006	102	95	95
486	321		Hidden Inlet	CMHIDIN09	2009	90	90	82
487	322		Tombstone Bay	CMTOMB86	1986	50	47	47
488	323		Fish Creek	CMFISH88E	1988	50	50	49
489	323			CMFCHYD06	2006	287	95	82
490	324		Fish Creek	CMFISH88L	1988	50	50	49
491	325	BC/WA	Mace Creek	CMMACE89	1989	50	50	48

-continued-

Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
492	326		Pallant Creek	CMPALL06	2006	212	212	209
493	327		Salmon River	CMSALM89	1989	50	50	47
494	328		Sedgwick Creek	CMSEDG89	1989	50	50	50
495	329		Bag Harbor Creek	CMBAGH89	1989	50	50	49
496	330		Surprise Creek	CMSUPR89	1989	50	50	50
497	331		Stagoo Creek	CMSTAG88	1988	50	50	49
498	332		Kitwanga River	CMKITW06	2006	83	103	74
499	333		Ecstall River	CMECST88	1988	50	50	50
500	334		Kitimat River	CMKITIM06	2006	203	108	104
501	335		West Arm Creek	CMWARC06	2006	200	188	186
502	336		Kitasoo Creek	CMKITA06	2006	181	181	169
503	–		Mussel River	CMMUSS89	1989	31	31	0
504	337		Snootli Creek	CMSNOOT06	2006	199	199	190
505	338		Nitinat River	CMNITI06	2006	113	113	113
506	339		Nahmint River	CMNAHM06	2006	102	102	96
507	340		Sarita River	CMSARI06	2006	75	75	63
508	341		Sugsaw River	CMSUGS06	2006	67	67	60
509	342		Conuma River	CMCONU06	2006	100	100	96
510	343		Nimpkish River	CMNIMP06	2006	187	187	187
511	344		Puntledge River	CMPUNTL06	2006	101	101	99
512	345		Big Qualicum River	CMBIGQU06	2006	77	77	72
513	346		Little Qualicum River	CMLQUA06	2006	103	103	98
514	347		Nanaimo River	CMNANA06	2006	245	245	77
515	348		Goldstream River	CMGOLD06	2006	117	95	95
516	349		Sooke River	CMSOOK06	2006	51	51	50
517	350		Weaver Creek	CMWEAV06	2006	99	99	97
518	351		Norrish Creek	CMNORR06	2006	100	100	91
519	352		Inch Creek	CMINCH06	2006	184	184	181
520	353		Alouette River	CMALOU06	2006	96	96	95
521	354		Elwha River	CMELWH04	2004	95	95	93
522	355		Jimmycomelately Creek	CMJIM00S	2000	46	46	44
523	355			CMJIM01S	2001	49	49	48
524	356		Salmon Creek	CMSALM03S	2003	49	49	44
525	356			CMSALM04S	2004	46	46	39

-continued-

Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
526	357		Upper Sauk River	CMUSAU94F	1994	95	95	86
527	358		Lower Skagit River	CMLSKA98F	1998	91	91	91
528	359		Skykomish River	CMSKYK94F	1994	95	95	87
529	360		Snoqualmie River	CMSNOQ96	1996	95	95	84
530	361		Mill Creek	CMMILCR94	1994	95	95	82
531	–		Fennel Creek	CMFENN02	2002	15	15	0
532	362		Diru Creek Hatchery	CMDIRU02	2002	48	48	45
533	363		North Creek	CMNCR94F	1994	47	47	47
534	363			CMNCR98F	1998	48	48	48
535	–		Canyonfalls Creek	CMCANY02	2002	30	30	0
536	364		Kalama Creek	CMKAL03W	2003	66	62	56
537	365		Nisqually River Hatchery	CMNISQ04	2004	95	95	94
538	366		Little Creek	CMLCR94F	1994	95	95	95
539	367		Johns Creek	CMJOH94S	1994	94	93	92
540	368		Sherwood Creek	CMSHER94F	1994	95	95	90
541	369		Sherwood Creek	CMSHER94S	1994	95	94	89
542	370		Quilcene River	CMQUIL97	1997	16	16	16
543	370			CMQUIL01S	2001	47	47	47
544	371		Dosewillips River	CMDOS00S	2000	49	48	42
545	371			CMDOS03S	2003	47	47	46
546	372		Hamma Hamma River	CMHAMM05	2005	95	95	94
547	372			CMHAMM01	2001	16	16	16
548	372			CMHAM01S	2001	95	47	44
549	372			CMHAM03S	2003	49	48	43
550	373		Lilliwaup Creek	CMLIL05F	2005	47	47	44
551	373			CMLIL06F	2006	48	48	48
552	374		Lilliwaup Creek	CMLIL01S	2001	48	48	45
553	–			CMLIL02S	2002	47	47	0
554	375		Dewatto River	CMDEWA98	1998	16	16	15
555	375			CMDEW98F	1998	63	62	59
556	–		Hoodsport Hatchery	CMHOOD98	1998	16	15	0
557	376		Big Mission Creek	CMBIGM02	2002	11	11	9
558	376			CMBMI03F	2003	47	47	47

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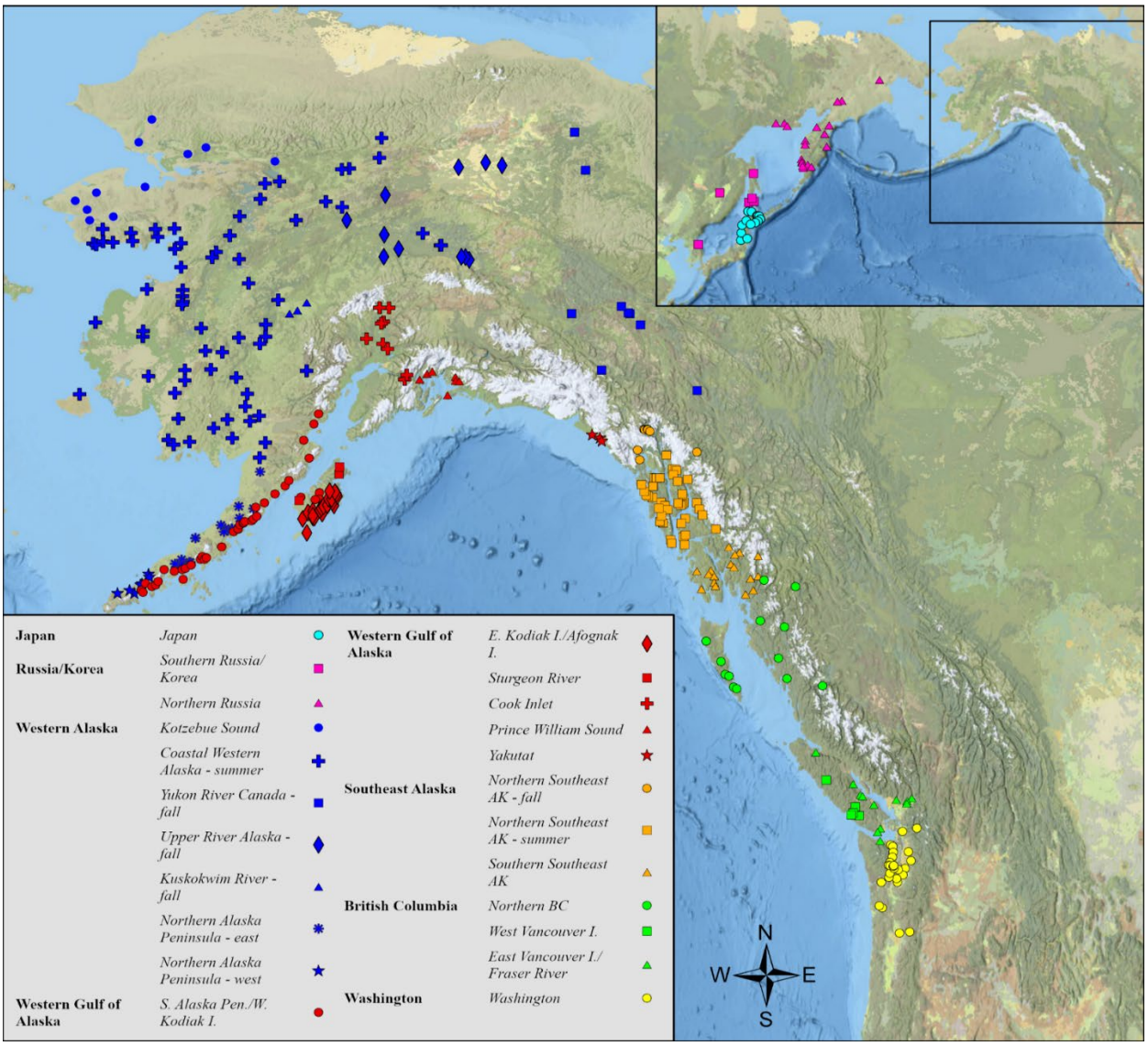
Collection No.	Population No.	Reporting group	Location	Collection code	Sample year	N_c	N_g	N_b
559	377		Union River	CMUNION00	2000	16	16	15
560	377			CMUNI03S	2003	53	53	52
561	377			CMUNI04S	2004	42	42	42
562	378		Satsop River	CMSATS98	1998	95	95	95
563	379		Hamilton Creek	CMHAMI96F	1996	38	38	31
564	379			CMHAMI97F	1997	57	57	47
565	380		I-205 Seeps	CMI205A00F	2000	25	25	21
566	380			CMI205B00F	2000	64	64	51
567	381		Skamokawa Creek	CMSKA01F	2001	5	5	3
568	381			CMSKA02F	2002	74	72	70
569	381			CMSKA00F	2000	3	3	3
570	382		Grays River	CMGRA00F	2000	48	48	46
571	382			CMGRA01F	2001	47	47	47
			Total			58,303	46,072	42,165

Appendix A2.–Collection locations for populations of chum salmon represented in the baseline.



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

Appendix B1.–Southeastern and South Central Districts, South Alaska Peninsula area, 2022. 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	–	–	–	–	June 1	350	80	12
6/7	–	–	–	–	June 1	676	40	24
6/8	–	–	–	–	June 1	179	40	6
6/9	–	–	–	–	June 1	–	–	–
6/10	–	–	–	–	June 1	477	40	17
6/11	June 1	5,383	240	142	June 1	1,029	40	36
6/12	June 1	8,338	160	160	June 1	120	22	4
6/13	June 1	2,698	160	78	June 1	223	34	8
6/14	–	–	–	–	June 1	–	–	–
6/15	June 2	26,026	200	200	June 1	199	40	7
6/16	June 2	15,220	240	180	June 1	520	80	19
6/17	–	–	–	–	June 1	677	40	31
6/18	–	–	–	–	June 1	365	–	–
6/19	–	–	–	–	June 1	–	–	–
6/20	June 3	21,323	240	236	June 1	571	40	27
6/21	June 3	12,958	240	144	June 1	242	40	9
6/22	–	–	–	–	June 1	460	40	16
6/23	–	–	–	–	June 1	236	40	8
6/24	–	–	–	–	June 1	–	–	–
6/25	June 4	60,377	240	240	June 1	542	80	19
6/26	June 4	14,959	240	140	June 1	465	120	50
6/27	–	–	–	–	June 1	1,684	–	–
6/28	–	–	–	–	June 1	1,560	120	87
6/29	–	–	–	–	–	–	–	–
6/30	–	–	–	–	–	–	–	–
7/1	–	–	–	–	–	–	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/2	–	–	–	–	–	–	–	–
7/3	–	–	–	–	–	–	–	–
7/4	–	–	–	–	–	–	–	–
7/5	–	–	–	–	–	–	–	–
7/6	July 1	23,013	200	192	July 1	734	80	68
7/7	July 1	3,388	200	28	July 1	677	120	48
7/8	July 1	–	–	–	July 1	–	–	–
7/9	July 1	–	–	–	July 1	–	–	–
7/10	July 1	5,902	200	49	July 1	598	80	56
7/11	July 1	401	200	4	July 1	374	80	35
7/12	July 1	–	–	–	July 1	48	24	3
7/13	July 1	–	–	–	July 1	*	–	–
7/14	July 1	*	320	107	July 1	1,177	160	111
7/15	July 2	15,433	80	42	July 1	438	160	41
7/16	July 2	–	–	–	July 1	13	24	3
7/17	July 2	–	–	–	July 1	22	–	–
7/18	July 2	14,380	320	292	July 2	1,640	120	116
7/19	July 2	6,869	50	46	July 2	816	80	78
7/20	July 2	–	–	–	July 2	*	–	–
7/21	July 2	–	–	–	July 2	19	–	–
7/22	July 3	18,893	280	127	July 2	1,608	166	127
7/23	July 3	–	80	–	July 2	681	80	59
7/24	July 3	–	–	–	July 2	*	–	–
7/25	July 3	–	–	–	July 2	22	–	–
7/26	July 3	18,759	400	131	July 3	1,707	120	114
7/27	July 3	724	–	–	July 3	523	120	118
7/28	July 3	–	–	–	July 3	*	–	–
7/29	July 3	–	–	–	July 3	*	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/30	July 3	15,835	160	122	July 3	1,781	120	116
7/31	July 3	2,505	–	–	July 3	1,043	–	–
8/1	August 1	–	–	–	August	–	–	–
8/2	August 1	–	–	–	August	*	–	–
8/3	August 1	–	–	–	August	*	–	–
8/4	August 1	–	–	–	August	*	40	40
8/5	August 1	*	–	–	August	*	–	–
8/6	August 1	–	–	–	August	*	40	40
8/7	August 1	–	–	–	August	*	–	–
8/8	August 1	–	–	–	August	–	–	–
8/9	August 1	–	–	–	August	*	40	40
8/10	August 1	–	–	–	August	*	37	36
8/11	August 1	–	–	–	August	*	–	–
8/12	August 1	–	–	–	August	*	–	–
8/13	August 1	–	–	–	August	*	–	–
8/14	August 1	–	–	–	August	*	40	40
8/15	August 1	10,405	200	199	August	811	–	–
8/16	August 1	17,547	–	–	August	940	40	40
8/17	August 1	6,758	200	191	August	1,047	40	40
8/18	August 2	923	80	78	August	552	–	–
8/19	August 2	2,567	80	75	August	447	59	58
8/20	August 2	2,301	21	20	August	163	40	40
8/21	August 2	*	80	76	August	0	–	–
8/22	August 2	3,571	40	40	August	*	–	–
8/23	August 2	*	–	–	August	*	–	–
8/24	August 2	*	–	–	August	*	42	42
8/25	August 2	–	–	–	August	*	–	–

-continued-

	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
8/26	August 2	–	–	–	August	*	–	–
8/27	August 2	–	–	–	August	*	–	–
8/28	August 2	–	–	–	August	–	–	–
8/29	August 2	–	–	–	August	–	–	–
8/30	August 2	–	–	–	August	*	–	–
8/31	August 2	–	–	–	August	–	–	–
9/1	August 3	–	–	–	August	*	–	–

Note: When samples were collected more than 1 day after 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. Asterisk (*) denotes confidential data. En dashes (–) indicate that either no samples were collected or selected for analysis, or the fishery was not open on that date.

Appendix B2.–Unimak and Southwestern Districts, South Alaska Peninsula area, 2022. 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
6/8	–	–	–	–	–	–	–	–
6/9	–	–	–	–	–	–	–	–
6/10	–	–	–	–	June 1	3,011	240	106
6/11	June 1	8,575	262	142	June 1	4,001	240	141
6/12	June 1	10,824	160	160	June 1	2,819	160	99
6/13	June 1	4,855	160	78	June 1	966	80	34
6/14	–	–	–	–	–	–	–	–
6/15	June 2	36,850	160	114	June 2	5,201	160	126
6/16	June 2	18,609	160	57	June 2	2,984	240	72
6/17	June 2	28,151	160	87	June 2	4,326	160	105
6/18	June 2	39,529	160	122	June 2	3,155	80	77
6/19	–	–	–	–	–	–	–	–
6/20	June 3	23,909	200	75	June 3	3,977	240	93
6/21	June 3	15,204	159	48	June 3	4,975	160	116
6/22	June 3	41,570	160	131	June 3	4,448	160	104
6/23	June 3	39,760	160	126	June 3	2,902	80	67
6/24	–	–	–	–	–	–	–	–
6/25	June 4	14,892	280	106	June 4	597	80	80
6/26	June 4	25,685	240	170	June 4	219	80	80
6/27	June 4	9,410	198	104	June 4	392	63	63
6/28	June 4	4,052	–	–	June 4	392	–	–
6/29	–	–	–	–	–	–	–	–
6/30	–	–	–	–	–	–	–	–
7/1	–	–	–	–	–	–	–	–
7/2	–	–	–	–	–	–	–	–
7/3	–	–	–	–	–	–	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/4	–	–	–	–	–	–	–	–
7/5	–	–	–	–	–	–	–	–
7/6	July 1	26,663	120	119	July 1	202	–	–
7/7	July 1	3,345	148	147	July 1	39	–	–
7/8	–	–	–	–	July 1	–	–	–
7/9	–	–	–	–	July 1	–	–	–
7/10	July 2	*	–	–	July 1	30	10	10
7/11	July 2	644	200	181	July 1	90	–	–
7/12	July 2	–	–	–	July 1	–	–	–
7/13	July 2	–	–	–	July 1	–	–	–
7/14	July 2	*	120	120	July 1	186	–	–
7/15	July 2	4,641	–	–	July 1	302	–	–
7/16	July 2	–	–	–	July 1	–	–	–
7/17	July 2	–	–	–	July 1	–	–	–
7/18	July 2	*	–	–	July 1	141	–	–
7/19	July 2	*	–	–	July 1	348	80	79
7/20	July 2	–	–	–	July 1	–	–	–
7/21	July 2	–	–	–	July 1	–	–	–
7/22	July 2	5,116	–	–	July 1	640	154	152
7/23	July 2	–	–	–	July 1	*	–	–
7/24	July 2	–	–	–	–	–	–	–
7/25	July 2	–	–	–	–	–	–	–
7/26	July 2	*	–	–	July 2	1,649	293	224
7/27	July 2	698	–	–	July 2	213	–	–
7/28	July 2	–	–	–	July 2	–	–	–
7/29	July 2	–	–	–	July 2	*	–	–
7/30	July 2	527	80	79	July 2	1,599	160	156
7/31	July 2	*	–	–	July 2	197	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
8/1	–	–	–	–	–	–	–	–
8/2	–	–	–	–	–	–	–	–
8/3	–	–	–	–	–	–	–	–
8/4	–	–	–	–	–	–	–	–
8/5	–	–	–	–	–	–	–	–
8/6	–	–	–	–	–	–	–	–
8/7	–	–	–	–	–	–	–	–
8/8	–	–	–	–	–	–	–	–
8/9	–	–	–	–	–	–	–	–
8/10	–	–	–	–	–	–	–	–
8/11	–	–	–	–	–	–	–	–
8/12	–	–	–	–	–	–	–	–
8/13	–	–	–	–	–	–	–	–
8/14	–	–	–	–	–	–	–	–
8/15	August 1	4,186	129	129	–	113	–	–
8/16	August 1	14,621	119	80	–	527	16	16
8/17	August 2	4,849	130	129	–	209	–	–
8/18	August 2	2,021	30	30	–	*	–	–
8/19	August 2	1,660	–	–	–	–	–	–
8/20	August 2	779	80	77	–	188	–	–
8/21	August 2	–	40	40	–	–	–	–
8/22	August 2	276	–	–	–	*	–	–
8/23	August 2	393	40	40	–	463	–	–
8/24	August 2	*	–	–	–	–	–	–
8/25	August 2	*	34	34	–	–	–	–
8/26	August 2	*	–	–	–	–	–	–
8/27	August 2	*	5	4	–	–	–	–
8/28	August 2	–	–	–	–	–	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
8/29	August 2	–	–	–	–	–	–	–
8/30	August 2	–	–	–	–	–	–	–
8/31	August 2	–	–	–	–	–	–	–

Note: When samples were collected more than 1 day after 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. Asterisk (*) denotes confidential data. En dashes (–) indicate that either no samples were collected or selected for analysis, or the fishery was not open on that date.

Appendix B3.–Southeastern and South Central Districts, South Alaska Peninsula area, 2023. 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	–	–	–	–	June	197	–	–
6/7	–	–	–	–	June	290	–	–
6/8	–	–	–	–	June	562	–	–
6/9	–	–	–	–	–	–	–	–
6/10	–	–	–	–	June	338	–	–
6/11	June 1	*	–	–	June	173	40	40
6/12	June 1	6,049	560	380	June	235	40	28
6/13	–	–	–	–	June	829	80	31
6/14	–	–	–	–	–	–	–	–
6/15	–	–	–	–	June	272	40	10
6/16	June 2	14,234	240	240	June	734	40	28
6/17	June 2	3,672	240	140	June	765	40	29
6/18	–	–	–	–	June	189	40	7
6/19	–	–	–	–	–	–	–	–
6/20	June 3	20,690	480	380	June	206	40	8
6/21	June 3	11,513	–	–	June	346	40	13
6/22	–	–	–	–	June	877	40	37
6/23	–	–	–	–	June	1,269	40	40
6/24	–	–	–	–	–	–	–	–
6/25	June 4	6,169	240	64	June	694	40	30
6/26	June 4	3,938	160	41	June	872	40	33
6/27	June 4	14,487	200	151	June	625	40	24
6/28	June 4	11,972	200	124	June	593	40	22
6/29	–	–	–	–	–	–	–	–
6/30	–	–	–	–	–	–	–	–
7/1	–	–	–	–	–	–	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/2	–	–	–	–	–	–	–	–
7/3	–	–	–	–	–	–	–	–
7/4	–	–	–	–	–	–	–	–
7/5	–	–	–	–	–	–	–	–
7/6	July 1	1,053	80	27	July 1	633	160	117
7/7	July 1	*	–	–	July 1	797	–	–
7/8	–	–	–	–	–	–	–	–
7/9	–	–	–	–	–	–	–	–
7/10	July 1	1,986	–	–	July 1	2,284	160	160
7/11	July 1	*	–	–	July 1	1,286	–	–
7/12	–	–	–	–	–	–	–	–
7/13	–	–	–	–	July 1	207	–	–
7/14	July 1	30,461	205	205	July 1	840	20	20
7/15	July 1	924	160	6	July 1	811	153	83
7/16	–	–	–	–	–	–	–	–
7/17	–	–	–	–	–	–	–	–
7/18	July 1	17,541	200	120	July 2	754	280	77
7/19	July 1	3,178	160	22	July 2	957	–	–
7/20	–	–	–	–	–	–	–	–
7/21	–	–	–	–	–	–	–	–
7/22	July 2	38,191	500	121	July 2	768	240	81
7/23	July 2	4,445	–	–	July 2	1,053	–	–
7/24	–	–	–	–	–	–	–	–
7/25	–	–	–	–	–	–	–	–
7/26	July 2	79,263	360	259	July 2	2,487	239	222
7/27	July 2	11,802	–	–	July 2	2,458	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/28	–	–	–	–	–	–	–	–
7/29	–	–	–	–	–	–	–	–
7/30	July 3	33,786	240	240	July 3	2,078	240	240
7/31	July 3	684	–	–	July 3	858	–	–
8/1	–	–	–	–	–	–	–	–
8/2	–	–	–	–	–	–	–	–
8/3	–	–	–	–	August	*	–	–
8/4	–	–	–	–	August	271	160	16
8/5	–	–	–	–	August	*	–	–
8/6	–	–	–	–	August	87	–	–
8/7	August 1	48,333	100	100	August	1,699	160	84
8/8	August 1	16,589	110	96	August	1,560	80	80
8/9	August 1	25,277	120	76	August	1,767	80	80
8/10	–	–	–	–	–	–	–	–
8/11	–	–	–	–	–	–	–	–
8/12	August 1	18,635	120	56	August	290	40	40
8/13	August 1	17,069	80	52	August	768	80	80
8/14	August 2	10,034	–	–	August	745	–	–
8/15	–	–	–	–	–	–	–	–
8/16	–	–	–	–	–	–	–	–
8/17	August 2	35,722	–	–	August	828	–	–
8/18	August 2	11,500	–	–	August	991	–	–
8/19	August 2	17,226	–	–	August	677	–	–
8/20	August 2	11,408	–	–	August	691	–	–
8/21	August 2	16,601	200	200	August	552	–	–
8/22	August 2	8,353	–	–	August	257	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
8/23	August 2	2,405	120	120	August	*	–	–
8/24	August 2	2,884	–	–	–	–	–	–
8/25	August 2	5,783	–	–	–	–	–	–
8/26	August 2	6,558	–	–	–	–	–	–
8/27	August 2	839	–	–	–	–	–	–
8/28	August 2	*	–	–	–	–	–	–
8/29	August 2	498	–	–	–	–	–	–
8/30	August 2	*	–	–	–	–	–	–
8/31	–	–	–	–	–	–	–	–

Note: When samples were collected more than 1 day after 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. Asterisk (*) denotes confidential data. En dashes (–) indicate that either no samples were collected or selected for analysis, or the fishery was not open on that date.

Appendix B4.–Unimak and Southwestern Districts, South Alaska Peninsula area, 2023. 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
6/7	–	–	–	–	June 1	*	–	–
6/8	–	–	–	–	–	–	–	–
6/9	–	–	–	–	–	–	–	–
6/10	June 1	293	–	–	June 1	212	–	–
6/11	June 1	5,287	480	334	June 1	1,111	246	106
6/12	June 1	766	80	46	June 1	888	102	102
6/13	June 1	*	–	–	June 1	2,905	172	172
6/14	–	–	–	–	–	–	–	–
6/15	–	–	–	–	June 2	7,504	160	145
6/16	June 2	18,461	200	180	June 2	4,470	280	111
6/17	June 2	11,522	200	112	June 2	6,723	80	80
6/18	June 2	9,087	200	88	June 2	988	57	44
6/19	–	–	–	–	–	–	–	–
6/20	June 3	9,899	360	212	June 3	1,003	160	160
6/21	June 3	5,567	–	–	June 3	1,110	80	80
6/22	June 3	5,452	200	139	June 3	691	80	80
6/23	June 3	1,717	160	29	June 3	380	–	–
6/24	–	–	–	–	–	–	–	–
6/25	June 4	2,694	354	266	June 4	1,018	80	80
6/26	June 4	*	–	–	June 4	965	179	179
6/27	June 4	971	160	114	June 4	126	–	–
6/28	–	–	–	–	June 4	379	120	120
6/29	–	–	–	–	–	–	–	–
6/30	–	–	–	–	–	–	–	–
7/1	–	–	–	–	–	–	–	–
7/2	–	–	–	–	–	–	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/3	–	–	–	–	–	–	–	–
7/4	–	–	–	–	–	–	–	–
7/5	–	–	–	–	–	–	–	–
7/6	July 1	72,715	500	380	July 1	187	–	–
7/7	July 1	2,222	–	–	July 1	276	–	–
7/8	–	–	–	–	–	–	–	–
7/9	–	–	–	–	–	–	–	–
7/10	July 2	29,465	517	292	July 1	115	40	40
7/11	July 2	1,193	–	–	July 1	24	–	–
7/12	–	–	–	–	–	–	–	–
7/13	–	–	–	–	–	–	–	–
7/14	July 2	5,864	400	88	July 1	844	75	75
7/15	July 2	3,285	–	–	July 1	308	–	–
7/16	–	–	–	–	–	–	–	–
7/17	–	–	–	–	–	–	–	–
7/18	July 3	1,706	400	187	July 1	122	–	–
7/19	July 3	3,941	–	–	July 1	1,512	–	–
7/20	–	–	–	–	–	–	–	–
7/21	–	–	–	–	–	–	–	–
7/22	July 3	1,636	–	–	July 2	1,821	280	150
7/23	July 3	*	–	–	July 2	372	–	–
7/24	–	–	–	–	–	–	–	–
7/25	–	–	–	–	–	–	–	–
7/26	July 3	1,031	92	60	July 2	2,163	230	230
7/27	July 3	791	–	–	July 2	1,939	–	–
7/28	–	–	–	–	–	–	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/29	–	–	–	–	–	–	–	–
7/30	July 3	2,151	133	133	July 3	2,629	200	200
7/31	July 3	3,303	–	–	July 3	1,515	–	–
8/1	–	–	–	–	–	–	–	–
8/2	–	–	–	–	–	–	–	–
8/3	–	–	–	–	–	–	–	–
8/4	–	–	–	–	–	–	–	–
8/5	–	–	–	–	–	–	–	–
8/6	–	–	–	–	–	–	–	–
8/7	August 1	8,580	105	26	August 1	1,361	155	155
8/8	August 1	2,132	68	7	August 1	684	–	–
8/9	August 1	7,670	80	23	August 1	699	85	85
8/10	–	–	–	–	–	–	–	–
8/11	–	–	–	–	–	–	–	–
8/12	August 1	33,532	120	102	August 1	291	–	–
8/13	August 1	38,723	120	120	August 1	153	110	110
8/14	August 1	14,609	–	–	August 1	428	–	–
8/15	–	–	–	–	–	–	–	–
8/16	–	–	–	–	–	–	–	–
8/17	August 1	19,700	215	102	August 1	702	–	–
8/18	August 2	30,408	–	–	August 1	129	–	–
8/19	August 2	3,778	80	80	August 1	*	–	–
8/20	August 2	9,282	160	153	–	–	–	–
8/21	August 2	6,982	80	80	August 1	*	–	–
8/22	August 2	12,489	–	–	August 1	1,027	–	–
8/23	August 2	4,867	–	–	–	–	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
8/24	August 2	5,015	67	67	–	–	–	–
8/25	August 2	9,757	–	–	–	–	–	–
8/26	August 2	25,028	–	–	August 1	349	–	–
8/27	August 2	18,415	–	–	–	–	–	–
8/28	August 2	2,982	–	–	–	–	–	–
8/29	August 2	1,175	–	–	–	–	–	–
8/30	August 2	1,583	–	–	–	–	–	–
8/31	–	–	–	–	–	–	–	–

Note: When samples were collected more than 1 day after 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. Asterisk (*) denotes confidential data. En dashes (–) indicate that either no samples were collected or selected for analysis, or the fishery was not open on that date.

Appendix B5.–Southeastern and South Central Districts, South Alaska Peninsula area, 2024. 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	–	–	–	–	June	294	–	–
6/7	–	–	–	–	June	407	–	–
6/8	–	–	–	–	June	*	–	–
6/9	–	–	–	–	–	–	–	–
6/10	–	–	–	–	June	354	–	–
6/11	June 1	6,316	200	200	June	591	40	34
6/12	June 1	3,539	240	180	June	453	40	26
6/13	June 1	–	–	–	June	644	40	37
6/14	–	–	–	–	–	–	–	–
6/15	June 2	–	–	–	June	479	40	40
6/16	June 2	27,088	280	280	June	533	–	–
6/17	June 2	1,190	160	100	June	129	80	29
6/18	June 2	–	–	–	June	790	40	40
6/19	–	–	–	–	–	–	–	–
6/20	June 3	34,737	280	280	June	184	40	20
6/21	June 3	2,915	280	100	June	289	–	–
6/22	June 3	–	–	–	June	390	40	30
6/23	June 3	–	–	–	June	558	40	32
6/24	–	–	–	–	–	–	–	–
6/25	June 4	35,814	240	231	June	406	40	23
6/26	June 4	23,202	280	149	June	342	40	20
6/27	June 4	–	105	–	June	704	40	40
6/28	June 4	–	80	–	June	163	40	9
6/29	–	–	–	–	–	–	–	–
6/30	–	–	–	–	–	–	–	–
7/1	–	–	–	–	–	–	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/2	–	–	–	–	–	–	–	–
7/3	–	–	–	–	–	–	–	–
7/4	–	–	–	–	–	–	–	–
7/5	–	–	–	–	–	–	–	–
7/6	July 1	7,972	240	98	July 1	142	200	59
7/7	July 1	2,182	80	27	July 1	122	–	–
7/8	–	–	–	–	–	–	–	–
7/9	–	–	–	–	–	–	–	–
7/10	July 1	4,314	280	54	July 1	184	200	123
7/11	July 1	*	–	–	July 1	369	–	–
7/12	–	–	–	–	–	–	–	–
7/13	–	–	–	–	–	–	–	–
7/14	July 1	16,398	320	201	July 1	454	160	118
7/15	July 1	*	–	–	July 1	428	80	80
7/16	–	–	–	–	–	–	–	–
7/17	–	–	–	–	–	–	–	–
7/18	July 2	6,168	320	181	July 2	662	–	–
7/19	July 2	*	–	–	July 2	76	240	217
7/20	–	–	–	–	–	–	–	–
7/21	–	–	–	–	–	–	–	–
7/22	July 2	4,469	320	199	July 2	321	240	163
7/23	July 2	2,645	–	–	July 2	236	–	–
7/24	–	–	–	–	–	–	–	–
7/25	–	–	–	–	–	–	–	–
7/26	July 3	20,991	320	306	July 3	1,282	240	240
7/27	July 3	9,701	–	–	July 3	205	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/28	–	–	–	–	–	–	–	–
7/29	–	–	–	–	–	–	–	–
7/30	July 3	5,712	200	74	July 3	153	160	140
7/31	July 3	1,665	–	–	July 3	205	–	–
8/1	–	–	–	–	–	–	–	–
8/2	–	–	–	–	–	–	–	–
8/3	–	–	–	–	–	–	–	–
8/4	–	–	–	–	–	–	–	–
8/5	–	–	–	–	–	–	–	–
8/6	–	–	–	–	–	–	–	–
8/7	–	–	–	–	–	–	–	–
8/8	–	–	–	–	–	–	–	–
8/9	–	–	–	–	–	–	–	–
8/10	–	–	–	–	–	–	–	–
8/11	–	–	–	–	–	–	–	–
8/12	–	–	–	–	–	–	–	–
8/13	–	–	–	–	–	–	–	–
8/14	–	–	–	–	–	–	–	–
8/15	July 3	1,833	–	–	July 3	95	–	–
8/16	July 3	1,055	–	–	July 3	45	–	–
8/17	July 3	1,395	–	–	July 3	*	–	–
8/18	July 3	3,992	–	–	July 3	*	–	–
8/19	July 3	1,704	–	–	July 3	76	–	–
8/20	–	–	–	–	–	–	–	–
8/21	–	–	–	–	–	–	–	–
8/22	July 3	1,355	–	–	July 3	90	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
8/23	–	–	–	–	July 3	*	–	–
8/24	July 3	*	–	–	July 3	*	–	–
8/25	–	–	–	–	July 3	*	–	–
8/26	–	–	–	–	July 3	*	–	–
8/27	–	–	–	–	July 3	*	–	–
8/28	–	–	–	–	July 3	*	–	–
8/29	–	–	–	–	–	–	–	–
8/30	–	–	–	–	–	–	–	–
8/31	–	–	–	–	July 3	*	–	–
9/1	–	–	–	–	–	–	–	–
9/2	–	–	–	–	–	–	–	–
9/3	–	–	–	–	–	–	–	–
9/4	–	–	–	–	–	–	–	–
9/5	–	–	–	–	July 3	*	–	–

Note: When samples were collected more than 1 day after 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. Asterisk (*) denotes confidential data. En dashes (–) indicate that either no samples were collected or selected for analysis, or the fishery was not open on that date.

Appendix B6.–Unimak and Southwestern Districts, South Alaska Peninsula area, 2024. 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
6/8	–	–	–	–	–	–	–	–
6/9	–	–	–	–	–	–	–	–
6/10	–	–	–	–	–	–	–	–
6/11	June 1	10,082	400	380	June 1	10,263	120	93
6/12	June 1	3,138	–	–	June 1	17,868	219	167
6/13	June 1	–	–	–	June 1	13,964	120	120
6/14	–	–	–	–	–	–	–	–
6/15	–	–	–	–	June 2	20,193	199	199
6/16	June 2	6,873	240	207	June 2	3,446	120	51
6/17	June 2	8,781	–	–	June 2	4,607	120	50
6/18	June 2	5,022	320	173	June 2	7,649	80	80
6/19	–	–	–	–	–	–	–	–
6/20	June 3	22,302	280	107	June 3	5,038	160	75
6/21	June 3	6,625	–	–	June 3	5,908	120	87
6/22	June 3	37,049	156	156	June 3	8,154	120	120
6/23	June 3	29,211	160	117	June 3	6,585	120	98
6/24	–	–	–	–	–	–	–	–
6/25	June 4	26,378	160	141	June 4	1,490	120	120
6/26	June 4	*	–	–	June 4	312	80	65
6/27	June 4	21,139	240	239	June 4	865	120	89
6/28	June 4	23,902	–	–	June 4	1,026	120	106
6/29	–	–	–	–	–	–	–	–
6/30	–	–	–	–	–	–	–	–
7/1	–	–	–	–	–	–	–	–
7/2	–	–	–	–	–	–	–	–
7/3	–	–	–	–	–	–	–	–

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/4	–	–	–	–	–	–	–	–
7/5	–	–	–	–	–	–	–	–
7/6	July 1	2,008	160	160	July 1	62	40	40
7/7	July 1	*	–	–	July 1	–	–	0
7/8	–	–	–	–	–	–	–	–
7/9	–	–	–	–	–	–	–	–
7/10	July 2	814	320	84	July 1	44	40	40
7/11	July 2	–	–	–	July 1	0	–	0
7/12	–	–	–	–	–	–	–	–
7/13	–	–	–	–	–	–	–	–
7/14	July 2	1,575	320	136	July 1	172	66	66
7/15	July 2	–	–	–	July 1	0	–	0
7/16	–	–	–	–	–	–	–	–
7/17	–	–	–	–	–	–	–	–
7/18	July 3	*	320	181	July 1	116	80	80
7/19	July 3	3,563	–	–	July 1	*	–	0
7/20	–	–	–	–	–	–	–	–
7/21	–	–	–	–	–	–	–	–
7/22	July 3	4,086	320	199	July 2	390	240	240
7/23	July 3	–	–	–	July 2	537	–	0
7/24	–	–	–	–	–	–	–	–
7/25	–	–	–	–	–	–	–	–
7/26	July 3	*	–	–	July 2	2,584	240	225
7/27	July 3	–	–	–	July 2	2,156	–	0
7/28	–	–	–	–	–	–	–	–
7/29	–	–	–	–	–	–	–	–

-continued-

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	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
7/30	July 3	*	–	–	July 3	965	160	75
7/31	July 3	0	80	80	July 3	2,291	80	80
8/1	–	–	–	–	–	–	–	–
8/2	–	–	–	–	–	–	–	–
8/3	–	–	–	–	–	–	–	–
8/4	–	–	–	–	–	–	–	–
8/5	–	–	–	–	–	–	–	–
8/6	–	–	–	–	–	–	–	–
8/7	–	–	–	–	–	–	–	–
8/8	–	–	–	–	–	–	–	–
8/9	–	–	–	–	–	–	–	–
8/10	–	–	–	–	–	–	–	–
8/11	–	–	–	–	–	–	–	–
8/12	–	–	–	–	–	–	–	–
8/13	–	–	–	–	–	–	–	–
8/14	–	–	–	–	–	–	–	–
8/15	–	–	–	–	–	–	–	–
8/16	–	–	–	–	–	–	–	–
8/17	–	–	–	–	–	–	–	–
8/18	–	–	–	–	–	–	–	–
8/19	–	–	–	–	–	–	–	–
8/20	–	–	–	–	–	–	–	–
8/21	–	–	–	–	–	–	–	–
8/22	July 3	*	–	–	–	–	–	–
8/23	–	–	–	–	–	–	–	–
8/24	–	–	–	–	–	–	–	–

-continued-

	Seine				Gillnet			
Date	Temporal stratum	Harvest	Collected	Selected	Temporal stratum	Harvest	Collected	Selected
8/25	–	–	–	–	–	–	–	–
8/26	–	–	–	–	–	–	–	–
8/27	–	–	–	–	–	–	–	–
8/28	–	–	–	–	–	–	–	–
8/29	–	–	–	–	–	–	–	–
8/30	–	–	–	–	–	–	–	–
8/31	–	–	–	–	–	–	–	–
9/1	–	–	–	–	–	–	–	–
9/2	–	–	–	–	–	–	–	–
9/3	–	–	–	–	–	–	–	–
9/4	–	–	–	–	–	–	–	–
9/5	–	–	–	–	–	–	–	–

Note: when samples were collected more than 1 day after 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. Asterisk (*) denotes confidential data. En dashes (–) indicate that either no samples were collected or selected for analysis, or the fishery was not open on that date.

APPENDIX C: AGE AND LENGTH COMPOSITION AT INDIVIDUAL STRATA LEVEL

Appendix C1.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 1, 2022, seine (June 11–13; harvest = 16,419; n = 560). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	12	2.4	1.2	3.6	0.7	12	520.3	508.8	531.9	24.4
0.3	317	63.3	59.6	66.9	2.2	317	545.7	542.8	548.5	31.0
0.4	167	33.3	29.8	36.9	2.1	167	561.9	557.5	566.4	34.9
0.5	4	0.8	0.0	1.6	0.4	4	578.5	550.3	606.7	34.3
0.6	1	0.2	0.0	0.6	0.2	1	587.0	587.0	587.0	–
Unknown						59	548.4	539.8	557.0	40.2
Total	501					560	550.6	548.2	553.0	34.2

Appendix C2.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 2, 2022, seine (June 15–16; harvest = 41,246; n = 440). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	8	2.0	0.7	3.3	0.7	8	513.3	500.3	526.2	22.2
0.3	259	65.1	61.0	69.1	2.4	259	547.9	544.8	551.0	30.0
0.4	128	32.2	28.2	36.2	2.3	128	561.5	555.9	567.0	38.3
0.5	3	0.8	0.0	1.6	0.4	3	626.0	602.9	649.1	24.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						42	552.0	543.8	560.2	32.2
Total	398					440	552.1	549.5	554.8	34.1

Appendix C3.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 3, 2022, seine (June 20–21; harvest = 34,281; n = 480). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	4	1.0	0.1	1.9	0.5	4	539.0	527.4	550.6	14.1
0.3	264	64.4	60.4	68.4	2.4	264	565.6	561.7	569.6	39.0
0.4	134	32.7	28.7	36.6	2.3	134	576.1	570.4	581.7	39.9
0.5	8	2.0	0.7	3.2	0.7	8	607.6	590.1	625.2	30.1
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						70	561.3	553.4	569.2	40.0
Total	410					480	568.4	565.4	571.4	39.8

Appendix C4.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 4, 2022, seine (June 25–26; harvest = 75,336; n = 480). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	26	6.1	4.1	8.1	1.2	26	517.5	508.3	526.8	28.7
0.3	298	70.0	66.2	73.7	2.2	298	548.1	544.4	551.9	39.4
0.4	97	22.8	19.3	26.2	2.0	97	561.5	554.7	568.4	40.9
0.5	5	1.2	0.2	2.2	0.5	5	572.2	557.2	587.2	20.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						54	548.0	538.7	557.2	41.3
Total	426					480	549.4	546.4	552.4	40.3

Appendix C5.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2022, gillnet (June 6–28; harvest = 10,729; n = 936). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	10	1.3	0.6	1.9	0.4	10	521.8	501.0	542.6	39.9
0.3	434	54.3	51.5	57.2	1.7	434	549.5	547.5	551.6	26.3
0.4	351	43.9	41.1	46.8	1.7	351	570.2	567.4	572.9	31.5
0.5	4	0.5	0.0	1.0	0.2	4	568.5	537.4	599.6	37.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						137	555.1	550.6	559.6	32.2
Total	799					936	557.9	556.2	559.5	31.1

Appendix C6.–Southwestern and Unimak Districts, South Alaska Peninsula area, June stratum 1, 2022, seine (June 11–13; harvest = 24,254; n = 582). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	13	2.7	1.4	4.0	0.7	13	508.1	495.8	520.3	26.8
0.3	305	63.1	59.4	66.9	2.2	305	534.4	531.4	537.3	31.3
0.4	163	33.7	30.1	37.4	2.2	163	550.7	545.8	555.7	38.1
0.5	2	0.4	0.0	1.0	0.3	2	559.5	510.9	608.1	41.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						99	529.3	525.2	533.3	24.6
Total	483					582	537.6	535.3	539.9	33.6

Appendix C7.–Southwestern and Unimak Districts, South Alaska Peninsula area, June stratum 2, 2022, seine (June 15–18; Harvest = 123,139; n = 640). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	24	4.7	3.1	6.4	0.9	24	488.4	474.3	502.4	41.8
0.3	376	73.7	70.4	77.0	2.0	376	532.5	530.0	534.9	28.9
0.4	109	21.4	18.3	24.5	1.8	109	549.7	544.5	554.9	33.1
0.5	1	0.2	0.0	0.6	0.2	1	539.0	539.0	539.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						130	529.6	524.7	534.4	33.6
Total	510					640	533.2	531.0	535.3	33.0

Appendix C8.–Southwestern and Unimak Districts, South Alaska Peninsula area, June stratum 3, 2022, seine (June 20–23; Harvest = 120,443; n = 679). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	48	7.8	5.9	9.7	1.1	48	501.8	493.9	509.7	33.2
0.3	435	70.6	67.5	73.7	1.8	435	529.5	526.9	532.0	32.4
0.4	131	21.3	18.5	24.1	1.7	131	541.2	535.9	546.5	37.0
0.5	2	0.3	0.0	0.8	0.2	2	596.5	569.3	623.7	23.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						63	528.2	519.8	536.6	40.6
Total	616					679	529.9	527.6	532.1	35.5

Appendix C9.–Southwestern and Unimak Districts, South Alaska Peninsula area, June stratum 4, 2022, seine (June 25–28; harvest = 54,039; n = 718). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	88	13.6	11.3	15.9	1.4	88	484.4	477.2	491.7	41.1
0.3	406	62.9	59.7	66.2	1.9	406	527.3	524.4	530.2	35.9
0.4	147	22.8	20.0	25.6	1.7	147	541.7	536.4	547.1	39.4
0.5	4	0.6	0.0	1.2	0.3	4	610.8	600.5	621.0	12.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						73	521.2	512.8	529.7	43.7
Total	645					718	524.9	522.3	527.4	41.8

Appendix C10.–Southwestern and Unimak Districts, South Alaska Peninsula area, June stratum 1, 2022, gillnet (June 11–13; harvest = 10,797; n = 720). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	7	1.1	0.4	1.9	0.4	7	507.1	487.3	527.0	31.8
0.3	373	61.1	57.9	64.4	1.9	373	538.0	535.5	540.5	29.3
0.4	223	36.6	33.4	39.8	1.9	223	555.2	551.7	558.6	31.3
0.5	7	1.1	0.4	1.9	0.4	7	559.3	541.2	577.4	29.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						110	526.5	521.5	531.6	32.3
Total	610					720	541.5	539.5	543.4	32.2

Appendix C11.–Southwestern and Unimak Districts, South Alaska Peninsula area, June stratum 2, 2022, gillnet (June 15–18; harvest = 15,665; n = 640). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	15	2.8	1.5	4.1	0.7	15	522.7	512.3	533.2	24.6
0.3	370	69.2	65.8	72.5	2.0	370	537.4	535.2	539.6	26.0
0.4	150	28.0	24.7	31.3	1.9	150	547.7	543.9	551.5	28.2
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						105	539.0	534.2	543.8	29.8
Total	535					640	539.7	537.9	541.5	27.5

Appendix C12.–Southwestern and Unimak Districts, South Alaska Peninsula area, June stratum 3, 2022, gillnet (June 20–23; harvest = 16,302; n = 640). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	11	2.0	0.9	3.0	0.6	11	517.8	509.7	526.0	16.4
0.3	379	67.2	63.8	70.5	2.0	379	538.9	536.5	541.3	28.1
0.4	170	30.1	26.9	33.4	1.9	170	545.9	542.1	549.7	30.1
0.5	4	0.7	0.0	1.4	0.4	4	573.0	539.8	606.2	40.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						76	535.7	529.9	541.5	30.9
Total	564					640	540.2	538.3	542.1	29.3

Appendix C13.–Southwestern and Unimak Districts, South Alaska Peninsula area, June stratum 4, 2022, gillnet (June 25–28; harvest = 1,487; n = 223). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	9	4.8	2.1	7.5	1.5	9	520.8	512.6	528.9	14.8
0.3	129	68.6	63.1	74.1	3.2	129	534.4	530.1	538.6	29.4
0.4	49	26.1	20.8	31.3	3.0	49	552.0	544.1	559.9	33.4
0.5	1	0.5	0.0	1.6	0.5	1	592.0	592.0	592.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						35	531.4	522.7	540.1	31.2
Total	188	1.00				223	537.5	534.0	540.9	31.3

Appendix C14.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2022, seine (July 6–14; harvest = 32,704; n = 1,120). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	37	3.8	2.7	4.8	0.6	37	519.4	507.1	531.6	45.3
0.3	660	67.4	64.9	69.9	1.5	660	567.4	564.8	570.0	40.8
0.4	279	28.5	26.1	30.9	1.4	279	579.8	576.0	583.5	37.8
0.5	3	0.3	0.0	0.6	0.2	3	621.0	532.6	709.4	93.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						141	555.8	549.1	562.5	48.3
Total	979					1,120	567.6	565.5	569.7	43.0

Appendix C15.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2022, seine (July 15–21; harvest = 36,682; n = 450). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	28	7.1	4.9	9.4	1.3	28	511.3	492.9	529.6	59.0
0.3	292	74.3	70.5	78.1	2.2	292	572.1	568.3	576.0	40.0
0.4	72	18.3	15.0	21.7	2.0	72	580.0	571.8	588.1	41.9
0.5	1	0.3	0.0	0.8	0.3	1	604.0	604.0	604.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						57	562.1	550.2	573.9	54.1
Total	393					450	568.4	564.8	572.0	46.1

Appendix C16.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2022, seine (July 22–31; harvest = 56,716; n = 920). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.1	0.0	0.4	0.1	1	415.0	415.0	415.0	–
0.2	72	9.3	7.5	11.0	1.0	72	526.6	520.1	533.2	33.8
0.3	516	66.3	63.5	69.2	1.7	516	576.2	573.4	579.1	39.1
0.4	189	24.3	21.7	26.9	1.5	189	580.4	576.4	584.4	33.5
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						142	562.5	555.9	569.1	47.9
Total	778					920	570.9	568.6	573.2	41.8

Appendix C17.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2022, gillnet (July 6–17; harvest = 4,092; n = 728). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	12	1.9	1.0	2.8	0.5	12	540.6	526.2	554.9	30.2
0.3	373	59.7	56.6	62.7	1.8	373	561.9	559.5	564.3	28.6
0.4	237	37.9	34.9	40.9	1.8	237	575.4	572.1	578.6	30.3
0.5	3	0.5	0.0	1.0	0.3	3	595.0	577.2	612.8	18.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						103	561.9	556.5	567.3	33.4
Total	625					728	566.1	564.2	567.9	30.7

Appendix C18.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2022, gillnet (July 18–25; harvest = 4,833; n = 446). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	15	3.9	2.2	5.6	1.0	15	560.8	548.5	573.1	28.8
0.3	257	67.3	63.3	71.2	2.3	257	564.1	561.1	567.1	29.1
0.4	109	28.5	24.7	32.3	2.2	109	573.1	568.5	577.6	28.8
0.5	1	0.3	0.0	0.8	0.3	1	590.0	590.0	590.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						64	558.5	552.1	564.9	31.0
Total	382					446	565.4	563.1	567.8	29.6

Appendix C19.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2022, gillnet (July 26–31; harvest = 5,189; n = 360). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	16	5.3	3.1	7.5	1.3	16	527.1	514.6	539.6	30.3
0.3	190	62.9	58.3	67.5	2.7	190	564.6	561.5	567.7	26.1
0.4	96	31.8	27.3	36.3	2.6	96	575.3	570.7	579.9	27.1
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						58	560.3	552.8	567.8	34.6
Total	302					360	565.1	562.5	567.7	29.6

Appendix C20.–Southwestern and Unimak Districts, South Alaska Peninsula area, July stratum 1, 2022, seine (July 6–7; harvest = 30,008; n = 268). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	9	4.5	1.8	7.2	1.5	9	529.9	510.5	549.3	35.3
0.3	145	72.5	67.0	78.0	3.2	145	574.1	567.3	580.9	49.5
0.4	45	22.5	17.4	27.6	3.0	45	584.2	574.2	594.3	40.9
0.5	1	0.5	0.0	1.6	0.5	1	714.0	714.0	714.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						68	568.1	556.3	580.0	59.1
Total	200					268	573.3	568.1	578.5	51.7

Appendix C21.–Southwestern and Unimak Districts, South Alaska Peninsula area, July stratum 2, 2022, seine (July 8–31; harvest = 12,708; n = 400). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	13	4.2	2.1	6.2	1.1	13	534.7	511.9	557.5	49.9
0.3	191	61.0	56.3	65.7	2.8	191	573.9	569.6	578.1	35.8
0.4	108	34.5	29.9	39.1	2.7	108	585.0	579.6	590.3	33.9
0.5	1	0.3	0.0	1.0	0.3	1	699.0	699.0	699.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						87	566.6	557.0	576.2	54.5
Total	313					400	574.3	570.9	577.8	42.1

Appendix C22.–Southwestern and Unimak Districts, South Alaska Peninsula area, July stratum 1, 2022, gillnet (July 6–24; harvest = 2,027; n = 244). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	11	5.2	2.6	7.9	1.5	11	556.5	540.0	572.9	33.0
0.3	97	46.2	40.6	51.8	3.3	97	561.2	556.2	566.2	29.7
0.4	102	48.6	42.9	54.2	3.3	102	577.3	572.6	582.0	28.5
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						34	569.0	560.5	577.4	29.9
Total	210					244	568.8	565.6	572.0	30.2

Appendix C23.–Southwestern and Unimak Districts, South Alaska Peninsula area, July stratum 2, 2022, gillnet (July 25–31; harvest = 3,812; n = 453). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	34	8.3	6.0	10.5	1.3	34	525.9	518.0	533.8	28.0
0.3	232	56.6	52.6	60.5	2.3	232	566.3	563.1	569.5	29.2
0.4	142	34.6	30.8	38.4	2.2	142	580.1	575.9	584.3	30.4
0.5	2	0.5	0.0	1.1	0.3	2	590.0	532.3	647.7	49.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						43	557.7	548.4	567.0	37.1
Total	410					453	566.9	564.3	569.5	33.3

Appendix C24.–Southeastern and South Central Districts, South Alaska Peninsula area, August stratum 1, 2022, seine (August 1–17; harvest = 35,706; n = 400). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	55	15.9	12.5	19.3	2.0	55	530.0	522.5	537.6	33.9
0.3	223	64.6	60.2	69.0	2.6	223	565.7	562.7	568.6	26.5
0.4	66	19.1	15.5	22.8	2.1	66	575.6	568.7	582.5	34.0
0.5	1	0.3	0.0	0.9	0.3	1	620.0	620.0	620.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						55	544.3	535.4	553.1	39.8
Total	345					400	559.6	556.8	562.4	34.2

Appendix C25.–Southeastern and South Central Districts, South Alaska Peninsula area, August stratum 2, 2022, seine (August 18–31; harvest = 9,793; n = 301). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	54	20.8	16.5	25.2	2.5	54	540.1	533.2	546.9	30.3
0.3	147	56.8	51.5	62.0	3.1	147	559.0	554.5	563.5	33.2
0.4	57	22.0	17.6	26.5	2.6	57	574.8	568.1	581.5	30.7
0.5	1	0.4	0.0	1.2	0.4	1	601.0	601.0	601.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						42	562.2	553.4	571.0	34.6
Total	259					301	559.2	555.9	562.4	34.0

Appendix C26.–Southwestern and Unimak Districts, South Alaska Peninsula area, August stratum 1, 2022, seine (August 15–16; harvest = 18,807; n = 248). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	52	23.3	18.4	28.2	2.8	52	512.8	505.6	519.9	31.2
0.3	128	57.4	51.7	63.1	3.3	128	555.6	551.3	559.8	29.2
0.4	43	19.3	14.7	23.9	2.6	43	563.8	556.6	571.1	28.7
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						25	543.3	531.9	554.7	34.4
Total	223					248	546.8	543.1	550.5	35.1

Appendix C27.–Southwestern and Unimak Districts, South Alaska Peninsula area, August stratum 2, 2022, seine (August 17–31; harvest = 10,017; n = 359). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	51	16.1	12.5	19.7	2.1	51	519.9	512.0	527.8	34.1
0.3	150	47.3	42.5	52.1	2.8	150	556.7	552.6	560.8	30.1
0.4	116	36.6	32.0	41.2	2.7	116	567.4	563.2	571.5	27.3
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						42	549.6	539.1	560.1	41.4
Total	317					359	554.1	551.1	557.1	34.7

Appendix C28.–South Alaska Peninsula area, August 2022, gillnet (August 1–31; harvest = 7,048; n = 434). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	67	17.2	14.0	20.4	1.9	67	540.0	533.7	546.3	31.1
0.3	229	58.9	54.7	63.0	2.4	229	562.1	559.8	564.4	21.2
0.4	93	23.9	20.3	27.5	2.1	93	578.1	573.4	582.9	27.6
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						45	560.5	553.3	567.6	29.1
Total	389					434	562.0	559.8	564.2	27.6

Appendix C29.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 1, 2023, seine (June 10–13; harvest = 6,338; n = 560). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
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	503.0	465.1	540.9	32.5
0.3	309	61.9	58.2	65.6	2.2	309	555.4	552.5	558.3	30.7
0.4	181	36.3	32.6	39.9	2.2	181	575.7	571.8	579.7	32.1
0.5	7	1.4	0.4	2.4	0.5	7	592.9	578.4	607.3	23.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						61	564.5	556.3	572.7	38.9
Total	499					560	563.3	560.9	565.6	33.6

Appendix C30.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 2, 2023, seine (June 16–18; harvest = 17,906; n = 480). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	1	0.2	0.0	0.7	0.2	1	473.0	473.0	473.0	–
0.3	253	56.1	52.1	60.1	2.3	253	555.2	551.7	558.6	33.5
0.4	187	41.5	37.5	45.4	2.3	187	577.3	573.1	581.4	34.4
0.5	10	2.2	1.0	3.5	0.7	10	586.5	571.2	601.8	29.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						29	562.0	551.6	572.3	33.9
Total	451					480	564.7	562.0	567.4	35.7

Appendix C31.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 3, 2023, seine (June 20–23; harvest = 32,203; n = 480). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	3	0.7	0.0	1.5	0.4	3	503.3	451.0	555.7	55.0
0.3	250	59.2	55.2	63.3	2.4	250	558.3	554.7	561.9	34.5
0.4	165	39.1	35.1	43.1	2.4	165	573.4	568.6	578.1	37.0
0.5	4	0.9	0.1	1.8	0.5	4	567.8	535.2	600.3	39.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						58	564.8	554.7	575.0	46.8
Total	422					480	564.0	561.2	566.9	38.0

Appendix C32.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 4, 2023, seine (June 25–28; harvest = 36,566; n = 800). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	5	0.7	0.1	1.3	0.3	5	483.4	458.2	508.6	34.2
0.3	447	63.0	60.0	66.1	1.8	447	558.0	555.1	560.9	37.4
0.4	244	34.4	31.4	37.4	1.8	244	580.8	577.0	584.6	36.1
0.5	13	1.8	0.9	2.7	0.5	13	587.2	573.0	601.4	31.1
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						91	559.0	550.8	567.3	47.9
Total	709					800	565.1	562.7	567.4	40.1

Appendix C33.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2023, gillnet (June 6–28; harvest = 10,146; n = 640). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	4	0.7	0.1	1.4	0.3	4	503.0	469.9	536.1	40.2
0.3	356	63.2	59.9	66.6	2.0	356	548.1	545.4	550.7	30.6
0.4	194	34.5	31.2	37.8	1.9	194	564.2	560.2	568.2	33.8
0.5	9	1.6	0.7	2.5	0.5	9	576.2	562.5	590.0	25.1
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						77	550.5	543.9	557.1	35.3
Total	563					640	553.4	551.2	555.5	33.2

Appendix C34.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2023, seine (June 10–13; harvest = 6,354; n = 560). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	0	–	–	–	–	0	–	–	–	–
0.3	290	57.0	53.3	60.7	2.2	290	555.1	551.8	558.3	33.4
0.4	213	41.8	38.1	45.6	2.2	213	570.9	567.1	574.7	33.8
0.5	6	1.2	0.3	2.1	0.5	6	565.8	546.6	585.1	28.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						51	562.5	554.0	570.9	36.5
Total	509					560	561.9	559.5	564.3	34.5

Appendix C35.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 2, 2023, seine (June 16–18; harvest = 39,070; n = 600). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	5	0.9	0.1	1.6	0.4	5	533.4	515.6	551.2	24.2
0.3	297	53.4	49.8	57.0	2.1	297	555.1	552.0	558.1	32.2
0.4	241	43.3	39.8	46.9	2.1	241	571.0	567.5	574.4	32.1
0.5	12	2.2	1.1	3.3	0.6	12	555.7	544.7	566.6	23.0
0.6	1	0.2	0.0	0.6	0.2	1	602.0	602.0	602.0	–
Unknown						44	556.1	548.6	563.6	30.2
Total	556					600	561.4	559.2	563.6	32.8

Appendix C36.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2023, seine (June 20–23; harvest = 22,635; n = 720). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	6	0.9	0.2	1.6	0.4	6	513.7	484.8	542.5	42.9
0.3	366	56.7	53.4	59.9	2.0	366	555.3	552.2	558.4	36.1
0.4	261	40.4	37.1	43.7	1.9	261	567.8	564.2	571.5	36.2
0.5	13	2.0	1.0	3.0	0.6	13	560.6	543.7	577.6	37.1
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						74	561.9	554.0	569.8	41.3
Total	646					720	560.3	558.0	562.6	37.4

Appendix C37.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2023, seine (June 25–28; harvest = 4,294; n = 513). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	4	0.9	0.0	1.7	0.4	4	478.3	412.9	543.6	79.3
0.3	250	53.6	49.7	57.6	2.3	250	558.6	554.4	562.8	40.6
0.4	199	42.7	38.8	46.6	2.3	199	575.5	571.0	579.9	38.1
0.5	13	2.8	1.4	4.2	0.8	13	586.8	569.1	604.4	38.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						47	557.0	546.6	567.3	42.9
Total	466					513	565.1	562.0	568.1	41.7

Appendix C38.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2023, gillnet (June 10–13; harvest = 5,116; n = 520). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	3	0.6	0.0	1.3	0.3	3	495.0	431.0	559.0	67.3
0.3	281	59.5	55.9	63.2	2.2	281	553.6	550.3	556.9	33.3
0.4	180	38.1	34.5	41.8	2.1	180	569.1	565.5	572.7	29.3
0.5	8	1.7	0.7	2.7	0.6	8	547.3	531.3	563.2	27.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						48	552.1	542.9	561.3	38.7
Total	472					520	558.4	556.0	560.9	33.7

Appendix C39.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 2, 2023, gillnet (June 15–18; harvest = 19,685; n = 577). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	3	0.6	0.0	1.2	0.3	3	540.0	498.4	581.6	43.7
0.3	316	59.3	55.7	62.9	2.1	316	551.3	548.3	554.4	32.7
0.4	204	38.3	34.7	41.8	2.1	204	559.2	555.5	562.8	31.6
0.5	10	1.9	0.8	2.9	0.6	10	574.4	563.0	585.8	21.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						44	549.5	539.4	559.5	40.3
Total	533					577	554.3	552.0	556.6	33.1

Appendix C40.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2023, gillnet (June 20–23; harvest = 3,184; n = 320). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	0	–	–	–	–	0	–	–	–	–
0.3	188	63.3	58.5	68.1	2.8	188	551.8	547.9	555.6	32.2
0.4	105	35.4	30.6	40.1	2.8	105	567.4	562.1	572.6	32.7
0.5	4	1.3	0.1	2.6	0.7	4	574.5	547.1	601.9	33.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						23	554.6	543.6	565.6	31.9
Total	297					320	557.4	554.3	560.4	33.0

Appendix C41.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2023, gillnet (June 25–28; harvest = 2,488; n = 379). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	2	0.6	0.0	1.3	0.4	2	540.0	482.3	597.7	49.5
0.3	215	61.1	57.0	65.2	2.4	215	548.5	545.2	551.8	29.4
0.4	130	36.9	32.9	41.0	2.4	130	559.6	555.1	564.0	30.5
0.5	5	1.4	0.3	2.5	0.6	5	559.6	528.8	590.4	41.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						27	545.3	532.7	558.0	39.9
Total	352					379	552.2	549.5	554.8	31.2

Appendix C42.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2023, seine (July 6–19; harvest = 55,457; n = 1,485). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.1	0.0	0.2	0.1	1	382.0	382.0	382.0	–
0.2	54	3.9	3.0	4.8	0.5	54	470.5	459.2	481.8	50.3
0.3	886	63.8	61.6	65.9	1.3	886	558.0	555.8	560.3	41.1
0.4	434	31.2	29.2	33.3	1.2	434	587.7	585.0	590.5	34.9
0.5	14	1.0	0.5	1.5	0.3	14	592.0	575.2	608.8	38.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						96	544.8	535.8	553.8	53.5
Total	1389					1,485	562.9	560.9	564.9	47.0

Appendix C43.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2023, seine (July 22–27; harvest = 133,701; n = 860). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	44	5.5	4.1	6.8	0.8	44	483.8	470.4	497.1	53.9
0.3	582	72.1	69.5	74.8	1.6	582	563.5	560.8	566.2	39.6
0.4	177	21.9	19.5	24.4	1.5	177	591.3	587.1	595.5	34.1
0.5	4	0.5	0.0	1.0	0.2	4	608.3	578.9	637.6	35.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						53	560.5	549.1	571.8	50.1
Total	807					860	565.2	562.6	567.7	45.7

Appendix C44.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2023, seine (July 30–31; harvest = 34,470; n = 240). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	15	6.8	3.8	9.8	1.7	15	487.7	471.3	504.2	38.7
0.3	168	76.0	71.0	81.0	2.9	168	569.4	564.4	574.3	39.2
0.4	37	16.7	12.4	21.1	2.5	37	603.1	593.2	613.0	36.3
0.5	1	0.5	0.0	1.4	0.5	1	569.0	569.0	569.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						19	571.5	555.4	587.5	42.3
Total	221					240	569.6	564.7	574.5	45.7

Appendix C45.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2023, gillnet (July 6–15; harvest = 6,858; n = 493). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	14	3.2	1.7	4.6	0.8	14	515.4	490.1	540.6	57.4
0.3	247	56.1	52.2	60.0	2.3	247	560.9	557.7	564.1	30.5
0.4	172	39.1	35.3	42.9	2.3	172	581.0	577.3	584.8	29.8
0.5	7	1.6	0.5	2.7	0.6	7	602.3	589.9	614.7	19.9
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						53	554.8	545.5	564.1	41.0
Total	440					493	566.5	563.9	569.2	35.2

Appendix C46.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2023, gillnet (July 18–27; harvest = 8,477; n = 759). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	16	2.3	1.3	3.2	0.5	16	518.6	505.8	531.4	31.1
0.3	423	59.8	56.9	62.8	1.8	423	568.9	566.4	571.4	31.6
0.4	259	36.6	33.7	39.6	1.7	259	587.5	584.7	590.4	27.9
0.5	9	1.3	0.5	2.0	0.4	9	590.7	577.2	604.1	24.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						52	563.6	556.5	570.7	31.0
Total	707					759	574.1	572.1	576.0	32.6

Appendix C47.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2023, gillnet (July 30–31; harvest = 2,936; n = 240). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	7	3.1	1.0	5.2	1.1	7	526.3	516.1	536.5	16.4
0.3	150	66.4	61.2	71.6	3.0	150	578.4	574.9	582.0	26.2
0.4	68	30.1	25.0	35.2	2.9	68	583.1	577.6	588.6	27.4
0.5	1	0.4	0.0	1.4	0.4	1	596.0	596.0	596.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						14	580.6	563.1	598.2	39.8
Total	226					240	578.4	575.4	581.5	28.6

Appendix C48.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2023, seine (July 6–7; harvest = 74,937; n = 500). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	13	2.8	1.4	4.2	0.8	13	511.5	495.7	527.2	34.5
0.3	324	70.1	66.5	73.8	2.1	324	548.9	545.4	552.3	37.7
0.4	124	26.8	23.3	30.3	2.1	124	562.5	556.8	568.2	38.7
0.5	1	0.2	0.0	0.7	0.2	1	554.0	554.0	554.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						38	539.9	525.8	554.1	53.0
Total	462					500	550.6	547.6	553.6	40.1

Appendix C49.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2023, seine (July 10–15; harvest = 39,807; n = 917). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	135	15.6	13.5	17.7	1.2	135	447.0	440.7	453.3	44.6
0.3	538	62.3	59.5	65.0	1.6	538	540.5	536.8	544.1	51.9
0.4	184	21.3	18.9	23.6	1.4	184	570.3	564.8	575.8	45.3
0.5	7	0.8	0.2	1.4	0.3	7	585.3	538.2	632.3	75.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						53	514.5	500.0	529.0	64.1
Total	864					917	531.5	528.1	535.0	63.2

Appendix C50.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 3, 2023, seine (July 18–31; harvest = 14,870; n = 625). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	3	0.5	0.0	1.1	0.3	3	363.3	327.0	399.7	38.2
0.2	114	20.2	17.3	23.1	1.7	114	441.5	434.1	448.9	47.9
0.3	341	60.5	57.0	63.9	2.1	341	549.2	544.7	553.8	50.8
0.4	101	17.9	15.2	20.7	1.6	101	579.4	572.9	585.9	39.7
0.5	5	0.9	0.1	1.6	0.4	5	572.2	543.9	600.5	38.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						61	490.5	474.3	506.8	77.0
Total	564					625	528.0	523.4	532.7	70.6

Appendix C51.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2023, gillnet (July 6–19; harvest = 3,388; n = 75). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	1	1.5	0.0	4.7	1.5	1	486.0	486.0	486.0	–
0.3	54	80.6	71.8	89.4	4.8	54	553.5	544.2	562.7	40.7
0.4	12	17.9	9.4	26.5	4.7	12	575.2	566.1	584.3	18.9
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						8	536.4	520.6	552.2	26.8
Total	67					75	554.2	546.8	561.6	38.5

Appendix C52.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2023, gillnet (July 22–27; harvest = 6,295; n = 510). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	9	1.9	0.8	3.1	0.6	9	518.1	493.7	542.5	44.4
0.3	341	73.7	70.3	77.0	2.0	341	559.6	556.6	562.5	32.9
0.4	111	24.0	20.7	27.2	1.9	111	576.5	571.6	581.4	31.5
0.5	2	0.4	0.0	1.0	0.3	2	586.0	571.2	600.8	12.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						47	537.4	528.6	546.1	36.3
Total	463					510	560.6	558.0	563.1	35.0

Appendix C53.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 3, 2023, gillnet (July 30–31; harvest = 4,144; n = 200). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	2	1.1	0.0	2.6	0.7	2	528.0	498.3	557.7	25.5
0.3	158	84.9	80.4	89.5	2.6	158	568.4	564.8	572.0	27.5
0.4	25	13.4	9.1	17.8	2.5	25	567.8	558.3	577.3	28.9
0.5	1	0.5	0.0	1.7	0.5	1	600.0	600.0	600.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						14	557.7	540.0	575.5	40.2
Total	186					200	567.3	563.9	570.7	28.9

Appendix C54.–Southeastern and South Central Districts, South Alaska Peninsula area, August stratum 1, 2023, seine (August 7–13; harvest = 125,903; n = 530). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	16	3.2	1.8	4.6	0.8	16	494.8	477.7	511.8	41.3
0.3	403	80.4	77.4	83.5	1.8	403	562.3	559.7	564.8	30.8
0.4	79	15.8	13.0	18.6	1.6	79	583.9	577.1	590.7	36.7
0.5	3	0.6	0.0	1.3	0.3	3	596.3	566.1	626.6	31.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						29	542.6	529.5	555.6	42.7
Total	501					530	562.6	560.0	565.1	36.1

Appendix C55.–Southeastern and South Central Districts, South Alaska Peninsula area, August stratum 2, 2023, seine (August 14–31; harvest = 129,858; n = 320). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	15	5.0	2.8	7.3	1.3	15	520.3	508.0	532.7	29.1
0.3	245	82.2	78.4	86.0	2.2	245	560.6	557.6	563.7	28.9
0.4	36	12.1	8.8	15.4	1.9	36	587.3	577.6	597.0	35.3
0.5	2	0.7	0.0	1.6	0.5	2	578.0	528.5	627.5	42.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						22	568.1	554.1	582.2	39.9
Total	298					320	562.4	559.3	565.4	32.9

Appendix C56.–Southeastern and South Central Districts, South Alaska Peninsula area, August, 2023, gillnet (August 3–23; harvest = 11,538; n = 600). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	21	3.7	2.3	5.1	0.8	21	534.6	527.3	542.0	20.4
0.3	410	72.2	69.0	75.4	1.9	410	572.5	570.1	574.9	29.5
0.4	134	23.6	20.6	26.6	1.8	134	591.1	587.2	594.9	26.8
0.5	3	0.5	0.0	1.1	0.3	3	582.7	564.3	601.0	19.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						32	558.3	547.7	569.0	36.7
Total	568					600	574.6	572.5	576.7	31.2

Appendix C57.–Unimak and Southwestern Districts, South Alaska Peninsula area, August stratum 1, 2023, seine (August 7–17; harvest = 124,946; n = 708). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	9	1.3	0.5	2.1	0.4	9	532.1	512.0	552.2	36.6
0.3	545	81.2	78.7	83.8	1.5	545	568.6	566.5	570.6	29.5
0.4	110	16.4	14.0	18.8	1.4	110	587.7	583.1	592.4	29.6
0.5	7	1.0	0.3	1.8	0.4	7	595.9	575.1	616.7	33.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						37	563.7	553.6	573.8	37.3
Total	671					708	571.1	569.2	573.0	31.3

Appendix C58.–Unimak and Southwestern Districts, South Alaska Peninsula area, August stratum 2, 2023, seine (August 18–30; harvest = 131,761; n = 387). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	7	1.9	0.6	3.2	0.7	7	522.6	503.8	541.4	30.2
0.3	324	87.1	84.1	90.1	1.7	324	558.9	556.1	561.7	30.1
0.4	40	10.8	8.0	13.5	1.6	40	578.8	571.5	586.1	27.9
0.5	1	0.3	0.0	0.8	0.3	1	606.0	606.0	606.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						15	565.7	552.3	579.2	31.7
Total	372					387	560.7	558.1	563.3	30.9

Appendix C59.–Unimak and Southwestern Districts, South Alaska Peninsula area, August 2023, gillnet (August 7–26; harvest = 5,995; n = 350). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	8	2.4	0.9	3.9	0.8	8	541.8	526.2	557.3	26.7
0.3	264	79.0	75.2	82.9	2.2	264	563.0	560.4	565.5	25.3
0.4	61	18.3	14.6	21.9	2.1	61	576.7	569.7	583.7	33.1
0.5	1	0.3	0.0	0.9	0.3	1	573.0	573.0	573.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						16	561.3	550.8	571.7	25.2
Total	334					350	564.8	562.4	567.2	27.4

Appendix C60.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 1, 2024, seine (June 10–13; harvest = 9,855; n = 440). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	7	1.7	0.5	2.9	0.7	7	514.7	504.9	524.5	15.8
0.3	292	72.8	69.0	76.6	2.2	292	556.0	552.7	559.3	34.1
0.4	98	24.4	20.8	28.1	2.1	98	564.6	559.6	569.6	29.9
0.5	4	1.0	0.1	1.9	0.5	4	603.8	578.4	629.1	30.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						39	558.7	550.7	566.8	30.4
Total	401					440	557.9	555.3	560.6	33.5

Appendix C61.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 2, 2024, seine (June 15–18; harvest = 28,278; n = 440). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	6	1.5	0.4	2.7	0.6	6	516.3	491.5	541.2	36.9
0.3	287	72.7	68.8	76.5	2.2	287	545.3	542.0	548.5	33.0
0.4	96	24.3	20.6	28.0	2.2	96	562.8	555.5	570.1	43.2
0.5	6	1.5	0.4	2.7	0.6	6	583.3	555.5	611.2	41.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						45	544.2	533.0	555.4	45.6
Total	395					440	549.1	546.1	552.1	38.0

Appendix C62.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 3, 2024, seine (June 20–23; harvest = 37,652; n = 560). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	25	4.9	3.2	6.5	0.9	25	514.0	502.7	525.3	34.3
0.3	379	73.6	70.3	76.9	1.9	379	533.1	530.3	535.9	33.1
0.4	105	20.4	17.4	23.4	1.8	105	551.0	545.7	556.3	33.0
0.5	6	1.2	0.3	2.0	0.5	6	577.2	535.0	619.4	62.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						45	533.7	523.9	543.5	39.8
Total	515					560	536.1	533.7	538.6	35.2

Appendix C63.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 4, 2024, seine (June 25–28; harvest = 59,016; n = 705). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	2	0.3	0.0	0.7	0.2	2	432.0	320.0	544.0	96.2
0.2	38	5.8	4.2	7.3	0.9	38	511.9	502.7	521.1	34.4
0.3	464	70.3	67.3	73.3	1.8	464	549.1	546.3	551.9	36.4
0.4	144	21.8	19.1	24.5	1.6	144	573.0	567.4	578.6	41.0
0.5	12	1.8	0.9	2.8	0.5	12	547.7	528.2	567.2	41.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						45	551.4	542.4	560.4	36.5
Total	660					705	551.8	549.3	554.3	40.3

Appendix C64.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2024, gillnet (June 6–28; harvest = 7,712; n = 680). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	18	2.9	1.7	4.0	0.6	18	520.6	509.5	531.6	28.5
0.3	353	56.6	53.4	59.8	1.9	353	549.7	547.3	552.1	27.5
0.4	240	38.5	35.3	41.6	1.9	240	562.2	559.0	565.4	30.3
0.5	12	1.9	1.0	2.9	0.5	12	561.5	551.5	571.5	21.1
0.6	1	0.2	0.0	0.5	0.2	1	528.0	528.0	528.0	–
Unknown						56	548.2	539.5	556.8	39.3
Total	624					680	553.4	551.4	555.3	30.6

Appendix C65.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2024, seine (June 11–13; harvest = 13,220; n = 400). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	8	2.2	0.8	3.6	0.8	8	527.8	511.1	544.4	28.5
0.3	263	71.3	67.2	75.3	2.4	263	554.7	552.0	557.5	27.2
0.4	94	25.5	21.6	29.4	2.3	94	573.1	567.2	579.0	34.8
0.5	4	1.1	0.1	2.1	0.5	4	585.5	575.4	595.6	12.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						31	548.2	537.4	559.1	36.7
Total	369					400	558.3	555.7	560.9	31.3

Appendix C66.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 2, 2024, seine (June 15–18; harvest = 20,676; n = 560). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	26	4.9	3.2	6.5	0.9	26	516.0	504.0	528.0	37.1
0.3	351	65.9	62.4	69.3	2.1	351	549.8	546.9	552.7	32.6
0.4	152	28.5	25.2	31.8	2.0	152	565.2	561.3	569.0	28.9
0.5	4	0.8	0.0	1.5	0.4	4	594.8	563.9	625.6	37.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						27	563.6	552.7	574.4	34.3
Total	533					560	553.4	551.0	555.7	33.8

Appendix C67.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2024, seine (June 20–23; harvest = 95,187; n = 596). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.2	0.0	0.6	0.2	1	411.0	411.0	411.0	–
0.2	75	13.7	11.2	16.2	1.5	75	499.0	493.6	504.4	28.4
0.3	382	69.8	66.5	73.2	2.0	382	534.4	531.9	537.0	30.4
0.4	85	15.5	12.9	18.2	1.6	85	553.0	546.2	559.7	37.8
0.5	4	0.7	0.0	1.4	0.4	4	592.0	525.9	658.1	80.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						49	526.6	517.7	535.4	37.6
Total	547					596	532.2	529.7	534.6	36.0

Appendix C68.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2024, seine (June 25–28; harvest = 71,875; n = 400). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	55	15.3	12.0	18.5	1.9	55	510.7	505.3	516.1	24.3
0.3	256	71.1	67.0	75.2	2.4	256	542.1	538.8	545.5	32.6
0.4	48	13.3	10.2	16.4	1.8	48	558.8	550.1	567.5	36.5
0.5	1	0.3	0.0	0.9	0.3	1	572.0	572.0	572.0	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						40	529.2	519.6	538.9	37.0
Total	360					400	538.6	535.7	541.5	35.0

Appendix C69.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2024, gillnet (June 11–13; harvest = 42,095; n = 459). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	7	1.7	0.5	2.9	0.6	7	504.9	494.0	515.8	17.5
0.3	243	59.7	55.6	63.8	2.4	243	544.6	541.7	547.4	27.0
0.4	154	37.8	33.8	41.9	2.4	154	550.6	547.3	553.9	24.8
0.5	3	0.7	0.0	1.6	0.4	3	553.3	546.1	560.6	7.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						52	548.5	541.3	555.8	31.7
Total	407					459	546.5	544.4	548.6	27.2

Appendix C70.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 2, 2024, gillnet (June 15–18; harvest = 35,895; n = 519). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	4	0.8	0.0	1.6	0.4	4	520.5	498.6	542.4	26.6
0.3	296	62.4	58.7	66.2	2.2	296	548.7	546.3	551.2	25.8
0.4	165	34.8	31.1	38.5	2.2	165	554.3	550.4	558.2	30.5
0.5	9	1.9	0.8	3.0	0.6	9	589.2	577.3	601.1	21.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						45	552.6	544.3	560.9	33.9
Total	474					519	551.3	549.3	553.4	28.7

Appendix C71.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2024, gillnet (June 20–23; harvest = 25,685; n = 520). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	5	1.1	0.2	2.0	0.5	5	495.0	469.4	520.6	34.7
0.3	285	61.3	57.5	65.1	2.3	285	533.9	531.1	536.7	28.7
0.4	168	36.1	32.3	39.9	2.2	168	541.1	537.3	544.9	29.9
0.5	7	1.5	0.5	2.5	0.6	7	554.1	526.5	581.8	44.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						55	536.2	529.0	543.4	32.4
Total	465					520	536.4	534.2	538.6	30.2

Appendix C72.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2024, gillnet (June 25–28; harvest = 3,693; n = 440). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	8	2.1	0.8	3.3	0.7	8	504.5	496.5	512.5	13.8
0.3	250	64.3	60.3	68.2	2.3	250	546.6	543.7	549.4	27.3
0.4	124	31.9	28.1	35.7	2.2	124	557.8	553.6	562.1	28.8
0.5	7	1.8	0.6	3.0	0.6	7	567.0	556.9	577.1	16.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						51	537.7	530.8	544.6	30.0
Total	389					440	548.3	546.0	550.6	29.1

Appendix C73.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2024, seine (July 6–15; harvest = 31,038; n = 920). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	90	10.7	8.9	12.5	1.1	90	512.1	504.6	519.6	43.4
0.3	508	60.4	57.6	63.2	1.7	508	565.6	562.9	568.4	37.5
0.4	227	27.0	24.4	29.6	1.5	227	592.6	588.7	596.5	35.4
0.5	16	1.9	1.1	2.7	0.5	16	608.2	598.8	617.5	22.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						79	556.1	545.7	566.5	56.3
Total	841					920	567.0	564.5	569.4	45.2

Appendix C74.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2024, seine (July 18–23; harvest = 13,614; n = 640). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	90	14.7	12.3	17.1	1.4	90	510.7	502.4	519.0	47.7
0.3	369	60.3	57.0	63.6	2.0	369	561.5	558.0	565.0	40.9
0.4	147	24.0	21.1	26.9	1.7	147	582.3	577.8	586.8	33.3
0.5	6	1.0	0.2	1.7	0.4	6	597.2	578.8	615.6	27.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						28	542.5	525.1	559.8	55.7
Total	612					640	558.7	555.6	561.7	46.4

Appendix C75.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2024, seine (July 26–September 5; harvest = 49,447; n = 520). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.2	0.0	0.6	0.2	1	402.0	402.0	402.0	–
0.2	102	20.6	17.5	23.7	1.8	102	528.7	522.3	535.1	39.2
0.3	225	45.5	41.7	49.2	2.2	225	574.8	571.0	578.5	34.2
0.4	161	32.5	29.0	36.1	2.1	161	591.8	587.5	596.0	32.8
0.5	6	1.2	0.3	2.1	0.5	6	600.2	578.2	622.1	32.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						25	542.8	522.5	563.0	61.5
Total	495					520	569.4	566.3	572.6	43.7

Appendix C76.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2024, gillnet (July 6–15; harvest = 1,699; n = 640). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	38	6.4	5.0	7.8	0.8	38	524.2	512.5	536.0	44.0
0.3	316	53.4	50.6	56.2	1.7	316	565.6	562.6	568.7	32.9
0.4	230	38.9	36.1	41.6	1.6	230	589.5	586.2	592.8	30.6
0.5	8	1.4	0.6	2.1	0.4	8	597.0	582.4	611.6	25.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						48	562.6	554.4	570.9	34.5
Total	592					640	571.9	569.5	574.3	36.8

Appendix C77.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2024, gillnet (July 18–23; harvest = 1,295; n = 480). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	61	13.6	11.3	15.9	1.3	61	537.1	530.4	543.9	31.9
0.3	180	40.2	37.0	43.4	1.9	180	574.4	570.5	578.2	31.1
0.4	192	42.9	39.6	46.1	1.9	192	589.9	587.1	592.8	24.4
0.5	15	3.3	2.1	4.6	0.7	15	606.5	592.2	620.7	33.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						32	560.1	547.0	573.1	44.7
Total	448					480	575.9	573.3	578.5	34.7

Appendix C78.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2024, gillnet (July 26–September 5; harvest = 2,704; n = 400). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	70	18.6	15.4	21.8	1.9	70	543.8	538.4	549.3	27.6
0.3	165	43.8	39.7	47.8	2.4	165	576.7	573.2	580.1	27.1
0.4	139	36.9	32.9	40.8	2.3	139	598.5	594.6	602.5	28.1
0.5	3	0.8	0.0	1.6	0.4	3	581.0	563.8	598.2	18.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						23	580.5	571.9	589.1	25.1
Total	377					400	578.8	576.0	581.5	33.1

Appendix C79.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2024, seine (July 6–15; harvest = 4,411; n = 800). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	5	0.7	0.1	1.3	0.3	5	394.2	392.4	396.0	2.5
0.2	158	22.2	19.6	24.9	1.6	158	476.2	470.5	481.9	43.3
0.3	419	58.9	55.8	62.0	1.8	419	538.2	534.7	541.7	43.5
0.4	127	17.9	15.4	20.3	1.4	127	570.9	564.6	577.2	43.1
0.5	2	0.3	0.0	0.7	0.2	2	487.0	434.3	539.7	45.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						89	516.9	507.4	526.5	54.7
Total	711					800	527.8	524.6	530.9	54.7

Appendix C80.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2024, seine (July 18–23; harvest = 7,799; n = 640). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	31	5.3	3.7	6.9	0.9	31	387.8	380.2	395.5	25.8
0.2	146	25.0	21.9	28.0	1.8	146	468.0	461.0	474.9	50.8
0.3	282	48.2	44.7	51.7	2.1	282	559.5	556.0	562.9	35.1
0.4	121	20.7	17.8	23.5	1.7	121	583.5	578.6	588.3	32.6
0.5	4	0.7	0.0	1.3	0.3	4	564.0	530.0	598.0	41.3
0.6	1	0.2	0.0	0.5	0.2	1	593.0	593.0	593.0	–
Unknown						55	519.4	500.5	538.4	85.3
Total	585					640	531.5	526.9	536.0	69.2

Appendix C81.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 3, 2024, seine (July 26–September 5; harvest = 3,350; n = 80). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	14	18.9	10.6	27.2	4.6	14	510.9	482.6	539.1	63.5
0.3	34	45.9	35.6	56.3	5.8	34	575.9	568.5	583.4	26.0
0.4	26	35.1	25.2	45.1	5.6	26	600.6	588.6	612.6	36.8
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						6	553.2	527.5	578.9	37.8
Total	74					80	570.9	561.7	580.0	49.3

Appendix C82.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2024, gillnet (July 6–15; harvest = 278; n = 146). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	12	8.8	5.6	12.1	1.7	12	521.3	509.5	533.0	24.5
0.3	73	53.7	48.2	59.1	3.1	73	557.1	551.1	563.0	30.6
0.4	48	35.3	30.1	40.5	2.9	48	570.3	563.3	577.3	29.3
0.5	3	2.2	0.3	4.1	0.9	3	583.7	565.5	601.9	19.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						10	550.3	518.0	582.6	61.8
Total	136					146	558.6	553.8	563.3	34.8

Appendix C83.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2024, gillnet (July 18–23; harvest = 1,043; n = 320). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	42	14.3	11.3	17.4	1.7	42	516.2	508.1	524.3	31.7
0.3	170	58.0	53.8	62.2	2.4	170	560.9	556.4	565.4	35.5
0.4	81	27.6	23.8	31.5	2.2	81	587.2	581.3	593.2	32.2
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						27	548.9	538.0	559.9	34.4
Total	293					320	560.7	557.0	564.4	40.1

Appendix C84.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 3, 2024, gillnet (July 26–September 5; harvest = 7,996; n = 480). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	93	20.6	17.5	23.8	1.9	93	523.7	519.2	528.2	26.4
0.3	218	48.3	44.5	52.2	2.3	218	563.0	559.9	566.1	27.9
0.4	135	29.9	26.4	33.5	2.1	135	582.7	579.0	586.4	26.0
0.5	5	1.1	0.2	2.0	0.5	5	584.8	563.7	605.9	28.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						29	553.0	543.9	562.0	29.7
Total	451					480	560.5	558.0	563.1	33.9

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

Appendix D1.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 1, 2022, seine (June 11–13; harvest = 16,419; n = 354). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	34.7	30.7	39.2	34.8	2.6	5,704	5,038	6,433	5,715	423
Russia	30.0	25.9	34.2	30.0	2.6	4,921	4,247	5,610	4,927	419
Kotzebue Sound	0.6	0.0	2.8	0.9	1.0	101	0	467	148	165
Coastal Western Alaska	15.7	12.3	19.2	15.7	2.1	2,574	2,020	3,159	2,579	346
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	33	5	19
Northern Alaska Peninsula-east	0.0	0.0	0.5	0.1	0.2	0	0	82	13	37
Northern Alaska Peninsula-west	0.0	0.0	0.3	0.1	0.2	0	0	53	9	28
S. Alaska Pen./West Kodiak Island	1.0	0.0	2.8	1.1	0.9	169	0	457	181	155
Kodiak	0.1	0.0	2.0	0.5	0.7	22	0	326	83	115
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	23	4	12
Prince William Sound	5.5	3.6	8.0	5.6	1.3	900	589	1,309	914	220
Southeast Alaska	1.6	0.2	3.4	1.7	1.0	255	41	566	271	158
British Columbia/Washington	9.5	7.2	12.3	9.6	1.5	1,558	1,178	2,013	1,569	252
								Total	16,419	

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 D2.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 2, 2022, seine (June 15–16; harvest = 41,246; n = 364). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	25.2	21.4	29.1	25.2	2.3	10,381	8,829	11,985	10,384	946
Russia	30.0	25.8	34.1	29.9	2.5	12,368	10,652	14,076	12,345	1,050
Kotzebue Sound	4.6	2.6	7.3	4.7	1.4	1,901	1,067	3,000	1,947	593
Coastal Western Alaska	17.2	13.8	21.0	17.3	2.2	7,103	5,702	8,672	7,136	924
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	95	17	56
Northern Alaska Peninsula-east	0.1	0.0	1.5	0.4	0.5	54	0	606	158	220
Northern Alaska Peninsula-west	0.0	0.0	0.9	0.2	0.4	1	0	362	66	146
S. Alaska Pen./West Kodiak Island	2.1	0.0	5.8	2.3	1.9	855	0	2,413	954	785
Kodiak	4.3	0.0	7.7	4.2	2.1	1,757	12	3,178	1,732	879
Cook Inlet	0.2	0.0	0.8	0.3	0.3	85	8	337	119	116
Prince William Sound	7.4	4.9	10.4	7.5	1.7	3,043	2,019	4,293	3,082	695
Southeast Alaska	0.9	0.2	2.6	1.1	0.8	373	63	1,062	441	314
British Columbia/Washington	6.9	5.0	9.1	6.9	1.3	2,841	2,050	3,763	2,866	532
								Total	41,246	

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 D3.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 3, 2022, seine (June 20–21; harvest = 34,281; n = 363). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	29.1	25.2	33.0	29.1	2.4	9,973	8,643	11,316	9,973	822
Russia	30.3	26.3	34.6	30.3	2.5	10,377	9,018	11,856	10,401	856
Kotzebue Sound	6.1	3.8	9.1	6.2	1.6	2,097	1,304	3,118	2,134	547
Coastal Western Alaska	9.7	6.7	12.8	9.7	1.9	3,333	2,297	4,380	3,328	637
Upper Yukon River	0.2	0.0	1.0	0.3	0.4	85	1	358	119	120
Northern Alaska Peninsula-east	0.0	0.0	0.7	0.1	0.3	0	0	249	39	102
Northern Alaska Peninsula-west	0.8	0.0	1.9	0.8	0.6	263	0	663	288	210
S. Alaska Pen./West Kodiak Island	1.0	0.2	2.8	1.2	0.8	341	78	948	401	271
Kodiak	0.5	0.0	2.6	0.8	0.9	156	0	881	263	311
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	47	8	28
Prince William Sound	4.2	2.5	6.2	4.3	1.1	1,436	873	2,139	1,462	384
Southeast Alaska	0.0	0.0	0.2	0.0	0.1	0	0	52	9	33
British Columbia/Washington	17.0	14.0	20.5	17.1	2.0	5,822	4,794	7,028	5,855	685
								Total	34,281	

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 D4.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 4, 2022, seine (June 25–26; harvest = 75,336; n = 368). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	36.3	32.2	40.4	36.4	2.5	27,383	24,258	30,447	27,391	1,919
Russia	20.4	16.8	24.0	20.5	2.2	15,405	12,689	18,086	15,436	1,653
Kotzebue Sound	4.0	1.9	6.7	4.1	1.5	2,984	1,440	5,059	3,089	1,115
Coastal Western Alaska	12.3	9.3	15.7	12.4	2.0	9,257	6,987	11,848	9,316	1,501
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	87	17	64
Northern Alaska Peninsula-east	0.0	0.0	1.0	0.2	0.4	0	0	739	119	291
Northern Alaska Peninsula-west	0.4	0.0	1.4	0.5	0.5	295	29	1,087	399	357
S. Alaska Pen./West Kodiak Island	0.9	0.0	4.2	1.3	1.4	697	0	3,189	1,008	1,091
Kodiak	5.6	2.4	8.8	5.6	1.9	4,239	1,836	6,604	4,249	1,445
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	75	14	57
Prince William Sound	2.3	0.9	4.2	2.4	1.0	1,698	693	3,178	1,791	759
Southeast Alaska	1.0	0.1	2.9	1.2	0.9	757	85	2,204	903	679
British Columbia/Washington	15.4	12.4	18.5	15.4	1.9	11,590	9,337	13,920	11,603	1,403
								Total	75,336	

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 D5.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2022, gillnet (June 6–28; harvest = 10,729; n = 357). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2.7	1.5	4.4	2.8	0.9	292	160	467	300	93
Russia	20.3	16.9	24.1	20.4	2.2	2,179	1,809	2,591	2,188	239
Kotzebue Sound	1.4	0.0	3.6	1.5	1.1	150	3	389	165	122
Coastal Western Alaska	14.7	11.3	18.4	14.8	2.1	1,582	1,208	1,969	1,585	230
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	17	3	12
Northern Alaska Peninsula-east	0.0	0.0	0.4	0.1	0.3	0	0	41	7	28
Northern Alaska Peninsula-west	0.0	0.0	0.2	0.0	0.2	0	0	23	4	16
S. Alaska Pen./West Kodiak Island	24.9	18.6	30.1	24.8	3.5	2,676	1,998	3,226	2,657	372
Kodiak	1.9	0.7	9.1	3.1	2.7	206	73	972	328	289
Cook Inlet	0.2	0.0	0.9	0.3	0.3	24	2	96	33	31
Prince William Sound	28.7	24.4	33.2	28.8	2.7	3,082	2,622	3,564	3,087	293
Southeast Alaska	1.3	0.4	3.2	1.5	0.9	141	43	344	160	94
British Columbia/Washington	1.9	0.9	3.3	2.0	0.8	205	96	357	213	82
								Total	10,729	

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 D6.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2022, seine (June 11–13; harvest = 24,254; n = 346). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	19.1	15.6	22.6	19.1	2.1	4,624	3,793	5,478	4,631	510
Russia	29.8	25.6	34.1	29.8	2.6	7,219	6,206	8,267	7,225	634
Kotzebue Sound	2.0	0.4	4.4	2.2	1.3	492	96	1,067	527	306
Coastal Western Alaska	24.4	20.1	28.9	24.4	2.6	5,914	4,877	6,998	5,924	639
Upper Yukon River	0.2	0.0	1.0	0.3	0.4	52	0	251	78	88
Northern Alaska Peninsula-east	0.0	0.0	0.5	0.1	0.2	0	0	111	18	58
Northern Alaska Peninsula-west	0.1	0.0	1.2	0.3	0.4	17	0	285	66	107
S. Alaska Pen./West Kodiak Island	3.5	1.2	6.3	3.6	1.6	842	294	1,532	864	377
Kodiak	2.1	0.0	5.1	2.1	1.7	502	0	1,243	521	419
Cook Inlet	0.5	0.1	1.4	0.6	0.4	119	27	341	143	99
Prince William Sound	8.8	6.1	12.0	8.9	1.8	2,125	1,484	2,910	2,150	433
Southeast Alaska	2.8	1.3	4.9	2.9	1.1	678	308	1,195	707	274
British Columbia/Washington	5.7	3.9	7.9	5.8	1.2	1,378	957	1,912	1,398	295
								Total	24,254	

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 D7.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 2, 2022, seine (June 15–18; Harvest = 123,139; n = 344). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	30.3	26.3	34.6	30.3	2.5	37,316	32,437	42,616	37,361	3,094
Russia	28.0	24.1	32.3	28.1	2.5	34,472	29,694	39,718	34,562	3,080
Kotzebue Sound	4.7	1.7	8.6	4.9	2.1	5,764	2,059	10,598	5,993	2,635
Coastal Western Alaska	21.2	16.4	25.9	21.2	2.9	26,091	20,213	31,952	26,080	3,537
Upper Yukon River	0.1	0.0	1.0	0.3	0.4	110	0	1,212	308	450
Northern Alaska Peninsula-east	0.8	0.0	3.0	1.0	1.0	991	0	3,652	1,273	1,222
Northern Alaska Peninsula-west	1.8	0.3	3.6	1.9	1.0	2,194	380	4,402	2,306	1,210
S. Alaska Pen./West Kodiak Island	0.3	0.0	4.5	1.3	1.6	412	0	5,490	1,590	1,994
Kodiak	1.4	0.0	3.7	1.4	1.3	1,697	0	4,539	1,749	1,600
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	186	28	90
Prince William Sound	0.8	0.1	2.2	0.9	0.6	1,011	162	2,703	1,157	796
Southeast Alaska	2.6	1.1	4.5	2.7	1.1	3,247	1,390	5,587	3,345	1,304
British Columbia/Washington	5.9	4.0	8.4	6.0	1.4	7,220	4,943	10,381	7,387	1,689
								Total	123,139	

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 D8.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2022, seine (June 20–23; harvest = 120,443; n = 321). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	40.9	36.5	45.4	40.9	2.8	49,306	43,937	54,728	49,310	3,365
Russia	27.5	23.6	32.2	27.7	2.6	33,148	28,368	38,812	33,305	3,183
Kotzebue Sound	2.0	0.0	4.5	2.0	1.4	2,361	0	5,370	2,432	1,700
Coastal Western Alaska	14.1	10.6	18.1	14.1	2.3	16,932	12,726	21,837	17,040	2,792
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	186	36	129
Northern Alaska Peninsula-east	0.8	0.1	2.5	1.0	0.8	918	160	3,058	1,169	927
Northern Alaska Peninsula-west	2.8	1.2	5.0	2.9	1.2	3,321	1,398	6,014	3,476	1,445
S. Alaska Pen./West Kodiak Island	2.6	0.0	4.9	2.6	1.4	3,088	2	5,889	3,106	1,704
Kodiak	0.0	0.0	1.4	0.2	0.5	1	0	1,672	264	649
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	149	26	89
Prince William Sound	3.5	2.0	5.6	3.6	1.1	4,226	2,382	6,790	4,361	1,336
Southeast Alaska	0.2	0.0	1.3	0.4	0.5	287	0	1,617	477	572
British Columbia/Washington	4.4	2.7	6.6	4.5	1.2	5,278	3,245	7,984	5,443	1,419
								Total	120,443	

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 D9.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2022, seine (June 25–28; harvest = 54,039; n = 343). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	25.2	21.4	29.3	25.3	2.4	13,632	11,578	15,851	13,650	1,297
Russia	35.9	31.4	40.5	35.9	2.8	19,397	16,967	21,887	19,390	1,526
Kotzebue Sound	2.3	0.8	4.6	2.5	1.2	1,253	440	2,476	1,343	636
Coastal Western Alaska	12.2	9.1	15.7	12.2	2.1	6,584	4,892	8,489	6,613	1,116
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	105	17	56
Northern Alaska Peninsula-east	4.5	2.4	7.5	4.7	1.6	2,454	1,282	4,057	2,543	864
Northern Alaska Peninsula-west	3.6	1.8	5.8	3.7	1.2	1,944	995	3,145	1,997	660
S. Alaska Pen./West Kodiak Island	2.7	0.7	5.3	2.8	1.4	1,458	378	2,837	1,513	739
Kodiak	0.0	0.0	0.7	0.1	0.4	0	0	380	62	195
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	93	15	53
Prince William Sound	4.4	2.5	7.0	4.6	1.4	2,388	1,374	3,792	2,459	744
Southeast Alaska	3.9	2.2	6.3	4.0	1.3	2,124	1,173	3,384	2,187	684
British Columbia/Washington	4.1	2.5	5.9	4.2	1.1	2,217	1,370	3,207	2,248	576
								Total	54,039	

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 D10.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2022, gillnet (June 11–13; harvest = 10,797; n = 347). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	6.8	4.8	9.1	6.8	1.3	732	518	987	739	144
Russia	33.7	29.3	38.0	33.7	2.6	3,637	3,163	4,107	3,636	285
Kotzebue Sound	4.1	1.8	7.4	4.3	1.7	446	192	802	465	188
Coastal Western Alaska	33.2	28.5	38.1	33.3	3.0	3,583	3,076	4,117	3,595	319
Upper Yukon River	0.0	0.0	0.4	0.1	0.2	0	0	46	7	21
Northern Alaska Peninsula-east	3.1	1.3	5.8	3.3	1.4	333	137	630	353	151
Northern Alaska Peninsula-west	0.4	0.0	1.7	0.5	0.5	42	0	179	59	58
S. Alaska Pen./West Kodiak Island	6.1	3.6	9.3	6.2	1.7	654	388	1,004	671	186
Kodiak	0.0	0.0	1.4	0.2	0.6	0	0	152	24	63
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	14	2	8
Prince William Sound	3.9	1.9	6.5	4.0	1.4	417	201	705	431	154
Southeast Alaska	3.4	1.5	5.7	3.5	1.3	369	165	616	376	138
British Columbia/Washington	4.0	2.5	5.8	4.1	1.1	428	266	631	438	113
								Total	10,797	

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 D11.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 2, 2022, gillnet (June 15–18; harvest = 15,665; n = 339). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	10.6	8.0	13.5	10.7	1.7	1,655	1,250	2,122	1,672	267
Russia	24.4	20.4	28.7	24.5	2.5	3,823	3,189	4,500	3,830	394
Kotzebue Sound	4.0	2.0	6.7	4.1	1.5	623	314	1,042	646	231
Coastal Western Alaska	39.7	35.1	44.7	39.7	3.0	6,220	5,493	7,007	6,226	470
Upper Yukon River	0.0	0.0	1.2	0.3	0.4	5	0	181	41	69
Northern Alaska Peninsula-east	3.6	1.8	6.0	3.7	1.3	570	276	943	587	200
Northern Alaska Peninsula-west	0.0	0.0	0.3	0.1	0.2	0	0	53	9	27
S. Alaska Pen./West Kodiak Island	4.4	2.1	7.2	4.5	1.5	683	332	1,125	699	241
Kodiak	0.1	0.0	2.3	0.6	0.8	16	0	356	89	130
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	21	4	13
Prince William Sound	5.7	3.6	8.3	5.8	1.4	896	560	1,297	913	219
Southeast Alaska	3.5	1.8	5.9	3.6	1.2	548	277	923	570	194
British Columbia/Washington	2.3	1.2	4.0	2.4	0.9	357	196	631	380	137
								Total	15,665	

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 D12.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2022, gillnet (June 20–23; harvest = 16,302; n = 345). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	10.6	8.0	13.5	10.7	1.7	1,728	1,309	2,198	1,740	272
Russia	29.8	25.8	34.1	29.8	2.5	4,863	4,207	5,566	4,862	409
Kotzebue Sound	7.4	3.2	13.0	7.6	3.1	1,208	521	2,116	1,245	505
Coastal Western Alaska	35.5	29.3	41.8	35.5	3.8	5,792	4,769	6,816	5,791	614
Upper Yukon River	0.6	0.0	1.9	0.7	0.6	97	4	311	120	96
Northern Alaska Peninsula-east	0.4	0.0	1.7	0.6	0.6	72	0	282	97	93
Northern Alaska Peninsula-west	1.4	0.5	2.9	1.5	0.8	233	81	479	252	127
S. Alaska Pen./West Kodiak Island	0.4	0.0	2.9	0.9	1.1	70	0	480	145	174
Kodiak	1.4	0.0	4.1	1.6	1.4	236	0	675	260	227
Cook Inlet	0.2	0.0	0.9	0.3	0.3	37	3	149	52	51
Prince William Sound	4.4	2.5	6.7	4.5	1.3	715	412	1,091	730	210
Southeast Alaska	2.5	1.2	4.4	2.6	1.0	415	198	709	428	158
British Columbia/Washington	3.5	2.1	5.4	3.6	1.0	565	339	880	581	165
								Total	16,302	

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 D13.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2022, gillnet (June 25–28; harvest = 1,487; n = 214). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	11.2	7.9	14.9	11.3	2.2	166	118	222	168	32
Russia	24.4	19.5	29.9	24.5	3.1	364	290	445	365	47
Kotzebue Sound	4.9	2.3	8.4	5.0	1.9	73	35	124	75	28
Coastal Western Alaska	19.3	14.2	25.3	19.4	3.4	287	211	376	289	50
Upper Yukon River	0.0	0.0	0.3	0.0	0.2	0	0	4	1	2
Northern Alaska Peninsula-east	7.2	2.9	11.8	7.2	2.7	106	43	176	108	40
Northern Alaska Peninsula-west	5.5	2.5	9.5	5.7	2.1	81	37	142	84	32
S. Alaska Pen./West Kodiak Island	5.7	0.5	10.2	5.6	2.8	84	7	151	84	42
Kodiak	0.5	0.0	3.2	0.9	1.2	7	1	48	13	17
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	3	0	2
Prince William Sound	16.6	12.2	21.7	16.7	2.9	247	181	323	248	43
Southeast Alaska	0.3	0.0	2.9	0.8	1.0	5	0	43	11	15
British Columbia/Washington	2.5	1.1	5.1	2.7	1.3	37	16	75	41	19
								Total	1,487	

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 D14.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2022, seine (July 6–14; harvest = 32,704; n = 369). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	14.4	11.5	17.4	14.4	1.8	4,704	3,770	5,687	4,709	589
Russia	7.9	5.6	10.6	8.0	1.5	2,584	1,838	3,459	2,609	482
Kotzebue Sound	0.0	0.0	0.4	0.1	0.2	0	0	140	21	60
Coastal Western Alaska	3.9	2.4	5.9	4.0	1.1	1,276	784	1,933	1,310	350
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	53	8	28
Northern Alaska Peninsula-east	0.7	0.1	1.9	0.8	0.6	216	31	631	255	189
Northern Alaska Peninsula-west	1.1	0.0	2.7	1.2	0.8	357	14	883	398	257
S. Alaska Pen./West Kodiak Island	30.0	24.2	36.4	30.1	3.8	9,803	7,907	11,920	9,831	1,251
Kodiak	11.3	5.7	17.2	11.3	3.5	3,683	1,874	5,613	3,705	1,131
Cook Inlet	1.3	0.5	2.5	1.4	0.6	425	173	820	454	199
Prince William Sound	0.9	0.0	3.0	1.1	1.0	309	0	968	368	331
Southeast Alaska	0.0	0.0	0.4	0.1	0.2	0	0	127	21	68
British Columbia/Washington	27.5	23.9	31.4	27.6	2.3	8,995	7,813	10,264	9,015	742
								Total	32,704	

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 D15.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2022, seine (July 15–21; harvest = 36,682; n = 353). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	9.0	6.5	11.8	9.1	1.5	3,293	2,396	4,311	3,322	569
Russia	5.5	3.6	8.0	5.6	1.3	2,028	1,335	2,918	2,058	484
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	57	10	34
Coastal Western Alaska	0.7	0.2	1.9	0.8	0.5	268	77	680	307	187
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	71	12	41
Northern Alaska Peninsula-east	0.0	0.0	0.4	0.1	0.2	0	0	154	26	86
Northern Alaska Peninsula-west	0.0	0.0	0.7	0.1	0.3	0	0	260	41	127
S. Alaska Pen./West Kodiak Island	33.0	27.3	38.3	32.9	3.4	12,119	10,025	14,056	12,080	1,233
Kodiak	0.9	0.1	6.9	2.0	2.3	328	54	2,526	723	826
Cook Inlet	1.0	0.4	2.2	1.2	0.6	380	150	817	424	213
Prince William Sound	6.2	3.7	9.3	6.3	1.7	2,266	1,355	3,406	2,310	628
Southeast Alaska	1.2	0.0	3.0	1.4	0.9	456	15	1,106	504	334
British Columbia/Washington	40.6	36.1	45.0	40.5	2.7	14,886	13,238	16,500	14,867	977
								Total	36,682	

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 D16.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2022, seine (July 22–31; harvest = 56,716; n = 354). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	4.2	2.6	6.1	4.2	1.1	2,357	1,495	3,483	2,404	604
Russia	1.8	0.8	3.4	1.9	0.8	1,041	446	1,923	1,086	452
Kotzebue Sound	0.1	0.0	1.1	0.3	0.4	41	0	630	154	226
Coastal Western Alaska	0.2	0.0	1.4	0.4	0.5	120	0	794	224	276
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	73	14	54
Northern Alaska Peninsula-east	0.0	0.0	1.7	0.4	0.6	20	0	971	227	350
Northern Alaska Peninsula-west	1.3	0.0	4.7	1.7	1.6	757	0	2,651	975	880
S. Alaska Pen./West Kodiak Island	44.3	27.8	54.2	42.3	8.8	25,128	15,762	30,724	23,999	4,985
Kodiak	5.8	0.1	22.3	8.4	8.2	3,299	36	12,644	4,738	4,625
Cook Inlet	4.2	2.7	6.2	4.3	1.1	2,364	1,511	3,520	2,417	613
Prince William Sound	4.0	2.0	6.5	4.1	1.4	2,264	1,111	3,661	2,311	781
Southeast Alaska	0.0	0.0	3.8	0.7	1.3	15	0	2,172	419	752
British Columbia/Washington	31.3	26.7	35.8	31.3	2.8	17,761	15,135	20,310	17,748	1,583
								Total	56,716	

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 D17.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2022, gillnet (July 6–17; harvest = 4,092; n = 329). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.5	0.1	1.4	0.6	0.4	22	5	58	25	17
Russia	0.4	0.0	1.3	0.5	0.4	16	0	55	20	18
Kotzebue Sound	0.8	0.2	2.0	0.9	0.6	34	8	82	38	23
Coastal Western Alaska	0.5	0.1	1.6	0.6	0.5	21	3	66	26	20
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	5	1	4
Northern Alaska Peninsula-east	0.0	0.0	1.3	0.2	0.6	0	0	52	8	24
Northern Alaska Peninsula-west	0.5	0.0	2.2	0.7	0.7	20	0	90	28	31
S. Alaska Pen./West Kodiak Island	46.5	36.8	56.8	46.5	6.1	1,905	1,506	2,325	1,904	250
Kodiak	33.4	23.4	43.3	33.3	6.2	1,365	958	1,772	1,365	253
Cook Inlet	2.9	1.6	4.8	3.0	1.0	120	67	196	124	40
Prince William Sound	11.4	7.9	15.8	11.6	2.4	468	324	645	474	97
Southeast Alaska	0.0	0.0	0.7	0.1	0.3	0	0	27	4	13
British Columbia/Washington	1.8	0.8	3.1	1.8	0.7	72	33	128	75	30
								Total	4,092	

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 D18.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2022, gillnet (July 18–25; Harvest = 4,833; n = 355). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.5	0.1	1.3	0.6	0.4	23	5	65	28	19
Russia	0.8	0.1	2.1	0.9	0.6	37	6	99	42	29
Kotzebue Sound	0.0	0.0	0.8	0.2	0.3	0	0	37	8	15
Coastal Western Alaska	0.6	0.0	1.8	0.7	0.5	28	1	85	34	26
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	6	1	4
Northern Alaska Peninsula-east	0.0	0.0	1.0	0.1	0.5	0	0	47	7	23
Northern Alaska Peninsula-west	0.0	0.0	0.9	0.2	0.4	0	0	44	7	18
S. Alaska Pen./West Kodiak Island	54.9	44.1	68.7	55.5	7.3	2,653	2,130	3,321	2,681	352
Kodiak	24.5	10.9	35.9	24.1	7.5	1,182	528	1,737	1,165	364
Cook Inlet	7.4	5.4	9.8	7.5	1.4	360	262	473	362	67
Prince William Sound	8.5	5.2	12.2	8.6	2.2	412	249	588	416	104
Southeast Alaska	0.0	0.0	1.8	0.3	0.7	0	0	89	15	33
British Columbia/Washington	1.3	0.5	2.5	1.4	0.6	64	27	122	68	30
								Total	4,833	

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 D19.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2022, gillnet (July 26–31; harvest = 5,189; n = 308). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.2	0.0	1.0	0.3	0.3	13	1	50	18	17
Russia	0.6	0.1	1.7	0.7	0.5	30	4	90	37	28
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	8	1	4
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	0	0	8	1	5
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	7	1	5
Northern Alaska Peninsula-east	0.0	0.0	0.5	0.1	0.3	0	0	25	4	17
Northern Alaska Peninsula-west	0.0	0.0	1.0	0.2	0.5	0	0	52	8	27
S. Alaska Pen./West Kodiak Island	67.3	53.6	75.3	65.9	7.0	3,492	2,782	3,907	3,420	363
Kodiak	4.3	0.0	17.7	6.0	6.4	222	0	918	312	333
Cook Inlet	11.6	8.7	14.8	11.7	1.9	602	452	770	605	96
Prince William Sound	11.6	7.6	15.9	11.6	2.5	601	394	824	602	130
Southeast Alaska	0.0	0.0	0.9	0.2	0.4	0	0	49	8	20
British Columbia/Washington	3.2	1.9	5.1	3.3	1.0	167	98	264	171	51
								Total	5,189	

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 D20.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2022, seine (July 6–7; harvest = 30,008; n = 246). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	18.6	14.7	22.9	18.7	2.5	5,582	4,408	6,871	5,599	758
Russia	18.7	14.7	23.6	18.9	2.7	5,626	4,410	7,075	5,675	820
Kotzebue Sound	5.4	2.8	9.6	5.7	2.1	1,614	836	2,892	1,707	634
Coastal Western Alaska	13.9	9.4	18.8	13.9	2.9	4,157	2,807	5,632	4,173	879
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	59	11	41
Northern Alaska Peninsula-east	3.4	0.8	8.5	3.8	2.4	1,014	231	2,564	1,153	727
Northern Alaska Peninsula-west	7.0	4.1	10.3	7.0	1.9	2,101	1,226	3,087	2,113	567
S. Alaska Pen./West Kodiak Island	5.2	1.5	9.9	5.4	2.5	1,552	456	2,969	1,624	758
Kodiak	4.2	0.4	8.1	4.2	2.2	1,246	123	2,433	1,274	675
Cook Inlet	0.1	0.0	1.0	0.2	0.4	20	0	314	73	114
Prince William Sound	2.7	1.0	5.4	2.9	1.4	810	296	1,626	865	416
Southeast Alaska	0.2	0.0	1.4	0.4	0.5	53	0	424	113	154
British Columbia/Washington	18.7	14.8	23.1	18.8	2.5	5,603	4,430	6,939	5,627	759
								Total	30,008	

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 D21.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2022, seine (July 8–31; harvest = 12,708; n = 322). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	8.6	6.3	11.5	8.7	1.6	1,093	798	1,461	1,105	201
Russia	7.2	4.8	10.2	7.3	1.6	909	609	1,300	926	209
Kotzebue Sound	1.4	0.0	3.5	1.5	1.0	182	0	444	197	133
Coastal Western Alaska	7.4	4.8	10.6	7.5	1.7	945	614	1,349	955	222
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	19	3	11
Northern Alaska Peninsula-east	0.9	0.0	3.2	1.1	1.0	119	0	402	140	130
Northern Alaska Peninsula-west	5.0	2.9	7.7	5.1	1.5	634	365	982	649	187
S. Alaska Pen./West Kodiak Island	35.8	27.9	43.9	35.8	4.8	4,551	3,545	5,574	4,554	613
Kodiak	15.8	8.8	23.3	15.8	4.4	2,005	1,122	2,963	2,013	557
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	20	3	12
Prince William Sound	5.6	2.8	9.2	5.7	2.0	711	352	1,164	725	250
Southeast Alaska	0.8	0.0	3.4	1.1	1.1	104	6	432	145	139
British Columbia/Washington	10.1	7.5	13.1	10.2	1.7	1,280	958	1,669	1,293	217
								Total	12,708	

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 D22.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2022, gillnet (July 6–24; harvest = 2,027; n = 226). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.8	0.2	2.3	0.9	0.7	16	3	46	19	14
Russia	3.1	1.5	5.6	3.3	1.2	64	31	114	67	25
Kotzebue Sound	0.0	0.0	0.3	0.1	0.2	0	0	7	1	4
Coastal Western Alaska	1.3	0.3	3.0	1.4	0.9	26	6	61	29	18
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	4	1	3
Northern Alaska Peninsula-east	1.5	0.1	6.0	2.0	1.9	30	2	121	40	38
Northern Alaska Peninsula-west	7.3	2.4	13.5	7.5	3.4	148	50	273	153	69
S. Alaska Pen./West Kodiak Island	45.3	35.3	55.8	45.4	6.4	918	715	1,132	920	130
Kodiak	18.9	10.6	28.5	19.1	5.4	384	214	578	387	110
Cook Inlet	3.9	2.1	6.2	4.0	1.3	79	43	126	81	26
Prince William Sound	14.2	9.6	19.8	14.4	3.1	288	194	400	291	62
Southeast Alaska	0.0	0.0	1.1	0.2	0.5	0	0	22	3	9
British Columbia/Washington	1.7	0.6	3.6	1.8	0.9	34	13	72	37	18
								Total	2,027	

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 D23.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2022, gillnet (July 25–31; harvest = 3,812; n = 334). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.8	0.3	1.9	0.9	0.5	31	10	73	35	20
Russia	0.6	0.1	1.9	0.8	0.6	25	3	71	29	22
Kotzebue Sound	0.0	0.0	0.3	0.1	0.2	0	0	13	2	7
Coastal Western Alaska	0.8	0.2	1.9	0.9	0.6	30	6	73	33	21
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	5	1	3
Northern Alaska Peninsula-east	0.0	0.0	0.9	0.2	0.5	0	0	34	6	20
Northern Alaska Peninsula-west	8.7	4.6	13.1	8.8	2.6	333	175	500	337	99
S. Alaska Pen./West Kodiak Island	65.4	56.4	74.2	65.4	5.4	2,494	2,151	2,829	2,493	206
Kodiak	15.8	8.0	24.6	16.0	5.1	604	304	939	610	194
Cook Inlet	0.5	0.1	1.5	0.6	0.4	20	5	57	24	17
Prince William Sound	3.9	1.7	6.5	4.0	1.5	147	65	249	151	57
Southeast Alaska	0.0	0.0	2.7	0.6	1.0	1	0	103	21	36
British Columbia/Washington	1.7	0.8	3.2	1.8	0.7	65	31	121	70	28
								Total	3,812	

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 D24.–Southeastern and South Central Districts, South Alaska Peninsula area, August stratum 1, 2022, seine (August 1–17; harvest = 35,706; n = 355). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.9	0.9	3.3	2.0	0.7	669	328	1,176	698	256
Russia	0.0	0.0	0.1	0.0	0.1	0	0	51	9	31
Kotzebue Sound	0.0	0.0	0.6	0.1	0.2	1	0	209	40	79
Coastal Western Alaska	0.1	0.0	0.8	0.2	0.3	37	0	280	74	98
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	49	8	25
Northern Alaska Peninsula-east	0.0	0.0	1.9	0.3	0.7	0	0	677	97	253
Northern Alaska Peninsula-west	0.0	0.0	0.4	0.1	0.3	0	0	157	29	120
S. Alaska Pen./West Kodiak Island	38.3	30.3	47.4	38.5	5.2	13,683	10,816	16,921	13,759	1,854
Kodiak	55.7	46.8	63.7	55.4	5.1	19,889	16,708	22,734	19,798	1,829
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	46	8	24
Prince William Sound	0.0	0.0	0.7	0.1	0.3	0	0	258	40	113
Southeast Alaska	0.0	0.0	1.0	0.2	0.4	0	0	343	59	142
British Columbia/Washington	3.0	1.7	4.8	3.0	1.0	1,060	598	1,706	1,087	340
								Total	35,706	

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 D25.–Southeastern and South Central Districts, South Alaska Peninsula area, August stratum 2, 2022, seine (August 18–31; harvest = 9,793; n = 279). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.3	0.5	2.8	1.5	0.7	132	51	275	143	69
Russia	0.0	0.0	0.2	0.0	0.1	0	0	16	3	10
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	19	3	12
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	0	0	16	3	10
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	13	2	9
Northern Alaska Peninsula-east	0.0	0.0	0.2	0.0	0.2	0	0	23	4	16
Northern Alaska Peninsula-west	0.0	0.0	1.2	0.2	0.5	0	0	115	19	53
S. Alaska Pen./West Kodiak Island	69.0	58.6	77.8	68.7	5.8	6,753	5,736	7,618	6,732	572
Kodiak	21.1	12.7	31.4	21.4	5.7	2,068	1,241	3,078	2,094	555
Cook Inlet	0.3	0.0	1.2	0.4	0.4	29	2	117	41	39
Prince William Sound	5.2	2.6	8.5	5.3	1.8	505	257	832	521	174
Southeast Alaska	0.4	0.0	2.3	0.7	0.8	41	0	227	68	80
British Columbia/Washington	1.5	0.4	3.4	1.6	0.9	144	44	330	159	89
								Total	9,793	

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 D26.–Unimak and Southwestern Districts, South Alaska Peninsula area, August stratum 1, 2022, seine (August 15–16; harvest = 18,807; n = 183). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	46	8	29
Russia	0.0	0.0	0.3	0.1	0.2	0	0	59	11	40
Kotzebue Sound	0.0	0.0	0.2	0.0	0.2	0	0	46	8	32
Coastal Western Alaska	0.0	0.0	0.3	0.0	0.2	0	0	56	9	31
Upper Yukon River	0.0	0.0	0.2	0.0	0.2	0	0	44	8	30
Northern Alaska Peninsula-east	0.0	0.0	0.6	0.1	0.4	0	0	122	22	81
Northern Alaska Peninsula-west	0.0	0.0	0.5	0.1	0.3	0	0	102	17	62
S. Alaska Pen./West Kodiak Island	88.9	77.2	99.2	88.7	6.8	16,718	14,528	18,650	16,684	1,281
Kodiak	9.7	0.0	21.6	10.0	6.8	1,825	0	4,058	1,873	1,276
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	44	8	28
Prince William Sound	0.0	0.0	1.1	0.2	0.5	0	0	206	33	92
Southeast Alaska	0.0	0.0	0.5	0.1	0.3	0	0	98	17	60
British Columbia/Washington	0.4	0.0	1.7	0.6	0.6	79	7	310	109	105
								Total	18,807	

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 D27.–Unimak and Southwestern Districts, South Alaska Peninsula area, August stratum 2, 2022, seine (August 17–31; harvest = 10,017; n = 312). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	0.1	0.0	0.1	0	0	13	2	10
Russia	0.0	0.0	0.2	0.0	0.1	0	0	24	4	14
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	17	3	10
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	0	0	16	3	9
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	19	3	11
Northern Alaska Peninsula-east	0.0	0.0	0.6	0.1	0.4	0	0	56	11	40
Northern Alaska Peninsula-west	14.3	10.7	19.1	14.5	2.5	1,435	1,076	1,909	1,455	255
S. Alaska Pen./West Kodiak Island	83.4	77.2	87.4	83.0	3.2	8,357	7,738	8,751	8,314	319
Kodiak	0.0	0.0	5.0	0.7	1.8	0	0	501	75	183
Cook Inlet	0.9	0.3	2.1	1.0	0.6	88	28	209	99	56
Prince William Sound	0.3	0.0	1.4	0.4	0.5	27	0	143	43	49
Southeast Alaska	0.0	0.0	0.2	0.0	0.1	0	0	19	3	11
British Columbia/Washington	0.0	0.0	0.2	0.0	0.1	0	0	16	3	10
								Total	10,017	

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 D28.–South Alaska Peninsula area, August 2022, gillnet (August 1–31; harvest = 7,048; n = 397). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	0.1	0.0	0.1	0	0	8	1	5
Russia	0.0	0.0	0.7	0.1	0.3	0	0	51	9	19
Kotzebue Sound	0.0	0.0	0.1	0.0	0.1	0	0	6	1	4
Coastal Western Alaska	0.0	0.0	0.1	0.0	0.1	0	0	7	1	4
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	9	1	5
Northern Alaska Peninsula-east	0.0	0.0	0.5	0.1	0.4	0	0	36	6	27
Northern Alaska Peninsula-west	0.0	0.0	0.5	0.1	0.3	0	0	35	6	19
S. Alaska Pen./West Kodiak Island	83.0	71.3	95.9	83.0	7.0	5,850	5,027	6,761	5,851	490
Kodiak	14.0	0.1	25.5	13.9	7.0	990	7	1,795	983	490
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	10	2	5
Prince William Sound	2.1	0.9	4.0	2.2	1.0	147	63	283	157	67
Southeast Alaska	0.0	0.0	0.2	0.0	0.1	0	0	16	3	8
British Columbia/Washington	0.3	0.0	1.1	0.4	0.3	19	2	75	26	24
								Total	7,048	

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 D29.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 1, 2023, seine (June 10–13; harvest = 6,338; n = 374). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	30.1	26.3	34.2	30.1	2.4	1,905	1,665	2,167	1,909	154
Russia	19.8	16.3	23.4	19.8	2.2	1,254	1,034	1,483	1,255	138
Kotzebue Sound	0.2	0.0	2.1	0.5	0.7	12	0	132	34	46
Coastal Western Alaska	31.8	27.8	36.2	31.9	2.6	2,016	1,761	2,294	2,020	162
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	12	2	7
Northern Alaska Peninsula-east	0.0	0.0	0.3	0.1	0.2	0	0	19	3	12
Northern Alaska Peninsula-west	0.0	0.0	0.1	0.0	0.1	0	0	8	1	5
S. Alaska Pen./West Kodiak Island	1.7	0.3	3.6	1.8	1.0	111	20	225	116	62
Kodiak	0.0	0.0	1.6	0.3	0.6	1	0	100	18	35
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	7	1	5
Prince William Sound	9.0	6.6	11.8	9.0	1.6	567	417	745	572	99
Southeast Alaska	1.2	0.4	2.6	1.3	0.7	75	23	165	83	45
British Columbia/Washington	5.0	3.3	7.2	5.1	1.2	320	210	458	323	74
								Total	6,338	

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 D30.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 2, 2023, seine (June 16–18; harvest = 17,906; n = 377). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	31.1	27.4	35.0	31.2	2.3	5,568	4,908	6,275	5,579	420
Russia	18.4	15.1	21.9	18.5	2.1	3,296	2,706	3,927	3,304	378
Kotzebue Sound	2.8	0.8	5.5	3.0	1.4	500	149	993	528	259
Coastal Western Alaska	28.6	24.2	32.7	28.5	2.6	5,114	4,332	5,862	5,109	467
Upper Yukon River	0.0	0.0	0.2	0.0	0.2	0	0	39	7	28
Northern Alaska Peninsula-east	1.5	0.4	3.1	1.6	0.9	273	75	561	291	155
Northern Alaska Peninsula-west	0.0	0.0	0.2	0.0	0.1	0	0	35	6	25
S. Alaska Pen./West Kodiak Island	1.7	0.2	3.7	1.8	1.0	312	40	655	326	183
Kodiak	0.0	0.0	1.4	0.2	0.5	0	0	255	43	96
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	21	4	16
Prince William Sound	5.0	3.2	7.4	5.1	1.3	903	580	1,327	914	228
Southeast Alaska	1.6	0.6	3.0	1.7	0.8	288	111	545	302	136
British Columbia/Washington	8.3	6.1	10.9	8.3	1.4	1,483	1,096	1,947	1,492	259
								Total	17,906	

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 D31.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 3, 2023, seine (June 20–23; harvest = 32,203; n = 374). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock Composition					Stock-specific Harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	29.9	26.0	33.9	30.0	2.4	9,627	8,362	10,918	9,648	768
Russia	24.1	20.2	28.3	24.1	2.4	7,745	6,501	9,099	7,769	780
Kotzebue Sound	3.5	1.7	6.1	3.6	1.4	1,125	551	1,976	1,175	442
Coastal Western Alaska	25.3	21.1	29.8	25.4	2.7	8,151	6,785	9,583	8,168	858
Upper Yukon River	0.0	0.0	0.3	0.1	0.2	0	0	103	18	57
Northern Alaska Peninsula-east	2.0	0.7	3.8	2.0	0.9	630	224	1,212	660	305
Northern Alaska Peninsula-west	0.0	0.0	0.6	0.1	0.2	0	0	191	29	73
S. Alaska Pen./West Kodiak Island	0.2	0.0	2.5	0.6	0.9	70	0	798	184	289
Kodiak	4.5	1.8	7.0	4.5	1.5	1,460	581	2,249	1,452	498
Cook Inlet	0.2	0.0	0.9	0.3	0.3	64	5	289	94	95
Prince William Sound	3.6	2.1	5.8	3.7	1.1	1,156	662	1,854	1,194	367
Southeast Alaska	0.0	0.0	1.1	0.2	0.4	3	0	359	75	132
British Columbia/Washington	5.3	3.6	7.5	5.4	1.2	1,712	1,163	2,404	1,736	373
								Total	32,203	

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 D32.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 4, 2023, seine (June 25–28; harvest = 36,566; n = 372). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	21.1	17.7	24.8	21.1	2.1	7,700	6,482	9,057	7,733	785
Russia	13.3	10.4	16.6	13.4	1.9	4,857	3,809	6,064	4,896	687
Kotzebue Sound	0.3	0.0	2.4	0.7	0.9	126	0	890	251	314
Coastal Western Alaska	15.3	11.9	18.7	15.3	2.1	5,605	4,367	6,834	5,611	753
Upper Yukon River	0.3	0.0	1.4	0.4	0.5	100	0	506	159	180
Northern Alaska Peninsula-east	0.0	0.0	1.6	0.3	0.6	1	0	581	99	211
Northern Alaska Peninsula-west	1.7	0.6	3.6	1.9	0.9	625	225	1,319	684	338
S. Alaska Pen./West Kodiak Island	18.4	13.8	22.9	18.4	2.7	6,721	5,061	8,376	6,719	991
Kodiak	2.6	1.1	7.2	3.2	1.9	964	418	2,615	1,181	707
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	37	8	29
Prince William Sound	12.6	9.4	16.3	12.7	2.1	4,610	3,425	5,975	4,648	779
Southeast Alaska	3.5	1.6	6.1	3.6	1.4	1,284	594	2,245	1,331	516
British Columbia/Washington	8.9	6.6	11.3	8.9	1.5	3,236	2,402	4,146	3,246	534
								Total	36,566	

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 D33.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2023, gillnet (June 6–28; harvest = 10,146; n = 368). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.7	0.8	3.1	1.8	0.7	176	86	312	186	71
Russia	13.6	10.8	17.2	13.8	1.9	1,384	1,093	1,740	1,396	196
Kotzebue Sound	0.0	0.0	2.0	0.4	0.7	0	0	204	37	73
Coastal Western Alaska	27.5	23.5	31.8	27.5	2.5	2,788	2,384	3,223	2,794	252
Upper Yukon River	0.2	0.0	1.8	0.5	0.6	21	0	181	50	65
Northern Alaska Peninsula-east	0.0	0.0	0.6	0.1	0.2	0	0	60	9	25
Northern Alaska Peninsula-west	0.0	0.0	0.2	0.0	0.1	0	0	19	3	9
S. Alaska Pen./West Kodiak Island	13.3	8.8	19.3	13.6	3.3	1,346	889	1,954	1,380	330
Kodiak	5.8	1.7	10.0	5.7	2.6	590	176	1,015	583	265
Cook Inlet	0.2	0.0	0.9	0.3	0.3	20	2	89	28	28
Prince William Sound	33.1	28.5	38.0	33.2	2.9	3,360	2,895	3,852	3,369	295
Southeast Alaska	2.9	1.2	5.3	3.0	1.3	293	120	535	307	129
British Columbia/Washington	0.0	0.0	0.2	0.0	0.1	0	0	23	4	15
								Total	10,146	

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 D34.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2023, seine (June 10–13; harvest = 6,354; n = 370). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	24.9	21.4	28.7	25.0	2.2	1,585	1,359	1,826	1,589	142
Russia	12.7	9.8	15.9	12.7	1.8	804	623	1,008	808	116
Kotzebue Sound	1.8	0.0	4.1	1.9	1.3	114	2	260	123	81
Coastal Western Alaska	36.3	32.0	41.1	36.4	2.7	2,309	2,035	2,609	2,312	174
Upper Yukon River	0.0	0.0	0.7	0.1	0.3	0	0	47	7	18
Northern Alaska Peninsula-east	0.0	0.0	0.5	0.1	0.2	0	0	30	5	16
Northern Alaska Peninsula-west	0.9	0.2	2.2	1.0	0.6	59	14	139	66	40
S. Alaska Pen./West Kodiak Island	0.0	0.0	1.6	0.3	0.6	0	0	100	21	37
Kodiak	1.3	0.0	3.4	1.4	1.1	84	0	218	88	72
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	8	1	5
Prince William Sound	4.9	3.0	7.2	5.0	1.3	313	193	460	318	82
Southeast Alaska	2.3	1.1	4.1	2.4	0.9	148	69	258	153	57
British Columbia/Washington	13.5	10.7	16.7	13.6	1.8	857	683	1,060	862	115
								Total	6,354	

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 D35.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 2, 2023, seine (June 16–18; harvest = 39,070; n = 370). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	32.2	28.2	36.1	32.2	2.4	12,583	11,006	14,117	12,561	942
Russia	17.1	13.9	20.7	17.2	2.0	6,693	5,417	8,086	6,717	800
Kotzebue Sound	0.0	0.0	2.9	0.7	1.1	12	0	1,135	262	417
Coastal Western Alaska	33.6	29.0	37.9	33.6	2.7	13,122	11,317	14,799	13,116	1,071
Upper Yukon River	0.8	0.2	2.1	0.9	0.6	304	65	835	357	251
Northern Alaska Peninsula-east	0.5	0.0	2.6	0.8	0.9	202	0	1,006	306	348
Northern Alaska Peninsula-west	0.6	0.0	2.7	0.9	0.9	252	0	1,058	353	354
S. Alaska Pen./West Kodiak Island	0.0	0.0	1.4	0.3	0.5	2	0	544	108	208
Kodiak	0.2	0.0	2.9	0.8	1.0	80	0	1,131	294	398
Cook Inlet	0.0	0.0	0.3	0.0	0.1	0	0	105	16	50
Prince William Sound	3.6	2.1	5.4	3.6	1.0	1,390	816	2,125	1,425	406
Southeast Alaska	0.1	0.0	1.0	0.2	0.4	21	0	401	91	143
British Columbia/Washington	8.8	6.6	11.3	8.9	1.5	3,445	2,575	4,421	3,463	570
								Total	39,070	

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 D36.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2023, seine (June 20–23; harvest = 22,635; n = 357). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	16.5	13.5	19.9	16.5	2.0	3,724	3,046	4,494	3,736	442
Russia	18.9	15.4	22.6	19.0	2.2	4,281	3,475	5,121	4,295	496
Kotzebue Sound	0.7	0.0	3.1	1.0	1.1	156	0	710	226	249
Coastal Western Alaska	38.3	33.5	42.9	38.3	2.8	8,677	7,581	9,701	8,670	640
Upper Yukon River	0.0	0.0	1.6	0.3	0.6	0	0	363	63	138
Northern Alaska Peninsula-east	0.9	0.0	2.5	1.1	0.8	213	3	566	243	170
Northern Alaska Peninsula-west	4.2	2.2	6.8	4.3	1.4	951	498	1,548	976	319
S. Alaska Pen./West Kodiak Island	0.0	0.0	1.4	0.2	0.6	0	0	319	50	129
Kodiak	2.1	0.0	5.0	2.2	1.6	474	0	1,130	490	368
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	33	6	19
Prince William Sound	7.4	5.1	10.5	7.5	1.6	1,678	1,146	2,370	1,707	359
Southeast Alaska	3.0	1.5	5.2	3.2	1.2	686	347	1,188	713	260
British Columbia/Washington	6.4	4.4	8.8	6.4	1.3	1,442	992	1,982	1,460	303
								Total	22,635	

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 D37.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2023, seine (June 25–28; harvest = 4,294; n = 358). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	17.7	14.5	21.2	17.7	2.0	759	623	908	762	87
Russia	22.2	18.6	26.2	22.4	2.3	954	800	1,126	960	101
Kotzebue Sound	2.3	0.0	5.2	2.3	1.6	99	0	222	101	70
Coastal Western Alaska	21.6	17.4	26.4	21.8	2.7	929	748	1,132	935	118
Upper Yukon River	0.2	0.0	1.5	0.4	0.5	10	0	63	18	22
Northern Alaska Peninsula-east	3.7	1.4	6.6	3.8	1.6	158	59	283	163	70
Northern Alaska Peninsula-west	5.8	3.3	8.8	5.9	1.7	248	143	379	252	72
S. Alaska Pen./West Kodiak Island	3.4	0.3	6.6	3.4	1.9	144	13	281	147	80
Kodiak	0.1	0.0	3.3	0.7	1.2	3	0	142	30	51
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	5	1	3
Prince William Sound	6.7	4.4	9.4	6.8	1.5	287	188	402	290	63
Southeast Alaska	2.2	0.9	4.1	2.3	1.0	95	40	175	100	41
British Columbia/Washington	12.4	9.7	15.4	12.4	1.8	532	415	662	535	76
								Total	4,294	

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 D38.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2023, gillnet (June 10–13; harvest = 5,116; n = 361). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2.4	1.3	4.0	2.5	0.8	124	69	205	128	42
Russia	7.8	5.5	10.4	7.8	1.5	397	281	531	401	76
Kotzebue Sound	0.2	0.0	3.1	0.7	1.2	8	0	158	37	61
Coastal Western Alaska	32.2	27.6	36.8	32.2	2.8	1,649	1,411	1,882	1,650	141
Upper Yukon River	0.0	0.0	0.9	0.2	0.3	0	0	47	9	18
Northern Alaska Peninsula-east	0.8	0.1	2.6	1.0	0.8	41	7	131	51	40
Northern Alaska Peninsula-west	1.3	0.1	3.2	1.4	1.0	64	4	164	72	50
S. Alaska Pen./West Kodiak Island	1.9	0.0	6.2	2.4	2.1	99	0	315	123	108
Kodiak	2.0	0.0	6.0	2.2	2.1	103	0	308	114	109
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	6	1	5
Prince William Sound	36.0	31.5	40.5	36.1	2.8	1,842	1,611	2,074	1,845	141
Southeast Alaska	7.3	4.8	10.3	7.4	1.7	373	246	527	378	86
British Columbia/Washington	5.9	4.0	8.2	6.0	1.3	304	202	422	307	66
								Total	5,116	

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 D39.–Unimak and Southwestern districts, South Alaska Peninsula area, June stratum 2, 2023, gillnet (June 15–18; harvest = 19,685; n = 364). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	8.6	6.4	11.2	8.7	1.5	1,695	1,267	2,198	1,705	288
Russia	16.6	13.4	20.1	16.7	2.0	3,262	2,639	3,964	3,284	401
Kotzebue Sound	0.5	0.0	4.0	1.0	1.3	91	0	782	206	262
Coastal Western Alaska	32.4	27.7	37.6	32.5	3.0	6,384	5,452	7,394	6,402	591
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	31	6	23
Northern Alaska Peninsula-east	1.9	0.0	4.7	2.0	1.5	366	0	934	384	302
Northern Alaska Peninsula-west	0.8	0.0	2.5	1.0	0.8	160	0	493	191	156
S. Alaska Pen./West Kodiak Island	5.2	2.3	8.4	5.3	1.9	1,031	453	1,660	1,035	375
Kodiak	0.3	0.0	2.8	0.7	1.1	60	5	551	132	217
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	23	4	15
Prince William Sound	13.6	10.6	17.3	13.7	2.0	2,678	2,094	3,400	2,699	401
Southeast Alaska	12.1	9.2	15.4	12.2	1.9	2,388	1,809	3,026	2,402	379
British Columbia/Washington	6.2	4.3	8.5	6.3	1.3	1,223	853	1,669	1,235	251
								Total	19,685	

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 D40.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2023, gillnet (June 20–23; harvest = 3,184; n = 319). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2.7	1.5	4.5	2.8	0.9	87	47	145	90	30
Russia	15.7	12.3	19.4	15.7	2.1	501	391	617	501	68
Kotzebue Sound	0.0	0.0	1.3	0.2	0.5	0	0	41	6	17
Coastal Western Alaska	37.3	32.7	42.1	37.4	2.9	1,187	1,042	1,340	1,190	91
Upper Yukon River	0.0	0.0	0.5	0.1	0.2	0	0	15	2	8
Northern Alaska Peninsula-east	0.0	0.0	1.1	0.2	0.4	0	0	35	6	14
Northern Alaska Peninsula-west	6.3	3.8	9.3	6.4	1.7	202	120	298	203	54
S. Alaska Pen./West Kodiak Island	8.1	4.9	12.5	8.3	2.3	259	155	396	265	72
Kodiak	0.0	0.0	2.1	0.4	0.9	0	0	68	11	28
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	4	1	2
Prince William Sound	19.0	15.1	23.2	19.0	2.5	604	481	740	606	79
Southeast Alaska	4.6	2.5	7.2	4.7	1.4	147	81	229	150	45
British Columbia/Washington	4.7	3.0	7.1	4.8	1.3	151	94	225	153	40
								Total	3,184	

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 D41.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2023, gillnet (June 25–28; harvest = 2,488; n = 373). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	4.0	2.5	5.8	4.0	1.0	98	62	145	100	25
Russia	16.1	13.1	19.7	16.2	2.0	401	325	490	403	51
Kotzebue Sound	0.0	0.0	0.4	0.1	0.3	0	0	10	2	8
Coastal Western Alaska	37.4	32.9	42.0	37.4	2.7	930	819	1,044	930	67
Upper Yukon River	0.0	0.0	1.1	0.2	0.4	0	0	27	4	10
Northern Alaska Peninsula-east	2.7	1.0	5.5	2.9	1.4	66	25	136	71	35
Northern Alaska Peninsula-west	5.4	2.7	8.8	5.5	1.8	135	66	218	137	46
S. Alaska Pen./West Kodiak Island	6.1	2.6	10.1	6.2	2.3	152	66	252	155	58
Kodiak	4.4	1.3	8.1	4.5	2.1	109	32	202	112	53
Cook Inlet	0.2	0.0	0.9	0.3	0.3	5	0	22	7	7
Prince William Sound	19.8	16.3	23.4	19.8	2.2	493	405	583	493	54
Southeast Alaska	1.1	0.3	2.6	1.3	0.7	28	7	65	31	18
British Columbia/Washington	1.6	0.6	3.0	1.6	0.7	39	16	74	41	18
								Total	2,488	

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 D42.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2023, seine (July 6–19; harvest = 55,457; n = 370). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	11.2	8.7	14.1	11.2	1.7	6,184	4,824	7,804	6,225	918
Russia	12.1	9.3	15.3	12.2	1.8	6,710	5,135	8,510	6,752	1,016
Kotzebue Sound	0.0	0.0	0.7	0.1	0.3	0	0	401	69	163
Coastal Western Alaska	4.1	2.5	6.3	4.2	1.2	2,301	1,367	3,469	2,344	646
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	95	16	52
Northern Alaska Peninsula-east	0.9	0.0	2.5	1.0	0.8	473	3	1,362	554	423
Northern Alaska Peninsula-west	3.5	1.7	6.9	3.8	1.6	1,964	924	3,847	2,123	913
S. Alaska Pen./West Kodiak Island	42.0	34.0	49.5	42.0	4.8	23,287	18,858	27,472	23,266	2,640
Kodiak	15.8	9.9	23.8	16.1	4.1	8,744	5,479	13,189	8,911	2,271
Cook Inlet	0.8	0.3	1.8	0.9	0.5	449	148	1,015	499	276
Prince William Sound	5.6	2.7	8.6	5.6	1.8	3,130	1,524	4,751	3,129	988
Southeast Alaska	0.4	0.0	3.2	0.9	1.2	221	0	1,783	501	639
British Columbia/Washington	1.8	0.9	3.2	1.9	0.7	1,016	492	1,793	1,068	405
								Total	55,457	

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 D43.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2023, seine (July 22–27; harvest = 133,701; n = 373). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	8.6	6.3	11.1	8.6	1.5	11,451	8,421	14,829	11,541	1,954
Russia	6.5	4.5	8.9	6.6	1.4	8,707	6,025	11,915	8,795	1,822
Kotzebue Sound	0.0	0.0	0.3	0.0	0.1	0	0	358	55	164
Coastal Western Alaska	1.2	0.4	2.5	1.3	0.6	1,610	577	3,298	1,714	829
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	192	33	123
Northern Alaska Peninsula-east	0.0	0.0	0.6	0.1	0.3	0	0	847	134	455
Northern Alaska Peninsula-west	0.0	0.0	1.3	0.3	0.5	60	0	1,726	377	609
S. Alaska Pen./West Kodiak Island	64.2	52.9	73.0	63.7	6.4	85,800	70,723	97,568	85,174	8,560
Kodiak	6.7	0.1	17.6	7.3	6.1	8,976	116	23,534	9,757	8,175
Cook Inlet	1.3	0.6	2.6	1.4	0.6	1,757	767	3,468	1,899	841
Prince William Sound	4.9	2.2	8.1	5.0	1.8	6,502	2,887	10,862	6,628	2,455
Southeast Alaska	2.6	1.3	4.6	2.7	1.0	3,434	1,673	6,092	3,618	1,332
British Columbia/Washington	2.9	1.7	4.6	3.0	0.9	3,829	2,238	6,184	3,975	1,202
								Total		133,701

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 D44.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2023, seine (July 30–31; harvest = 34,470; n = 237). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	7.2	13.4	10.1	1.9	3,456	2,481	4,627	3,496	661
Russia	3.3	1.7	5.7	3.5	1.2	1,146	574	1,950	1,195	426
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	58	10	36
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	0	0	59	11	41
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	70	11	37
Northern Alaska Peninsula-east	0.0	0.0	0.3	0.1	0.2	0	0	117	21	82
Northern Alaska Peninsula-west	0.0	0.0	1.2	0.3	0.5	8	0	431	91	168
S. Alaska Pen./West Kodiak Island	56.1	45.2	67.3	56.2	6.8	19,339	15,564	23,195	19,360	2,354
Kodiak	26.3	15.3	37.6	26.4	6.8	9,081	5,290	12,958	9,094	2,336
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	63	11	39
Prince William Sound	0.2	0.0	2.5	0.6	0.9	54	0	875	213	311
Southeast Alaska	0.0	0.0	1.8	0.3	0.6	0	0	605	93	221
British Columbia/Washington	2.4	1.0	4.5	2.5	1.1	821	335	1,545	863	376
								Total	34,470	

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 D45.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2023, gillnet (July 6–15; harvest = 6,858; n = 342). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	6.0	4.2	8.4	6.1	1.3	414	290	576	422	87
Russia	0.4	0.0	1.8	0.6	0.6	27	2	125	41	41
Kotzebue Sound	0.0	0.0	0.9	0.2	0.3	0	0	62	12	24
Coastal Western Alaska	3.6	2.1	5.7	3.7	1.1	248	142	390	256	77
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	12	2	6
Northern Alaska Peninsula-east	0.0	0.0	1.9	0.3	0.7	0	0	132	23	49
Northern Alaska Peninsula-west	0.0	0.0	0.4	0.1	0.2	0	0	29	5	16
S. Alaska Pen./West Kodiak Island	61.6	53.3	69.6	61.5	5.0	4,222	3,657	4,776	4,217	345
Kodiak	14.9	7.4	22.7	15.0	4.7	1,020	505	1,558	1,030	320
Cook Inlet	1.4	0.6	2.7	1.5	0.7	96	41	184	102	45
Prince William Sound	5.9	3.3	9.0	6.0	1.7	403	227	619	410	120
Southeast Alaska	0.8	0.0	3.0	1.0	1.0	54	0	207	70	66
British Columbia/Washington	3.8	2.3	5.8	3.9	1.1	260	155	400	268	75
								Total	6,858	

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 D46.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2023, gillnet (July 18–27; harvest = 8,477; n = 370). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	0.1	0.0	0.1	0	0	10	2	6
Russia	0.3	0.0	1.1	0.4	0.4	22	1	94	31	30
Kotzebue Sound	0.0	0.0	1.0	0.2	0.4	0	0	86	14	38
Coastal Western Alaska	1.6	0.5	3.2	1.7	0.9	140	40	273	145	72
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	10	2	5
Northern Alaska Peninsula-east	0.0	0.0	1.0	0.2	0.4	0	0	86	17	32
Northern Alaska Peninsula-west	0.0	0.0	2.5	0.5	1.0	1	0	214	43	81
S. Alaska Pen./West Kodiak Island	92.6	87.2	95.8	92.1	2.8	7,850	7,396	8,119	7,811	235
Kodiak	0.3	0.0	5.1	1.0	1.9	25	2	431	84	160
Cook Inlet	1.6	0.7	2.9	1.6	0.7	131	62	242	139	56
Prince William Sound	1.8	0.0	4.5	1.9	1.5	150	0	383	162	125
Southeast Alaska	0.0	0.0	0.9	0.2	0.4	0	0	78	13	31
British Columbia/Washington	0.0	0.0	0.7	0.2	0.3	3	0	58	13	22
								Total	8,477	

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 D47.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2023, gillnet (July 30–31; harvest = 2,936; n = 235). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	4	1	4
Russia	0.0	0.0	0.3	0.0	0.2	0	0	8	1	5
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	5	1	4
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	0	0	5	1	3
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	6	1	3
Northern Alaska Peninsula-east	0.0	0.0	0.3	0.1	0.3	0	0	10	2	8
Northern Alaska Peninsula-west	0.0	0.0	0.4	0.1	0.2	0	0	11	2	7
S. Alaska Pen./West Kodiak Island	85.5	72.6	97.0	85.3	7.5	2,510	2,132	2,847	2,505	219
Kodiak	11.5	0.3	24.3	11.7	7.4	339	10	714	345	217
Cook Inlet	2.0	0.8	3.7	2.1	0.9	57	24	110	61	26
Prince William Sound	0.0	0.0	1.6	0.2	0.6	0	0	46	7	18
Southeast Alaska	0.0	0.0	1.3	0.2	0.6	0	0	39	6	16
British Columbia/Washington	0.0	0.0	0.5	0.1	0.3	0	0	14	2	8
								Total	2,936	

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 D48.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2023, seine (July 6–7; harvest = 74,937; n = 347). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	30.0	26.1	34.1	30.1	2.5	22,484	19,591	25,588	22,540	1,878
Russia	20.0	16.6	24.2	20.2	2.3	15,015	12,466	18,152	15,118	1,749
Kotzebue Sound	1.3	0.0	3.4	1.4	1.0	984	0	2,539	1,073	786
Coastal Western Alaska	18.7	14.9	22.9	18.8	2.4	14,019	11,146	17,132	14,053	1,799
Upper Yukon River	1.9	0.8	3.5	2.0	0.8	1,398	611	2,635	1,471	612
Northern Alaska Peninsula-east	2.5	0.7	5.7	2.7	1.5	1,866	542	4,267	2,053	1,141
Northern Alaska Peninsula-west	8.0	5.2	11.2	8.0	1.9	5,968	3,868	8,383	6,000	1,393
S. Alaska Pen./West Kodiak Island	5.1	2.0	9.1	5.2	2.1	3,844	1,497	6,784	3,931	1,596
Kodiak	2.9	0.1	5.8	2.9	1.7	2,141	101	4,363	2,176	1,306
Cook Inlet	0.2	0.0	0.9	0.3	0.3	166	14	681	235	231
Prince William Sound	0.3	0.0	1.9	0.6	0.7	253	0	1,433	420	493
Southeast Alaska	1.3	0.4	2.9	1.4	0.8	964	279	2,151	1,056	584
British Columbia/Washington	6.3	4.5	8.8	6.4	1.3	4,724	3,354	6,598	4,811	995
								Total	74,937	

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 D49.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2023, seine (July 10–15; harvest = 39,807; n = 360). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	22.4	19.0	26.3	22.4	2.2	8,901	7,579	10,458	8,931	871
Russia	19.9	16.4	23.6	19.9	2.2	7,911	6,512	9,399	7,933	888
Kotzebue Sound	0.0	0.0	1.3	0.2	0.5	0	0	503	84	185
Coastal Western Alaska	10.0	7.2	13.1	10.1	1.8	3,967	2,854	5,226	4,009	721
Upper Yukon River	0.7	0.0	1.9	0.8	0.6	276	7	744	318	226
Northern Alaska Peninsula-east	6.6	3.3	10.4	6.6	2.1	2,613	1,330	4,124	2,630	829
Northern Alaska Peninsula-west	12.8	9.3	16.8	12.9	2.3	5,096	3,685	6,694	5,136	907
S. Alaska Pen./West Kodiak Island	5.6	2.3	11.4	6.1	2.9	2,214	928	4,546	2,436	1,135
Kodiak	5.7	0.6	10.0	5.6	2.7	2,253	236	3,968	2,222	1,089
Cook Inlet	0.8	0.2	1.8	0.9	0.5	304	90	700	342	196
Prince William Sound	4.2	2.1	6.8	4.3	1.5	1,684	823	2,710	1,711	579
Southeast Alaska	2.5	1.1	4.4	2.6	1.0	975	457	1,744	1,022	389
British Columbia/Washington	7.5	5.5	10.0	7.6	1.4	2,999	2,175	3,998	3,035	557
								Total	39,807	

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 D50.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 3, 2023, seine (July 18–31; harvest = 14,870; n = 354). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	9.1	6.7	11.8	9.1	1.5	1,347	994	1,752	1,355	230
Russia	16.6	13.3	20.1	16.6	2.1	2,473	1,983	2,990	2,475	310
Kotzebue Sound	0.0	0.0	0.7	0.1	0.3	0	0	103	17	42
Coastal Western Alaska	1.4	0.5	3.0	1.6	0.8	215	79	441	233	114
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	20	4	13
Northern Alaska Peninsula-east	0.4	0.0	4.8	1.1	1.6	56	0	710	163	244
Northern Alaska Peninsula-west	6.5	4.1	9.9	6.7	1.8	972	603	1,467	998	266
S. Alaska Pen./West Kodiak Island	58.3	49.6	64.5	57.8	4.5	8,667	7,368	9,585	8,589	673
Kodiak	0.8	0.0	10.0	2.7	3.6	120	0	1,485	404	532
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	21	4	13
Prince William Sound	1.7	0.0	3.9	1.7	1.2	246	0	579	259	174
Southeast Alaska	0.0	0.0	0.9	0.2	0.3	0	0	130	23	51
British Columbia/Washington	2.2	1.1	3.8	2.3	0.8	330	170	572	346	124
								Total	14,870	

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 D51.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2023, gillnet (July 6–19; harvest = 3,388; n = 111). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2.5	0.7	5.6	2.7	1.5	84	25	189	93	51
Russia	6.4	3.0	11.6	6.7	2.6	218	102	392	229	88
Kotzebue Sound	0.0	0.0	0.5	0.1	0.3	0	0	16	3	10
Coastal Western Alaska	4.8	2.0	8.9	5.0	2.1	162	68	300	170	72
Upper Yukon River	0.0	0.0	0.5	0.1	0.2	0	0	16	2	8
Northern Alaska Peninsula-east	10.2	4.5	18.3	10.6	4.3	344	151	621	360	145
Northern Alaska Peninsula-west	5.4	1.8	11.3	5.8	2.9	184	62	382	197	97
S. Alaska Pen./West Kodiak Island	52.5	35.4	63.4	51.6	8.6	1,779	1,199	2,148	1,749	292
Kodiak	0.0	0.0	18.8	3.2	6.5	1	0	638	110	219
Cook Inlet	0.8	0.1	3.2	1.1	1.0	27	2	107	37	35
Prince William Sound	4.8	0.0	10.9	5.0	3.3	162	0	369	169	111
Southeast Alaska	0.0	0.0	1.5	0.2	0.7	0	0	51	8	24
British Columbia/Washington	7.5	4.0	12.2	7.7	2.5	253	136	415	262	86
								Total	3,388	

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 D52.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2023, gillnet (July 22–27; harvest = 6,295; n = 361). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.2	0.0	0.9	0.3	0.3	13	1	57	19	18
Russia	2.8	1.6	4.7	3.0	1.0	178	100	299	186	61
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	12	2	7
Coastal Western Alaska	0.0	0.0	1.0	0.2	0.4	3	0	62	14	22
Upper Yukon River	0.0	0.0	0.4	0.1	0.2	0	0	24	4	11
Northern Alaska Peninsula-east	8.5	4.2	12.9	8.5	2.7	535	267	811	533	171
Northern Alaska Peninsula-west	21.4	16.7	27.4	21.7	3.3	1,345	1,054	1,726	1,364	205
S. Alaska Pen./West Kodiak Island	48.3	41.7	55.6	48.5	4.3	3,040	2,624	3,498	3,051	268
Kodiak	9.6	3.9	15.3	9.6	3.5	605	248	966	606	220
Cook Inlet	0.8	0.2	1.8	0.9	0.5	49	16	111	54	30
Prince William Sound	4.1	2.0	6.8	4.2	1.5	256	128	431	264	93
Southeast Alaska	2.3	0.9	4.4	2.4	1.1	143	54	274	151	67
British Columbia/Washington	0.6	0.2	1.6	0.7	0.5	40	10	103	46	29
								Total	6,295	

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 D53.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 3, 2023, gillnet (July 30–31; harvest = 4,144; n = 191). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.4	0.0	1.6	0.6	0.5	17	1	68	23	22
Russia	1.7	0.5	4.0	1.9	1.1	69	20	165	77	44
Kotzebue Sound	0.1	0.0	1.3	0.3	0.5	5	0	54	14	20
Coastal Western Alaska	0.5	0.0	2.3	0.7	0.8	20	1	96	31	32
Upper Yukon River	0.0	0.0	0.2	0.0	0.2	0	0	9	2	7
Northern Alaska Peninsula-east	0.6	0.0	4.0	1.1	1.5	26	0	166	46	60
Northern Alaska Peninsula-west	13.8	9.1	19.3	14.0	3.2	574	376	800	581	131
S. Alaska Pen./West Kodiak Island	79.6	71.5	85.6	79.1	4.2	3,297	2,964	3,547	3,280	176
Kodiak	0.0	0.0	7.1	1.2	2.6	0	0	294	52	106
Cook Inlet	0.1	0.0	1.4	0.3	0.5	4	0	58	14	21
Prince William Sound	0.0	0.0	1.0	0.2	0.4	0	0	41	7	18
Southeast Alaska	0.0	0.0	0.6	0.1	0.3	0	0	24	4	12
British Columbia/Washington	0.1	0.0	1.4	0.4	0.5	6	0	60	15	21
								Total	4,144	

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 D54.–Southeastern and South Central Districts, South Alaska Peninsula area, August stratum 1, 2023, seine (August 7–13; harvest = 125,903; n = 322). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	4.4	2.8	6.5	4.5	1.1	5,506	3,497	8,192	5,614	1,417
Russia	0.1	0.0	1.2	0.3	0.4	149	0	1,526	406	539
Kotzebue Sound	0.0	0.0	0.5	0.1	0.2	0	0	577	95	228
Coastal Western Alaska	0.0	0.0	0.7	0.1	0.3	4	0	850	168	332
Upper Yukon River	0.0	0.0	0.6	0.1	0.2	1	0	716	132	270
Northern Alaska Peninsula-east	0.0	0.0	2.1	0.3	0.8	1	0	2,646	387	1,015
Northern Alaska Peninsula-west	0.3	0.0	2.6	0.7	0.9	383	0	3,257	873	1,185
S. Alaska Pen./West Kodiak Island	59.4	49.1	69.0	59.3	5.9	74,799	61,815	86,854	74,689	7,478
Kodiak	26.5	17.5	36.5	26.8	5.8	33,369	22,085	45,996	33,711	7,309
Cook Inlet	1.2	0.4	2.4	1.3	0.6	1,466	565	3,046	1,605	785
Prince William Sound	4.6	1.2	8.3	4.7	2.1	5,852	1,466	10,475	5,877	2,666
Southeast Alaska	1.0	0.0	3.4	1.2	1.2	1,245	0	4,223	1,484	1,481
British Columbia/Washington	0.1	0.0	2.7	0.7	1.0	96	0	3,431	861	1,236
								Total		125,903

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 D55.–Southeastern and South Central Districts, South Alaska Peninsula area, August stratum 2, 2023, seine (August 14–30; harvest = 129,858; n = 313). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	0.6	2.9	1.6	0.7	1,926	818	3,770	2,070	921
Russia	0.0	0.0	0.5	0.1	0.2	0	0	606	96	290
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	203	36	132
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	0	0	222	38	138
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	178	30	96
Northern Alaska Peninsula-east	0.0	0.0	0.6	0.1	0.3	0	0	743	121	391
Northern Alaska Peninsula-west	0.0	0.0	0.4	0.1	0.2	0	0	546	87	321
S. Alaska Pen./West Kodiak Island	74.9	64.5	86.5	75.1	6.6	97,237	83,771	112,269	97,523	8,547
Kodiak	22.8	11.6	33.3	22.6	6.6	29,665	15,064	43,191	29,404	8,511
Cook Inlet	0.0	0.0	0.2	0.0	0.1	0	0	205	36	123
Prince William Sound	0.0	0.0	1.3	0.2	0.5	1	0	1,736	285	707
Southeast Alaska	0.0	0.0	0.5	0.1	0.2	0	0	612	97	314
British Columbia/Washington	0.0	0.0	0.1	0.0	0.1	0	0	190	34	121
								Total	129,858	

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 D56.–Southeastern and South Central Districts, South Alaska Peninsula area, August 2023, gillnet (August 3–23; harvest = 11,538; n = 351). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	0.1	0.0	0.1		0	13	2	8
Russia	0.0	0.0	0.2	0.0	0.1	0	0	25	4	12
Kotzebue Sound	0.0	0.0	0.5	0.1	0.2	0	0	60	11	24
Coastal Western Alaska	0.0	0.0	0.4	0.1	0.2	0	0	52	9	22
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	14	2	7
Northern Alaska Peninsula-east	0.1	0.0	2.9	0.6	1.0	14	0	336	64	115
Northern Alaska Peninsula-west	0.0	0.0	0.2	0.0	0.1	0	0	24	4	16
S. Alaska Pen./West Kodiak Island	62.2	51.2	72.6	62.1	6.6	7,180	5,902	8,382	7,170	766
Kodiak	27.1	16.5	38.2	27.1	6.7	3,131	1,904	4,409	3,127	768
Cook Inlet	5.3	3.6	7.6	5.4	1.2	616	411	877	627	141
Prince William Sound	4.0	1.8	7.1	4.1	1.7	456	203	821	476	191
Southeast Alaska	0.0	0.0	0.4	0.1	0.2	0	0	51	8	27
British Columbia/Washington	0.2	0.0	0.9	0.3	0.3	24	2	103	35	35
								Total	11,538	

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 D57.–Unimak and Southwestern Districts, South Alaska Peninsula area, August stratum 1, 2023, seine (August 7–17; harvest = 124,946; n = 365). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	0.1	0.0	0.1	0	0	128	23	75
Russia	0.0	0.0	0.2	0.0	0.1	0	0	210	38	132
Kotzebue Sound	0.0	0.0	0.1	0.0	0.1	0	0	187	34	126
Coastal Western Alaska	0.0	0.0	0.1	0.0	0.1	0	0	162	26	94
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	164	29	103
Northern Alaska Peninsula-east	0.0	0.0	0.6	0.1	0.4	0	0	781	131	449
Northern Alaska Peninsula-west	0.8	0.0	4.1	1.3	1.5	1,006	0	5,174	1,574	1,821
S. Alaska Pen./West Kodiak Island	97.7	87.7	99.8	96.4	3.9	122,132	109,538	124,756	120,464	4,857
Kodiak	0.0	0.0	10.6	1.8	3.6	9	0	13,253	2,279	4,550
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	163	29	100
Prince William Sound	0.0	0.0	0.9	0.2	0.3	12	0	1,109	229	434
Southeast Alaska	0.0	0.0	0.2	0.0	0.1	0	0	266	44	131
British Columbia/Washington	0.0	0.0	0.2	0.0	0.1	0	0	256	45	145
								Total	124,946	

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 D58.–Unimak and Southwestern Districts, South Alaska Peninsula area, August stratum 2, 2023, seine (August 18–30; harvest = 131,761; n = 373). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	0.1	0.0	0.1	0	0	152	29	114
Russia	0.0	0.0	0.1	0.0	0.1	0	0	184	30	105
Kotzebue Sound	0.0	0.0	0.1	0.0	0.1	0	0	156	28	108
Coastal Western Alaska	0.0	0.0	0.1	0.0	0.1	0	0	126	23	82
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	151	28	100
Northern Alaska Peninsula-east	0.0	0.0	0.2	0.0	0.1	0	0	328	54	188
Northern Alaska Peninsula-west	0.0	0.0	1.1	0.2	0.5	0	0	1,450	228	657
S. Alaska Pen./West Kodiak Island	84.1	76.8	93.3	84.4	4.8	110,803	101,146	122,941	111,200	6,374
Kodiak	14.1	5.0	21.4	13.8	4.8	18,569	6,652	28,157	18,248	6,375
Cook Inlet	0.5	0.1	1.4	0.6	0.4	614	139	1,791	733	515
Prince William Sound	0.4	0.0	2.4	0.7	0.9	513	0	3,097	931	1,155
Southeast Alaska	0.0	0.0	1.0	0.2	0.4	0	0	1,258	203	519
British Columbia/Washington	0.0	0.0	0.1	0.0	0.1	0	0	154	26	98
								Total	131,761	

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 D59.–Unimak and Southwestern Districts, South Alaska Peninsula area, August 2023, gillnet (August 7–26; harvest = 5,995; n = 345). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	10	2	7
Russia	0.7	0.1	1.8	0.8	0.5	43	9	109	49	32
Kotzebue Sound	0.0	0.0	0.1	0.0	0.1	0	0	8	1	5
Coastal Western Alaska	0.0	0.0	0.3	0.1	0.2	0	0	16	3	13
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	8	2	6
Northern Alaska Peninsula-east	1.5	0.3	7.0	2.4	2.2	88	17	418	145	134
Northern Alaska Peninsula-west	22.5	17.4	28.2	22.5	3.3	1,347	1,042	1,691	1,351	198
S. Alaska Pen./West Kodiak Island	53.5	45.0	62.0	53.5	5.3	3,204	2,695	3,718	3,204	320
Kodiak	13.0	4.1	21.6	12.9	5.3	777	248	1,293	773	318
Cook Inlet	0.8	0.2	1.9	0.9	0.5	49	15	113	55	31
Prince William Sound	6.3	3.4	9.8	6.4	1.9	380	207	585	383	115
Southeast Alaska	0.0	0.0	1.5	0.3	0.6	0	0	91	15	34
British Columbia/Washington	0.0	0.0	1.2	0.2	0.4	0	0	70	11	26
								Total	5,995	

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 D60.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 1, 2024, seine (June 10–13; harvest = 9,855; n = 378). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	25.3	21.5	28.9	25.2	2.2	2,492	2,121	2,844	2,488	219
Russia	13.4	10.6	16.6	13.5	1.8	1,317	1,049	1,631	1,326	181
Kotzebue Sound	0.0	0.0	1.3	0.2	0.5	0	0	127	22	52
Coastal Western Alaska	25.9	22.2	29.8	25.9	2.3	2,553	2,184	2,935	2,553	231
Upper Yukon River	0.0	0.0	0.8	0.1	0.3	0	0	83	12	33
Northern Alaska Peninsula-east	0.0	0.0	0.6	0.1	0.3	0	0	63	10	25
Northern Alaska Peninsula-west	0.0	0.0	0.3	0.0	0.1	0	0	29	5	13
S. Alaska Pen./West Kodiak Island	1.5	0.0	3.4	1.6	1.0	149	0	338	159	100
Kodiak	0.6	0.1	2.5	0.8	0.8	61	12	241	83	74
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	13	2	7
Prince William Sound	3.7	2.1	5.7	3.8	1.1	364	203	562	370	110
Southeast Alaska	0.5	0.0	1.5	0.6	0.5	48	5	150	58	46
British Columbia/Washington	28.1	24.3	31.9	28.1	2.3	2,767	2,390	3,147	2,765	227
								Total	9,855	

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 D61.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 2, 2024, seine (June 15–18; harvest = 28,278; n = 377). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	29.8	25.9	33.8	29.8	2.4	8,424	7,328	9,551	8,440	672
Russia	14.5	11.5	17.6	14.5	1.9	4,086	3,266	4,984	4,108	529
Kotzebue Sound	0.0	0.0	1.4	0.3	0.5	4	0	400	78	154
Coastal Western Alaska	33.5	29.3	37.9	33.5	2.6	9,479	8,299	10,704	9,483	742
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	57	10	37
Northern Alaska Peninsula-east	4.0	1.8	6.6	4.1	1.5	1,121	522	1,864	1,158	417
Northern Alaska Peninsula-west	0.3	0.0	1.5	0.5	0.5	87	0	418	130	146
S. Alaska Pen./West Kodiak Island	1.7	0.0	3.7	1.8	1.1	486	7	1,044	511	299
Kodiak	0.0	0.0	1.4	0.3	0.5	1	0	409	72	150
Cook Inlet	0.2	0.0	0.8	0.3	0.3	58	5	233	81	78
Prince William Sound	0.4	0.0	1.5	0.5	0.5	111	0	412	146	139
Southeast Alaska	1.0	0.4	2.3	1.1	0.6	284	100	637	317	167
British Columbia/Washington	13.2	10.4	16.3	13.2	1.8	3,732	2,941	4,600	3,744	501
								Total	28,278	

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 D62.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 3, 2024, seine (June 20–23; harvest = 37,652; n = 375). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	32.7	28.7	36.8	32.7	2.4	12,307	10,798	13,844	12,315	922
Russia	11.9	9.4	15.0	12.0	1.7	4,493	3,532	5,635	4,525	645
Kotzebue Sound	0.0	0.0	0.3	0.1	0.2	0	0	128	21	73
Coastal Western Alaska	28.1	24.1	32.0	28.0	2.4	10,577	9,073	12,032	10,556	914
Upper Yukon River	0.3	0.0	1.5	0.5	0.5	101	0	577	171	207
Northern Alaska Peninsula-east	1.1	0.0	2.9	1.3	0.9	427	0	1,096	471	334
Northern Alaska Peninsula-west	1.2	0.3	2.7	1.3	0.7	438	122	998	483	275
S. Alaska Pen./West Kodiak Island	3.5	1.7	5.8	3.6	1.3	1,330	652	2,197	1,362	474
Kodiak	0.0	0.0	1.3	0.2	0.5	0	0	488	79	198
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	45	7	23
Prince William Sound	0.0	0.0	0.9	0.2	0.3	1	0	347	67	129
Southeast Alaska	1.9	0.8	3.6	2.0	0.8	733	303	1,343	765	319
British Columbia/Washington	18.1	14.7	21.6	18.1	2.1	6,808	5,551	8,130	6,830	781
								Total	37,652	

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 D63.–Southeastern and South Central Districts, South Alaska Peninsula area, June stratum 4, 2024, seine (June 25–28; harvest = 59,016; n = 378). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	33.9	30.2	38.1	34.0	2.4	20,007	17,852	22,484	20,076	1,410
Russia	12.4	9.6	15.5	12.5	1.8	7,294	5,673	9,168	7,364	1,064
Kotzebue Sound	0.0	0.0	0.4	0.1	0.2	0	0	235	41	140
Coastal Western Alaska	15.0	11.8	18.5	15.1	2.0	8,850	6,979	10,931	8,919	1,196
Upper Yukon River	0.0	0.0	0.9	0.2	0.3	0	0	514	96	198
Northern Alaska Peninsula-east	1.0	0.0	4.3	1.4	1.5	562	0	2,564	819	862
Northern Alaska Peninsula-west	5.4	2.8	8.1	5.4	1.6	3,167	1,664	4,797	3,188	932
S. Alaska Pen./West Kodiak Island	1.3	0.2	4.3	1.7	1.4	757	125	2,567	1,007	805
Kodiak	0.0	0.0	2.9	0.6	1.1	4	0	1,739	350	621
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	79	14	54
Prince William Sound	0.0	0.0	1.0	0.2	0.4	2	0	597	120	223
Southeast Alaska	1.3	0.4	2.8	1.4	0.7	793	237	1,657	848	436
British Columbia/Washington	27.4	23.8	31.3	27.4	2.3	16,152	14,025	18,474	16,174	1,358
								Total	59,016	

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 D64.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2024, gillnet (June 6–28; Harvest = 7,712; n = 377). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	4.8	3.1	6.8	4.8	1.1	368	240	525	374	87
Russia	12.8	10.1	16.2	12.9	1.8	988	776	1,248	996	141
Kotzebue Sound	1.5	0.0	3.8	1.6	1.2	118	0	295	125	93
Coastal Western Alaska	45.0	40.0	50.1	45.1	3.1	3,473	3,088	3,862	3,475	236
Upper Yukon River	0.3	0.0	2.2	0.6	0.8	25	0	166	47	58
Northern Alaska Peninsula-east	7.7	4.5	11.3	7.8	2.1	596	347	872	602	162
Northern Alaska Peninsula-west	2.3	0.9	4.6	2.5	1.2	177	66	357	190	92
S. Alaska Pen./West Kodiak Island	2.7	1.3	5.8	3.0	1.5	209	101	446	232	112
Kodiak	5.5	2.5	8.6	5.5	1.8	423	196	660	425	140
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	11	2	6
Prince William Sound	6.2	3.9	8.8	6.3	1.5	478	303	678	482	113
Southeast Alaska	2.4	1.1	4.2	2.5	1.0	182	85	327	191	76
British Columbia/Washington	7.4	5.3	9.8	7.4	1.4	568	412	757	571	105
								Total	7,712	

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 D65.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2024, seine (June 11–13; harvest = 13,220; n = 373). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	34.1	30.3	38.3	34.2	2.5	4,505	4,002	5,065	4,519	327
Russia	14.0	11.1	17.3	14.1	1.9	1,853	1,462	2,293	1,859	252
Kotzebue Sound	0.3	0.0	2.9	0.8	1.0	36	0	378	107	136
Coastal Western Alaska	21.4	17.4	25.5	21.4	2.4	2,833	2,298	3,372	2,835	322
Upper Yukon River	0.5	0.0	1.7	0.6	0.5	67	5	219	84	69
Northern Alaska Peninsula-east	0.2	0.0	1.7	0.4	0.6	27	0	223	59	78
Northern Alaska Peninsula-west	1.4	0.5	2.8	1.5	0.7	188	61	371	200	99
S. Alaska Pen./West Kodiak Island	0.0	0.0	1.0	0.2	0.4	0	0	133	23	51
Kodiak	0.0	0.0	0.5	0.1	0.2	0	0	69	11	30
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	14	3	9
Prince William Sound	0.7	0.0	2.0	0.8	0.6	90	0	264	104	86
Southeast Alaska	0.0	0.0	0.9	0.2	0.3	1	0	115	23	43
British Columbia/Washington	25.6	22.2	29.5	25.7	2.2	3,384	2,938	3,895	3,394	294
								Total	13,220	

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 D66.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 2, 2024, seine (June 15–18; harvest = 20,676; n = 377). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	27.6	24.1	31.5	27.7	2.3	5,709	4,975	6,504	5,721	472
Russia	21.4	17.9	25.2	21.4	2.2	4,418	3,711	5,211	4,425	452
Kotzebue Sound	0.4	0.0	1.7	0.5	0.6	72	0	355	111	122
Coastal Western Alaska	28.4	24.3	32.7	28.5	2.6	5,882	5,028	6,756	5,888	533
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	31	6	23
Northern Alaska Peninsula-east	5.1	2.9	7.9	5.2	1.5	1,054	609	1,629	1,074	314
Northern Alaska Peninsula-west	2.5	1.3	4.1	2.6	0.9	514	268	848	532	182
S. Alaska Pen./West Kodiak Island	0.4	0.0	1.5	0.6	0.5	88	10	319	116	99
Kodiak	0.0	0.0	0.4	0.1	0.2	0	0	85	12	34
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	22	4	13
Prince William Sound	1.4	0.4	2.9	1.5	0.8	286	81	600	305	159
Southeast Alaska	1.4	0.5	2.9	1.5	0.8	290	96	596	314	157
British Columbia/Washington	10.4	8.1	13.2	10.5	1.5	2,156	1,680	2,725	2,169	317
								Total	20,676	

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 D67.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2024, seine (June 20–23; harvest = 95,187; n = 378). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	43.2	39.0	47.5	43.2	2.6	41,139	37,100	45,193	41,140	2,465
Russia	16.6	13.6	20.1	16.7	2.0	15,793	12,931	19,175	15,878	1,914
Kotzebue Sound	0.1	0.0	1.4	0.3	0.5	89	0	1,358	332	489
Coastal Western Alaska	19.8	16.1	23.9	19.9	2.4	18,839	15,368	22,710	18,909	2,246
Upper Yukon River	0.0	0.0	0.6	0.1	0.2	2	0	582	111	227
Northern Alaska Peninsula-east	2.0	0.0	4.7	2.1	1.5	1,890	0	4,481	1,989	1,422
Northern Alaska Peninsula-west	1.8	0.5	3.9	1.9	1.1	1,679	503	3,718	1,850	1,001
S. Alaska Pen./West Kodiak Island	0.0	0.0	2.9	0.6	1.0	9	0	2,715	540	943
Kodiak	2.1	0.0	4.1	2.1	1.2	1,961	0	3,918	1,979	1,154
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	112	18	57
Prince William Sound	0.0	0.0	0.2	0.0	0.1	0	0	166	27	92
Southeast Alaska	0.7	0.2	1.7	0.8	0.5	663	153	1,647	754	480
British Columbia/Washington	12.2	9.6	15.1	12.2	1.7	11,599	9,144	14,344	11,659	1,578
								Total	95,187	

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 D68.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2024, seine (June 25–28; harvest = 71,875; n = 378). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	32.0	28.2	36.0	32.1	2.4	23,035	20,271	25,885	23,071	1,708
Russia	23.3	19.8	27.0	23.3	2.2	16,742	14,196	19,406	16,740	1,598
Kotzebue Sound	0.0	0.0	0.7	0.1	0.3	0	0	511	86	215
Coastal Western Alaska	19.2	15.7	23.1	19.3	2.3	13,820	11,270	16,617	13,848	1,645
Upper Yukon River	1.3	0.1	3.0	1.4	0.9	914	41	2,154	998	625
Northern Alaska Peninsula-east	0.7	0.0	3.0	1.0	1.0	537	0	2,189	701	713
Northern Alaska Peninsula-west	4.9	3.0	7.0	4.9	1.2	3,487	2,166	5,018	3,520	866
S. Alaska Pen./West Kodiak Island	0.6	0.0	1.7	0.7	0.5	455	2	1,234	516	377
Kodiak	0.0	0.0	0.3	0.1	0.2	0	0	251	38	123
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	88	16	68
Prince William Sound	0.0	0.0	0.1	0.0	0.1	0	0	93	16	57
Southeast Alaska	0.7	0.2	1.7	0.8	0.5	501	149	1,220	576	342
British Columbia/Washington	16.3	13.5	19.6	16.3	1.9	11,689	9,698	14,078	11,748	1,345
								Total	71,875	

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 D69.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 1, 2024, gillnet (June 11–13; harvest = 42,095; n = 378). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	17.3	14.2	20.7	17.4	2.0	7,286	5,995	8,702	7,325	837
Russia	21.0	17.7	24.6	21.0	2.1	8,841	7,440	10,339	8,849	891
Kotzebue Sound	0.0	0.0	1.3	0.2	0.5	1	0	550	98	218
Coastal Western Alaska	35.8	31.6	40.0	35.8	2.6	15,086	13,288	16,840	15,071	1,074
Upper Yukon River	0.5	0.0	1.9	0.7	0.6	224	0	790	275	265
Northern Alaska Peninsula-east	0.0	0.0	0.7	0.1	0.3	0	0	281	41	119
Northern Alaska Peninsula-west	2.2	1.1	3.9	2.3	0.8	936	481	1,631	980	356
S. Alaska Pen./West Kodiak Island	0.7	0.0	2.2	0.9	0.7	313	0	935	368	299
Kodiak	0.0	0.0	1.1	0.2	0.4	3	0	463	93	165
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	44	9	35
Prince William Sound	1.5	0.5	2.9	1.5	0.7	614	213	1,206	648	309
Southeast Alaska	0.0	0.0	0.9	0.2	0.3	4	0	376	79	145
British Columbia/Washington	19.6	16.3	23.0	19.6	2.1	8,237	6,878	9,700	8,260	872
								Total	42,095	

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 D70.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 2, 2024, gillnet (June 15–18; harvest = 35,895; n = 365). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	14.9	12.1	18.1	15.0	1.8	5,344	4,330	6,495	5,375	657
Russia	16.9	13.6	20.5	17.0	2.1	6,058	4,883	7,347	6,089	755
Kotzebue Sound	0.0	0.0	1.6	0.3	0.6	4	0	560	111	202
Coastal Western Alaska	42.3	37.5	46.9	42.2	2.7	15,180	13,476	16,824	15,164	984
Upper Yukon River	0.9	0.3	2.2	1.0	0.6	330	94	786	371	218
Northern Alaska Peninsula-east	1.9	0.8	3.7	2.0	0.9	684	272	1,334	730	327
Northern Alaska Peninsula-west	2.2	1.0	3.8	2.3	0.9	790	356	1,372	814	308
S. Alaska Pen./W. Kodiak I.	2.0	0.0	4.1	2.0	1.2	702	5	1,475	730	414
Kodiak	0.0	0.0	1.0	0.2	0.4	0	0	372	56	160
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	45	7	25
Prince William Sound	1.6	0.6	3.2	1.7	0.8	578	220	1,158	623	292
Southeast Alaska	1.5	0.6	3.1	1.6	0.8	550	203	1,106	585	279
British Columbia/Washington	14.5	11.6	17.8	14.6	1.9	5,216	4,169	6,382	5,240	669
								Total	35,895	

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 D71.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 3, 2024, gillnet (June 20–23; harvest = 25,685; n = 374). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	12.3	18.5	15.3	1.9	3,928	3,162	4,752	3,941	483
Russia	16.1	12.9	19.7	16.2	2.1	4,147	3,301	5,065	4,161	543
Kotzebue Sound	0.0	0.0	1.6	0.3	0.7	0	0	423	69	174
Coastal Western Alaska	45.5	40.9	50.1	45.4	2.7	11,678	10,509	12,859	11,671	703
Upper Yukon River	0.0	0.0	0.6	0.1	0.3	0	0	156	23	83
Northern Alaska Peninsula-east	1.7	0.6	3.8	1.8	1.0	433	150	975	471	253
Northern Alaska Peninsula-west	6.6	4.5	9.1	6.6	1.4	1,685	1,146	2,338	1,707	355
S. Alaska Pen./West Kodiak Island	3.3	1.5	5.5	3.4	1.2	848	394	1,416	871	316
Kodiak	0.3	0.0	1.8	0.5	0.6	76	7	464	134	160
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	31	5	19
Prince William Sound	0.3	0.0	1.6	0.5	0.6	86	0	410	127	144
Southeast Alaska	1.8	0.8	3.4	1.9	0.8	465	210	870	493	207
British Columbia/Washington	7.8	5.6	10.3	7.8	1.4	1,991	1,444	2,645	2,009	364
								Total	25,685	

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 D72.–Unimak and Southwestern Districts, South Alaska Peninsula area, June stratum 4, 2024, gillnet (June 25–28; harvest = 3,693; n = 366). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	6.3	4.4	8.6	6.3	1.3	231	162	319	234	47
Russia	14.5	11.6	17.8	14.6	1.9	535	427	656	538	70
Kotzebue Sound	0.1	0.0	1.9	0.4	0.7	2	0	70	16	25
Coastal Western Alaska	43.7	39.0	48.7	43.8	3.0	1,613	1,442	1,798	1,617	110
Upper Yukon River	1.3	0.0	2.9	1.3	0.8	47	0	107	50	31
Northern Alaska Peninsula-east	8.6	5.3	12.4	8.7	2.2	317	194	459	322	80
Northern Alaska Peninsula-west	7.1	4.4	10.3	7.2	1.8	264	164	382	266	65
S. Alaska Pen./West Kodiak Island	0.9	0.0	3.9	1.3	1.3	34	0	144	47	49
Kodiak	0.3	0.0	3.2	0.8	1.1	11	0	119	30	41
Cook Inlet	0.0	0.0	0.1	0.0	0.1	0	0	4	1	3
Prince William Sound	2.2	0.9	4.1	2.3	1.0	80	32	151	85	37
Southeast Alaska	2.1	0.9	3.9	2.2	0.9	77	32	143	81	35
British Columbia/Washington	11.0	8.4	13.8	11.0	1.7	405	309	511	406	61
								Total	3,693	

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 D73.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2024, seine (July 6–15; harvest = 31,038; n = 372). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	24.8	21.0	28.6	24.8	2.3	7,685	6,529	8,865	7,692	712
Russia	8.3	6.0	11.1	8.4	1.5	2,586	1,854	3,434	2,610	478
Kotzebue Sound	0.0	0.0	1.0	0.2	0.4	0	0	307	47	125
Coastal Western Alaska	4.3	2.6	6.5	4.4	1.2	1,337	795	2,008	1,357	371
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	41	8	34
Northern Alaska Peninsula-east	1.4	0.4	3.2	1.6	0.9	436	138	1,008	485	276
Northern Alaska Peninsula-west	2.2	0.7	5.0	2.5	1.4	673	212	1,556	762	421
S. Alaska Pen./West Kodiak Island	32.9	27.3	38.2	32.8	3.3	10,213	8,465	11,861	10,192	1,026
Kodiak	0.5	0.0	5.0	1.2	1.7	140	9	1,546	369	520
Cook Inlet	2.9	1.7	4.5	3.0	0.9	907	528	1,412	928	268
Prince William Sound	2.0	0.1	4.3	2.1	1.2	636	45	1,339	666	371
Southeast Alaska	2.8	1.4	4.7	2.9	1.0	871	424	1,472	894	322
British Columbia/Washington	16.1	13.2	19.5	16.2	1.9	5,000	4,093	6,061	5,029	599
								Total	31,038	

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 D74.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2024, seine (July 18–23; harvest = 13,614; n = 374). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	18.5	15.3	22.2	18.6	2.1	2,519	2,078	3,017	2,531	281
Russia	12.5	9.8	15.8	12.6	1.8	1,703	1,329	2,145	1,719	247
Kotzebue Sound	0.0	0.0	0.4	0.1	0.2	0	0	49	8	27
Coastal Western Alaska	4.5	2.8	6.8	4.6	1.2	615	382	930	629	169
Upper Yukon River	0.6	0.1	1.6	0.7	0.5	78	10	212	91	63
Northern Alaska Peninsula-east	2.3	0.8	4.5	2.4	1.1	314	112	607	330	149
Northern Alaska Peninsula-west	3.2	1.0	6.5	3.4	1.7	432	135	889	460	235
S. Alaska Pen./West Kodiak Island	38.3	30.9	45.5	38.3	4.5	5,215	4,205	6,195	5,213	614
Kodiak	4.6	0.1	10.0	4.4	3.3	620	11	1,356	597	448
Cook Inlet	2.1	1.1	3.6	2.2	0.8	288	147	495	302	108
Prince William Sound	3.4	1.6	5.8	3.5	1.3	462	218	784	477	171
Southeast Alaska	0.6	0.0	2.2	0.7	0.8	75	0	303	99	105
British Columbia/Washington	8.5	6.2	10.9	8.5	1.4	1,152	848	1,487	1,158	197
								Total	13,614	

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 D75.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2024, seine (July 26–September 5; harvest = 49,447; n = 374). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	5.7	3.9	8.0	5.8	1.3	2,836	1,919	3,952	2,881	621
Russia	4.6	2.8	6.9	4.7	1.2	2,279	1,399	3,389	2,320	603
Kotzebue Sound	0.0	0.0	1.3	0.3	0.4	23	0	623	147	213
Coastal Western Alaska	0.4	0.0	1.9	0.6	0.7	176	0	923	281	326
Upper Yukon River	0.2	0.0	0.8	0.3	0.3	101	7	417	142	141
Northern Alaska Peninsula-east	2.4	0.4	5.9	2.7	1.8	1,185	176	2,937	1,322	881
Northern Alaska Peninsula-west	2.7	0.0	5.9	2.8	1.7	1,312	3	2,906	1,379	862
S. Alaska Pen./West Kodiak Island	64.3	53.7	72.6	63.8	5.9	31,777	26,564	35,886	31,541	2,899
Kodiak	6.8	0.0	17.0	7.1	5.7	3,350	0	8,427	3,499	2,796
Cook Inlet	2.9	1.7	4.5	2.9	0.9	1,422	833	2,217	1,454	422
Prince William Sound	2.1	0.0	4.9	2.2	1.5	1,037	0	2,427	1,068	743
Southeast Alaska	0.0	0.0	0.4	0.1	0.2	0	0	198	30	93
British Columbia/Washington	6.8	4.8	9.1	6.8	1.3	3,360	2,392	4,505	3,383	650
								Total	49,447	

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 D76.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 1, 2024, gillnet (July 6–15; harvest = 1,699; n = 376). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	4.2	2.8	6.1	4.3	1.0	71	47	103	73	18
Russia	4.5	2.8	6.6	4.6	1.2	76	48	112	78	20
Kotzebue Sound	0.0	0.0	0.4	0.1	0.2	0	0	6	1	4
Coastal Western Alaska	5.9	4.0	8.2	6.0	1.3	101	68	140	102	22
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	4	1	2
Northern Alaska Peninsula-east	2.1	0.0	5.2	2.2	1.7	36	0	89	37	29
Northern Alaska Peninsula-west	0.3	0.0	2.0	0.6	0.7	5	0	33	9	12
S. Alaska Pen./West Kodiak Island	44.5	36.2	52.3	44.5	4.9	757	615	889	755	83
Kodiak	16.2	9.7	24.1	16.4	4.4	276	165	409	279	74
Cook Inlet	8.4	6.3	10.9	8.5	1.4	143	108	185	145	24
Prince William Sound	7.0	4.2	10.2	7.1	1.8	119	72	173	120	31
Southeast Alaska	2.6	1.1	4.6	2.7	1.1	44	18	79	46	19
British Columbia/Washington	3.0	1.8	4.7	3.1	0.9	51	31	80	53	15
								Total	1,699	

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 D77.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 2, 2024, gillnet (July 18–23; harvest = 1,295; n = 370). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	0.1	0.0	0.1	0	0	2	0	1
Russia	0.3	0.0	1.2	0.4	0.4	4	0	16	5	5
Kotzebue Sound	0.0	0.0	0.3	0.0	0.1	0	0	3	1	2
Coastal Western Alaska	1.2	0.5	2.4	1.3	0.6	15	6	31	17	8
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	2	0	1
Northern Alaska Peninsula-east	0.0	0.0	0.6	0.1	0.4	0	0	8	1	5
Northern Alaska Peninsula-west	0.0	0.0	0.9	0.1	0.4	0	0	11	2	5
S. Alaska Pen./West Kodiak Island	60.6	53.0	68.2	60.7	4.6	785	686	883	786	59
Kodiak	20.0	12.9	27.4	20.0	4.3	259	168	354	259	56
Cook Inlet	7.5	5.5	10.0	7.6	1.4	98	71	129	98	18
Prince William Sound	4.5	2.4	7.1	4.6	1.4	59	31	92	60	19
Southeast Alaska	2.9	1.4	4.8	3.0	1.1	37	18	63	38	14
British Columbia/Washington	2.1	1.1	3.5	2.2	0.8	27	14	46	28	10
								Total	1,295	

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 D78.–Southeastern and South Central Districts, South Alaska Peninsula area, July stratum 3, 2024, gillnet (July 26–September 5; harvest = 2,704; n = 371). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and 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	0.1	0.0	0.1	0	0	3	1	2
Russia	0.0	0.0	0.1	0.0	0.1	0	0	3	1	3
Kotzebue Sound	0.0	0.0	0.1	0.0	0.1	0	0	3	1	2
Coastal Western Alaska	0.0	0.0	0.1	0.0	0.1	0	0	3	1	2
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	3	1	2
Northern Alaska Peninsula-east	0.0	0.0	0.4	0.1	0.2	0	0	10	2	6
Northern Alaska Peninsula-west	0.0	0.0	1.4	0.2	0.7	0	0	37	6	19
S. Alaska Pen./West Kodiak Island	75.2	66.1	85.9	75.4	6.0	2,033	1,787	2,323	2,038	163
Kodiak	23.4	12.7	32.6	23.2	6.0	633	342	883	628	163
Cook Inlet	0.7	0.2	1.7	0.8	0.5	20	6	46	22	13
Prince William Sound	0.0	0.0	0.8	0.1	0.4	0	0	21	4	10
Southeast Alaska	0.0	0.0	0.3	0.1	0.2	0	0	8	1	5
British Columbia/Washington	0.0	0.0	0.1	0.0	0.1	0	0	4	1	2
								Total	2,704	

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 D79.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2024, seine (July 6–15; harvest = 4,411; n = 373). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	21.9	18.6	25.7	22.0	2.1	966	821	1,135	971	94
Russia	24.5	20.8	28.3	24.6	2.3	1,082	917	1,250	1,083	101
Kotzebue Sound	0.0	0.0	1.5	0.3	0.6	1	0	67	14	25
Coastal Western Alaska	11.7	8.7	15.1	11.8	2.0	516	383	664	518	86
Upper Yukon River	2.5	1.3	4.3	2.6	0.9	112	56	190	116	41
Northern Alaska Peninsula-east	5.6	3.5	8.3	5.7	1.5	246	153	366	251	66
Northern Alaska Peninsula-west	4.2	2.5	6.5	4.3	1.2	184	110	289	190	55
S. Alaska Pen./West Kodiak Island	6.1	3.2	9.2	6.1	1.8	271	140	405	270	81
Kodiak	0.1	0.0	3.1	0.8	1.1	3	0	139	33	49
Cook Inlet	0.2	0.0	0.8	0.3	0.3	9	1	37	13	12
Prince William Sound	0.6	0.0	2.0	0.8	0.7	28	0	88	33	29
Southeast Alaska	2.6	1.1	4.6	2.7	1.1	114	48	202	118	47
British Columbia/Washington	18.1	14.9	21.8	18.1	2.1	796	655	960	800	93
								Total	4,411	

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 D80.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2024, seine (July 18–23; harvest = 7,799; n = 354). Estimates of stock composition (%) and stock-specific harvest including median, 90% credibility interval (CI), mean and 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	19.9	27.3	23.5	2.3	1,837	1,552	2,131	1,836	177
Russia	17.7	14.3	21.5	17.8	2.2	1,377	1,114	1,680	1,385	169
Kotzebue Sound	1.5	0.2	3.2	1.6	0.9	117	19	249	124	69
Coastal Western Alaska	5.4	3.3	8.2	5.5	1.5	422	260	638	430	117
Upper Yukon River	1.2	0.4	2.6	1.3	0.7	95	33	206	105	53
Northern Alaska Peninsula-east	5.6	2.7	10.1	5.9	2.3	439	207	786	462	182
Northern Alaska Peninsula-west	3.2	0.9	6.0	3.2	1.5	246	71	465	253	119
S. Alaska Pen./West Kodiak Island	25.8	20.2	31.1	25.8	3.3	2,015	1,572	2,428	2,009	261
Kodiak	0.1	0.0	4.8	1.1	1.7	4	0	376	84	134
Cook Inlet	0.5	0.1	1.3	0.6	0.4	40	9	104	46	31
Prince William Sound	0.1	0.0	1.8	0.4	0.6	6	0	141	34	50
Southeast Alaska	3.9	2.1	6.2	4.0	1.3	306	166	486	313	98
British Columbia/Washington	9.2	6.8	11.9	9.2	1.6	714	529	925	718	122
								Total	7,799	

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 D81.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 3, 2024, seine (July 26–September 5; harvest = 3,350; n = 79). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	4.4	1.5	9.6	4.8	2.5	148	52	321	162	84
Russia	2.4	0.3	7.1	2.9	2.2	80	10	237	96	73
Kotzebue Sound	0.0	0.0	0.5	0.1	0.3	0	0	16	3	11
Coastal Western Alaska	0.0	0.0	0.5	0.1	0.3	0	0	18	3	10
Upper Yukon River	0.0	0.0	0.6	0.1	0.3	0	0	19	3	9
Northern Alaska Peninsula-east	0.0	0.0	1.2	0.2	0.6	0	0	39	6	20
Northern Alaska Peninsula-west	0.0	0.0	1.6	0.3	0.8	0	0	54	8	26
S. Alaska Pen./West Kodiak Island	81.7	67.9	92.2	81.2	7.7	2,738	2,274	3,090	2,719	259
Kodiak	6.6	0.0	19.4	7.3	6.8	221	0	649	243	226
Cook Inlet	0.0	0.0	0.6	0.1	0.4	0	0	20	4	13
Prince William Sound	0.0	0.0	1.0	0.2	0.5	0	0	34	6	17
Southeast Alaska	0.0	0.0	1.3	0.2	0.8	0	0	43	7	28
British Columbia/Washington	2.3	0.5	6.0	2.7	1.8	78	16	202	90	61
								Total	3,350	

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 D82.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 1, 2024, gillnet (July 6–15; harvest = 278; n = 135). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	4.2	1.8	7.9	4.4	1.9	12	5	22	12	5
Russia	10.2	6.1	15.3	10.4	2.8	28	17	43	29	8
Kotzebue Sound	0.0	0.0	0.9	0.2	0.5	0	0	2	0	2
Coastal Western Alaska	14.6	9.2	21.0	14.8	3.6	40	26	58	41	10
Upper Yukon River	0.0	0.0	3.0	0.7	1.1	0	0	8	2	3
Northern Alaska Peninsula-east	5.1	0.0	12.9	5.5	3.9	14	0	36	15	11
Northern Alaska Peninsula-west	3.4	0.0	8.7	3.7	2.8	10	0	24	10	8
S. Alaska Pen./West Kodiak Island	42.1	27.6	55.2	41.8	8.3	117	77	153	116	23
Kodiak	9.3	0.7	23.1	9.9	7.2	26	2	64	28	20
Cook Inlet	0.5	0.1	2.3	0.8	0.8	2	0	6	2	2
Prince William Sound	0.0	0.0	1.4	0.2	0.6	0	0	4	1	2
Southeast Alaska	0.0	0.0	0.8	0.1	0.4	0	0	2	0	1
British Columbia/Washington	7.1	4.1	11.4	7.4	2.2	20	11	32	20	6
								Total	278	

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 D83.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 2, 2024, gillnet (July 18–23; harvest = 1,043; n = 305). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	5.2	3.4	7.4	5.2	1.2	54	35	77	55	13
Russia	3.7	2.0	6.1	3.8	1.2	39	21	64	40	13
Kotzebue Sound	0.0	0.0	0.4	0.1	0.2	0	0	4	1	2
Coastal Western Alaska	3.8	1.9	6.3	3.9	1.3	39	19	65	40	14
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	2	0	1
Northern Alaska Peninsula-east	5.9	1.6	10.8	5.9	2.9	61	16	112	61	30
Northern Alaska Peninsula-west	18.8	12.8	24.9	18.8	3.6	196	134	260	196	38
S. Alaska Pen./West Kodiak Island	35.7	28.4	43.5	35.7	4.5	372	296	453	372	47
Kodiak	0.4	0.0	6.5	1.7	2.4	4	0	68	18	25
Cook Inlet	0.0	0.0	0.7	0.1	0.3	0	0	7	1	3
Prince William Sound	1.6	0.0	4.6	1.8	1.5	17	0	48	18	16
Southeast Alaska	1.3	0.0	4.2	1.6	1.4	14	0	43	16	14
British Columbia/Washington	21.4	17.6	25.8	21.5	2.5	223	184	269	224	26
								Total	1,043	

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 D84.–Unimak and Southwestern Districts, South Alaska Peninsula area, July stratum 3, 2024, gillnet (July 26–September 5; harvest = 7,996; n = 351). Estimates of stock composition (%) and stock-specific harvest, including median, 90% credibility interval (CI), mean, and SD.

	Stock composition					Stock-specific harvest				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.3	0.6	2.6	1.4	0.6	106	47	209	114	50
Russia	0.7	0.2	1.9	0.8	0.5	56	12	150	65	44
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	18	3	9
Coastal Western Alaska	0.6	0.0	1.8	0.7	0.6	48	0	142	54	48
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	9	2	6
Northern Alaska Peninsula-east	1.1	0.0	3.3	1.3	1.1	85	0	268	103	88
Northern Alaska Peninsula-west	9.9	6.7	13.9	10.1	2.2	793	533	1,111	804	177
S. Alaska Pen./W. Kodiak Island	61.6	52.1	67.6	60.9	4.7	4,923	4,165	5,405	4,873	375
Kodiak	0.5	0.0	10.6	2.7	3.7	41	0	848	220	294
Cook Inlet	0.5	0.1	1.4	0.6	0.4	41	7	113	48	34
Prince William Sound	0.0	0.0	0.9	0.1	0.4	0	0	71	11	31
Southeast Alaska	7.6	5.0	10.8	7.8	1.8	610	401	863	620	144
British Columbia/Washington	13.4	10.4	16.7	13.5	1.9	1,072	833	1,332	1,078	151
								Total	7,996	

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

Appendix E1.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2022, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 167,403; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	32.0	29.6	34.2	32.0	1.4	53,449	48,797	58,386	53,507	2,886
Russia	25.8	23.7	28.0	25.8	1.3	43,128	39,097	47,421	43,141	2,492
Kotzebue Sound	4.3	3.1	5.8	4.4	0.8	7,232	5,225	9,751	7,324	1,381
Coastal Western Alaska	13.3	11.5	15.3	13.4	1.1	22,341	19,230	25,775	22,371	1,988
Upper Yukon River	0.1	0.0	0.3	0.1	0.1	118	7	430	158	147
Northern Alaska Peninsula-east	0.1	0.0	0.6	0.2	0.2	214	0	1,064	329	377
Northern Alaska Peninsula-west	0.4	0.1	0.9	0.5	0.3	689	179	1,552	763	437
S. Alaska Pen./W. Kodiak I.	1.4	0.4	3.1	1.5	0.8	2,343	628	5,213	2,545	1,412
Kodiak	3.8	2.1	5.5	3.8	1.1	6,340	3,501	9,320	6,331	1,771
Cook Inlet	0.1	0.0	0.2	0.1	0.1	107	14	394	145	136
Prince William Sound	4.3	3.3	5.5	4.3	0.7	7,188	5,519	9,220	7,254	1,148
Southeast Alaska	0.9	0.4	1.8	1.0	0.5	1,504	598	3,091	1,627	769
British Columbia/Washington	13.1	11.5	14.7	13.1	1.0	21,813	19,051	24,851	21,909	1,764
								Total	167,403	

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 the experimental design table due to rounding error.

Appendix E2.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2022, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 177,964; 5 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	30.2	28.0	32.3	30.2	1.3	53,684	49,192	58,390	53,742	2,831
Russia	25.4	23.4	27.5	25.5	1.2	45,206	41,405	49,477	45,291	2,459
Kotzebue Sound	4.1	3.0	5.5	4.2	0.8	7,356	5,371	9,948	7,480	1,389
Coastal Western Alaska	13.4	11.7	15.3	13.5	1.1	23,866	20,764	27,410	23,942	1,996
Upper Yukon River	0.1	0.0	0.2	0.1	0.1	121	9	426	161	147
Northern Alaska Peninsula-east	0.1	0.0	0.6	0.2	0.2	223	2	1,058	335	378
Northern Alaska Peninsula-west	0.4	0.1	0.9	0.4	0.2	693	180	1,563	766	440
S. Alaska Pen./West Kodiak Island	2.8	1.8	4.5	2.9	0.8	5,036	3,114	8,016	5,202	1,500
Kodiak	3.7	2.1	5.4	3.7	1.0	6,651	3,742	9,643	6,652	1,822
Cook Inlet	0.1	0.0	0.2	0.1	0.1	142	36	434	178	139
Prince William Sound	5.8	4.8	6.9	5.8	0.7	10,264	8,472	12,346	10,337	1,184
Southeast Alaska	0.9	0.4	1.8	1.0	0.4	1,661	741	3,261	1,783	765
British Columbia/Washington	12.4	10.9	13.9	12.4	0.9	22,090	19,292	25,079	22,095	1,783
								Total	177,964	

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 the experimental design table due to rounding error.

Appendix E3.–Unimak and Southwestern Districts, South Alaska Peninsula area, June 2022, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SDs are reported.

	Proportions (%)					Harvest = 321,946; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	32.6	30.1	35.1	32.6	1.5	104,868	95,611	114,709	104,986	5,816
Russia	29.3	27.0	31.9	29.4	1.5	94,423	85,587	104,086	94,499	5,462
Kotzebue Sound	3.2	1.6	5.0	3.2	1.0	10,160	5,209	16,211	10,297	3,337
Coastal Western Alaska	17.2	15.0	19.7	17.3	1.5	55,455	48,035	64,048	55,671	4,948
Upper Yukon River	0.1	0.0	0.4	0.1	0.1	269	10	1,406	440	483
Northern Alaska Peninsula-east	1.5	0.8	2.6	1.6	0.5	4,771	2,579	8,350	5,001	1,754
Northern Alaska Peninsula-west	2.4	1.5	3.5	2.4	0.6	7,712	4,746	11,249	7,844	2,023
S. Alaska Pen./West Kodiak Island	2.1	0.9	3.7	2.2	0.8	6,787	2,925	11,759	7,074	2,719
Kodiak	0.8	0.1	1.8	0.8	0.5	2,425	274	5,677	2,595	1,755
Cook Inlet	0.1	0.0	0.2	0.1	0.1	170	38	521	212	168
Prince William Sound	3.1	2.3	4.1	3.1	0.6	10,023	7,295	13,243	10,127	1,805
Southeast Alaska	2.1	1.3	2.9	2.1	0.5	6,625	4,340	9,518	6,717	1,599
British Columbia/Washington	5.1	4.0	6.3	5.1	0.7	16,338	12,858	20,395	16,484	2,367
								Total	321,946	

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 E4.–Unimak and Southwestern Districts, South Alaska Peninsula area, June 2022, gillnet, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 44,280; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	9.7	8.3	11.4	9.8	0.9	4,304	3,656	5,062	4,322	435
Russia	28.7	26.3	31.1	28.7	1.5	12,683	11,506	13,962	12,700	750
Kotzebue Sound	5.4	3.6	7.7	5.5	1.3	2,390	1,586	3,423	2,433	575
Coastal Western Alaska	35.9	33.0	39.1	35.9	1.9	15,880	14,374	17,422	15,912	938
Upper Yukon River	0.3	0.0	0.9	0.4	0.3	147	18	399	169	120
Northern Alaska Peninsula-east	2.5	1.6	3.7	2.6	0.6	1,128	726	1,617	1,145	272
Northern Alaska Peninsula-west	0.9	0.4	1.5	0.9	0.3	388	198	666	404	148
S. Alaska Pen./West Kodiak Island	3.6	2.3	5.0	3.6	0.8	1,582	1,023	2,232	1,599	364
Kodiak	0.8	0.0	2.0	0.9	0.6	353	14	895	387	276
Cook Inlet	0.1	0.0	0.4	0.1	0.1	44	5	162	59	53
Prince William Sound	5.2	4.0	6.6	5.2	0.8	2,311	1,757	2,924	2,324	349
Southeast Alaska	3.1	2.1	4.3	3.1	0.7	1,367	947	1,911	1,387	294
British Columbia/Washington	3.2	2.4	4.2	3.3	0.5	1,428	1,073	1,859	1,440	241
								Total	44,280	

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 the experimental design table due to rounding error.

Appendix E5.–Unimak and Southwestern Districts, South Alaska Peninsula area, June 2022, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 366,470; 8 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	29.9	27.6	32.1	29.8	1.3	109,299	100,215	118,768	109,389	5,696
Russia	29.3	27.2	31.5	29.3	1.3	107,265	98,429	116,869	107,278	5,537
Kotzebue Sound	3.4	2.1	5.1	3.5	0.9	12,551	7,534	18,734	12,740	3,349
Coastal Western Alaska	19.5	17.5	21.7	19.5	1.3	71,405	63,773	79,995	71,609	4,975
Upper Yukon River	0.1	0.0	0.4	0.2	0.1	468	102	1,617	609	495
Northern Alaska Peninsula-east	1.6	1.0	2.6	1.7	0.5	5,964	3,652	9,541	6,152	1,764
Northern Alaska Peninsula-west	2.2	1.4	3.2	2.3	0.6	8,178	5,150	11,731	8,260	2,045
S. Alaska Pen./West Kodiak Island	2.3	1.2	3.7	2.4	0.8	8,395	4,382	13,488	8,679	2,765
Kodiak	0.8	0.2	1.7	0.8	0.5	2,824	573	6,057	2,985	1,781
Cook Inlet	0.1	0.0	0.2	0.1	0.0	227	77	606	271	178
Prince William Sound	3.4	2.6	4.3	3.4	0.5	12,352	9,613	15,731	12,463	1,853
Southeast Alaska	2.2	1.5	2.9	2.2	0.4	8,033	5,654	10,762	8,106	1,618
British Columbia/Washington	4.9	3.9	5.9	4.9	0.6	17,856	14,240	21,865	17,931	2,366
								Total	366,470	

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 the experimental design table due to rounding error.

Appendix E6.–Southeastern and South Central Districts, South Alaska Peninsula area, July 2022, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 126,137; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	8.3	7.0	9.6	8.3	0.8	10,396	8,749	12,230	10,440	1,053
Russia	4.5	3.5	5.7	4.6	0.7	5,692	4,448	7,227	5,755	841
Kotzebue Sound	0.1	0.0	0.5	0.1	0.2	88	0	670	184	237
Coastal Western Alaska	1.4	0.9	2.1	1.5	0.4	1,796	1,128	2,707	1,841	477
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	4	0	173	34	73
Northern Alaska Peninsula-east	0.3	0.1	1.1	0.4	0.3	396	71	1,346	507	411
Northern Alaska Peninsula-west	1.0	0.2	2.5	1.1	0.7	1,247	232	3,113	1,416	940
S. Alaska Pen./West Kodiak Island	36.9	29.5	42.4	36.4	4.2	46,479	37,067	54,100	45,916	5,389
Kodiak	6.5	2.6	13.6	7.3	3.7	8,042	3,212	17,342	9,178	4,753
Cook Inlet	2.6	1.8	3.6	2.6	0.5	3,236	2,268	4,509	3,296	693
Prince William Sound	3.9	2.7	5.4	4.0	0.8	4,939	3,403	6,814	4,990	1,049
Southeast Alaska	0.5	0.1	2.2	0.7	0.7	688	87	2,713	943	823
British Columbia/Washington	33.0	30.4	35.6	33.0	1.6	41,625	37,825	45,550	41,637	2,353
								Total	126,137	

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 the experimental design table due to rounding error.

Appendix E7.–Southeastern and South Central Districts, South Alaska Peninsula area, July 2022, gillnet, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 14,110; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.5	0.2	0.9	0.5	0.2	65	28	129	71	32
Russia	0.7	0.3	1.3	0.7	0.3	94	37	180	99	44
Kotzebue Sound	0.3	0.1	0.7	0.3	0.2	42	11	98	47	28
Coastal Western Alaska	0.4	0.1	0.9	0.4	0.2	55	17	121	61	33
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	16	3	7
Northern Alaska Peninsula-east	0.0	0.0	0.7	0.1	0.3	2	0	98	19	37
Northern Alaska Peninsula-west	0.2	0.0	0.9	0.3	0.3	32	0	131	44	45
S. Alaska Pen./West Kodiak Island	57.0	49.7	62.9	56.7	4.0	8,031	6,954	8,968	8,003	612
Kodiak	19.9	14.1	27.1	20.1	3.9	2,802	1,986	3,848	2,841	553
Cook Inlet	7.7	6.3	9.2	7.7	0.9	1,090	884	1,304	1,090	129
Prince William Sound	10.5	8.4	12.9	10.6	1.4	1,489	1,179	1,830	1,492	200
Southeast Alaska	0.1	0.0	0.8	0.2	0.3	8	0	116	27	41
British Columbia/Washington	2.2	1.5	3.1	2.2	0.5	309	210	432	314	68
								Total	14,110	

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 E8.–Southeastern and South Central Districts, South Alaska Peninsula area, July 2022, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 140,240; 6 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	7.5	6.3	8.7	7.5	0.7	10,492	8,840	12,283	10,508	1,052
Russia	4.1	3.3	5.2	4.2	0.6	5,809	4,578	7,311	5,851	842
Kotzebue Sound	0.1	0.0	0.5	0.2	0.2	139	23	716	231	240
Coastal Western Alaska	1.3	0.8	2.0	1.4	0.3	1,863	1,184	2,771	1,902	482
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	9	0	176	38	74
Northern Alaska Peninsula - east	0.3	0.1	1.0	0.4	0.3	414	83	1,385	527	415
Northern Alaska Peninsula - west	0.9	0.2	2.3	1.0	0.7	1,278	272	3,195	1,458	937
S. Alaska Pen./West Kodiak Island	39.0	32.1	44.0	38.5	3.8	54,407	44,712	62,238	53,925	5,555
Kodiak	7.8	4.2	14.4	8.6	3.4	10,888	5,829	20,268	12,007	4,845
Cook Inlet	3.1	2.4	4.0	3.1	0.5	4,336	3,343	5,602	4,386	695
Prince William Sound	4.6	3.5	5.9	4.6	0.8	6,428	4,824	8,316	6,483	1,061
Southeast Alaska	0.5	0.1	2.0	0.7	0.6	709	118	2,788	971	831
British Columbia/Washington	29.9	27.6	32.2	29.9	1.4	41,926	38,137	45,677	41,955	2,352
								Total	140,240	

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 the experimental design table due to rounding error.

Appendix E9.–Unimak and Southwestern Districts, South Alaska Peninsula area, July 2022, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 42,721; 2 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	15.7	12.8	18.9	15.7	1.9	6,655	5,419	8,169	6,704	843
Russia	15.3	12.4	18.9	15.4	2.0	6,551	5,240	8,168	6,602	905
Kotzebue Sound	4.3	2.4	7.2	4.5	1.5	1,830	1,009	3,065	1,903	643
Coastal Western Alaska	12.0	8.6	15.6	12.0	2.1	5,112	3,637	6,690	5,128	932
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	69	14	43
Northern Alaska Peninsula-east	2.7	0.8	6.3	3.0	1.7	1,170	321	2,718	1,293	741
Northern Alaska Peninsula-west	6.4	4.3	8.8	6.5	1.4	2,742	1,814	3,817	2,763	607
S. Alaska Pen./West Kodiak Island	14.5	10.6	18.4	14.5	2.4	6,182	4,526	7,856	6,180	1,023
Kodiak	7.6	4.3	11.3	7.7	2.1	3,259	1,834	4,828	3,288	911
Cook Inlet	0.1	0.0	0.7	0.2	0.3	27	0	322	77	115
Prince William Sound	3.6	2.1	5.8	3.7	1.1	1,540	886	2,474	1,591	487
Southeast Alaska	0.5	0.1	1.6	0.6	0.5	206	24	682	259	211
British Columbia/Washington	16.1	13.3	19.3	16.2	1.8	6,867	5,588	8,357	6,919	837
								Total	42,721	

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 the experimental design table due to rounding error.

Appendix E10.–Unimak and Southwestern Districts, South Alaska Peninsula area, July 2022, gillnet, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 5,829; 2 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.9	0.4	1.7	0.9	0.4	51	21	99	54	24
Russia	1.6	0.8	2.7	1.6	0.6	92	48	159	96	34
Kotzebue Sound	0.0	0.0	0.3	0.1	0.1	0	0	18	3	8
Coastal Western Alaska	1.0	0.4	1.9	1.1	0.5	58	23	110	62	28
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	8	2	4
Northern Alaska Peninsula-east	0.6	0.1	2.3	0.8	0.7	33	3	136	46	43
Northern Alaska Peninsula-west	8.3	5.0	12.0	8.4	2.1	484	289	699	488	124
S. Alaska Pen./West Kodiak Island	58.6	51.4	65.2	58.4	4.2	3,410	2,960	3,856	3,406	272
Kodiak	17.0	11.2	23.1	17.1	3.7	991	649	1,366	995	222
Cook Inlet	1.7	1.0	2.8	1.8	0.5	101	59	162	104	31
Prince William Sound	7.6	5.3	10.2	7.6	1.5	439	305	596	442	87
Southeast Alaska	0.1	0.0	1.9	0.4	0.6	4	0	108	25	38
British Columbia/Washington	1.7	1.0	2.8	1.8	0.6	101	58	166	106	33
								Total	5,829	

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

Appendix E11.–Unimak and Southwestern Districts, South Alaska Peninsula area, July 2022, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 48,516; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	13.9	11.4	16.7	13.9	1.6	6,701	5,451	8,227	6,754	852
Russia	13.7	11.1	16.8	13.8	1.8	6,647	5,312	8,259	6,691	905
Kotzebue Sound	3.8	2.1	6.3	3.9	1.3	1,832	1,016	3,087	1,905	645
Coastal Western Alaska	10.6	7.7	13.8	10.7	1.9	5,154	3,700	6,698	5,186	934
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	2	0	74	16	43
Northern Alaska Peninsula-east	2.5	0.8	5.6	2.8	1.5	1,206	367	2,747	1,337	738
Northern Alaska Peninsula-west	6.7	4.8	8.9	6.7	1.3	3,226	2,274	4,317	3,250	619
S. Alaska Pen./West Kodiak Island	19.8	16.2	23.2	19.8	2.2	9,596	7,886	11,370	9,583	1,054
Kodiak	8.8	5.7	12.0	8.8	1.9	4,271	2,793	5,878	4,279	932
Cook Inlet	0.3	0.1	0.9	0.4	0.2	142	69	420	181	118
Prince William Sound	4.1	2.7	6.0	4.2	1.0	1,978	1,305	2,900	2,031	494
Southeast Alaska	0.5	0.1	1.5	0.6	0.4	232	35	710	282	214
British Columbia/Washington	14.4	11.9	17.3	14.5	1.6	6,983	5,702	8,457	7,020	844
								Total	48,516	

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 E12.–South Alaska Peninsula area, July 2022, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 188,613; 10 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	9.1	8.0	10.3	9.1	0.7	17,234	15,074	19,535	17,253	1,351
Russia	6.6	5.6	7.7	6.7	0.6	12,535	10,559	14,629	12,542	1,217
Kotzebue Sound	1.1	0.6	1.8	1.1	0.4	2,054	1,160	3,415	2,139	691
Coastal Western Alaska	3.7	2.9	4.7	3.8	0.5	7,057	5,435	8,905	7,092	1,044
Upper Yukon River	0.0	0.0	0.1	0.0	0.0	21	1	220	53	87
Northern Alaska Peninsula-east	0.9	0.4	1.9	1.0	0.5	1,735	719	3,488	1,866	851
Northern Alaska Peninsula-west	2.4	1.6	3.5	2.5	0.6	4,561	3,100	6,719	4,712	1,129
S. Alaska Pen./West Kodiak Island	33.9	28.8	37.9	33.6	2.9	63,759	54,303	71,914	63,438	5,595
Kodiak	8.1	5.2	13.0	8.6	2.6	15,414	9,931	24,496	16,285	4,885
Cook Inlet	2.4	1.9	3.1	2.4	0.4	4,511	3,499	5,810	4,561	703
Prince William Sound	4.5	3.6	5.6	4.5	0.6	8,454	6,702	10,527	8,508	1,177
Southeast Alaska	0.5	0.2	1.7	0.7	0.5	990	311	3,175	1,253	884
British Columbia/Washington	26.0	24.0	27.7	25.9	1.2	48,984	44,801	53,015	48,911	2,502
								Total	188,613	

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 the experimental design table due to rounding error.

Appendix E13.–Southeastern and South Central Districts, South Alaska Peninsula area, August 2022, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 45,519; 2 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.8	1.0	3.0	1.8	0.6	810	449	1,341	841	270
Russia	0.0	0.0	0.1	0.0	0.1	1	0	59	12	32
Kotzebue Sound	0.0	0.0	0.5	0.1	0.2	5	0	218	43	80
Coastal Western Alaska	0.1	0.0	0.6	0.2	0.2	41	0	283	77	98
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	60	10	26
Northern Alaska Peninsula-east	0.0	0.0	1.5	0.2	0.6	2	0	685	102	254
Northern Alaska Peninsula-west	0.0	0.0	0.5	0.1	0.3	3	0	239	48	131
S. Alaska Pen./West Kodiak Island	45.0	38.3	52.6	45.0	4.3	20,442	17,069	24,256	20,504	2,149
Kodiak	48.3	40.9	54.7	48.1	4.3	21,953	18,405	25,302	21,896	2,132
Cook Inlet	0.1	0.0	0.3	0.1	0.1	34	3	140	48	46
Prince William Sound	1.2	0.6	2.0	1.2	0.5	539	269	922	562	209
Southeast Alaska	0.2	0.0	1.0	0.3	0.4	79	0	446	128	166
British Columbia/Washington	2.7	1.6	4.1	2.7	0.8	1,217	723	1,885	1,248	359
								Total	45,519	

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 the experimental design table due to rounding error.

Appendix E14.–Unimak and Southwestern Districts, South Alaska Peninsula area, August 2022, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SDs are reported.

	Proportions (%)					Harvest = 28,866; 2 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	0	0	55	11	30
Russia	0.0	0.0	0.3	0.1	0.1	1	0	74	15	42
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	55	11	34
Coastal Western Alaska	0.0	0.0	0.2	0.0	0.1	0	0	62	12	33
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	0	0	59	11	32
Northern Alaska Peninsula-east	0.0	0.0	0.6	0.1	0.3	1	0	187	33	89
Northern Alaska Peninsula-west	5.0	3.7	6.8	5.1	0.9	1,451	1,074	1,949	1,472	268
S. Alaska Pen./West Kodiak Island	86.9	78.8	93.9	86.7	4.7	25,019	22,323	27,753	25,035	1,631
Kodiak	6.6	0.0	14.6	6.8	4.5	1,882	1	4,212	1,953	1,304
Cook Inlet	0.3	0.1	0.8	0.4	0.2	93	29	229	106	63
Prince William Sound	0.1	0.0	0.9	0.3	0.4	42	0	266	76	106
Southeast Alaska	0.0	0.0	0.3	0.1	0.2	1	0	102	21	61
British Columbia/Washington	0.3	0.0	1.1	0.4	0.4	82	8	320	112	106
								Total	28,866	

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 the experimental design table due to rounding error.

Appendix E15.–South Alaska Peninsula area, August 2022, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 81,423; 5 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.0	0.6	1.7	1.0	0.3	821	455	1,355	854	272
Russia	0.0	0.0	0.2	0.0	0.1	18	0	125	36	56
Kotzebue Sound	0.0	0.0	0.3	0.1	0.1	18	0	245	55	87
Coastal Western Alaska	0.1	0.0	0.4	0.1	0.1	55	0	311	90	104
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	6	0	99	23	42
Northern Alaska Peninsula-east	0.0	0.0	0.9	0.2	0.3	29	0	764	141	269
Northern Alaska Peninsula-west	1.8	1.4	2.5	1.9	0.4	1,487	1,096	2,056	1,525	308
S. Alaska Pen./West Kodiak Island	63.1	58.1	68.0	63.1	3.0	51,364	46,924	55,588	51,356	2,675
Kodiak	30.5	25.8	35.3	30.5	2.9	24,793	20,753	28,988	24,855	2,543
Cook Inlet	0.2	0.1	0.4	0.2	0.1	143	55	298	156	77
Prince William Sound	0.9	0.6	1.5	1.0	0.3	761	450	1,243	794	247
Southeast Alaska	0.1	0.0	0.6	0.2	0.2	99	0	505	151	176
British Columbia/Washington	1.7	1.0	2.5	1.7	0.5	1,348	828	2,041	1,387	374
								Total	81,423	

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 the experimental design table due to rounding error.

Appendix E16.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2023, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 93,127; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	26.7	24.6	28.9	26.7	1.3	24,896	22,659	27,215	24,903	1,400
Russia	18.5	16.6	20.5	18.5	1.2	17,220	15,275	19,234	17,244	1,200
Kotzebue Sound	2.0	1.2	3.4	2.1	0.7	1,913	1,101	3,111	1,992	609
Coastal Western Alaska	22.5	20.3	24.7	22.5	1.3	20,891	18,738	23,292	20,939	1,368
Upper Yukon River	0.1	0.0	0.6	0.2	0.2	133	0	554	186	192
Northern Alaska Peninsula-east	1.1	0.5	1.9	1.1	0.4	1,008	476	1,811	1,054	403
Northern Alaska Peninsula-west	0.7	0.3	1.4	0.8	0.4	667	252	1,375	720	347
S. Alaska Pen./West Kodiak Island	7.9	6.0	9.7	7.9	1.1	7,363	5,556	9,134	7,351	1,101
Kodiak	2.8	1.5	4.6	2.9	0.9	2,584	1,440	4,330	2,697	886
Cook Inlet	0.1	0.0	0.3	0.1	0.1	78	8	313	107	101
Prince William Sound	7.8	6.3	9.5	7.9	1.0	7,281	5,847	8,983	7,334	948
Southeast Alaska	1.9	1.1	3.0	1.9	0.6	1,738	985	2,772	1,794	552
British Columbia/Washington	7.3	6.1	8.6	7.3	0.8	6,782	5,606	8,053	6,806	736
								Total	93,127	

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 the experimental design table due to rounding error.

Appendix E17.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 103,141; 5 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	24.3	22.4	26.3	24.3	1.2	25,016	22,814	27,366	25,051	1,392
Russia	18.1	16.3	19.9	18.0	1.1	18,610	16,633	20,704	18,614	1,230
Kotzebue Sound	1.9	1.1	3.1	2.0	0.6	1,956	1,128	3,161	2,025	612
Coastal Western Alaska	22.9	21.0	25.1	23.0	1.2	23,642	21,584	25,972	23,697	1,347
Upper Yukon River	0.2	0.0	0.6	0.2	0.2	190	2	623	236	205
Northern Alaska Peninsula-east	1.0	0.5	1.8	1.0	0.4	1,014	486	1,824	1,062	407
Northern Alaska Peninsula-west	0.6	0.2	1.3	0.7	0.3	664	254	1,373	723	351
S. Alaska Pen./West Kodiak Island	8.4	6.6	10.3	8.5	1.1	8,672	6,801	10,693	8,724	1,173
Kodiak	3.1	1.9	4.8	3.2	0.9	3,172	1,922	4,951	3,276	937
Cook Inlet	0.1	0.0	0.3	0.1	0.1	110	25	347	136	105
Prince William Sound	10.4	8.9	12.0	10.4	0.9	10,654	9,127	12,391	10,697	1,004
Southeast Alaska	2.0	1.2	3.0	2.0	0.5	2,049	1,263	3,087	2,098	566
British Columbia/Washington	6.6	5.5	7.8	6.6	0.7	6,768	5,612	8,070	6,802	739
								Total	103,141	

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 the experimental design table due to rounding error.

Appendix E18.–Unimak and Southwestern Districts, South Alaska Peninsula area, June 2023, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 72,439; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	25.7	23.4	28.3	25.8	1.5	18,640	16,718	20,766	18,672	1,224
Russia	17.7	15.4	19.9	17.7	1.3	12,826	11,050	14,580	12,797	1,062
Kotzebue Sound	0.8	0.2	2.4	1.0	0.7	574	144	1,768	714	517
Coastal Western Alaska	34.6	31.7	37.5	34.6	1.8	25,050	22,621	27,557	25,062	1,514
Upper Yukon River	0.5	0.1	1.3	0.6	0.4	393	105	980	446	282
Northern Alaska Peninsula-east	0.9	0.3	2.1	1.0	0.5	639	215	1,469	718	396
Northern Alaska Peninsula-west	2.2	1.3	3.5	2.3	0.7	1,596	935	2,585	1,649	500
S. Alaska Pen./West Kodiak Island	0.4	0.1	1.2	0.4	0.4	254	57	832	326	256
Kodiak	1.1	0.2	2.7	1.2	0.8	828	116	1,974	903	569
Cook Inlet	0.0	0.0	0.2	0.0	0.1	4	0	127	24	53
Prince William Sound	5.1	4.0	6.5	5.2	0.7	3,721	2,891	4,708	3,744	553
Southeast Alaska	1.4	0.9	2.2	1.5	0.4	1,024	625	1,614	1,058	306
British Columbia/Washington	8.7	7.3	10.3	8.7	0.9	6,307	5,263	7,511	6,326	691
								Total	72,439	

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 the experimental design table due to rounding error.

Appendix E19.–Unimak and Southwestern Districts, South Alaska Peninsula area, June 2023, gillnet, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 30,459; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	6.6	5.1	8.3	6.6	1.0	2,003	1,551	2,550	2,022	307
Russia	15.0	12.9	17.3	15.1	1.4	4,571	3,908	5,352	4,587	446
Kotzebue Sound	0.5	0.0	2.7	0.8	0.9	154	0	822	251	267
Coastal Western Alaska	33.3	30.0	36.8	33.4	2.0	10,156	9,033	11,333	10,166	694
Upper Yukon River	0.0	0.0	0.3	0.1	0.1	11	0	77	22	32
Northern Alaska Peninsula-east	1.6	0.3	3.5	1.7	1.0	489	92	1,082	512	308
Northern Alaska Peninsula-west	1.9	1.2	3.0	2.0	0.6	575	362	919	603	175
S. Alaska Pen./West Kodiak Island	5.2	3.1	7.5	5.2	1.3	1,567	938	2,295	1,578	408
Kodiak	1.1	0.3	2.7	1.2	0.8	318	103	806	370	249
Cook Inlet	0.0	0.0	0.1	0.0	0.1	8	1	43	13	17
Prince William Sound	18.5	16.2	21.0	18.5	1.5	5,622	4,904	6,458	5,640	468
Southeast Alaska	9.7	7.7	11.8	9.7	1.3	2,942	2,316	3,602	2,959	406
British Columbia/Washington	5.6	4.4	7.2	5.7	0.9	1,715	1,323	2,227	1,736	272
								Total	30,459	

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 the experimental design table due to rounding error.

Appendix E20.–Unimak and Southwestern Districts, South Alaska Peninsula area, June 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 102,897; 8 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	20.1	18.3	22.0	20.1	1.1	20,668	18,545	22,850	20,690	1,276
Russia	16.9	15.2	18.5	16.9	1.0	17,384	15,501	19,293	17,378	1,135
Kotzebue Sound	0.8	0.3	2.0	0.9	0.6	840	262	2,069	964	581
Coastal Western Alaska	34.3	31.9	36.5	34.2	1.4	35,211	32,462	37,997	35,227	1,707
Upper Yukon River	0.4	0.1	1.0	0.5	0.3	412	122	1,003	467	283
Northern Alaska Peninsula-east	1.1	0.5	2.1	1.2	0.5	1,179	502	2,142	1,230	499
Northern Alaska Peninsula-west	2.1	1.4	3.1	2.2	0.5	2,208	1,478	3,196	2,250	519
S. Alaska Pen./West Kodiak Island	1.8	1.1	2.7	1.9	0.5	1,862	1,154	2,779	1,904	498
Kodiak	1.2	0.4	2.4	1.2	0.6	1,192	408	2,455	1,274	630
Cook Inlet	0.0	0.0	0.1	0.0	0.1	19	2	149	38	56
Prince William Sound	9.1	8.0	10.3	9.1	0.7	9,387	8,268	10,606	9,390	723
Southeast Alaska	3.9	3.2	4.7	3.9	0.5	4,009	3,231	4,895	4,022	505
British Columbia/Washington	7.8	6.7	9.0	7.8	0.7	8,042	6,899	9,377	8,063	746
								Total	102,897	

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 the experimental design table due to rounding error.

Appendix E21.–Southeastern and South Central Districts, South Alaska Peninsula area, July 2023, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 223,489; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	9.5	7.9	11.2	9.5	1.0	21,109	17,481	25,296	21,246	2,371
Russia	7.5	6.0	9.1	7.5	1.0	16,697	13,255	20,411	16,739	2,212
Kotzebue Sound	0.0	0.0	0.3	0.1	0.1	26	0	601	135	233
Coastal Western Alaska	1.8	1.1	2.6	1.8	0.5	3,958	2,472	5,920	4,070	1,069
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	9	0	294	60	135
Northern Alaska Peninsula-east	0.3	0.0	0.8	0.3	0.3	559	33	1,830	709	621
Northern Alaska Peninsula-west	1.1	0.5	2.1	1.2	0.5	2,413	1,128	4,717	2,593	1,112
S. Alaska Pen./West Kodiak Island	57.3	50.0	63.6	57.1	4.2	127,654	110,793	144,232	127,687	10,292
Kodiak	12.2	6.9	19.0	12.4	3.9	27,200	15,342	42,810	27,772	8,839
Cook Inlet	1.0	0.5	1.8	1.1	0.4	2,289	1,159	4,075	2,405	886
Prince William Sound	4.4	2.6	6.5	4.5	1.2	9,750	5,815	14,576	9,963	2,681
Southeast Alaska	1.8	0.9	3.1	1.9	0.7	4,039	1,982	6,854	4,207	1,496
British Columbia/Washington	2.6	1.8	3.7	2.6	0.6	5,801	3,946	8,328	5,903	1,348
								Total	223,489	

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 the experimental design table due to rounding error.

Appendix E22.–Southeastern and South Central Districts, South Alaska Peninsula area, July 2023, gillnet, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SDs are reported.

	Proportions (%)					Harvest = 18,276; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2.3	1.6	3.2	2.3	0.5	418	285	584	425	90
Russia	0.3	0.1	0.9	0.4	0.3	61	12	168	73	51
Kotzebue Sound	0.0	0.0	0.6	0.1	0.2	7	0	114	27	44
Coastal Western Alaska	2.2	1.3	3.3	2.2	0.6	396	242	596	402	108
Upper Yukon River	0.0	0.0	0.1	0.0	0.0	1	0	22	4	9
Northern Alaska Peninsula-east	0.1	0.0	0.9	0.2	0.3	17	0	163	42	59
Northern Alaska Peninsula-west	0.1	0.0	1.2	0.3	0.5	11	0	225	50	83
S. Alaska Pen./West Kodiak Island	79.7	75.1	83.8	79.5	2.6	14,556	13,470	15,640	14,537	666
Kodiak	7.9	4.4	11.9	8.0	2.3	1,444	812	2,173	1,460	419
Cook Inlet	1.6	1.0	2.4	1.7	0.4	299	187	441	303	78
Prince William Sound	3.1	1.7	4.8	3.2	0.9	573	311	875	580	172
Southeast Alaska	0.4	0.0	1.3	0.5	0.4	71	3	239	89	76
British Columbia/Washington	1.5	0.9	2.3	1.6	0.4	277	165	425	284	80
								Total	18,276	

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 E23.–Southeastern and South Central Districts, South Alaska Peninsula area, July 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 241,803; 6 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	8.9	7.5	10.6	9.0	0.9	21,533	17,893	25,824	21,684	2,385
Russia	6.9	5.5	8.4	7.0	0.9	16,762	13,328	20,428	16,813	2,206
Kotzebue Sound	0.0	0.0	0.3	0.1	0.1	64	0	655	162	237
Coastal Western Alaska	1.8	1.2	2.6	1.9	0.4	4,363	2,851	6,345	4,474	1,069
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	16	0	297	65	136
Northern Alaska Peninsula-east	0.3	0.0	0.8	0.3	0.3	609	71	1,853	752	627
Northern Alaska Peninsula-west	1.0	0.5	2.0	1.1	0.5	2,474	1,169	4,742	2,645	1,111
S. Alaska Pen./West Kodiak Island	59.0	52.3	64.8	58.8	3.9	142,570	125,326	158,840	142,217	10,289
Kodiak	11.9	6.9	18.2	12.1	3.6	28,659	16,660	43,904	29,258	8,883
Cook Inlet	1.1	0.6	1.8	1.1	0.4	2,582	1,453	4,332	2,711	894
Prince William Sound	4.3	2.7	6.2	4.4	1.1	10,350	6,409	15,132	10,539	2,669
Southeast Alaska	1.7	0.9	2.9	1.8	0.6	4,164	2,059	7,048	4,297	1,500
British Columbia/Washington	2.5	1.7	3.5	2.6	0.5	6,095	4,196	8,586	6,185	1,339
								Total	241,803	

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 the experimental design table due to rounding error.

Appendix E24.–Unimak and Southwestern Districts, South Alaska Peninsula area, July 2023, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 129,533; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	25.3	22.8	28.0	25.3	1.6	32,694	29,102	36,994	32,809	2,422
Russia	19.6	17.4	22.3	19.7	1.5	25,384	22,244	29,273	25,506	2,116
Kotzebue Sound	0.8	0.0	2.0	0.9	0.6	1,080	37	2,660	1,175	810
Coastal Western Alaska	14.1	11.6	16.7	14.1	1.5	18,229	14,980	21,805	18,285	2,065
Upper Yukon River	1.3	0.7	2.3	1.4	0.5	1,715	858	3,013	1,793	659
Northern Alaska Peninsula-east	3.7	2.1	5.7	3.7	1.1	4,723	2,686	7,476	4,842	1,463
Northern Alaska Peninsula-west	9.3	7.3	11.5	9.4	1.3	12,062	9,374	14,994	12,128	1,708
S. Alaska Pen./West Kodiak Island	11.5	9.1	14.3	11.5	1.6	14,798	11,821	18,439	14,951	2,060
Kodiak	3.7	1.6	5.8	3.7	1.3	4,794	2,059	7,515	4,793	1,695
Cook Inlet	0.4	0.2	0.9	0.4	0.2	533	195	1,105	580	297
Prince William Sound	1.8	1.0	2.9	1.8	0.6	2,281	1,240	3,745	2,388	778
Southeast Alaska	1.6	0.8	2.6	1.6	0.5	2,041	1,041	3,384	2,101	717
British Columbia/Washington	6.3	5.0	7.9	6.3	0.9	8,128	6,394	10,224	8,184	1,174
								Total	129,533	

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 the experimental design table due to rounding error.

Appendix E25.–Unimak and Southwestern Districts, South Alaska Peninsula area, July 2023, gillnet, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 13,813; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.9	0.4	1.8	1.0	0.4	127	54	245	135	59
Russia	3.5	2.3	5.1	3.6	0.8	481	314	700	491	116
Kotzebue Sound	0.1	0.0	0.5	0.1	0.2	10	0	69	19	24
Coastal Western Alaska	1.5	0.7	2.6	1.6	0.6	204	96	368	215	83
Upper Yukon River	0.0	0.0	0.3	0.1	0.1	1	0	38	8	15
Northern Alaska Peninsula-east	6.7	4.2	9.7	6.8	1.7	928	580	1,339	939	234
Northern Alaska Peninsula-west	15.5	12.5	18.7	15.5	1.9	2,136	1,705	2,591	2,140	272
S. Alaska Pen./West Kodiak Island	58.5	52.9	63.5	58.4	3.2	8,080	7,212	8,900	8,072	505
Kodiak	5.2	2.5	9.9	5.6	2.3	718	335	1,369	766	317
Cook Inlet	0.7	0.3	1.4	0.8	0.4	98	38	197	105	49
Prince William Sound	3.1	1.5	5.0	3.2	1.1	430	210	694	439	147
Southeast Alaska	1.1	0.4	2.1	1.2	0.5	152	59	296	162	72
British Columbia/Washington	2.3	1.3	3.5	2.3	0.7	315	179	495	323	95
								Total	13,813	

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

Appendix E26.–Unimak and Southwestern Districts, South Alaska Peninsula area, July 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 143,492; 6 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	22.9	20.6	25.5	23.0	1.5	32,827	29,129	37,222	32,971	2,414
Russia	18.1	16.1	20.6	18.1	1.4	25,930	22,677	29,841	26,033	2,183
Kotzebue Sound	0.8	0.0	1.9	0.8	0.6	1,107	55	2,666	1,191	805
Coastal Western Alaska	12.9	10.6	15.2	12.9	1.4	18,448	15,163	22,056	18,518	2,081
Upper Yukon River	1.2	0.6	2.1	1.3	0.5	1,735	878	3,032	1,801	660
Northern Alaska Peninsula-east	3.9	2.5	5.8	4.0	1.0	5,639	3,552	8,407	5,788	1,475
Northern Alaska Peninsula-west	9.9	8.0	11.9	10.0	1.2	14,227	11,511	17,151	14,282	1,716
S. Alaska Pen./West Kodiak Island	15.9	13.8	18.6	16.1	1.5	22,883	19,870	26,556	23,044	2,072
Kodiak	3.9	1.9	5.9	3.9	1.2	5,547	2,741	8,452	5,570	1,739
Cook Inlet	0.4	0.2	0.9	0.5	0.2	638	284	1,228	686	300
Prince William Sound	1.9	1.2	3.0	2.0	0.6	2,740	1,678	4,236	2,830	793
Southeast Alaska	1.5	0.8	2.5	1.6	0.5	2,204	1,213	3,549	2,263	716
British Columbia/Washington	5.9	4.7	7.3	5.9	0.8	8,449	6,690	10,585	8,516	1,186
								Total	143,492	

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 the experimental design table due to rounding error.

Appendix E27.– South Alaska Peninsula area, July 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 385,233; 12 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	14.2	12.9	15.6	14.2	0.8	54,487	49,233	60,424	54,628	3,381
Russia	11.1	10.0	12.3	11.1	0.7	42,720	38,126	48,011	42,808	3,004
Kotzebue Sound	0.3	0.0	0.7	0.4	0.2	1,268	154	2,868	1,355	837
Coastal Western Alaska	5.9	5.0	7.0	6.0	0.6	22,879	19,262	26,985	22,977	2,364
Upper Yukon River	0.5	0.2	0.8	0.5	0.2	1,787	903	3,125	1,866	675
Northern Alaska Peninsula-east	1.7	1.1	2.4	1.7	0.4	6,389	4,176	9,337	6,530	1,603
Northern Alaska Peninsula-west	4.4	3.6	5.3	4.4	0.5	16,854	13,708	20,392	16,903	2,027
S. Alaska Pen./West Kodiak Island	43.0	38.6	46.9	42.9	2.6	165,675	147,928	182,702	165,367	10,753
Kodiak	8.9	5.6	12.9	9.0	2.4	34,261	21,580	49,847	34,772	9,115
Cook Inlet	0.8	0.5	1.3	0.9	0.2	3,271	2,044	5,100	3,396	930
Prince William Sound	3.4	2.4	4.7	3.5	0.7	13,218	9,071	18,198	13,370	2,817
Southeast Alaska	1.7	1.0	2.5	1.7	0.4	6,436	4,023	9,489	6,565	1,651
British Columbia/Washington	3.8	3.1	4.6	3.8	0.5	14,569	11,968	17,907	14,695	1,788
								Total	385,233	

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 the experimental design table due to rounding error.

Appendix E28.–Southeastern and South Central Districts, South Alaska Peninsula area, August 2023, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 255,840; 2 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	3.0	2.0	4.2	3.0	0.7	7,566	5,036	10,719	7,689	1,730
Russia	0.1	0.0	0.7	0.2	0.2	264	0	1,756	502	625
Kotzebue Sound	0.0	0.0	0.3	0.1	0.1	11	0	677	131	270
Coastal Western Alaska	0.0	0.0	0.4	0.1	0.1	33	0	923	206	355
Upper Yukon River	0.0	0.0	0.3	0.1	0.1	19	0	770	162	292
Northern Alaska Peninsula-east	0.0	0.0	1.1	0.2	0.4	32	0	2,851	507	1,084
Northern Alaska Peninsula-west	0.2	0.0	1.4	0.4	0.5	487	0	3,464	963	1,248
S. Alaska Pen./West Kodiak Island	67.2	60.2	74.8	67.3	4.5	171,983	151,485	195,083	172,252	13,059
Kodiak	24.7	17.4	31.9	24.7	4.4	63,252	43,850	82,149	63,134	11,518
Cook Inlet	0.6	0.2	1.2	0.6	0.3	1,508	586	3,103	1,643	803
Prince William Sound	2.4	0.6	4.2	2.4	1.1	6,121	1,645	10,823	6,175	2,782
Southeast Alaska	0.5	0.0	1.7	0.6	0.6	1,356	0	4,361	1,583	1,522
British Columbia/Washington	0.1	0.0	1.3	0.3	0.5	193	0	3,429	893	1,234
								Total	255,840	

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 the experimental design table due to rounding error.

Appendix E29.–Southeastern and South Central Districts, South Alaska Peninsula area, August 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 267,101; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2.8	1.9	4.0	2.9	0.6	7,584	5,151	10,771	7,673	1,705
Russia	0.1	0.0	0.7	0.2	0.2	269	0	1,733	504	621
Kotzebue Sound	0.0	0.0	0.3	0.1	0.1	28	0	675	141	266
Coastal Western Alaska	0.0	0.0	0.4	0.1	0.1	53	0	955	215	354
Upper Yukon River	0.0	0.0	0.3	0.1	0.1	23	0	764	163	289
Northern Alaska Peninsula-east	0.0	0.0	1.1	0.2	0.4	121	0	2,913	571	1,086
Northern Alaska Peninsula-west	0.2	0.0	1.3	0.4	0.5	491	0	3,493	961	1,231
S. Alaska Pen./West Kodiak Island	67.0	60.1	74.3	67.1	4.3	178,910	158,809	202,171	179,261	13,027
Kodiak	24.8	17.8	31.8	24.8	4.2	66,071	47,250	85,864	66,194	11,582
Cook Inlet	0.8	0.4	1.4	0.8	0.3	2,145	1,156	3,752	2,267	820
Prince William Sound	2.5	0.8	4.2	2.5	1.0	6,556	2,172	11,216	6,633	2,772
Southeast Alaska	0.5	0.0	1.7	0.6	0.6	1,351	0	4,445	1,588	1,526
British Columbia/Washington	0.1	0.0	1.3	0.3	0.5	227	8	3,493	928	1,234
								Total	267,101	

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 the experimental design table due to rounding error.

Appendix E30.–Unimak and Southwestern Districts, South Alaska Peninsula area, August 2023, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 256,323; 2 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.1	0.0	0.1	2	0	282	52	134
Russia	0.0	0.0	0.1	0.0	0.1	3	0	367	67	164
Kotzebue Sound	0.0	0.0	0.1	0.0	0.1	3	0	335	62	173
Coastal Western Alaska	0.0	0.0	0.1	0.0	0.0	2	0	270	49	126
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	2	0	297	57	145
Northern Alaska Peninsula-east	0.0	0.0	0.4	0.1	0.2	8	0	993	185	486
Northern Alaska Peninsula-west	0.5	0.0	2.2	0.7	0.8	1,230	0	5,610	1,799	1,943
S. Alaska Pen./West Kodiak Island	90.4	84.7	95.4	90.2	3.1	231,411	212,049	251,537	231,333	11,755
Kodiak	7.9	3.0	13.5	8.0	3.1	20,099	7,868	34,644	20,481	7,875
Cook Inlet	0.2	0.1	0.7	0.3	0.2	632	154	1,814	761	530
Prince William Sound	0.3	0.0	1.4	0.5	0.5	825	0	3,491	1,160	1,210
Southeast Alaska	0.0	0.0	0.5	0.1	0.2	13	0	1,359	246	532
British Columbia/Washington	0.0	0.0	0.1	0.0	0.1	3	0	361	71	177
								Total	256,323	

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

Appendix E31.–Unimak and Southwestern Districts, South Alaska Peninsula area, August 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 262,483; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	0.0	0.0	0.1	0.0	0.1	5	0	281	54	136
Russia	0.0	0.0	0.2	0.0	0.1	66	13	433	117	170
Kotzebue Sound	0.0	0.0	0.1	0.0	0.1	5	0	346	64	176
Coastal Western Alaska	0.0	0.0	0.1	0.0	0.0	5	0	286	53	129
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	5	0	295	59	145
Northern Alaska Peninsula-east	0.1	0.0	0.4	0.1	0.2	169	27	1,160	331	512
Northern Alaska Peninsula-west	1.0	0.4	2.6	1.2	0.7	2,615	1,155	6,871	3,155	1,965
S. Alaska Pen./West Kodiak Island	89.5	84.0	94.4	89.4	3.1	234,553	215,901	253,475	234,685	11,325
Kodiak	8.0	3.3	13.4	8.1	3.0	20,847	8,749	35,461	21,266	7,852
Cook Inlet	0.3	0.1	0.7	0.3	0.2	694	199	1,893	815	528
Prince William Sound	0.5	0.1	1.5	0.6	0.5	1,205	302	3,895	1,542	1,217
Southeast Alaska	0.0	0.0	0.5	0.1	0.2	43	0	1,339	261	535
British Columbia/Washington	0.0	0.0	0.1	0.0	0.1	14	0	364	82	176
								Total	262,483	

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 the experimental design table due to rounding error.

Appendix E32.–South Alaska Peninsula area, August 2023, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 530,575; 6 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.4	1.0	2.0	1.5	0.3	7,643	5,154	10,810	7,755	1,737
Russia	0.1	0.0	0.4	0.1	0.1	421	35	1,902	625	646
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	78	0	853	206	325
Coastal Western Alaska	0.0	0.0	0.2	0.1	0.1	110	1	1,048	268	376
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	80	0	912	224	327
Northern Alaska Peninsula-east	0.1	0.0	0.7	0.2	0.2	450	66	3,520	905	1,193
Northern Alaska Peninsula-west	0.7	0.3	1.6	0.8	0.4	3,636	1,363	8,458	4,120	2,285
S. Alaska Pen./West Kodiak Island	78.1	73.9	82.4	78.2	2.6	414,224	386,888	443,350	414,680	17,015
Kodiak	16.6	12.3	20.6	16.5	2.5	87,933	64,921	109,538	87,651	13,534
Cook Inlet	0.6	0.3	0.9	0.6	0.2	2,957	1,714	4,863	3,085	987
Prince William Sound	1.5	0.6	2.5	1.5	0.6	8,108	3,341	13,352	8,191	3,044
Southeast Alaska	0.3	0.0	0.9	0.3	0.3	1,654	8	4,737	1,852	1,600
British Columbia/Washington	0.1	0.0	0.7	0.2	0.2	384	17	3,575	1,014	1,254
								Total	530,575	

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 the experimental design table due to rounding error.

Appendix E33.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2024, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 134,805; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	32.1	29.9	34.4	32.1	1.4	43,279	39,767	47,207	43,322	2,226
Russia	12.8	11.2	14.6	12.9	1.0	17,259	15,041	19,861	17,324	1,473
Kotzebue Sound	0.1	0.0	0.5	0.1	0.2	75	0	610	162	228
Coastal Western Alaska	23.3	21.3	25.5	23.4	1.3	31,458	28,473	34,702	31,517	1,887
Upper Yukon River	0.2	0.0	0.7	0.2	0.2	217	1	876	289	293
Northern Alaska Peninsula-east	1.7	0.8	3.3	1.8	0.8	2,288	1,082	4,409	2,457	1,027
Northern Alaska Peninsula-west	2.8	1.7	4.1	2.8	0.7	3,761	2,199	5,517	3,802	982
S. Alaska Pen./West Kodiak Island	2.1	1.2	3.6	2.3	0.8	2,868	1,665	4,922	3,040	1,020
Kodiak	0.2	0.0	1.5	0.4	0.5	310	31	2,024	585	671
Cook Inlet	0.1	0.0	0.2	0.1	0.1	75	9	282	104	98
Prince William Sound	0.5	0.2	1.0	0.5	0.2	640	320	1,296	704	307
Southeast Alaska	1.5	0.8	2.2	1.5	0.4	1,945	1,137	3,015	1,990	573
British Columbia/Washington	21.9	19.8	24.0	21.9	1.3	29,386	26,459	32,836	29,510	1,910
								Total	134,805	

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 the experimental design table due to rounding error.

Appendix E34.–Southeastern and South Central Districts, South Alaska Peninsula area, June 2024, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 142,569; 5 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	30.7	28.5	32.8	30.7	1.3	43,721	40,191	47,439	43,711	2,210
Russia	12.8	11.3	14.5	12.9	1.0	18,290	15,993	20,743	18,323	1,472
Kotzebue Sound	0.2	0.0	0.6	0.2	0.2	224	20	795	288	251
Coastal Western Alaska	24.5	22.5	26.6	24.5	1.2	34,938	31,988	38,243	34,992	1,892
Upper Yukon River	0.2	0.0	0.6	0.2	0.2	265	12	908	336	299
Northern Alaska Peninsula-east	2.0	1.2	3.6	2.1	0.7	2,900	1,639	5,055	3,059	1,043
Northern Alaska Peninsula-west	2.8	1.7	4.0	2.8	0.7	3,980	2,394	5,711	4,000	994
S. Alaska Pen./West Kodiak Island	2.2	1.3	3.6	2.3	0.7	3,107	1,892	5,184	3,271	1,016
Kodiak	0.5	0.3	1.7	0.7	0.5	770	366	2,478	1,009	677
Cook Inlet	0.1	0.0	0.2	0.1	0.1	76	10	287	105	98
Prince William Sound	0.8	0.5	1.3	0.8	0.2	1,136	748	1,808	1,187	331
Southeast Alaska	1.5	0.9	2.2	1.5	0.4	2,140	1,336	3,201	2,180	577
British Columbia/Washington	21.1	19.1	23.1	21.1	1.2	30,052	26,949	33,377	30,108	1,945
								Total	142,569	

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 the experimental design table due to rounding error.

Appendix E35.–Unimak and Southwestern Districts, South Alaska Peninsula area, June 2024, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 201,110; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	37.1	34.5	39.6	37.1	1.5	74,537	68,179	81,084	74,518	3,903
Russia	19.3	17.3	21.6	19.4	1.3	38,872	34,453	43,811	38,934	2,843
Kotzebue Sound	0.2	0.0	0.9	0.3	0.3	476	41	1,803	637	571
Coastal Western Alaska	20.6	18.3	23.0	20.6	1.4	41,441	36,386	46,619	41,502	3,151
Upper Yukon River	0.6	0.1	1.2	0.6	0.3	1,127	214	2,380	1,200	665
Northern Alaska Peninsula-east	1.8	0.7	3.4	1.9	0.8	3,700	1,439	6,835	3,826	1,653
Northern Alaska Peninsula-west	3.0	2.0	4.2	3.0	0.7	6,012	3,995	8,526	6,105	1,385
S. Alaska Pen./West Kodiak Island	0.4	0.1	1.7	0.6	0.5	865	194	3,421	1,197	1,022
Kodiak	1.0	0.0	2.0	1.0	0.6	2,009	62	4,044	2,042	1,161
Cook Inlet	0.0	0.0	0.1	0.0	0.0	8	0	194	41	91
Prince William Sound	0.2	0.1	0.4	0.2	0.1	422	163	844	451	211
Southeast Alaska	0.8	0.4	1.4	0.8	0.3	1,591	813	2,782	1,668	610
British Columbia/Washington	14.4	12.7	16.2	14.4	1.0	28,879	25,416	32,900	28,988	2,292
								Total	201,110	

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 the experimental design table due to rounding error.

Appendix E36.–Unimak and Southwestern Districts, South Alaska Peninsula area, June 2024, gillnet, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 107,309; 4 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	15.7	14.0	17.5	15.7	1.1	16,830	14,908	19,010	16,866	1,249
Russia	18.3	16.3	20.3	18.3	1.2	19,599	17,295	22,051	19,626	1,439
Kotzebue Sound	0.1	0.0	1.0	0.3	0.3	160	1	1,051	293	358
Coastal Western Alaska	40.6	38.0	43.0	40.5	1.5	43,540	40,126	46,873	43,498	2,039
Upper Yukon River	0.6	0.2	1.3	0.7	0.3	667	224	1,386	719	358
Northern Alaska Peninsula-east	1.4	0.8	2.2	1.5	0.4	1,523	905	2,384	1,566	445
Northern Alaska Peninsula-west	3.5	2.7	4.5	3.5	0.6	3,718	2,846	4,800	3,762	600
S. Alaska Pen./West Kodiak Island	1.8	1.0	2.9	1.9	0.6	1,977	1,098	3,071	2,015	597
Kodiak	0.2	0.0	0.8	0.3	0.3	227	30	881	313	282
Cook Inlet	0.0	0.0	0.1	0.0	0.0	4	0	97	22	48
Prince William Sound	1.3	0.7	2.2	1.4	0.4	1,446	793	2,349	1,482	461
Southeast Alaska	1.1	0.6	1.8	1.2	0.4	1,196	691	1,930	1,239	388
British Columbia/Washington	14.8	13.0	16.7	14.8	1.1	15,860	13,895	18,073	15,907	1,292
								Total	107,309	

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 the experimental design table due to rounding error.

Appendix E37.–Unimak and Southwestern Districts, South Alaska Peninsula area, June 2024, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 308,383; 8 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	29.6	27.8	31.4	29.6	1.1	91,288	84,895	98,076	91,329	4,044
Russia	19.0	17.5	20.5	19.0	0.9	58,515	53,359	63,946	58,558	3,200
Kotzebue Sound	0.3	0.0	0.7	0.3	0.2	778	152	2,198	930	659
Coastal Western Alaska	27.5	25.8	29.4	27.6	1.1	84,913	78,994	91,456	85,019	3,770
Upper Yukon River	0.6	0.3	1.0	0.6	0.2	1,856	784	3,225	1,917	739
Northern Alaska Peninsula-east	1.7	0.9	2.7	1.7	0.5	5,194	2,901	8,480	5,394	1,701
Northern Alaska Peninsula-west	3.2	2.4	4.1	3.2	0.5	9,809	7,481	12,572	9,873	1,528
S. Alaska Pen./West Kodiak Island	1.0	0.5	1.8	1.0	0.4	2,973	1,698	5,567	3,211	1,194
Kodiak	0.7	0.1	1.4	0.8	0.4	2,307	392	4,370	2,352	1,186
Cook Inlet	0.0	0.0	0.1	0.0	0.0	26	0	239	63	103
Prince William Sound	0.6	0.4	0.9	0.6	0.2	1,887	1,173	2,866	1,934	507
Southeast Alaska	0.9	0.6	1.4	0.9	0.2	2,839	1,847	4,166	2,908	725
British Columbia/Washington	14.6	13.2	15.9	14.6	0.8	44,882	40,744	49,272	44,895	2,606
								Total	308,383	

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 the experimental design table due to rounding error.

Appendix E38.–Southeastern and South Central Districts, South Alaska Peninsula area, July 2024, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 93,984; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	13.9	12.2	15.8	13.9	1.1	13,055	11,352	14,926	13,093	1,073
Russia	7.0	5.7	8.5	7.1	0.9	6,589	5,380	8,084	6,644	820
Kotzebue Sound	0.1	0.0	0.7	0.2	0.3	106	0	687	202	245
Coastal Western Alaska	2.4	1.6	3.4	2.4	0.6	2,223	1,479	3,210	2,266	530
Upper Yukon River	0.2	0.1	0.6	0.3	0.2	207	57	541	241	160
Northern Alaska Peninsula-east	2.1	0.9	4.1	2.3	1.0	1,992	854	3,824	2,135	937
Northern Alaska Peninsula-west	2.7	1.2	4.6	2.8	1.0	2,539	1,105	4,332	2,596	979
S. Alaska Pen./West Kodiak Island	50.1	44.2	55.0	49.9	3.4	46,901	40,983	52,821	46,876	3,588
Kodiak	4.5	0.5	10.2	4.7	3.1	4,227	465	9,654	4,458	2,926
Cook Inlet	2.8	2.0	3.8	2.9	0.5	2,636	1,898	3,590	2,682	524
Prince William Sound	2.3	1.0	3.9	2.3	0.9	2,144	975	3,705	2,208	829
Southeast Alaska	1.1	0.5	1.7	1.1	0.4	989	498	1,636	1,022	354
British Columbia/Washington	10.1	8.7	11.8	10.2	1.0	9,490	8,097	11,184	9,560	957
								Total	93,984	

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 the experimental design table due to rounding error.

Appendix E39.–Southeastern and South Central Districts, South Alaska Peninsula area, July 2024, gillnet, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 5,699; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.3	0.8	1.8	1.3	0.3	72	47	105	73	18
Russia	1.4	0.9	2.1	1.5	0.4	82	52	120	83	21
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	12	2	5
Coastal Western Alaska	2.1	1.4	2.8	2.1	0.4	118	81	161	119	24
Upper Yukon River	0.0	0.0	0.1	0.0	0.1	0	0	7	1	3
Northern Alaska Peninsula-east	0.7	0.0	1.7	0.7	0.5	38	0	94	40	31
Northern Alaska Peninsula-west	0.2	0.0	1.0	0.3	0.4	11	0	56	17	23
S. Alaska Pen./West Kodiak Island	62.7	57.7	68.3	62.8	3.2	3,572	3,233	3,945	3,581	219
Kodiak	20.6	15.1	25.3	20.5	3.2	1,176	857	1,452	1,166	183
Cook Inlet	4.6	3.8	5.7	4.7	0.6	263	215	323	265	33
Prince William Sound	3.2	2.2	4.3	3.2	0.7	182	125	249	184	38
Southeast Alaska	1.5	0.9	2.2	1.5	0.4	83	50	127	85	24
British Columbia/Washington	1.4	0.9	2.0	1.4	0.3	80	54	115	81	19
								Total	5,699	

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 the experimental design table due to rounding error.

Appendix E40.–Southeastern and South Central Districts, South Alaska Peninsula area, July 2024, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SDs are reported.

	Proportions (%)					Harvest = 99,810; 6 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	13.2	11.6	15.0	13.2	1.0	13,147	11,481	15,060	13,190	1,080
Russia	6.7	5.5	8.1	6.7	0.8	6,706	5,439	8,166	6,738	819
Kotzebue Sound	0.1	0.0	0.7	0.2	0.2	109	0	691	204	244
Coastal Western Alaska	2.4	1.6	3.3	2.4	0.5	2,354	1,605	3,299	2,389	527
Upper Yukon River	0.2	0.1	0.5	0.2	0.2	209	58	544	243	160
Northern Alaska Peninsula-east	2.0	0.9	3.9	2.2	0.9	2,056	889	3,916	2,178	935
Northern Alaska Peninsula-west	2.5	1.1	4.4	2.6	1.0	2,546	1,099	4,368	2,619	988
S. Alaska Pen./West Kodiak Island	50.9	45.3	55.4	50.6	3.2	50,659	44,690	56,195	50,544	3,513
Kodiak	5.4	1.6	10.9	5.6	2.9	5,366	1,630	10,777	5,637	2,952
Cook Inlet	2.9	2.2	3.9	3.0	0.5	2,918	2,165	3,890	2,951	519
Prince William Sound	2.3	1.2	3.9	2.4	0.8	2,336	1,127	3,932	2,397	832
Southeast Alaska	1.1	0.6	1.7	1.1	0.4	1,085	586	1,707	1,110	357
British Columbia/Washington	9.6	8.3	11.2	9.7	0.9	9,612	8,176	11,329	9,662	968
								Total	99,862	

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 the experimental design table due to rounding error.

Appendix E41.–Unimak and Southwestern Districts, South Alaska Peninsula area, July 2024, seine, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 15,556; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	19.1	16.8	21.4	19.1	1.4	2,967	2,589	3,362	2,968	239
Russia	16.4	14.3	18.8	16.5	1.4	2,562	2,211	2,969	2,564	230
Kotzebue Sound	0.9	0.2	1.8	0.9	0.5	133	30	272	141	74
Coastal Western Alaska	6.1	4.7	7.7	6.1	0.9	943	723	1,205	952	150
Upper Yukon River	1.4	0.8	2.3	1.4	0.4	215	124	349	224	69
Northern Alaska Peninsula-east	4.5	2.8	6.9	4.6	1.3	697	433	1,075	718	196
Northern Alaska Peninsula-west	2.8	1.6	4.3	2.9	0.9	441	249	681	452	135
S. Alaska Pen./West Kodiak Island	32.1	27.9	36.2	32.1	2.6	5,002	4,312	5,682	4,996	420
Kodiak	2.1	0.0	5.5	2.3	1.8	329	1	854	360	274
Cook Inlet	0.4	0.1	0.8	0.4	0.2	56	18	131	62	36
Prince William Sound	0.4	0.0	1.2	0.5	0.4	58	1	191	72	60
Southeast Alaska	2.8	1.7	4.1	2.8	0.7	427	271	641	439	112
British Columbia/Washington	10.3	8.6	12.1	10.3	1.1	1,605	1,333	1,898	1,608	172
								Total	15,556	

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 the experimental design table due to rounding error.

Appendix E42.–Unimak and Southwestern Districts, South Alaska Peninsula area, July 2024, gillnet, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 9,313; 3 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	1.9	1.2	3.0	1.9	0.6	174	109	279	181	52
Russia	1.4	0.8	2.4	1.4	0.5	126	74	222	134	46
Kotzebue Sound	0.0	0.0	0.2	0.0	0.1	0	0	20	4	10
Coastal Western Alaska	1.4	0.7	2.5	1.5	0.5	129	68	230	136	51
Upper Yukon River	0.0	0.0	0.2	0.0	0.1	1	0	14	4	7
Northern Alaska Peninsula-east	1.7	0.6	3.8	1.9	1.0	163	58	358	179	94
Northern Alaska Peninsula-west	10.7	7.8	14.2	10.8	1.9	996	722	1,341	1,010	185
S. Alaska Pen./West Kodiak Island	58.0	49.9	63.4	57.5	4.1	5,383	4,592	6,060	5,360	447
Kodiak	1.1	0.1	9.6	2.8	3.2	107	7	888	265	298
Cook Inlet	0.5	0.1	1.3	0.6	0.4	45	11	118	52	34
Prince William Sound	0.2	0.0	1.0	0.3	0.4	22	0	95	30	35
Southeast Alaska	6.7	4.5	9.5	6.8	1.6	623	410	888	637	148
British Columbia/Washington	14.2	11.6	17.0	14.2	1.6	1,317	1,067	1,603	1,323	163
								Total	9,313	

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

Appendix E43.–Unimak and Southwestern Districts, South Alaska Peninsula area, July 2024, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 24,895; 6 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	12.7	11.2	14.2	12.7	0.9	3,150	2,758	3,560	3,153	243
Russia	10.8	9.4	12.3	10.8	0.9	2,694	2,335	3,096	2,701	230
Kotzebue Sound	0.5	0.1	1.1	0.6	0.3	137	33	279	145	76
Coastal Western Alaska	4.3	3.4	5.4	4.4	0.6	1,082	846	1,356	1,088	155
Upper Yukon River	0.9	0.5	1.4	0.9	0.3	220	126	358	228	69
Northern Alaska Peninsula-east	3.5	2.3	5.1	3.6	0.9	884	576	1,283	899	216
Northern Alaska Peninsula-west	5.8	4.5	7.5	5.9	0.9	1,445	1,114	1,864	1,463	229
S. Alaska Pen./West Kodiak Island	41.8	37.8	45.1	41.6	2.2	10,371	9,338	11,356	10,366	614
Kodiak	2.3	0.3	5.6	2.5	1.7	572	64	1,378	625	411
Cook Inlet	0.4	0.2	0.8	0.5	0.2	109	46	201	114	48
Prince William Sound	0.3	0.1	0.9	0.4	0.3	87	17	234	102	70
Southeast Alaska	4.3	3.2	5.6	4.3	0.7	1,067	780	1,394	1,076	186
British Columbia/Washington	11.8	10.3	13.3	11.8	0.9	2,931	2,545	3,334	2,933	242
								Total	24,895	

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 E44.–South Alaska Peninsula area, July 2024, all strata. Reporting group-specific stock composition and harvest estimates. Median, 90% credibility intervals (CI), means, and SD are reported.

	Proportions (%)					Harvest = 124,709; 12 strata				
		90% CI					90% CI			
Reporting group	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	13.1	11.8	14.5	13.1	0.8	16,265	14,557	18,276	16,333	1,130
Russia	7.5	6.5	8.7	7.6	0.7	9,425	8,048	10,883	9,434	851
Kotzebue Sound	0.2	0.1	0.7	0.3	0.2	272	73	865	350	253
Coastal Western Alaska	2.8	2.1	3.5	2.8	0.4	3,431	2,657	4,431	3,475	549
Upper Yukon River	0.4	0.2	0.6	0.4	0.1	442	242	793	470	175
Northern Alaska Peninsula-east	2.4	1.4	3.9	2.5	0.8	2,964	1,696	4,834	3,076	960
Northern Alaska Peninsula-west	3.2	2.1	4.7	3.3	0.8	3,995	2,570	5,900	4,082	1,009
S. Alaska Pen./West Kodiak Island	49.0	44.6	52.8	48.8	2.5	61,166	54,912	66,521	60,901	3,594
Kodiak	4.8	1.8	9.0	5.0	2.3	6,003	2,191	11,369	6,259	2,926
Cook Inlet	2.4	1.8	3.2	2.5	0.4	3,027	2,288	3,982	3,064	525
Prince William Sound	2.0	1.0	3.2	2.0	0.7	2,425	1,242	3,987	2,498	837
Southeast Alaska	1.7	1.3	2.3	1.8	0.3	2,167	1,571	2,870	2,184	401
British Columbia/Washington	10.1	8.9	11.4	10.1	0.8	12,529	11,058	14,271	12,584	994
								Total	124,709	

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 the experimental design table due to rounding error.

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

Appendix F1.–Southeastern and South Central Districts, South Peninsula area, June 2022, seine (all strata; harvest = 167,403; n = 1,960). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	50	2.9	2.2	3.6	0.4	50	519.2	513.2	525.3	26.0
0.3	1,138	65.6	63.7	67.5	1.1	1,138	551.5	549.7	553.2	35.9
0.4	526	30.3	28.5	32.2	1.1	526	565.3	562.6	568.1	38.6
0.5	20	1.2	0.7	1.6	0.3	20	595.7	583.6	607.8	32.9
0.6	1	0.1	0.0	0.2	0.1	1	587.0	587.0	587.0	–
Unknown						225	553.0	548.7	557.3	39.2
Total	1,735					1,960	555.0	553.6	556.4	37.9

Appendix F2.–Southeastern and South Central Districts, South Peninsula area, June 2022, all strata (harvest = 177,964; n = 2,896). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	60	2.4	1.9	2.9	0.3	60	519.7	513.6	525.7	28.4
0.3	1,572	62.0	60.4	63.6	1.0	1,572	550.9	549.5	552.3	33.6
0.4	877	34.6	33.0	36.2	0.9	877	567.3	565.3	569.3	36.0
0.5	24	0.9	0.6	1.3	0.2	24	591.2	579.6	602.7	34.5
0.6	1	0.0	0.0	0.1	0.0	1	587.0	587.0	587.0	–
Unknown						362	553.8	550.6	557.0	36.7
Total	2,534					2,896	555.9	554.8	557.0	35.9

Appendix F3.–Unimak and Southwestern Districts, South Peninsula area, June 2022, seine (all strata; harvest = 321,946; n = 2,619). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	173	7.7	6.7	8.6	0.6	173	491.6	486.7	496.4	38.9
0.3	1,522	67.5	65.9	69.2	1.0	1,522	530.6	529.3	532.0	32.4
0.4	550	24.4	22.9	25.9	0.9	550	545.9	543.2	548.5	37.5
0.5	9	0.4	0.2	0.6	0.1	9	588.2	569.8	606.6	33.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						365	527.6	524.6	530.6	35.1
Total	2,254					2,619	531.0	529.8	532.2	36.6

Appendix F4.–Unimak and Southwestern Districts, South Peninsula area, June 2022, gillnet (all strata; harvest = 44,280; n = 2,223). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	42	2.2	1.6	2.8	0.3	42	518.4	512.8	524.1	22.2
0.3	1,251	65.9	64.1	67.8	1.1	1,251	537.7	536.4	539.0	28.0
0.4	592	31.2	29.4	33.0	1.1	592	550.4	548.3	552.4	30.6
0.5	12	0.6	0.3	1.0	0.2	12	566.6	551.5	581.7	31.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						326	533.2	530.3	536.1	31.4
Total	1,897					2,223	540.2	539.2	541.3	30.0

Appendix F5.–Unimak and Southwestern Districts, South Peninsula area, June 2022 (all strata; harvest = 366,470; n = 4,842). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	216	5.2	4.6	5.8	0.3	216	497.0	492.8	501.2	37.8
0.3	2774	66.8	65.6	68.0	0.7	2,774	533.8	532.8	534.8	30.7
0.4	1140	27.5	26.3	28.6	0.7	1,140	548.3	546.6	549.9	34.1
0.5	21	0.5	0.3	0.7	0.1	21	575.9	563.8	587.9	33.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						691	530.2	528.1	532.3	33.5
Total	4,151					4,842	535.2	534.4	536.0	34.0

Appendix F6.–Southeastern and South Central Districts, South Peninsula area, July 2022, seine (all strata; harvest = 126,137; n = 2,490). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.0	0.0	0.1	0.0	1	415.0	415.0	415.0	–
0.2	137	6.4	5.5	7.3	0.5	137	521.5	515.4	527.6	43.2
0.3	1,468	68.3	66.6	70.0	1.0	1,468	571.5	569.7	573.2	40.2
0.4	540	25.1	23.6	26.7	0.9	540	580.0	577.4	582.6	36.9
0.5	4	0.2	0.0	0.4	0.1	4	616.8	553.9	679.6	76.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						340	559.6	555.3	564.0	49.1
Total	2,150					2,490	569.0	567.5	570.4	43.2

Appendix F7.–Southeastern and South Central Districts, South Peninsula area, July 2022, gillnet (all strata; harvest = 14,106; n = 1,534). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	43	3.3	2.5	4.1	0.5	43	542.6	534.5	550.8	32.5
0.3	820	62.6	60.5	64.8	1.3	820	563.2	561.6	564.8	28.2
0.4	442	33.8	31.7	35.9	1.2	442	574.8	572.5	577.1	29.2
0.5	4	0.3	0.0	0.6	0.1	4	593.8	581.0	606.5	15.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						225	560.5	556.9	564.1	32.9
Total	1,309					1,534	565.7	564.4	566.9	30.1

Appendix F8.–Southeastern and South Central Districts, South Peninsula area, July 2022 (all strata; harvest = 140,240; n = 4,024). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.0	0.0	0.1	0.0	1	415.0	415.0	415.0	–
0.2	171	5.0	4.3	5.6	0.4	171	524.6	519.5	529.8	41.0
0.3	2,217	64.4	63.1	65.8	0.8	2,217	568.2	566.9	569.5	36.5
0.4	1,044	30.3	29.0	31.6	0.8	1,044	577.8	576.1	579.5	33.6
0.5	9	0.3	0.1	0.4	0.1	9	607.2	580.1	634.3	49.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						582	559.8	556.9	562.8	43.5
Total	3,442					4,024	567.7	566.7	568.7	38.7

Appendix F9.–Unimak and Southwestern Districts, South Peninsula area, July 2022, seine (all strata; harvest = 42,721; n = 668). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	22	4.3	2.7	5.9	0.9	22	532.7	517.4	548.0	43.6
0.3	336	65.5	61.9	69.1	2.1	336	574.0	570.2	577.8	42.2
0.4	153	29.8	26.4	33.3	2.0	153	584.8	580.0	589.5	36.0
0.5	2	0.4	0.0	0.9	0.3	2	706.5	694.1	718.9	10.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						155	567.3	559.8	574.7	56.3
Total	513					668	573.9	571.0	576.9	46.1

Appendix F10.–Unimak and Southwestern Districts, South Peninsula area, July 2022, gillnet (all strata; harvest = 5,829; n = 697). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	45	7.3	5.6	9.0	1.0	45	533.4	525.5	541.2	31.8
0.3	329	53.1	49.9	56.3	1.9	329	564.8	562.1	567.5	29.4
0.4	244	39.4	36.2	42.5	1.8	244	578.9	575.8	582.1	29.6
0.5	2	0.3	0.0	0.8	0.2	2	590.0	532.4	647.6	49.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						77	562.7	556.2	569.1	34.3
Total	620					697	567.6	565.5	569.6	32.2

Appendix F11.–Unimak and Southwestern Districts, South Peninsula area, July 2022, (all strata; harvest = 48,516; n = 1,365). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	67	5.9	4.7	7.1	0.7	67	531.0	523.7	538.2	36.1
0.3	649	57.4	55.0	59.9	1.5	649	568.9	566.6	571.3	36.3
0.4	410	36.3	33.9	38.7	1.4	410	581.9	579.3	584.6	32.9
0.5	4	0.4	0.0	0.7	0.2	4	648.3	587.9	708.6	73.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						235	565.8	560.5	571.1	49.3
Total	1,130					1,365	570.7	568.9	572.4	39.8

Appendix F12.–South Peninsula area, July 2022 (all strata; harvest = 188,613; n = 5,389). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.0	0.0	0.1	0.0	1	415.0	415.0	415.0	–
0.2	238	5.2	4.7	5.8	0.3	238	526.4	522.2	530.7	39.7
0.3	2,866	62.7	61.5	63.9	0.7	2,866	568.4	567.3	569.5	36.5
0.4	1,454	31.8	30.7	32.9	0.7	1,454	579.0	577.6	580.4	33.5
0.5	13	0.3	0.1	0.4	0.1	13	619.8	593.4	646.3	58.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						817	561.6	558.9	564.2	45.3
Total	4,572					5,389	568.5	567.6	569.3	39.0

Appendix F13.–Southeastern and South Central Districts, South Peninsula area, August 2022, seine (all strata; harvest = 45,519; n = 701). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	109	18.0	15.4	20.7	1.6	109	535.0	529.9	540.1	32.4
0.3	370	61.3	57.9	64.6	2.0	370	563.0	560.5	565.5	29.5
0.4	123	20.4	17.6	23.1	1.6	123	575.2	570.4	580.0	32.4
0.5	2	0.3	0.0	0.8	0.2	2	610.5	594.9	626.1	13.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						97	552.0	545.6	558.5	38.5
Total	604					701	559.4	557.3	561.5	34.1

Appendix F14.–Unimak and Southwestern Districts, South Peninsula area, August 2022, seine (all strata; harvest = 28,866; n = 607). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	103	19.1	16.2	22.0	1.7	103	516.3	511.0	521.6	32.7
0.3	278	51.5	47.8	55.1	2.2	278	556.2	553.3	559.1	29.7
0.4	159	29.4	26.1	32.8	2.0	159	566.4	562.8	570.0	27.6
0.5	0	–	–	–	–	0	–	–	–	–
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						67	547.2	539.4	555.1	38.8
Total	540					607	551.1	548.8	553.4	35.0

Appendix F15.–South Peninsula area, August 2022 (all strata; harvest = 81,423; n = 1,743). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	272	17.8	16.2	19.5	1.0	272	528.8	525.5	532.2	33.4
0.3	863	56.5	54.4	58.6	1.3	863	560.6	559.1	562.2	27.6
0.4	390	25.5	23.7	27.4	1.1	390	571.8	569.3	574.3	29.9
0.5	2	0.1	0.0	0.3	0.1	2	610.5	594.9	626.1	13.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						216	549.5	543.6	555.4	52.7
Total	1,527					1,743	556.8	555.4	558.2	35.8

Appendix F16.–Southeastern and South Central Districts, South Peninsula area, June 2023, seine (all strata; harvest = 93,127; n = 2,320). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	11	0.5	0.2	0.8	0.2	11	491.5	473.5	509.4	36.3
0.3	1,259	60.5	58.7	62.3	1.1	1,259	556.9	555.3	558.5	34.5
0.4	777	37.3	35.6	39.1	1.1	777	577.2	575.1	579.3	35.0
0.5	34	1.6	1.2	2.1	0.3	34	585.9	577.5	594.2	29.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						239	562.2	557.5	566.8	43.7
Total	2,081					2,320	564.3	563.1	565.6	37.3

Appendix F17.–Southeastern and South Central Districts, South Peninsula area, June 2023, (all strata; harvest = 103,141; n = 2,960). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	15	0.6	0.3	0.8	0.1	15	494.5	479.1	509.9	36.2
0.3	1,615	61.1	59.5	62.7	0.9	1,615	554.9	553.5	556.3	33.9
0.4	971	36.7	35.2	38.3	0.9	971	574.6	572.7	576.5	35.2
0.5	43	1.6	1.2	2.1	0.2	43	583.9	576.6	591.1	28.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						316	559.3	555.4	563.2	42.1
Total	2,644					2,960	562.0	560.9	563.1	36.7

Appendix F18.–Unimak and Southwestern Districts, South Peninsula area, June 2023, seine (all strata; harvest = 72,439; n = 2,393). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	15	0.7	0.4	1.0	0.2	15	510.8	488.9	532.7	51.6
0.3	1,203	55.3	53.5	57.0	1.1	1,203	555.9	554.2	557.6	35.5
0.4	914	42.0	40.2	43.7	1.1	914	571.0	569.1	572.9	35.1
0.5	44	2.0	1.5	2.5	0.3	44	567.7	559.1	576.3	34.6
0.6	1	0.0	0.0	0.1	0.0	1	602.0	602.0	602.0	–
Unknown						216	559.8	555.5	564.1	38.4
Total	2,177					2,393	562.0	560.7	563.2	36.6

Appendix F19.–Unimak and Southwestern Districts, South Peninsula area, June 2023, gillnet (all strata; harvest = 30,459; n = 1,796). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	8	0.5	0.2	0.8	0.2	8	523.1	492.7	553.5	52.3
0.3	1,000	60.5	58.5	62.5	1.2	1,000	551.4	549.8	553.1	32.1
0.4	619	37.4	35.4	39.4	1.2	619	563.6	561.5	565.6	31.2
0.5	27	1.6	1.1	2.2	0.3	27	563.6	554.1	573.2	30.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						142	550.4	545.1	555.7	38.2
Total	1,654					1,796	555.6	554.3	556.9	33.0

Appendix F20.–Unimak and Southwestern Districts, South Peninsula area, June 2023 (all strata; harvest = 102,897; n = 4,189). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	23	0.6	0.4	0.8	0.1	23	515.1	497.6	532.6	51.0
0.3	2,203	57.5	56.2	58.8	0.8	2,203	553.9	552.7	555.0	34.1
0.4	1,533	40.0	38.7	41.3	0.8	1,533	568.0	566.6	569.4	33.8
0.5	71	1.9	1.5	2.2	0.2	71	566.2	559.7	572.6	32.8
0.6	1	0.0	0.0	0.1	0.0	1	602.0	602.0	602.0	–
Unknown						358	556.1	552.7	559.4	38.5
Total	3,831					4,189	559.2	558.3	560.1	35.2

Appendix F21.–Southeastern and South Central Districts, South Peninsula area, July 2023, seine (all strata; harvest = 223,489; n = 2,585). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.0	0.0	0.1	0.0	1	382.0	382.0	382.0	–
0.2	113	4.7	3.9	5.4	0.4	113	477.9	470.1	485.8	50.6
0.3	1,636	67.7	66.1	69.3	1.0	1,636	561.2	559.5	562.8	40.5
0.4	648	26.8	25.3	28.3	0.9	648	589.6	587.3	591.8	34.9
0.5	19	0.8	0.5	1.1	0.2	19	594.2	580.3	608.1	36.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						168	552.8	546.2	559.3	52.0
Total	2,417					2,585	564.3	562.8	565.8	46.5

Appendix F22.–Southeastern and South Central Districts, South Peninsula area, July 2023, gillnet (all strata; harvest = 18,276; n = 1,492). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	37	2.7	1.9	3.5	0.4	37	518.8	507.8	529.8	40.7
0.3	820	59.7	57.5	61.9	1.3	820	568.2	566.4	570.0	30.9
0.4	499	36.3	34.2	38.5	1.3	499	584.7	582.6	586.8	28.6
0.5	17	1.2	0.7	1.8	0.3	17	595.8	587.0	604.5	22.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						119	561.7	556.1	567.3	37.4
Total	1,373					1,492	572.3	570.9	573.7	33.2

Appendix F23.–Southeastern and South Central Districts, South Peninsula area, July 2023, (all strata; harvest = 241,803; n = 4,077). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.0	0.0	0.1	0.0	1	382.0	382.0	382.0	–
0.2	150	4.0	3.4	4.5	0.3	150	488.0	481.1	494.9	51.3
0.3	2,456	64.8	63.5	66.1	0.8	2,456	563.5	562.3	564.8	37.7
0.4	1,147	30.3	29.0	31.5	0.7	1,147	587.5	585.9	589.0	32.4
0.5	36	0.9	0.7	1.2	0.2	36	594.9	586.6	603.2	30.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						287	556.5	551.9	561.0	46.6
Total	3,790					4,077	567.2	566.1	568.3	42.3

Appendix F24.–Unimak and Southwestern Districts, South Peninsula area, July 2023, seine (all strata; harvest = 129,533; n = 2,042). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	3	0.2	0.0	0.3	0.1	3	363.3	327.1	399.6	38.2
0.2	262	13.9	12.5	15.2	0.8	262	447.8	443.0	452.7	47.8
0.3	1,203	63.7	61.8	65.5	1.1	1,203	545.2	542.9	547.5	48.3
0.4	409	21.6	20.1	23.2	0.9	409	570.2	566.7	573.6	42.4
0.5	13	0.7	0.3	1.0	0.2	13	577.8	551.1	604.6	58.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						152	511.2	501.9	520.5	69.6
Total	1,890					2,042	535.1	532.9	537.4	61.5

Appendix F25.–Unimak and Southwestern Districts, South Peninsula area, July 2023, gillnet (all strata; harvest = 13,813; n = 825). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	13	1.7	0.9	2.6	0.5	13	516.2	498.6	533.7	38.5
0.3	569	75.4	72.7	78.0	1.6	569	561.6	559.3	563.8	32.4
0.4	169	22.4	19.8	25.0	1.5	169	575.2	571.5	579.0	29.3
0.5	4	0.5	0.0	1.0	0.3	4	586.8	576.4	597.1	12.6
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						70	541.1	533.9	548.3	36.5
Total	755					825	562.0	560.1	564.0	33.8

Appendix F26.–Unimak and Southwestern Districts, South Peninsula area, July 2023 (all strata; harvest = 143,492; n = 2,867). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	3	0.1	0.0	0.2	0.1	3	363.3	327.1	399.6	38.2
0.2	275	10.4	9.4	11.4	0.6	275	451.1	446.1	456.0	49.5
0.3	1,772	67.0	65.5	68.5	0.9	1,772	550.5	548.7	552.2	44.5
0.4	578	21.9	20.5	23.2	0.8	578	571.7	569.0	574.3	39.1
0.5	17	0.6	0.4	0.9	0.2	17	579.9	559.5	600.4	51.3
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						222	520.6	513.7	527.6	62.6
Total	2,645					2,867	542.9	541.1	544.6	56.3

Appendix F27.–South Peninsula area, July 2023 (all strata; harvest = 385,233; n = 6,944). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	4	0.1	0.0	0.1	0.0	4	368.0	341.2	394.8	32.5
0.2	425	6.6	6.1	7.1	0.3	425	464.1	459.9	468.3	53.1
0.3	4,228	65.7	64.7	66.7	0.6	4,228	558.0	557.0	559.1	41.2
0.4	1,725	26.8	25.9	27.7	0.6	1,725	582.2	580.8	583.6	35.6
0.5	53	0.8	0.6	1.0	0.1	53	590.1	581.5	598.8	38.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						509	540.8	536.7	545.0	56.9
Total	6,435					6,944	557.2	556.2	558.1	50.0

Appendix F28.–Southeastern and South Central Districts, South Peninsula area, August 2023, seine (all strata; harvest = 255,840; n = 850). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	31	3.9	2.7	5.1	0.7	31	507.1	496.0	518.3	37.6
0.3	648	81.1	78.8	83.4	1.4	648	561.7	559.7	563.6	30.1
0.4	115	14.4	12.3	16.5	1.2	115	584.9	579.4	590.5	36.2
0.5	5	0.6	0.1	1.1	0.3	5	589.0	565.1	612.9	32.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						51	553.6	543.7	563.5	43.1
Total	799					850	562.5	560.5	564.5	34.9

Appendix F29.–Southeastern and South Central Districts, South Peninsula area, August 2023 (all strata; harvest = 267,101; n = 1,450). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	52	3.8	2.9	4.7	0.5	52	518.2	510.4	526.1	34.4
0.3	1,058	77.4	75.5	79.3	1.1	1,058	565.9	564.3	567.4	30.3
0.4	249	18.2	16.5	20.0	1.0	249	588.2	584.9	591.5	31.6
0.5	8	0.6	0.2	1.0	0.2	8	586.6	571.0	602.2	26.8
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						83	555.4	548.1	562.8	40.6
Total	1,367					1,450	567.5	566.0	569.0	33.9

Appendix F30.–Unimak and Southwestern Districts, South Peninsula area, August 2023, seine (all strata; harvest = 256,323; n = 1,095). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	16	1.5	0.9	2.2	0.4	16	527.9	514.3	541.6	33.2
0.3	869	83.3	81.4	85.3	1.2	869	565.0	563.3	566.6	30.1
0.4	150	14.4	12.5	16.2	1.1	150	585.4	581.4	589.3	29.4
0.5	8	0.8	0.3	1.3	0.3	8	597.1	579.0	615.3	31.1
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						52	564.3	556.2	572.4	35.4
Total	1,043					1,095	567.4	565.8	569.0	31.5

Appendix F31.–Unimak and Southwestern Districts, South Peninsula area, August 2023 (all strata; harvest = 262,483; n = 1,445). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	24	1.7	1.1	2.4	0.4	24	532.5	522.0	543.1	31.3
0.3	1,133	82.3	80.5	84.0	1.0	1,133	564.5	563.1	565.9	29.0
0.4	211	15.3	13.7	17.0	1.0	211	582.8	579.4	586.3	30.7
0.5	9	0.7	0.3	1.0	0.2	9	594.4	577.9	611.0	30.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						68	563.6	557.0	570.2	33.2
Total	1,377					1,445	566.8	565.5	568.1	30.6

Appendix F32.–South Peninsula area, August 2023 (all strata; harvest = 530,575; n = 2,895). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	76	2.8	2.2	3.3	0.3	76	522.8	516.3	529.2	33.9
0.3	2,191	79.8	78.6	81.1	0.8	2,191	565.1	564.1	566.2	29.7
0.4	460	16.8	15.6	18.0	0.7	460	585.8	583.4	588.2	31.2
0.5	17	0.6	0.4	0.9	0.1	17	590.8	579.6	602.0	28.1
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						151	559.1	554.1	564.1	37.5
Total	2,744					2,895	567.1	566.2	568.1	32.3

Appendix F33.–Southeastern and South Central Districts, South Peninsula area, June 2024, seine (all strata; harvest = 134,805; n = 2,145). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	2	0.1	0.0	0.2	0.1	2	432.0	320.1	543.9	96.2
0.2	76	3.9	3.1	4.6	0.4	76	513.2	507.0	519.4	32.7
0.3	1,422	72.1	70.5	73.8	1.0	1,422	545.5	543.9	547.0	35.3
0.4	443	22.5	20.9	24.0	0.9	443	563.7	560.7	566.7	38.3
0.5	28	1.4	1.0	1.9	0.3	28	569.6	554.8	584.5	47.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						174	546.6	541.7	551.5	39.5
Total	1,971					2,145	548.4	547.1	549.8	38.0

Appendix F34.–Southeastern and South Central Districts, South Peninsula area, June 2024, (all strata; harvest = 142,569; n = 2,825). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	2	0.1	0.0	0.2	0.1	2	432.0	320.1	543.9	96.2
0.2	94	3.6	3.0	4.2	0.4	94	514.6	509.2	520.0	32.0
0.3	1,775	68.4	66.9	69.9	0.9	1,775	546.3	545.0	547.6	34.0
0.4	683	26.3	24.9	27.8	0.9	683	563.2	560.9	565.4	35.7
0.5	40	1.5	1.1	2.0	0.2	40	567.2	556.4	578.0	41.4
0.6	1	0.0	0.0	0.1	0.0	1	528.0	528.0	528.0	–
Unknown						230	547.0	542.7	551.3	39.4
Total	2,595					2,825	549.6	548.5	550.7	36.4

Appendix F35.–Unimak and Southwestern Districts, South Peninsula area, June 2024, seine (all strata; harvest = 201,110; n = 1,956). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.1	0.0	0.2	0.1	1	411.0	411.0	411.0	–
0.2	164	9.1	7.9	10.2	0.7	164	507.0	503.2	510.8	29.6
0.3	1,252	69.2	67.4	71.0	1.1	1,252	544.6	543.1	546.1	31.8
0.4	379	21.0	19.3	22.6	1.0	379	563.6	560.7	566.5	34.1
0.5	13	0.7	0.4	1.1	0.2	13	589.3	568.7	609.9	45.2
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						147	538.6	533.3	543.9	39.0
Total	1,809					1,956	544.9	543.6	546.2	35.9

Appendix F36.–Unimak and Southwestern Districts, South Peninsula area, June 2024, gillnet (all strata; harvest = 107,309; n = 1,938). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	24	1.4	0.9	1.9	0.3	24	505.3	497.8	512.8	22.4
0.3	1,074	61.9	60.0	63.9	1.2	1,074	543.4	542.0	544.8	27.8
0.4	611	35.2	33.3	37.1	1.1	611	550.5	548.5	552.4	29.2
0.5	26	1.5	1.0	2.0	0.3	26	569.7	559.8	579.5	30.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						203	543.4	539.6	547.1	32.5
Total	1,735					1,938	545.5	544.4	546.6	29.4

Appendix F37.–Unimak and Southwestern Districts, South Peninsula area, June 2024 (all strata; harvest = 308,383; n = 3,894). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.0	0.0	0.1	0.0	1	411.0	411.0	411.0	–
0.2	188	5.3	4.7	5.9	0.4	188	506.8	503.3	510.2	28.7
0.3	2,326	65.6	64.3	67.0	0.8	2,326	544.0	543.0	545.0	30.0
0.4	990	27.9	26.7	29.2	0.8	990	555.5	553.8	557.2	31.8
0.5	39	1.1	0.8	1.4	0.2	39	576.2	566.5	585.9	36.7
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						350	541.4	538.3	544.5	35.4
Total	3,544					3,894	545.2	544.3	546.1	32.8

Appendix F38.–Southeastern and South Central Districts, South Peninsula area, July 2024, seine (all strata; harvest = 93,984; n = 2,080). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.1	0.0	0.2	0.1	1	402.0	402.0	402.0	–
0.2	282	14.5	13.1	15.8	0.8	282	517.7	513.3	522.0	44.1
0.3	1,102	56.6	54.7	58.4	1.1	1,102	566.1	564.2	568.0	38.3
0.4	535	27.5	25.8	29.2	1.0	535	589.5	587.1	592.0	34.3
0.5	28	1.4	1.0	1.9	0.3	28	604.1	596.2	612.0	25.4
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						132	550.7	542.5	558.9	57.1
Total	1,948					2,080	565.0	563.4	566.7	45.4

Appendix F39.–Southeastern and South Central Districts, South Peninsula area, July 2024, gillnet (all strata; harvest = 5,699; n = 1,520). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	169	11.9	10.5	13.4	0.9	169	537.0	532.7	541.3	34.1
0.3	661	46.6	44.4	48.9	1.3	661	570.8	568.7	572.8	31.4
0.4	561	39.6	37.4	41.8	1.3	561	591.9	589.9	593.8	28.2
0.5	26	1.8	1.2	2.5	0.4	26	600.6	590.9	610.3	30.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						103	565.8	559.9	571.8	36.8
Total	1,417					1,520	575.0	573.5	576.5	35.3

Appendix F40.–Southeastern and South Central Districts, South Peninsula area, July 2024, (all strata; harvest = 99,810; n = 3,600). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	1	0.0	0.0	0.1	0.0	1	402.0	402.0	402.0	–
0.2	451	13.4	12.4	14.4	0.6	451	524.9	521.7	528.1	41.6
0.3	1,763	52.4	51.0	53.8	0.9	1,763	567.9	566.5	569.3	35.9
0.4	1,096	32.6	31.2	33.9	0.8	1,096	590.7	589.2	592.3	31.3
0.5	54	1.6	1.2	2.0	0.2	54	602.4	596.3	608.6	27.5
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						235	557.3	552.0	562.7	49.7
Total	3,365					3,600	569.2	568.1	570.4	41.7

Appendix F41.–Unimak and Southwestern Districts, South Peninsula area, July 2024, seine (all strata; harvest = 15,556; n = 1,520). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	36	2.6	1.9	3.4	0.4	36	388.7	382.1	395.3	24.0
0.2	318	23.2	21.3	25.1	1.1	318	473.9	469.5	478.4	48.5
0.3	735	53.6	51.4	55.9	1.3	735	548.1	545.6	550.6	41.5
0.4	274	20.0	18.2	21.8	1.1	274	579.2	575.4	583.1	39.1
0.5	6	0.4	0.1	0.8	0.2	6	538.3	501.4	575.2	54.9
0.6	1	0.1	0.0	0.2	0.1	1	593.0	593.0	593.0	–
Unknown						150	519.3	510.3	528.3	67.1
Total	1,370					1,520	531.6	529.0	534.2	61.6

Appendix F42.–Unimak and Southwestern Districts, South Peninsula area, July 2024, gillnet (all strata; harvest = 9,313; n = 946). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	0	–	–	–	–	0	–	–	–	–
0.2	147	16.7	14.6	18.8	1.3	147	521.3	517.6	525.1	27.9
0.3	461	52.4	49.6	55.2	1.7	461	561.3	558.9	563.7	31.3
0.4	264	30.0	27.4	32.6	1.5	264	581.8	578.9	584.8	29.1
0.5	8	0.9	0.3	1.5	0.3	8	584.4	570.4	598.3	24.0
0.6	0	–	–	–	–	0	–	–	–	–
Unknown						66	550.9	543.4	558.5	37.2
Total	880					946	560.3	558.3	562.2	36.2

Appendix F43.–Unimak and Southwestern Districts, South Peninsula area, July 2024 (all strata; harvest = 24,895; n = 2,466). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	36	1.6	1.1	2.1	0.3	36	388.7	382.1	395.3	24.0
0.2	465	20.7	19.2	22.1	0.9	465	488.9	485.2	492.6	48.3
0.3	1,196	53.2	51.4	54.9	1.1	1,196	553.2	551.4	555.0	38.4
0.4	538	23.9	22.4	25.4	0.9	538	580.5	578.1	583.0	34.6
0.5	14	0.6	0.3	0.9	0.2	14	564.6	544.8	584.4	45.0
0.6	1	0.0	0.0	0.1	0.0	1	593.0	593.0	593.0	–
Unknown						216	529.0	522.1	535.8	61.2
Total	2,250					2,466	542.6	540.8	544.4	55.1

Appendix F44.–South Peninsula area, July 2024 (all strata; harvest = 124,709; n = 6,066). Estimates of age composition and mean length (mid eye to tail fork [METF] in mm), 90% confidence interval (CI), and estimated SE or SD.

	Age composition					Length (mm) METF				
Age			90% CI					90% CI		
class	Number	Percent	5%	95%	SE	Number	Mean	5%	95%	SD
0.1	37	0.7	0.5	0.8	0.1	37	389.1	382.7	395.5	23.8
0.2	916	16.3	15.5	17.1	0.5	916	506.6	504.0	509.3	48.6
0.3	2,959	52.7	51.6	53.8	0.7	2959	561.9	560.8	563.1	37.6
0.4	1,634	29.1	28.1	30.1	0.6	1634	587.4	586.0	588.7	32.8
0.5	68	1.2	1.0	1.5	0.1	68	594.6	587.7	601.6	35.1
0.6	1	0.0	0.0	0.1	0.0	1	593.0	593.0	593.0	–
Unknown						451	543.7	539.3	548.2	57.3
Total	5,615					6,066	558.4	557.4	559.4	49.4

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

Appendix G1.–Japan, all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types, and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2022	SE/SC	Seine	June 1	34.7	30.7	39.2	34.8	2.6	5,704	5,038	6,433	5,715	423
Japan	2022	SE/SC	Seine	June 2	25.2	21.4	29.1	25.2	2.3	10,381	8,829	11,985	10,384	946
Japan	2022	SE/SC	Seine	June 3	29.1	25.2	33.0	29.1	2.4	9,973	8,643	11,316	9,973	822
Japan	2022	SE/SC	Seine	June 4	36.3	32.2	40.4	36.4	2.5	27,383	24,258	30,447	27,391	1,919
Japan	2022	SE/SC	Seine	July 1	14.4	11.5	17.4	14.4	1.8	4,704	3,770	5,687	4,709	589
Japan	2022	SE/SC	Seine	July 2	9.0	6.5	11.8	9.1	1.5	3,293	2,396	4,311	3,322	569
Japan	2022	SE/SC	Seine	July 3	4.2	2.6	6.1	4.2	1.1	2,357	1,495	3,483	2,404	604
Japan	2022	SE/SC	Seine	August 1	1.9	0.9	3.3	2.0	0.7	669	328	1,176	698	256
Japan	2022	SE/SC	Seine	August 2	1.3	0.5	2.8	1.5	0.7	132	51	275	143	69
Japan	2022	SE/SC	Gillnet	June Gillnet	2.7	1.5	4.4	2.8	0.9	292	160	467	300	93
Japan	2022	SE/SC	Gillnet	July 1	0.5	0.1	1.4	0.6	0.4	22	5	58	25	17
Japan	2022	SE/SC	Gillnet	July 2	0.5	0.1	1.3	0.6	0.4	23	5	65	28	19
Japan	2022	SE/SC	Gillnet	July 3	0.2	0.0	1.0	0.3	0.3	13	1	50	18	17
Japan	2022	SE/SC	Gillnet	August Gillnet	0.0	0.0	0.1	0.0	0.1	0	0	8	1	5
Japan	2022	Un/SW	Seine	June 1	19.1	15.6	22.6	19.1	2.1	4,624	3,793	5,478	4,631	510
Japan	2022	Un/SW	Seine	June 2	30.3	26.3	34.6	30.3	2.5	37,316	32,437	42,616	37,361	3,094
Japan	2022	Un/SW	Seine	June 3	40.9	36.5	45.4	40.9	2.8	49,306	43,937	54,728	49,310	3,365
Japan	2022	Un/SW	Seine	June 4	25.2	21.4	29.3	25.3	2.4	13,632	11,578	15,851	13,650	1,297
Japan	2022	Un/SW	Seine	July 1	18.6	14.7	22.9	18.7	2.5	5,582	4,408	6,871	5,599	758
Japan	2022	Un/SW	Seine	July 2	8.6	6.3	11.5	8.7	1.6	1,093	798	1,461	1,105	201
Japan	2022	Un/SW	Seine	August 1	0.0	0.0	0.2	0.0	0.2	0	0	46	8	29
Japan	2022	Un/SW	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	13	2	10
Japan	2022	Un/SW	Gillnet	June 1	6.8	4.8	9.1	6.8	1.3	732	518	987	739	144
Japan	2022	Un/SW	Gillnet	June 2	10.6	8.0	13.5	10.7	1.7	1,655	1,250	2,122	1,672	267
Japan	2022	Un/SW	Gillnet	June 3	10.6	8.0	13.5	10.7	1.7	1,728	1,309	2,198	1,740	272
Japan	2022	Un/SW	Gillnet	June 4	11.2	7.9	14.9	11.3	2.2	166	118	222	168	32

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2022	Un/SW	Gillnet	July 1	0.8	0.2	2.3	0.9	0.7	16	3	46	19	14
Japan	2022	Un/SW	Gillnet	July 2	0.8	0.3	1.9	0.9	0.5	31	10	73	35	20
Japan	2023	SE/SC	Seine	June 1	30.1	26.3	34.2	30.1	2.4	1,905	1,665	2,167	1,909	154
Japan	2023	SE/SC	Seine	June 2	31.1	27.4	35.0	31.2	2.3	5,568	4,908	6,275	5,579	420
Japan	2023	SE/SC	Seine	June 3	29.9	26.0	33.9	30.0	2.4	9,627	8,362	10,918	9,648	768
Japan	2023	SE/SC	Seine	June 4	21.1	17.7	24.8	21.1	2.1	7,700	6,482	9,057	7,733	785
Japan	2023	SE/SC	Seine	July 1	11.2	8.7	14.1	11.2	1.7	6,184	4,824	7,804	6,225	918
Japan	2023	SE/SC	Seine	July 2	8.6	6.3	11.1	8.6	1.5	11,451	8,421	14,829	11,541	1,954
Japan	2023	SE/SC	Seine	July 3	10.0	7.2	13.4	10.1	1.9	3,456	2,481	4,627	3,496	661
Japan	2023	SE/SC	Seine	August 1	4.4	2.8	6.5	4.5	1.1	5,506	3,497	8,192	5,614	1,417
Japan	2023	SE/SC	Seine	August 2	1.5	0.6	2.9	1.6	0.7	1,926	818	3,770	2,070	921
Japan	2023	SE/SC	Gillnet	June Gillnet	1.7	0.8	3.1	1.8	0.7	176	86	312	186	71
Japan	2023	SE/SC	Gillnet	July 1	6.0	4.2	8.4	6.1	1.3	414	290	576	422	87
Japan	2023	SE/SC	Gillnet	July 2	0.0	0.0	0.1	0.0	0.1	0	0	10	2	6
Japan	2023	SE/SC	Gillnet	July 3	0.0	0.0	0.2	0.0	0.1	0	0	4	1	4
Japan	2023	SE/SC	Gillnet	August 1	0.0	0.0	0.1	0.0	0.1	0	0	13	2	8
Japan	2023	Un/SW	Seine	June 1	24.9	21.4	28.7	25.0	2.2	1,585	1,359	1,826	1,589	142
Japan	2023	Un/SW	Seine	June 2	32.2	28.2	36.1	32.2	2.4	12,583	11,006	14,117	12,561	942
Japan	2023	Un/SW	Seine	June 3	16.5	13.5	19.9	16.5	2.0	3,724	3,046	4,494	3,736	442
Japan	2023	Un/SW	Seine	June 4	17.7	14.5	21.2	17.7	2.0	759	623	908	762	87
Japan	2023	Un/SW	Seine	July 1	30.0	26.1	34.1	30.1	2.5	22,484	19,591	25,588	22,540	1,878
Japan	2023	Un/SW	Seine	July 2	22.4	19.0	26.3	22.4	2.2	8,901	7,579	10,458	8,931	871
Japan	2023	Un/SW	Seine	July 3	9.1	6.7	11.8	9.1	1.5	1,347	994	1,752	1,355	230
Japan	2023	Un/SW	Seine	August 1	0.0	0.0	0.1	0.0	0.1	0	0	128	23	75
Japan	2023	Un/SW	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	152	29	114
Japan	2023	Un/SW	Gillnet	June 1	2.4	1.3	4.0	2.5	0.8	124	69	205	128	42
Japan	2023	Un/SW	Gillnet	June 2	8.6	6.4	11.2	8.7	1.5	1,695	1,267	2,198	1,705	288
Japan	2023	Un/SW	Gillnet	June 3	2.7	1.5	4.5	2.8	0.9	87	47	145	90	30

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2023	Un/SW	Gillnet	June 4	4.0	2.5	5.8	4.0	1.0	98	62	145	100	25
Japan	2023	Un/SW	Gillnet	July 1	2.5	0.7	5.6	2.7	1.5	84	25	189	93	51
Japan	2023	Un/SW	Gillnet	July 2	0.2	0.0	0.9	0.3	0.3	13	1	57	19	18
Japan	2023	Un/SW	Gillnet	July 3	0.4	0.0	1.6	0.6	0.5	17	1	68	23	22
Japan	2023	Un/SW	Gillnet	August 1	0.0	0.0	0.2	0.0	0.1	0	0	10	2	7
Japan	2024	SE/SC	Seine	June 1	25.3	21.5	28.9	25.2	2.2	2,492	2,121	2,844	2,488	219
Japan	2024	SE/SC	Seine	June 2	29.8	25.9	33.8	29.8	2.4	8,424	7,328	9,551	8,440	672
Japan	2024	SE/SC	Seine	June 3	32.7	28.7	36.8	32.7	2.4	12,307	10,798	13,844	12,315	922
Japan	2024	SE/SC	Seine	June 4	33.9	30.2	38.1	34.0	2.4	20,007	17,852	22,484	20,076	1,410
Japan	2024	SE/SC	Seine	July 1	24.8	21.0	28.6	24.8	2.3	7,685	6,529	8,865	7,692	712
Japan	2024	SE/SC	Seine	July 2	18.5	15.3	22.2	18.6	2.1	2,519	2,078	3,017	2,531	281
Japan	2024	SE/SC	Seine	July 3	5.7	3.9	8.0	5.8	1.3	2,836	1,919	3,952	2,881	621
Japan	2024	SE/SC	Gillnet	June Gillnet	4.8	3.1	6.8	4.8	1.1	368	240	525	374	87
Japan	2024	SE/SC	Gillnet	July 1	4.2	2.8	6.1	4.3	1.0	71	47	103	73	18
Japan	2024	SE/SC	Gillnet	July 2	0.0	0.0	0.1	0.0	0.1	0	0	2	0	1
Japan	2024	SE/SC	Gillnet	July 3	0.0	0.0	0.1	0.0	0.1	0	0	3	1	2
Japan	2024	Un/SW	Seine	June 1	34.1	30.3	38.3	34.2	2.5	4,505	4,002	5,065	4,519	327
Japan	2024	Un/SW	Seine	June 2	27.6	24.1	31.5	27.7	2.3	5,709	4,975	6,504	5,721	472
Japan	2024	Un/SW	Seine	June 3	43.2	39.0	47.5	43.2	2.6	41,139	37,100	45,193	41,140	2,465
Japan	2024	Un/SW	Seine	June 4	32.0	28.2	36.0	32.1	2.4	23,035	20,271	25,885	23,071	1,708
Japan	2024	Un/SW	Seine	July 1	21.9	18.6	25.7	22.0	2.1	966	821	1,135	971	94
Japan	2024	Un/SW	Seine	July 2	23.6	19.9	27.3	23.5	2.3	1,837	1,552	2,131	1,836	177
Japan	2024	Un/SW	Seine	July 3	4.4	1.5	9.6	4.8	2.5	148	52	321	162	84
Japan	2024	Un/SW	Gillnet	June 1	17.3	14.2	20.7	17.4	2.0	7,286	5,995	8,702	7,325	837
Japan	2024	Un/SW	Gillnet	June 2	14.9	12.1	18.1	15.0	1.8	5,344	4,330	6,495	5,375	657
Japan	2024	Un/SW	Gillnet	June 3	15.3	12.3	18.5	15.3	1.9	3,928	3,162	4,752	3,941	483

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Japan	2024	Un/SW	Gillnet	June 4	6.3	4.4	8.6	6.3	1.3	231	162	319	234	47
Japan	2024	Un/SW	Gillnet	July 1	4.2	1.8	7.9	4.4	1.9	12	5	22	12	5
Japan	2024	Un/SW	Gillnet	July 2	5.2	3.4	7.4	5.2	1.2	54	35	77	55	13
Japan	2024	Un/SW	Gillnet	July 3	1.3	0.6	2.6	1.4	0.6	106	47	209	114	50

Appendix G2.–Russia, all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types, and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Russia	2022	SE/SC	Seine	June 1	30.0	25.9	34.2	30.0	2.6	4,921	4,247	5,610	4,927	419
Russia	2022	SE/SC	Seine	June 2	30.0	25.8	34.1	29.9	2.5	12,368	10,652	14,076	12,345	1,050
Russia	2022	SE/SC	Seine	June 3	30.3	26.3	34.6	30.3	2.5	10,377	9,018	11,856	10,401	856
Russia	2022	SE/SC	Seine	June 4	20.4	16.8	24.0	20.5	2.2	15,405	12,689	18,086	15,436	1,653
Russia	2022	SE/SC	Seine	July 1	7.9	5.6	10.6	8.0	1.5	2,584	1,838	3,459	2,609	482
Russia	2022	SE/SC	Seine	July 2	5.5	3.6	8.0	5.6	1.3	2,028	1,335	2,918	2,058	484
Russia	2022	SE/SC	Seine	July 3	1.8	0.8	3.4	1.9	0.8	1,041	446	1,923	1,086	452
Russia	2022	SE/SC	Seine	August 1	0.0	0.0	0.1	0.0	0.1	0	0	51	9	31
Russia	2022	SE/SC	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	16	3	10
Russia	2022	SE/SC	Gillnet	June Gillnet	20.3	16.9	24.1	20.4	2.2	2,179	1,809	2,591	2,188	239
Russia	2022	SE/SC	Gillnet	July 1	0.4	0.0	1.3	0.5	0.4	16	0	55	20	18
Russia	2022	SE/SC	Gillnet	July 2	0.8	0.1	2.1	0.9	0.6	37	6	99	42	29
Russia	2022	SE/SC	Gillnet	July 3	0.6	0.1	1.7	0.7	0.5	30	4	90	37	28
Russia	2022	SE/SC	Gillnet	August Gillnet	0.0	0.0	0.7	0.1	0.3	0	0	51	9	19
Russia	2022	Un/SW	Seine	June 1	29.8	25.6	34.1	29.8	2.6	7,219	6,206	8,267	7,225	634
Russia	2022	Un/SW	Seine	June 2	28.0	24.1	32.3	28.1	2.5	34,472	29,694	39,718	34,562	3,080
Russia	2022	Un/SW	Seine	June 3	27.5	23.6	32.2	27.7	2.6	33,148	28,368	38,812	33,305	3,183
Russia	2022	Un/SW	Seine	June 4	35.9	31.4	40.5	35.9	2.8	19,397	16,967	21,887	19,390	1,526
Russia	2022	Un/SW	Seine	July 1	18.7	14.7	23.6	18.9	2.7	5,626	4,410	7,075	5,675	820
Russia	2022	Un/SW	Seine	July 2	7.2	4.8	10.2	7.3	1.6	909	609	1,300	926	209
Russia	2022	Un/SW	Seine	August 1	0.0	0.0	0.3	0.1	0.2	0	0	59	11	40
Russia	2022	Un/SW	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	24	4	14
Russia	2022	Un/SW	Gillnet	June 1	33.7	29.3	38.0	33.7	2.6	3,637	3,163	4,107	3,636	285
Russia	2022	Un/SW	Gillnet	June 2	24.4	20.4	28.7	24.5	2.5	3,823	3,189	4,500	3,830	394

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Russia	2022	Un/SW	Gillnet	June 3	29.8	25.8	34.1	29.8	2.5	4,863	4,207	5,566	4,862	409
Russia	2022	Un/SW	Gillnet	June 4	24.4	19.5	29.9	24.5	3.1	364	290	445	365	47
Russia	2022	Un/SW	Gillnet	July 1	3.1	1.5	5.6	3.3	1.2	64	31	114	67	25
Russia	2022	Un/SW	Gillnet	July 2	0.6	0.1	1.9	0.8	0.6	25	3	71	29	22
Russia	2023	SE/SC	Seine	June 1	19.8	16.3	23.4	19.8	2.2	1,254	1,034	1,483	1,255	138
Russia	2023	SE/SC	Seine	June 2	18.4	15.1	21.9	18.5	2.1	3,296	2,706	3,927	3,304	378
Russia	2023	SE/SC	Seine	June 3	24.1	20.2	28.3	24.1	2.4	7,745	6,501	9,099	7,769	780
Russia	2023	SE/SC	Seine	June 4	13.3	10.4	16.6	13.4	1.9	4,857	3,809	6,064	4,896	687
Russia	2023	SE/SC	Seine	July 1	12.1	9.3	15.3	12.2	1.8	6,710	5,135	8,510	6,752	1,016
Russia	2023	SE/SC	Seine	July 2	6.5	4.5	8.9	6.6	1.4	8,707	6,025	11,915	8,795	1,822
Russia	2023	SE/SC	Seine	July 3	3.3	1.7	5.7	3.5	1.2	1,146	574	1,950	1,195	426
Russia	2023	SE/SC	Seine	August 1	0.1	0.0	1.2	0.3	0.4	149	0	1,526	406	539
Russia	2023	SE/SC	Seine	August 2	0.0	0.0	0.5	0.1	0.2	0	0	606	96	290
Russia	2023	SE/SC	Gillnet	June Gillnet	13.6	10.8	17.2	13.8	1.9	1,384	1,093	1,740	1,396	196
Russia	2023	SE/SC	Gillnet	July 1	0.4	0.0	1.8	0.6	0.6	27	2	125	41	41
Russia	2023	SE/SC	Gillnet	July 2	0.3	0.0	1.1	0.4	0.4	22	1	94	31	30
Russia	2023	SE/SC	Gillnet	July 3	0.0	0.0	0.3	0.0	0.2	0	0	8	1	5
Russia	2023	SE/SC	Gillnet	August 1	0.0	0.0	0.2	0.0	0.1	0	0	25	4	12
Russia	2023	Un/SW	Seine	June 1	12.7	9.8	15.9	12.7	1.8	804	623	1,008	808	116
Russia	2023	Un/SW	Seine	June 2	17.1	13.9	20.7	17.2	2.0	6,693	5,417	8,086	6,717	800
Russia	2023	Un/SW	Seine	June 3	18.9	15.4	22.6	19.0	2.2	4,281	3,475	5,121	4,295	496
Russia	2023	Un/SW	Seine	June 4	22.2	18.6	26.2	22.4	2.3	954	800	1,126	960	101
Russia	2023	Un/SW	Seine	July 1	20.0	16.6	24.2	20.2	2.3	15,015	12,466	18,152	15,118	1,749
Russia	2023	Un/SW	Seine	July 2	19.9	16.4	23.6	19.9	2.2	7,911	6,512	9,399	7,933	888
Russia	2023	Un/SW	Seine	July 3	16.6	13.3	20.1	16.6	2.1	2,473	1,983	2,990	2,475	310
Russia	2023	Un/SW	Seine	August 1	0.0	0.0	0.2	0.0	0.1	0	0	210	38	132

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Russia	2023	Un/SW	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	184	30	105
Russia	2023	Un/SW	Gillnet	June 1	7.8	5.5	10.4	7.8	1.5	397	281	531	401	76
Russia	2023	Un/SW	Gillnet	June 2	16.6	13.4	20.1	16.7	2.0	3,262	2,639	3,964	3,284	401
Russia	2023	Un/SW	Gillnet	June 3	15.7	12.3	19.4	15.7	2.1	501	391	617	501	68
Russia	2023	Un/SW	Gillnet	June 4	16.1	13.1	19.7	16.2	2.0	401	325	490	403	51
Russia	2023	Un/SW	Gillnet	July 1	6.4	3.0	11.6	6.7	2.6	218	102	392	229	88
Russia	2023	Un/SW	Gillnet	July 2	2.8	1.6	4.7	3.0	1.0	178	100	299	186	61
Russia	2023	Un/SW	Gillnet	July 3	1.7	0.5	4.0	1.9	1.1	69	20	165	77	44
Russia	2023	Un/SW	Gillnet	August 1	0.7	0.1	1.8	0.8	0.5	43	9	109	49	32
Russia	2024	SE/SC	Seine	June 1	13.4	10.6	16.6	13.5	1.8	1,317	1,049	1,631	1,326	181
Russia	2024	SE/SC	Seine	June 2	14.5	11.5	17.6	14.5	1.9	4,086	3,266	4,984	4,108	529
Russia	2024	SE/SC	Seine	June 3	11.9	9.4	15.0	12.0	1.7	4,493	3,532	5,635	4,525	645
Russia	2024	SE/SC	Seine	June 4	12.4	9.6	15.5	12.5	1.8	7,294	5,673	9,168	7,364	1,064
Russia	2024	SE/SC	Seine	July 1	8.3	6.0	11.1	8.4	1.5	2,586	1,854	3,434	2,610	478
Russia	2024	SE/SC	Seine	July 2	12.5	9.8	15.8	12.6	1.8	1,703	1,329	2,145	1,719	247
Russia	2024	SE/SC	Seine	July 3	4.6	2.8	6.9	4.7	1.2	2,279	1,399	3,389	2,320	603
Russia	2024	SE/SC	Gillnet	June Gillnet	12.8	10.1	16.2	12.9	1.8	988	776	1,248	996	141
Russia	2024	SE/SC	Gillnet	July 1	4.5	2.8	6.6	4.6	1.2	76	48	112	78	20
Russia	2024	SE/SC	Gillnet	July 2	0.3	0.0	1.2	0.4	0.4	4	0	16	5	5
Russia	2024	SE/SC	Gillnet	July 3	0.0	0.0	0.1	0.0	0.1	0	0	3	1	3
Russia	2024	Un/SW	Seine	June 1	14.0	11.1	17.3	14.1	1.9	1,853	1,462	2,293	1,859	252
Russia	2024	Un/SW	Seine	June 2	21.4	17.9	25.2	21.4	2.2	4,418	3,711	5,211	4,425	452
Russia	2024	Un/SW	Seine	June 3	16.6	13.6	20.1	16.7	2.0	15,793	12,931	19,175	15,878	1,914
Russia	2024	Un/SW	Seine	June 4	23.3	19.8	27.0	23.3	2.2	16,742	14,196	19,406	16,740	1,598
Russia	2024	Un/SW	Seine	July 1	24.5	20.8	28.3	24.6	2.3	1,082	917	1,250	1,083	101
Russia	2024	Un/SW	Seine	July 2	17.7	14.3	21.5	17.8	2.2	1,377	1,114	1,680	1,385	169
Russia	2024	Un/SW	Seine	July 3	2.4	0.3	7.1	2.9	2.2	80	10	237	96	73
Russia	2024	Un/SW	Gillnet	June 1	21.0	17.7	24.6	21.0	2.1	8,841	7,440	10,339	8,849	891

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Russia	2024	Un/SW	Gillnet	June 2	16.9	13.6	20.5	17.0	2.1	6,058	4,883	7,347	6,089	755
Russia	2024	Un/SW	Gillnet	June 3	16.1	12.9	19.7	16.2	2.1	4,147	3,301	5,065	4,161	543
Russia	2024	Un/SW	Gillnet	June 4	14.5	11.6	17.8	14.6	1.9	535	427	656	538	70
Russia	2024	Un/SW	Gillnet	July 1	10.2	6.1	15.3	10.4	2.8	28	17	43	29	8
Russia	2024	Un/SW	Gillnet	July 2	3.7	2.0	6.1	3.8	1.2	39	21	64	40	13
Russia	2024	Un/SW	Gillnet	July 3	0.7	0.2	1.9	0.8	0.5	56	12	150	65	44

Appendix G3.–Kotzebue Sound, all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types, and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kotzebue Sound	2022	SE/SC	Seine	June 1	0.6	0.0	2.8	0.9	1.0	101	0	467	148	165
Kotzebue Sound	2022	SE/SC	Seine	June 2	4.6	2.6	7.3	4.7	1.4	1,901	1,067	3,000	1,947	593
Kotzebue Sound	2022	SE/SC	Seine	June 3	6.1	3.8	9.1	6.2	1.6	2,097	1,304	3,118	2,134	547
Kotzebue Sound	2022	SE/SC	Seine	June 4	4.0	1.9	6.7	4.1	1.5	2,984	1,440	5,059	3,089	1,115
Kotzebue Sound	2022	SE/SC	Seine	July 1	0.0	0.0	0.4	0.1	0.2	0	0	140	21	60
Kotzebue Sound	2022	SE/SC	Seine	July 2	0.0	0.0	0.2	0.0	0.1	0	0	57	10	34
Kotzebue Sound	2022	SE/SC	Seine	July 3	0.1	0.0	1.1	0.3	0.4	41	0	630	154	226
Kotzebue Sound	2022	SE/SC	Seine	August 1	0.0	0.0	0.6	0.1	0.2	1	0	209	40	79
Kotzebue Sound	2022	SE/SC	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	19	3	12
Kotzebue Sound	2022	SE/SC	Gillnet	June Gillnet	1.4	0.0	3.6	1.5	1.1	150	3	389	165	122
Kotzebue Sound	2022	SE/SC	Gillnet	July 1	0.8	0.2	2.0	0.9	0.6	34	8	82	38	23
Kotzebue Sound	2022	SE/SC	Gillnet	July 2	0.0	0.0	0.8	0.2	0.3	0	0	37	8	15
Kotzebue Sound	2022	SE/SC	Gillnet	July 3	0.0	0.0	0.2	0.0	0.1	0	0	8	1	4
Kotzebue Sound	2022	SE/SC	Gillnet	August Gillnet	0.0	0.0	0.1	0.0	0.1	0	0	6	1	4
Kotzebue Sound	2022	Un/SW	Seine	June 1	2.0	0.4	4.4	2.2	1.3	492	96	1,067	527	306
Kotzebue Sound	2022	Un/SW	Seine	June 2	4.7	1.7	8.6	4.9	2.1	5,764	2,059	10,598	5,993	2,635
Kotzebue Sound	2022	Un/SW	Seine	June 3	2.0	0.0	4.5	2.0	1.4	2,361	0	5,370	2,432	1,700
Kotzebue Sound	2022	Un/SW	Seine	June 4	2.3	0.8	4.6	2.5	1.2	1,253	440	2,476	1,343	636
Kotzebue Sound	2022	Un/SW	Seine	July 1	5.4	2.8	9.6	5.7	2.1	1,614	836	2,892	1,707	634
Kotzebue Sound	2022	Un/SW	Seine	July 2	1.4	0.0	3.5	1.5	1.0	182	0	444	197	133
Kotzebue Sound	2022	Un/SW	Seine	August 1	0.0	0.0	0.2	0.0	0.2	0	0	46	8	32
Kotzebue Sound	2022	Un/SW	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	17	3	10
Kotzebue Sound	2022	Un/SW	Gillnet	June 1	4.1	1.8	7.4	4.3	1.7	446	192	802	465	188
Kotzebue Sound	2022	Un/SW	Gillnet	June 2	4.0	2.0	6.7	4.1	1.5	623	314	1,042	646	231
Kotzebue Sound	2022	Un/SW	Gillnet	June 3	7.4	3.2	13.0	7.6	3.1	1,208	521	2,116	1,245	505
Kotzebue Sound	2022	Un/SW	Gillnet	June 4	4.9	2.3	8.4	5.0	1.9	73	35	124	75	28

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kotzebue Sound	2022	Un/SW	Gillnet	July 1	0.0	0.0	0.3	0.1	0.2	0	0	7	1	4
Kotzebue Sound	2022	Un/SW	Gillnet	July 2	0.0	0.0	0.3	0.1	0.2	0	0	13	2	7
Kotzebue Sound	2023	SE/SC	Seine	June 1	0.2	0.0	2.1	0.5	0.7	12	0	132	34	46
Kotzebue Sound	2023	SE/SC	Seine	June 2	2.8	0.8	5.5	3.0	1.4	500	149	993	528	259
Kotzebue Sound	2023	SE/SC	Seine	June 3	3.5	1.7	6.1	3.6	1.4	1,125	551	1,976	1,175	442
Kotzebue Sound	2023	SE/SC	Seine	June 4	0.3	0.0	2.4	0.7	0.9	126	0	890	251	314
Kotzebue Sound	2023	SE/SC	Seine	July 1	0.0	0.0	0.7	0.1	0.3	0	0	401	69	163
Kotzebue Sound	2023	SE/SC	Seine	July 2	0.0	0.0	0.3	0.0	0.1	0	0	358	55	164
Kotzebue Sound	2023	SE/SC	Seine	July 3	0.0	0.0	0.2	0.0	0.1	0	0	58	10	36
Kotzebue Sound	2023	SE/SC	Seine	August 1	0.0	0.0	0.5	0.1	0.2	0	0	577	95	228
Kotzebue Sound	2023	SE/SC	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	203	36	132
Kotzebue Sound	2023	SE/SC	Gillnet	June Gillnet	0.0	0.0	2.0	0.4	0.7	0	0	204	37	73
Kotzebue Sound	2023	SE/SC	Gillnet	July 1	0.0	0.0	0.9	0.2	0.3	0	0	62	12	24
Kotzebue Sound	2023	SE/SC	Gillnet	July 2	0.0	0.0	1.0	0.2	0.4	0	0	86	14	38
Kotzebue Sound	2023	SE/SC	Gillnet	July 3	0.0	0.0	0.2	0.0	0.1	0	0	5	1	4
Kotzebue Sound	2023	SE/SC	Gillnet	August 1	0.0	0.0	0.5	0.1	0.2	0	0	60	11	24
Kotzebue Sound	2023	Un/SW	Seine	June 1	1.8	0.0	4.1	1.9	1.3	114	2	260	123	81
Kotzebue Sound	2023	Un/SW	Seine	June 2	0.0	0.0	2.9	0.7	1.1	12	0	1,135	262	417
Kotzebue Sound	2023	Un/SW	Seine	June 3	0.7	0.0	3.1	1.0	1.1	156	0	710	226	249
Kotzebue Sound	2023	Un/SW	Seine	June 4	2.3	0.0	5.2	2.3	1.6	99	0	222	101	70
Kotzebue Sound	2023	Un/SW	Seine	July 1	1.3	0.0	3.4	1.4	1.0	984	0	2,539	1,073	786
Kotzebue Sound	2023	Un/SW	Seine	July 2	0.0	0.0	1.3	0.2	0.5	0	0	503	84	185
Kotzebue Sound	2023	Un/SW	Seine	July 3	0.0	0.0	0.7	0.1	0.3	0	0	103	17	42
Kotzebue Sound	2023	Un/SW	Seine	August 1	0.0	0.0	0.1	0.0	0.1	0	0	187	34	126
Kotzebue Sound	2023	Un/SW	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	156	28	108
Kotzebue Sound	2023	Un/SW	Gillnet	June 1	0.2	0.0	3.1	0.7	1.2	8	0	158	37	61
Kotzebue Sound	2023	Un/SW	Gillnet	June 2	0.5	0.0	4.0	1.0	1.3	91	0	782	206	262
Kotzebue Sound	2023	Un/SW	Gillnet	June 3	0.0	0.0	1.3	0.2	0.5	0	0	41	6	17

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kotzebue Sound	2023	Un/SW	Gillnet	June 4	0.0	0.0	0.4	0.1	0.3	0	0	10	2	8
Kotzebue Sound	2023	Un/SW	Gillnet	July 1	0.0	0.0	0.5	0.1	0.3	0	0	16	3	10
Kotzebue Sound	2023	Un/SW	Gillnet	July 2	0.0	0.0	0.2	0.0	0.1	0	0	12	2	7
Kotzebue Sound	2023	Un/SW	Gillnet	July 3	0.1	0.0	1.3	0.3	0.5	5	0	54	14	20
Kotzebue Sound	2023	Un/SW	Gillnet	August 1	0.0	0.0	0.1	0.0	0.1	0	0	8	1	5
Kotzebue Sound	2024	SE/SC	Seine	June 1	0.0	0.0	1.3	0.2	0.5	0	0	127	22	52
Kotzebue Sound	2024	SE/SC	Seine	June 2	0.0	0.0	1.4	0.3	0.5	4	0	400	78	154
Kotzebue Sound	2024	SE/SC	Seine	June 3	0.0	0.0	0.3	0.1	0.2	0	0	128	21	73
Kotzebue Sound	2024	SE/SC	Seine	June 4	0.0	0.0	0.4	0.1	0.2	0	0	235	41	140
Kotzebue Sound	2024	SE/SC	Seine	July 1	0.0	0.0	1.0	0.2	0.4	0	0	307	47	125
Kotzebue Sound	2024	SE/SC	Seine	July 2	0.0	0.0	0.4	0.1	0.2	0	0	49	8	27
Kotzebue Sound	2024	SE/SC	Seine	July 3	0.0	0.0	1.3	0.3	0.4	23	0	623	147	213
Kotzebue Sound	2024	SE/SC	Gillnet	June Gillnet	1.5	0.0	3.8	1.6	1.2	118	0	295	125	93
Kotzebue Sound	2024	SE/SC	Gillnet	July 1	0.0	0.0	0.4	0.1	0.2	0	0	6	1	4
Kotzebue Sound	2024	SE/SC	Gillnet	July 2	0.0	0.0	0.3	0.0	0.1	0	0	3	1	2
Kotzebue Sound	2024	SE/SC	Gillnet	July 3	0.0	0.0	0.1	0.0	0.1	0	0	3	1	2
Kotzebue Sound	2024	Un/SW	Seine	June 1	0.3	0.0	2.9	0.8	1.0	36	0	378	107	136
Kotzebue Sound	2024	Un/SW	Seine	June 2	0.4	0.0	1.7	0.5	0.6	72	0	355	111	122
Kotzebue Sound	2024	Un/SW	Seine	June 3	0.1	0.0	1.4	0.3	0.5	89	0	1,358	332	489
Kotzebue Sound	2024	Un/SW	Seine	June 4	0.0	0.0	0.7	0.1	0.3	0	0	511	86	215
Kotzebue Sound	2024	Un/SW	Seine	July 1	0.0	0.0	1.5	0.3	0.6	1	0	67	14	25
Kotzebue Sound	2024	Un/SW	Seine	July 2	1.5	0.2	3.2	1.6	0.9	117	19	249	124	69
Kotzebue Sound	2024	Un/SW	Seine	July 3	0.0	0.0	0.5	0.1	0.3	0	0	16	3	11
Kotzebue Sound	2024	Un/SW	Gillnet	June 1	0.0	0.0	1.3	0.2	0.5	1	0	550	98	218
Kotzebue Sound	2024	Un/SW	Gillnet	June 2	0.0	0.0	1.6	0.3	0.6	4	0	560	111	202
Kotzebue Sound	2024	Un/SW	Gillnet	June 3	0.0	0.0	1.6	0.3	0.7	0	0	423	69	174
Kotzebue Sound	2024	Un/SW	Gillnet	June 4	0.1	0.0	1.9	0.4	0.7	2	0	70	16	25
Kotzebue Sound	2024	Un/SW	Gillnet	July 1	0.0	0.0	0.9	0.2	0.5	0	0	2	0	2

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kotzebue Sound	2024	Un/SW	Gillnet	July 2	0.0	0.0	0.4	0.1	0.2	0	0	4	1	2
Kotzebue Sound	2024	Un/SW	Gillnet	July 3	0.0	0.0	0.2	0.0	0.1	0	0	18	3	9

Appendix G4.–Coastal Western Alaska, all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types, and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Coastal Western Alaska	2022	SE/SC	Seine	June 1	15.7	12.3	19.2	15.7	2.1	2,574	2,020	3,159	2,579	346
Coastal Western Alaska	2022	SE/SC	Seine	June 2	17.2	13.8	21.0	17.3	2.2	7,103	5,702	8,672	7,136	924
Coastal Western Alaska	2022	SE/SC	Seine	June 3	9.7	6.7	12.8	9.7	1.9	3,333	2,297	4,380	3,328	637
Coastal Western Alaska	2022	SE/SC	Seine	June 4	12.3	9.3	15.7	12.4	2.0	9,257	6,987	11,848	9,316	1,501
Coastal Western Alaska	2022	SE/SC	Seine	July 1	3.9	2.4	5.9	4.0	1.1	1,276	784	1,933	1,310	350
Coastal Western Alaska	2022	SE/SC	Seine	July 2	0.7	0.2	1.9	0.8	0.5	268	77	680	307	187
Coastal Western Alaska	2022	SE/SC	Seine	July 3	0.2	0.0	1.4	0.4	0.5	120	0	794	224	276
Coastal Western Alaska	2022	SE/SC	Seine	August 1	0.1	0.0	0.8	0.2	0.3	37	0	280	74	98
Coastal Western Alaska	2022	SE/SC	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	16	3	10
Coastal Western Alaska	2022	SE/SC	Gillnet	June Gillnet	14.7	11.3	18.4	14.8	2.1	1,582	1,208	1,969	1,585	230
Coastal Western Alaska	2022	SE/SC	Gillnet	July 1	0.5	0.1	1.6	0.6	0.5	21	3	66	26	20
Coastal Western Alaska	2022	SE/SC	Gillnet	July 2	0.6	0.0	1.8	0.7	0.5	28	1	85	34	26
Coastal Western Alaska	2022	SE/SC	Gillnet	July 3	0.0	0.0	0.2	0.0	0.1	0	0	8	1	5
Coastal Western Alaska	2022	SE/SC	Gillnet	August Gillnet	0.0	0.0	0.1	0.0	0.1	0	0	7	1	4
Coastal Western Alaska	2022	Un/SW	Seine	June 1	24.4	20.1	28.9	24.4	2.6	5,914	4,877	6,998	5,924	639
Coastal Western Alaska	2022	Un/SW	Seine	June 2	21.2	16.4	25.9	21.2	2.9	26,091	20,213	31,952	26,080	3,537
Coastal Western Alaska	2022	Un/SW	Seine	June 3	14.1	10.6	18.1	14.1	2.3	16,932	12,726	21,837	17,040	2,792
Coastal Western Alaska	2022	Un/SW	Seine	June 4	12.2	9.1	15.7	12.2	2.1	6,584	4,892	8,489	6,613	1,116
Coastal Western Alaska	2022	Un/SW	Seine	July 1	13.9	9.4	18.8	13.9	2.9	4,157	2,807	5,632	4,173	879
Coastal Western Alaska	2022	Un/SW	Seine	July 2	7.4	4.8	10.6	7.5	1.7	945	614	1,349	955	222
Coastal Western Alaska	2022	Un/SW	Seine	August 1	0.0	0.0	0.3	0.0	0.2	0	0	56	9	31
Coastal Western Alaska	2022	Un/SW	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	16	3	9
Coastal Western Alaska	2022	Un/SW	Gillnet	June 1	33.2	28.5	38.1	33.3	3.0	3,583	3,076	4,117	3,595	319
Coastal Western Alaska	2022	Un/SW	Gillnet	June 2	39.7	35.1	44.7	39.7	3.0	6,220	5,493	7,007	6,226	470
Coastal Western Alaska	2022	Un/SW	Gillnet	June 3	35.5	29.3	41.8	35.5	3.8	5,792	4,769	6,816	5,791	614
Coastal Western Alaska	2022	Un/SW	Gillnet	June 4	19.3	14.2	25.3	19.4	3.4	287	211	376	289	50

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Coastal Western Alaska	2022	Un/SW	Gillnet	July 1	1.3	0.3	3.0	1.4	0.9	26	6	61	29	18
Coastal Western Alaska	2022	Un/SW	Gillnet	July 1	1.3	0.3	3.0	1.4	0.9	26	6	61	29	18
Coastal Western Alaska	2022	Un/SW	Gillnet	July 2	0.8	0.2	1.9	0.9	0.6	30	6	73	33	21
Coastal Western Alaska	2023	SE/SC	Seine	June 1	31.8	27.8	36.2	31.9	2.6	2,016	1,761	2,294	2,020	162
Coastal Western Alaska	2023	SE/SC	Seine	June 2	28.6	24.2	32.7	28.5	2.6	5,114	4,332	5,862	5,109	467
Coastal Western Alaska	2023	SE/SC	Seine	June 3	25.3	21.1	29.8	25.4	2.7	8,151	6,785	9,583	8,168	858
Coastal Western Alaska	2023	SE/SC	Seine	June 4	15.3	11.9	18.7	15.3	2.1	5,605	4,367	6,834	5,611	753
Coastal Western Alaska	2023	SE/SC	Seine	July 1	4.1	2.5	6.3	4.2	1.2	2,301	1,367	3,469	2,344	646
Coastal Western Alaska	2023	SE/SC	Seine	July 2	1.2	0.4	2.5	1.3	0.6	1,610	577	3,298	1,714	829
Coastal Western Alaska	2023	SE/SC	Seine	July 3	0.0	0.0	0.2	0.0	0.1	0	0	59	11	41
Coastal Western Alaska	2023	SE/SC	Seine	August 1	0.0	0.0	0.7	0.1	0.3	4	0	850	168	332
Coastal Western Alaska	2023	SE/SC	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	222	38	138
Coastal Western Alaska	2023	SE/SC	Gillnet	June Gillnet	27.5	23.5	31.8	27.5	2.5	2,788	2,384	3,223	2,794	252
Coastal Western Alaska	2023	SE/SC	Gillnet	July 1	3.6	2.1	5.7	3.7	1.1	248	142	390	256	77
Coastal Western Alaska	2023	SE/SC	Gillnet	July 2	1.6	0.5	3.2	1.7	0.9	140	40	273	145	72
Coastal Western Alaska	2023	SE/SC	Gillnet	July 3	0.0	0.0	0.2	0.0	0.1	0	0	5	1	3
Coastal Western Alaska	2023	SE/SC	Gillnet	August 1	0.0	0.0	0.4	0.1	0.2	0	0	52	9	22
Coastal Western Alaska	2023	Un/SW	Seine	June 1	36.3	32.0	41.1	36.4	2.7	2,309	2,035	2,609	2,312	174
Coastal Western Alaska	2023	Un/SW	Seine	June 2	33.6	29.0	37.9	33.6	2.7	13,122	11,317	14,799	13,116	1,071
Coastal Western Alaska	2023	Un/SW	Seine	June 3	38.3	33.5	42.9	38.3	2.8	8,677	7,581	9,701	8,670	640
Coastal Western Alaska	2023	Un/SW	Seine	June 4	21.6	17.4	26.4	21.8	2.7	929	748	1,132	935	118
Coastal Western Alaska	2023	Un/SW	Seine	July 1	18.7	14.9	22.9	18.8	2.4	14,019	11,146	17,132	14,053	1,799
Coastal Western Alaska	2023	Un/SW	Seine	July 2	10.0	7.2	13.1	10.1	1.8	3,967	2,854	5,226	4,009	721
Coastal Western Alaska	2023	Un/SW	Seine	July 3	1.4	0.5	3.0	1.6	0.8	215	79	441	233	114
Coastal Western Alaska	2023	Un/SW	Seine	August 1	0.0	0.0	0.1	0.0	0.1	0	0	162	26	94
Coastal Western Alaska	2023	Un/SW	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	126	23	82
Coastal Western Alaska	2023	Un/SW	Gillnet	June 1	32.2	27.6	36.8	32.2	2.8	1,649	1,411	1,882	1,650	141
Coastal Western Alaska	2023	Un/SW	Gillnet	June 2	32.4	27.7	37.6	32.5	3.0	6,384	5,452	7,394	6,402	591

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Coastal Western Alaska	2023	Un/SW	Gillnet	June 3	37.3	32.7	42.1	37.4	2.9	1,187	1,042	1,340	1,190	91
Coastal Western Alaska	2023	Un/SW	Gillnet	June 4	37.4	32.9	42.0	37.4	2.7	930	819	1,044	930	67
Coastal Western Alaska	2023	Un/SW	Gillnet	July 1	4.8	2.0	8.9	5.0	2.1	162	68	300	170	72
Coastal Western Alaska	2023	Un/SW	Gillnet	July 2	0.0	0.0	1.0	0.2	0.4	3	0	62	14	22
Coastal Western Alaska	2023	Un/SW	Gillnet	July 3	0.5	0.0	2.3	0.7	0.8	20	1	96	31	32
Coastal Western Alaska	2023	Un/SW	Gillnet	August 1	0.0	0.0	0.3	0.1	0.2	0	0	16	3	13
Coastal Western Alaska	2024	SE/SC	Seine	June 1	25.9	22.2	29.8	25.9	2.3	2,553	2,184	2,935	2,553	231
Coastal Western Alaska	2024	SE/SC	Seine	June 2	33.5	29.3	37.9	33.5	2.6	9,479	8,299	10,704	9,483	742
Coastal Western Alaska	2024	SE/SC	Seine	June 3	28.1	24.1	32.0	28.0	2.4	10,577	9,073	12,032	10,556	914
Coastal Western Alaska	2024	SE/SC	Seine	June 4	15.0	11.8	18.5	15.1	2.0	8,850	6,979	10,931	8,919	1,196
Coastal Western Alaska	2024	SE/SC	Seine	July 1	4.3	2.6	6.5	4.4	1.2	1,337	795	2,008	1,357	371
Coastal Western Alaska	2024	SE/SC	Seine	July 2	4.5	2.8	6.8	4.6	1.2	615	382	930	629	169
Coastal Western Alaska	2024	SE/SC	Seine	July 3	0.4	0.0	1.9	0.6	0.7	176	0	923	281	326
Coastal Western Alaska	2024	SE/SC	Gillnet	June Gillnet	45.0	40.0	50.1	45.1	3.1	3,473	3,088	3,862	3,475	236
Coastal Western Alaska	2024	SE/SC	Gillnet	July 1	5.9	4.0	8.2	6.0	1.3	101	68	140	102	22
Coastal Western Alaska	2024	SE/SC	Gillnet	July 2	1.2	0.5	2.4	1.3	0.6	15	6	31	17	8
Coastal Western Alaska	2024	SE/SC	Gillnet	July 3	0.0	0.0	0.1	0.0	0.1	0	0	3	1	2
Coastal Western Alaska	2024	Un/SW	Seine	June 1	21.4	17.4	25.5	21.4	2.4	2,833	2,298	3,372	2,835	322
Coastal Western Alaska	2024	Un/SW	Seine	June 2	28.4	24.3	32.7	28.5	2.6	5,882	5,028	6,756	5,888	533
Coastal Western Alaska	2024	Un/SW	Seine	June 3	19.8	16.1	23.9	19.9	2.4	18,839	15,368	22,710	18,909	2,246
Coastal Western Alaska	2024	Un/SW	Seine	June 4	19.2	15.7	23.1	19.3	2.3	13,820	11,270	16,617	13,848	1,645
Coastal Western Alaska	2024	Un/SW	Seine	July 1	11.7	8.7	15.1	11.8	2.0	516	383	664	518	86
Coastal Western Alaska	2024	Un/SW	Seine	July 2	5.4	3.3	8.2	5.5	1.5	422	260	638	430	117
Coastal Western Alaska	2024	Un/SW	Seine	July 3	0.0	0.0	0.5	0.1	0.3	0	0	18	3	10
Coastal Western Alaska	2024	Un/SW	Gillnet	June 1	35.8	31.6	40.0	35.8	2.6	15,086	13,288	16,840	15,071	1,074
Coastal Western Alaska	2024	Un/SW	Gillnet	June 2	42.3	37.5	46.9	42.2	2.7	15,180	13,476	16,824	15,164	984

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Appendix G4.–Page 4 of 4.

					Proportions (%)					Harvest				
					90% CI						90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Coastal Western Alaska	2024	Un/SW	Gillnet	June 3	45.5	40.9	50.1	45.4	2.7	11,678	10,509	12,859	11,671	703
Coastal Western Alaska	2024	Un/SW	Gillnet	June 4	43.7	39.0	48.7	43.8	3.0	1,613	1,442	1,798	1,617	110
Coastal Western Alaska	2024	Un/SW	Gillnet	July 1	14.6	9.2	21.0	14.8	3.6	40	26	58	41	10
Coastal Western Alaska	2024	Un/SW	Gillnet	July 2	3.8	1.9	6.3	3.9	1.3	39	19	65	40	14
Coastal Western Alaska	2024	Un/SW	Gillnet	July 3	0.6	0.0	1.8	0.7	0.6	48	0	142	54	48

Appendix G5.–Upper Yukon River, all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types, and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Upper Yukon River	2022	SE/SC	Seine	June 1	0.0	0.0	0.2	0.0	0.1	0	0	33	5	19
Upper Yukon River	2022	SE/SC	Seine	June 2	0.0	0.0	0.2	0.0	0.1	0	0	95	17	56
Upper Yukon River	2022	SE/SC	Seine	June 3	0.2	0.0	1.0	0.3	0.4	85	1	358	119	120
Upper Yukon River	2022	SE/SC	Seine	June 4	0.0	0.0	0.1	0.0	0.1	0	0	87	17	64
Upper Yukon River	2022	SE/SC	Seine	July 1	0.0	0.0	0.2	0.0	0.1	0	0	53	8	28
Upper Yukon River	2022	SE/SC	Seine	July 2	0.0	0.0	0.2	0.0	0.1	0	0	71	12	41
Upper Yukon River	2022	SE/SC	Seine	July 3	0.0	0.0	0.1	0.0	0.1	0	0	73	14	54
Upper Yukon River	2022	SE/SC	Seine	August 1	0.0	0.0	0.1	0.0	0.1	0	0	49	8	25
Upper Yukon River	2022	SE/SC	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	13	2	9
Upper Yukon River	2022	SE/SC	Gillnet	June Gillnet	0.0	0.0	0.2	0.0	0.1	0	0	17	3	12
Upper Yukon River	2022	SE/SC	Gillnet	July 1	0.0	0.0	0.1	0.0	0.1	0	0	5	1	4
Upper Yukon River	2022	SE/SC	Gillnet	July 2	0.0	0.0	0.1	0.0	0.1	0	0	6	1	4
Upper Yukon River	2022	SE/SC	Gillnet	July 3	0.0	0.0	0.1	0.0	0.1	0	0	7	1	5
Upper Yukon River	2022	SE/SC	Gillnet	August Gillnet	0.0	0.0	0.1	0.0	0.1	0	0	9	1	5
Upper Yukon River	2022	Un/SW	Seine	June 1	0.2	0.0	1.0	0.3	0.4	52	0	251	78	88
Upper Yukon River	2022	Un/SW	Seine	June 2	0.1	0.0	1.0	0.3	0.4	110	0	1,212	308	450
Upper Yukon River	2022	Un/SW	Seine	June 3	0.0	0.0	0.2	0.0	0.1	0	0	186	36	129
Upper Yukon River	2022	Un/SW	Seine	June 4	0.0	0.0	0.2	0.0	0.1	0	0	105	17	56
Upper Yukon River	2022	Un/SW	Seine	July 1	0.0	0.0	0.2	0.0	0.1	0	0	59	11	41
Upper Yukon River	2022	Un/SW	Seine	July 2	0.0	0.0	0.2	0.0	0.1	0	0	19	3	11
Upper Yukon River	2022	Un/SW	Seine	August 1	0.0	0.0	0.2	0.0	0.2	0	0	44	8	30
Upper Yukon River	2022	Un/SW	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	19	3	11
Upper Yukon River	2022	Un/SW	Gillnet	June 1	0.0	0.0	0.4	0.1	0.2	0	0	46	7	21
Upper Yukon River	2022	Un/SW	Gillnet	June 2	0.0	0.0	1.2	0.3	0.4	5	0	181	41	69
Upper Yukon River	2022	Un/SW	Gillnet	June 3	0.6	0.0	1.9	0.7	0.6	97	4	311	120	96
Upper Yukon River	2022	Un/SW	Gillnet	June 4	0.0	0.0	0.3	0.0	0.2	0	0	4	1	2

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Upper Yukon River	2022	Un/SW	Gillnet	July 1	0.0	0.0	0.2	0.0	0.1	0	0	4	1	3
Upper Yukon River	2022	Un/SW	Gillnet	July 2	0.0	0.0	0.1	0.0	0.1	0	0	5	1	3
Upper Yukon River	2023	SE/SC	Seine	June 1	0.0	0.0	0.2	0.0	0.1	0	0	12	2	7
Upper Yukon River	2023	SE/SC	Seine	June 2	0.0	0.0	0.2	0.0	0.2	0	0	39	7	28
Upper Yukon River	2023	SE/SC	Seine	June 3	0.0	0.0	0.3	0.1	0.2	0	0	103	18	57
Upper Yukon River	2023	SE/SC	Seine	June 4	0.3	0.0	1.4	0.4	0.5	100	0	506	159	180
Upper Yukon River	2023	SE/SC	Seine	July 1	0.0	0.0	0.2	0.0	0.1	0	0	95	16	52
Upper Yukon River	2023	SE/SC	Seine	July 2	0.0	0.0	0.1	0.0	0.1	0	0	192	33	123
Upper Yukon River	2023	SE/SC	Seine	July 3	0.0	0.0	0.2	0.0	0.1	0	0	70	11	37
Upper Yukon River	2023	SE/SC	Seine	August 1	0.0	0.0	0.6	0.1	0.2	1	0	716	132	270
Upper Yukon River	2023	SE/SC	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	178	30	96
Upper Yukon River	2023	SE/SC	Gillnet	June Gillnet	0.2	0.0	1.8	0.5	0.6	21	0	181	50	65
Upper Yukon River	2023	SE/SC	Gillnet	July 1	0.0	0.0	0.2	0.0	0.1	0	0	12	2	6
Upper Yukon River	2023	SE/SC	Gillnet	July 2	0.0	0.0	0.1	0.0	0.1	0	0	10	2	5
Upper Yukon River	2023	SE/SC	Gillnet	July 3	0.0	0.0	0.2	0.0	0.1	0	0	6	1	3
Upper Yukon River	2023	SE/SC	Gillnet	August 1	0.0	0.0	0.1	0.0	0.1	0	0	14	2	7
Upper Yukon River	2023	Un/SW	Seine	June 1	0.0	0.0	0.7	0.1	0.3	0	0	47	7	18
Upper Yukon River	2023	Un/SW	Seine	June 2	0.8	0.2	2.1	0.9	0.6	304	65	835	357	251
Upper Yukon River	2023	Un/SW	Seine	June 3	0.0	0.0	1.6	0.3	0.6	0	0	363	63	138
Upper Yukon River	2023	Un/SW	Seine	June 4	0.2	0.0	1.5	0.4	0.5	10	0	63	18	22
Upper Yukon River	2023	Un/SW	Seine	July 1	1.9	0.8	3.5	2.0	0.8	1,398	611	2,635	1,471	612
Upper Yukon River	2023	Un/SW	Seine	July 2	0.7	0.0	1.9	0.8	0.6	276	7	744	318	226
Upper Yukon River	2023	Un/SW	Seine	July 3	0.0	0.0	0.1	0.0	0.1	0	0	20	4	13
Upper Yukon River	2023	Un/SW	Seine	August 1	0.0	0.0	0.1	0.0	0.1	0	0	164	29	103
Upper Yukon River	2023	Un/SW	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	151	28	100
Upper Yukon River	2023	Un/SW	Gillnet	June 1	0.0	0.0	0.9	0.2	0.3	0	0	47	9	18
Upper Yukon River	2023	Un/SW	Gillnet	June 2	0.0	0.0	0.2	0.0	0.1	0	0	31	6	23
Upper Yukon River	2023	Un/SW	Gillnet	June 3	0.0	0.0	0.5	0.1	0.2	0	0	15	2	8

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Upper Yukon River	2023	Un/SW	Gillnet	June 4	0.0	0.0	1.1	0.2	0.4	0	0	27	4	10
Upper Yukon River	2023	Un/SW	Gillnet	July 1	0.0	0.0	0.5	0.1	0.2	0	0	16	2	8
Upper Yukon River	2023	Un/SW	Gillnet	July 2	0.0	0.0	0.4	0.1	0.2	0	0	24	4	11
Upper Yukon River	2023	Un/SW	Gillnet	July 3	0.0	0.0	0.2	0.0	0.2	0	0	9	2	7
Upper Yukon River	2023	Un/SW	Gillnet	August 1	0.0	0.0	0.1	0.0	0.1	0	0	8	2	6
Upper Yukon River	2024	SE/SC	Seine	June 1	0.0	0.0	0.8	0.1	0.3	0	0	83	12	33
Upper Yukon River	2024	SE/SC	Seine	June 2	0.0	0.0	0.2	0.0	0.1	0	0	57	10	37
Upper Yukon River	2024	SE/SC	Seine	June 3	0.3	0.0	1.5	0.5	0.5	101	0	577	171	207
Upper Yukon River	2024	SE/SC	Seine	June 4	0.0	0.0	0.9	0.2	0.3	0	0	514	96	198
Upper Yukon River	2024	SE/SC	Seine	July 1	0.0	0.0	0.1	0.0	0.1	0	0	41	8	34
Upper Yukon River	2024	SE/SC	Seine	July 2	0.6	0.1	1.6	0.7	0.5	78	10	212	91	63
Upper Yukon River	2024	SE/SC	Seine	July 3	0.2	0.0	0.8	0.3	0.3	101	7	417	142	141
Upper Yukon River	2024	SE/SC	Gillnet	June Gillnet	0.3	0.0	2.2	0.6	0.8	25	0	166	47	58
Upper Yukon River	2024	SE/SC	Gillnet	July 1	0.0	0.0	0.2	0.0	0.1	0	0	4	1	2
Upper Yukon River	2024	SE/SC	Gillnet	July 2	0.0	0.0	0.1	0.0	0.1	0	0	2	0	1
Upper Yukon River	2024	SE/SC	Gillnet	July 3	0.0	0.0	0.1	0.0	0.1	0	0	3	1	2
Upper Yukon River	2024	Un/SW	Seine	June 1	0.5	0.0	1.7	0.6	0.5	67	5	219	84	69
Upper Yukon River	2024	Un/SW	Seine	June 2	0.0	0.0	0.2	0.0	0.1	0	0	31	6	23
Upper Yukon River	2024	Un/SW	Seine	June 3	0.0	0.0	0.6	0.1	0.2	2	0	582	111	227
Upper Yukon River	2024	Un/SW	Seine	June 4	1.3	0.1	3.0	1.4	0.9	914	41	2,154	998	625
Upper Yukon River	2024	Un/SW	Seine	July 1	2.5	1.3	4.3	2.6	0.9	112	56	190	116	41
Upper Yukon River	2024	Un/SW	Seine	July 2	1.2	0.4	2.6	1.3	0.7	95	33	206	105	53
Upper Yukon River	2024	Un/SW	Seine	July 3	0.0	0.0	0.6	0.1	0.3	0	0	19	3	9
Upper Yukon River	2024	Un/SW	Gillnet	June 1	0.5	0.0	1.9	0.7	0.6	224	0	790	275	265
Upper Yukon River	2024	Un/SW	Gillnet	June 2	0.9	0.3	2.2	1.0	0.6	330	94	786	371	218
Upper Yukon River	2024	Un/SW	Gillnet	June 3	0.0	0.0	0.6	0.1	0.3	0	0	156	23	83
Upper Yukon River	2024	Un/SW	Gillnet	June 4	1.3	0.0	2.9	1.3	0.8	47	0	107	50	31
Upper Yukon River	2024	Un/SW	Gillnet	July 1	0.0	0.0	3.0	0.7	1.1	0	0	8	2	3

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Upper Yukon River	2024	Un/SW	Gillnet	July2	0.0	0.0	0.2	0.0	0.1	0	0	2	0	1
Upper Yukon River	2024	Un/SW	Gillnet	July3	0.0	0.0	0.1	0.0	0.1	0	0	9	2	6

Appendix G6.–Northern Alaska Peninsula - east, all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen-east	2022	SE/SC	Seine	June 1	0.0	0.0	0.5	0.1	0.2	0	0	82	13	37
N. AK Pen-east	2022	SE/SC	Seine	June 2	0.1	0.0	1.5	0.4	0.5	54	0	606	158	220
N. AK Pen-east	2022	SE/SC	Seine	June 3	0.0	0.0	0.7	0.1	0.3	0	0	249	39	102
N. AK Pen-east	2022	SE/SC	Seine	June 4	0.0	0.0	1.0	0.2	0.4	0	0	739	119	291
N. AK Pen-east	2022	SE/SC	Seine	July 1	0.7	0.1	1.9	0.8	0.6	216	31	631	255	189
N. AK Pen-east	2022	SE/SC	Seine	July 2	0.0	0.0	0.4	0.1	0.2	0	0	154	26	86
N. AK Pen-east	2022	SE/SC	Seine	July 3	0.0	0.0	1.7	0.4	0.6	20	0	971	227	350
N. AK Pen-east	2022	SE/SC	Seine	August 1	0.0	0.0	1.9	0.3	0.7	0	0	677	97	253
N. AK Pen-east	2022	SE/SC	Seine	August 2	0.0	0.0	0.2	0.0	0.2	0	0	23	4	16
N. AK Pen-east	2022	SE/SC	Gillnet	June Gillnet	0.0	0.0	0.4	0.1	0.3	0	0	41	7	28
N. AK Pen-east	2022	SE/SC	Gillnet	July 1	0.0	0.0	1.3	0.2	0.6	0	0	52	8	24
N. AK Pen-east	2022	SE/SC	Gillnet	July 2	0.0	0.0	1.0	0.1	0.5	0	0	47	7	23
N. AK Pen-east	2022	SE/SC	Gillnet	July 3	0.0	0.0	0.5	0.1	0.3	0	0	25	4	17
N. AK Pen-east	2022	SE/SC	Gillnet	August Gillnet	0.0	0.0	0.5	0.1	0.4	0	0	36	6	27
N. AK Pen-east	2022	Un/SW	Seine	June 1	0.0	0.0	0.5	0.1	0.2	0	0	111	18	58
N. AK Pen-east	2022	Un/SW	Seine	June 2	0.8	0.0	3.0	1.0	1.0	991	0	3,652	1,273	1,222
N. AK Pen-east	2022	Un/SW	Seine	June 3	0.8	0.1	2.5	1.0	0.8	918	160	3,058	1,169	927
N. AK Pen-east	2022	Un/SW	Seine	June 4	4.5	2.4	7.5	4.7	1.6	2,454	1,282	4,057	2,543	864
N. AK Pen-east	2022	Un/SW	Seine	July 1	3.4	0.8	8.5	3.8	2.4	1,014	231	2,564	1,153	727
N. AK Pen-east	2022	Un/SW	Seine	July 2	0.9	0.0	3.2	1.1	1.0	119	0	402	140	130
N. AK Pen-east	2022	Un/SW	Seine	August 1	0.0	0.0	0.6	0.1	0.4	0	0	122	22	81
N. AK Pen-east	2022	Un/SW	Seine	August 2	0.0	0.0	0.6	0.1	0.4	0	0	56	11	40
N. AK Pen-east	2022	Un/SW	Gillnet	June 1	3.1	1.3	5.8	3.3	1.4	333	137	630	353	151
N. AK Pen-east	2022	Un/SW	Gillnet	June 2	3.6	1.8	6.0	3.7	1.3	570	276	943	587	200
N. AK Pen-east	2022	Un/SW	Gillnet	June 3	0.4	0.0	1.7	0.6	0.6	72	0	282	97	93
N. AK Pen-east	2022	Un/SW	Gillnet	June 4	7.2	2.9	11.8	7.2	2.7	106	43	176	108	40

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen-east	2022	Un/SW	Gillnet	July 1	1.5	0.1	6.0	2.0	1.9	30	2	121	40	38
N. AK Pen-east	2022	Un/SW	Gillnet	July 2	0.0	0.0	0.9	0.2	0.5	0	0	34	6	20
N. AK Pen-east	2023	SE/SC	Seine	June 1	0.0	0.0	0.3	0.1	0.2	0	0	19	3	12
N. AK Pen-east	2023	SE/SC	Seine	June 2	1.5	0.4	3.1	1.6	0.9	273	75	561	291	155
N. AK Pen-east	2023	SE/SC	Seine	June 3	2.0	0.7	3.8	2.0	0.9	630	224	1,212	660	305
N. AK Pen-east	2023	SE/SC	Seine	June 4	0.0	0.0	1.6	0.3	0.6	1	0	581	99	211
N. AK Pen-east	2023	SE/SC	Seine	July 1	0.9	0.0	2.5	1.0	0.8	473	3	1,362	554	423
N. AK Pen-east	2023	SE/SC	Seine	July 2	0.0	0.0	0.6	0.1	0.3	0	0	847	134	455
N. AK Pen-east	2023	SE/SC	Seine	July 3	0.0	0.0	0.3	0.1	0.2	0	0	117	21	82
N. AK Pen-east	2023	SE/SC	Seine	August 1	0.0	0.0	2.1	0.3	0.8	1	0	2,646	387	1,015
N. AK Pen-east	2023	SE/SC	Seine	August 2	0.0	0.0	0.6	0.1	0.3	0	0	743	121	391
N. AK Pen-east	2023	SE/SC	Gillnet	June Gillnet	0.0	0.0	0.6	0.1	0.2	0	0	60	9	25
N. AK Pen-east	2023	SE/SC	Gillnet	July 1	0.0	0.0	1.9	0.3	0.7	0	0	132	23	49
N. AK Pen-east	2023	SE/SC	Gillnet	July 2	0.0	0.0	1.0	0.2	0.4	0	0	86	17	32
N. AK Pen-east	2023	SE/SC	Gillnet	July 3	0.0	0.0	0.3	0.1	0.3	0	0	10	2	8
N. AK Pen-east	2023	SE/SC	Gillnet	August 1	0.1	0.0	2.9	0.6	1.0	14	0	336	64	115
N. AK Pen-east	2023	Un/SW	Seine	June 1	0.0	0.0	0.5	0.1	0.2	0	0	30	5	16
N. AK Pen-east	2023	Un/SW	Seine	June 2	0.5	0.0	2.6	0.8	0.9	202	0	1,006	306	348
N. AK Pen-east	2023	Un/SW	Seine	June 3	0.9	0.0	2.5	1.1	0.8	213	3	566	243	170
N. AK Pen-east	2023	Un/SW	Seine	June 4	3.7	1.4	6.6	3.8	1.6	158	59	283	163	70
N. AK Pen-east	2023	Un/SW	Seine	July 1	2.5	0.7	5.7	2.7	1.5	1,866	542	4,267	2,053	1,141
N. AK Pen-east	2023	Un/SW	Seine	July 2	6.6	3.3	10.4	6.6	2.1	2,613	1,330	4,124	2,630	829
N. AK Pen-east	2023	Un/SW	Seine	July 3	0.4	0.0	4.8	1.1	1.6	56	0	710	163	244
N. AK Pen-east	2023	Un/SW	Seine	August 1	0.0	0.0	0.6	0.1	0.4	0	0	781	131	449
N. AK Pen-east	2023	Un/SW	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	328	54	188
N. AK Pen-east	2023	Un/SW	Gillnet	June 1	0.8	0.1	2.6	1.0	0.8	41	7	131	51	40
N. AK Pen-east	2023	Un/SW	Gillnet	June 2	1.9	0.0	4.7	2.0	1.5	366	0	934	384	302
N. AK Pen-east	2023	Un/SW	Gillnet	June 3	0.0	0.0	1.1	0.2	0.4	0	0	35	6	14

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen-east	2023	Un/SW	Gillnet	June 4	2.7	1.0	5.5	2.9	1.4	66	25	136	71	35
N. AK Pen-east	2023	Un/SW	Gillnet	July 1	10.2	4.5	18.3	10.6	4.3	344	151	621	360	145
N. AK Pen-east	2023	Un/SW	Gillnet	July 2	8.5	4.2	12.9	8.5	2.7	535	267	811	533	171
N. AK Pen-east	2023	Un/SW	Gillnet	July 3	0.6	0.0	4.0	1.1	1.5	26	0	166	46	60
N. AK Pen-east	2023	Un/SW	Gillnet	August 1	1.5	0.3	7.0	2.4	2.2	88	17	418	145	134
N. AK Pen-east	2024	SE/SC	Seine	June 1	0.0	0.0	0.6	0.1	0.3	0	0	63	10	25
N. AK Pen-east	2024	SE/SC	Seine	June 2	4.0	1.8	6.6	4.1	1.5	1,121	522	1,864	1,158	417
N. AK Pen-east	2024	SE/SC	Seine	June 3	1.1	0.0	2.9	1.3	0.9	427	0	1,096	471	334
N. AK Pen-east	2024	SE/SC	Seine	June 4	1.0	0.0	4.3	1.4	1.5	562	0	2,564	819	862
N. AK Pen-east	2024	SE/SC	Seine	July 1	1.4	0.4	3.2	1.6	0.9	436	138	1,008	485	276
N. AK Pen-east	2024	SE/SC	Seine	July 2	2.3	0.8	4.5	2.4	1.1	314	112	607	330	149
N. AK Pen-east	2024	SE/SC	Seine	July 3	2.4	0.4	5.9	2.7	1.8	1,185	176	2,937	1,322	881
N. AK Pen-east	2024	SE/SC	Gillnet	June Gillnet	7.7	4.5	11.3	7.8	2.1	596	347	872	602	162
N. AK Pen-east	2024	SE/SC	Gillnet	July 1	2.1	0.0	5.2	2.2	1.7	36	0	89	37	29
N. AK Pen-east	2024	SE/SC	Gillnet	July 2	0.0	0.0	0.6	0.1	0.4	0	0	8	1	5
N. AK Pen-east	2024	SE/SC	Gillnet	July 3	0.0	0.0	0.4	0.1	0.2	0	0	10	2	6
N. AK Pen-east	2024	Un/SW	Seine	June 1	0.2	0.0	1.7	0.4	0.6	27	0	223	59	78
N. AK Pen-east	2024	Un/SW	Seine	June 2	5.1	2.9	7.9	5.2	1.5	1,054	609	1,629	1,074	314
N. AK Pen-east	2024	Un/SW	Seine	June 3	2.0	0.0	4.7	2.1	1.5	1,890	0	4,481	1,989	1,422
N. AK Pen-east	2024	Un/SW	Seine	June 4	0.7	0.0	3.0	1.0	1.0	537	0	2,189	701	713
N. AK Pen-east	2024	Un/SW	Seine	July 1	5.6	3.5	8.3	5.7	1.5	246	153	366	251	66
N. AK Pen-east	2024	Un/SW	Seine	July 2	5.6	2.7	10.1	5.9	2.3	439	207	786	462	182
N. AK Pen-east	2024	Un/SW	Seine	July 3	0.0	0.0	1.2	0.2	0.6	0	0	39	6	20
N. AK Pen-east	2024	Un/SW	Gillnet	June 1	0.0	0.0	0.7	0.1	0.3	0	0	281	41	119
N. AK Pen-east	2024	Un/SW	Gillnet	June 2	1.9	0.8	3.7	2.0	0.9	684	272	1,334	730	327
N. AK Pen-east	2024	Un/SW	Gillnet	June 3	1.7	0.6	3.8	1.8	1.0	433	150	975	471	253
N. AK Pen-east	2024	Un/SW	Gillnet	June 4	8.6	5.3	12.4	8.7	2.2	317	194	459	322	80
N. AK Pen-east	2024	Un/SW	Gillnet	July 1	5.1	0.0	12.9	5.5	3.9	14	0	36	15	11

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen-east	2024	Un/SW	Gillnet	July 2	5.9	1.6	10.8	5.9	2.9	61	16	112	61	30
N. AK Pen-east	2024	Un/SW	Gillnet	July 3	1.1	0.0	3.3	1.3	1.1	85	0	268	103	88

Appendix G7.–Northern Alaska Peninsula - west, all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern districts), gear types and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen-west	2022	SE/SC	Seine	June 1	0.0	0.0	0.3	0.1	0.2	0	0	53	9	28
N. AK Pen-west	2022	SE/SC	Seine	June 2	0.0	0.0	0.9	0.2	0.4	1	0	362	66	146
N. AK Pen-west	2022	SE/SC	Seine	June 3	0.8	0.0	1.9	0.8	0.6	263	0	663	288	210
N. AK Pen-west	2022	SE/SC	Seine	June 4	0.4	0.0	1.4	0.5	0.5	295	29	1,087	399	357
N. AK Pen-west	2022	SE/SC	Seine	July 1	1.1	0.0	2.7	1.2	0.8	357	14	883	398	257
N. AK Pen-west	2022	SE/SC	Seine	July 2	0.0	0.0	0.7	0.1	0.3	0	0	260	41	127
N. AK Pen-west	2022	SE/SC	Seine	July 3	1.3	0.0	4.7	1.7	1.6	757	0	2,651	975	880
N. AK Pen-west	2022	SE/SC	Seine	August 1	0.0	0.0	0.4	0.1	0.3	0	0	157	29	120
N. AK Pen-west	2022	SE/SC	Seine	August 2	0.0	0.0	1.2	0.2	0.5	0	0	115	19	53
N. AK Pen-west	2022	SE/SC	Gillnet	June Gillnet	0.0	0.0	0.2	0.0	0.2	0	0	23	4	16
N. AK Pen-west	2022	SE/SC	Gillnet	July 1	0.5	0.0	2.2	0.7	0.7	20	0	90	28	31
N. AK Pen-west	2022	SE/SC	Gillnet	July 2	0.0	0.0	0.9	0.2	0.4	0	0	44	7	18
N. AK Pen-west	2022	SE/SC	Gillnet	July 3	0.0	0.0	1.0	0.2	0.5	0	0	52	8	27
N. AK Pen-west	2022	SE/SC	Gillnet	August Gillnet	0.0	0.0	0.5	0.1	0.3	0	0	35	6	19
N. AK Pen-west	2022	Un/SW	Seine	June 1	0.1	0.0	1.2	0.3	0.4	17	0	285	66	107
N. AK Pen-west	2022	Un/SW	Seine	June 2	1.8	0.3	3.6	1.9	1.0	2,194	380	4,402	2,306	1,210
N. AK Pen-west	2022	Un/SW	Seine	June 3	2.8	1.2	5.0	2.9	1.2	3,321	1,398	6,014	3,476	1,445
N. AK Pen-west	2022	Un/SW	Seine	June 4	3.6	1.8	5.8	3.7	1.2	1,944	995	3,145	1,997	660
N. AK Pen-west	2022	Un/SW	Seine	July 1	7.0	4.1	10.3	7.0	1.9	2,101	1,226	3,087	2,113	567
N. AK Pen-west	2022	Un/SW	Seine	July 2	5.0	2.9	7.7	5.1	1.5	634	365	982	649	187
N. AK Pen-west	2022	Un/SW	Seine	August 1	0.0	0.0	0.5	0.1	0.3	0	0	102	17	62
N. AK Pen-west	2022	Un/SW	Seine	August 2	14.3	10.7	19.1	14.5	2.5	1,435	1,076	1,909	1,455	255
N. AK Pen-west	2022	Un/SW	Gillnet	June 1	0.4	0.0	1.7	0.5	0.5	42	0	179	59	58
N. AK Pen-west	2022	Un/SW	Gillnet	June 2	0.0	0.0	0.3	0.1	0.2	0	0	53	9	27
N. AK Pen-west	2022	Un/SW	Gillnet	June 3	1.4	0.5	2.9	1.5	0.8	233	81	479	252	127
N. AK Pen-west	2022	Un/SW	Gillnet	June 4	5.5	2.5	9.5	5.7	2.1	81	37	142	84	32

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen-west	2022	Un/SW	Gillnet	July 1	7.3	2.4	13.5	7.5	3.4	148	50	273	153	69
N. AK Pen-west	2022	Un/SW	Gillnet	July 2	8.7	4.6	13.1	8.8	2.6	333	175	500	337	99
N. AK Pen-west	2023	SE/SC	Seine	June 1	0.0	0.0	0.1	0.0	0.1	0	0	8	1	5
N. AK Pen-west	2023	SE/SC	Seine	June 2	0.0	0.0	0.2	0.0	0.1	0	0	35	6	25
N. AK Pen-west	2023	SE/SC	Seine	June 3	0.0	0.0	0.6	0.1	0.2	0	0	191	29	73
N. AK Pen-west	2023	SE/SC	Seine	June 4	1.7	0.6	3.6	1.9	0.9	625	225	1,319	684	338
N. AK Pen-west	2023	SE/SC	Seine	July 1	3.5	1.7	6.9	3.8	1.6	1,964	924	3,847	2,123	913
N. AK Pen-west	2023	SE/SC	Seine	July 2	0.0	0.0	1.3	0.3	0.5	60	0	1,726	377	609
N. AK Pen-west	2023	SE/SC	Seine	July 3	0.0	0.0	1.2	0.3	0.5	8	0	431	91	168
N. AK Pen-west	2023	SE/SC	Seine	August 1	0.3	0.0	2.6	0.7	0.9	383	0	3,257	873	1,185
N. AK Pen-west	2023	SE/SC	Seine	August 2	0.0	0.0	0.4	0.1	0.2	0	0	546	87	321
N. AK Pen-west	2023	SE/SC	Gillnet	June Gillnet	0.0	0.0	0.2	0.0	0.1	0	0	19	3	9
N. AK Pen-west	2023	SE/SC	Gillnet	July 1	0.0	0.0	0.4	0.1	0.2	0	0	29	5	16
N. AK Pen-west	2023	SE/SC	Gillnet	July 2	0.0	0.0	2.5	0.5	1.0	1	0	214	43	81
N. AK Pen-west	2023	SE/SC	Gillnet	July 3	0.0	0.0	0.4	0.1	0.2	0	0	11	2	7
N. AK Pen-west	2023	SE/SC	Gillnet	August 1	0.0	0.0	0.2	0.0	0.1	0	0	24	4	16
N. AK Pen-west	2023	Un/SW	Seine	June 1	0.9	0.2	2.2	1.0	0.6	59	14	139	66	40
N. AK Pen-west	2023	Un/SW	Seine	June 2	0.6	0.0	2.7	0.9	0.9	252	0	1,058	353	354
N. AK Pen-west	2023	Un/SW	Seine	June 3	4.2	2.2	6.8	4.3	1.4	951	498	1,548	976	319
N. AK Pen-west	2023	Un/SW	Seine	June 4	5.8	3.3	8.8	5.9	1.7	248	143	379	252	72
N. AK Pen-west	2023	Un/SW	Seine	July 1	8.0	5.2	11.2	8.0	1.9	5,968	3,868	8,383	6,000	1,393
N. AK Pen-west	2023	Un/SW	Seine	July 2	12.8	9.3	16.8	12.9	2.3	5,096	3,685	6,694	5,136	907
N. AK Pen-west	2023	Un/SW	Seine	July 3	6.5	4.1	9.9	6.7	1.8	972	603	1,467	998	266
N. AK Pen-west	2023	Un/SW	Seine	August 1	0.8	0.0	4.1	1.3	1.5	1,006	0	5,174	1,574	1,821
N. AK Pen-west	2023	Un/SW	Seine	August 2	0.0	0.0	1.1	0.2	0.5	0	0	1,450	228	657
N. AK Pen-west	2023	Un/SW	Gillnet	June 1	1.3	0.1	3.2	1.4	1.0	64	4	164	72	50
N. AK Pen-west	2023	Un/SW	Gillnet	June 2	0.8	0.0	2.5	1.0	0.8	160	0	493	191	156
N. AK Pen-west	2023	Un/SW	Gillnet	June 3	6.3	3.8	9.3	6.4	1.7	202	120	298	203	54

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen-west	2023	Un/SW	Gillnet	June 4	5.4	2.7	8.8	5.5	1.8	135	66	218	137	46
N. AK Pen-west	2023	Un/SW	Gillnet	July 1	5.4	1.8	11.3	5.8	2.9	184	62	382	197	97
N. AK Pen-west	2023	Un/SW	Gillnet	July 2	21.4	16.7	27.4	21.7	3.3	1,345	1,054	1,726	1,364	205
N. AK Pen-west	2023	Un/SW	Gillnet	July 3	13.8	9.1	19.3	14.0	3.2	574	376	800	581	131
N. AK Pen-west	2023	Un/SW	Gillnet	August 1	22.5	17.4	28.2	22.5	3.3	1,347	1,042	1,691	1,351	198
N. AK Pen-west	2024	SE/SC	Seine	June 1	0.0	0.0	0.3	0.0	0.1	0	0	29	5	13
N. AK Pen-west	2024	SE/SC	Seine	June 2	0.3	0.0	1.5	0.5	0.5	87	0	418	130	146
N. AK Pen-west	2024	SE/SC	Seine	June 3	1.2	0.3	2.7	1.3	0.7	438	122	998	483	275
N. AK Pen-west	2024	SE/SC	Seine	June 4	5.4	2.8	8.1	5.4	1.6	3,167	1,664	4,797	3,188	932
N. AK Pen-west	2024	SE/SC	Seine	July 1	2.2	0.7	5.0	2.5	1.4	673	212	1,556	762	421
N. AK Pen-west	2024	SE/SC	Seine	July 2	3.2	1.0	6.5	3.4	1.7	432	135	889	460	235
N. AK Pen-west	2024	SE/SC	Seine	July 3	2.7	0.0	5.9	2.8	1.7	1,312	3	2,906	1,379	862
N. AK Pen-west	2024	SE/SC	Gillnet	June Gillnet	2.3	0.9	4.6	2.5	1.2	177	66	357	190	92
N. AK Pen-west	2024	SE/SC	Gillnet	July 1	0.3	0.0	2.0	0.6	0.7	5	0	33	9	12
N. AK Pen-west	2024	SE/SC	Gillnet	July 2	0.0	0.0	0.9	0.1	0.4	0	0	11	2	5
N. AK Pen-west	2024	SE/SC	Gillnet	July 3	0.0	0.0	1.4	0.2	0.7	0	0	37	6	19
N. AK Pen-west	2024	Un/SW	Seine	June 1	1.4	0.5	2.8	1.5	0.7	188	61	371	200	99
N. AK Pen-west	2024	Un/SW	Seine	June 2	2.5	1.3	4.1	2.6	0.9	514	268	848	532	182
N. AK Pen-west	2024	Un/SW	Seine	June 3	1.8	0.5	3.9	1.9	1.1	1,679	503	3,718	1,850	1,001
N. AK Pen-west	2024	Un/SW	Seine	June 4	4.9	3.0	7.0	4.9	1.2	3,487	2,166	5,018	3,520	866
N. AK Pen-west	2024	Un/SW	Seine	July 1	4.2	2.5	6.5	4.3	1.2	184	110	289	190	55
N. AK Pen-west	2024	Un/SW	Seine	July 2	3.2	0.9	6.0	3.2	1.5	246	71	465	253	119
N. AK Pen-west	2024	Un/SW	Seine	July 3	0.0	0.0	1.6	0.3	0.8	0	0	54	8	26
N. AK Pen-west	2024	Un/SW	Gillnet	June 1	2.2	1.1	3.9	2.3	0.8	936	481	1,631	980	356
N. AK Pen-west	2024	Un/SW	Gillnet	June 2	2.2	1.0	3.8	2.3	0.9	790	356	1,372	814	308
N. AK Pen-west	2024	Un/SW	Gillnet	June 3	6.6	4.5	9.1	6.6	1.4	1,685	1,146	2,338	1,707	355
N. AK Pen-west	2024	Un/SW	Gillnet	June 4	7.1	4.4	10.3	7.2	1.8	264	164	382	266	65
N. AK Pen-west	2024	Un/SW	Gillnet	July 1	3.4	0.0	8.7	3.7	2.8	10	0	24	10	8

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Appendix G7.–Page 4 of 4.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
N. AK Pen-west	2024	Un/SW	Gillnet	July 2	18.8	12.8	24.9	18.8	3.6	196	134	260	196	38
N. AK Pen-west	2024	Un/SW	Gillnet	July 3	9.9	6.7	13.9	10.1	2.2	793	533	1,111	804	177

Appendix G8.–S. Alaska Pen./W. Kodiak I., all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern districts), gear types, and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
S. AK Pen./W. Kodiak I.	2022	SE/SC	Seine	June 1	1.0	0.0	2.8	1.1	0.9	169	0	457	181	155
S. AK Pen./W. Kodiak I.	2022	SE/SC	Seine	June 2	2.1	0.0	5.8	2.3	1.9	855	0	2,413	954	785
S. AK Pen./W. Kodiak I.	2022	SE/SC	Seine	June 3	1.0	0.2	2.8	1.2	0.8	341	78	948	401	271
S. AK Pen./W. Kodiak I.	2022	SE/SC	Seine	June 4	0.9	0.0	4.2	1.3	1.4	697	0	3,189	1,008	1,091
S. AK Pen./W. Kodiak I.	2022	SE/SC	Seine	July 1	30.0	24.2	36.4	30.1	3.8	9,803	7,907	11,920	9,831	1,251
S. AK Pen./W. Kodiak I.	2022	SE/SC	Seine	July 2	33.0	27.3	38.3	32.9	3.4	12,119	10,025	14,056	12,080	1,233
S. AK Pen./W. Kodiak I.	2022	SE/SC	Seine	July 3	44.3	27.8	54.2	42.3	8.8	25,128	15,762	30,724	23,999	4,985
S. AK Pen./W. Kodiak I.	2022	SE/SC	Seine	August 1	38.3	30.3	47.4	38.5	5.2	13,683	10,816	16,921	13,759	1,854
S. AK Pen./W. Kodiak I.	2022	SE/SC	Seine	August 2	69.0	58.6	77.8	68.7	5.8	6,753	5,736	7,618	6,732	572
S. AK Pen./W. Kodiak I.	2022	SE/SC	Gillnet	June Gillnet	24.9	18.6	30.1	24.8	3.5	2,676	1,998	3,226	2,657	372
S. AK Pen./W. Kodiak I.	2022	SE/SC	Gillnet	July 1	46.5	36.8	56.8	46.5	6.1	1,905	1,506	2,325	1,904	250
S. AK Pen./W. Kodiak I.	2022	SE/SC	Gillnet	July 2	54.9	44.1	68.7	55.5	7.3	2,653	2,130	3,321	2,681	352
S. AK Pen./W. Kodiak I.	2022	SE/SC	Gillnet	July 3	67.3	53.6	75.3	65.9	7.0	3,492	2,782	3,907	3,420	363
S. AK Pen./W. Kodiak I.	2022	SE/SC	Gillnet	August Gillnet	83.0	71.3	95.9	83.0	7.0	5,850	5,027	6,761	5,851	490
S. AK Pen./W. Kodiak I.	2022	Un/SW	Seine	June 1	3.5	1.2	6.3	3.6	1.6	842	294	1,532	864	377
S. AK Pen./W. Kodiak I.	2022	Un/SW	Seine	June 2	0.3	0.0	4.5	1.3	1.6	412	0	5,490	1,590	1,994
S. AK Pen./W. Kodiak I.	2022	Un/SW	Seine	June 3	2.6	0.0	4.9	2.6	1.4	3,088	2	5,889	3,106	1,704
S. AK Pen./W. Kodiak I.	2022	Un/SW	Seine	June 4	2.7	0.7	5.3	2.8	1.4	1,458	378	2,837	1,513	739
S. AK Pen./W. Kodiak I.	2022	Un/SW	Seine	July 1	5.2	1.5	9.9	5.4	2.5	1,552	456	2,969	1,624	758
S. AK Pen./W. Kodiak I.	2022	Un/SW	Seine	July 2	35.8	27.9	43.9	35.8	4.8	4,551	3,545	5,574	4,554	613
S. AK Pen./W. Kodiak I.	2022	Un/SW	Seine	August 1	88.9	77.2	99.2	88.7	6.8	16,718	14,528	18,650	16,684	1,281
S. AK Pen./W. Kodiak I.	2022	Un/SW	Seine	August 2	83.4	77.2	87.4	83.0	3.2	8,357	7,738	8,751	8,314	319
S. AK Pen./W. Kodiak I.	2022	Un/SW	Gillnet	June 1	6.1	3.6	9.3	6.2	1.7	654	388	1,004	671	186
S. AK Pen./W. Kodiak I.	2022	Un/SW	Gillnet	June 2	4.4	2.1	7.2	4.5	1.5	683	332	1,125	699	241
S. AK Pen./W. Kodiak I.	2022	Un/SW	Gillnet	June 3	0.4	0.0	2.9	0.9	1.1	70	0	480	145	174
S. AK Pen./W. Kodiak I.	2022	Un/SW	Gillnet	June 4	5.7	0.5	10.2	5.6	2.8	84	7	151	84	42

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
S. AK Pen./W. Kodiak I.	2022	Un/SW	Gillnet	July 1	45.3	35.3	55.8	45.4	6.4	918	715	1,132	920	130
S. AK Pen./W. Kodiak I.	2022	Un/SW	Gillnet	July 1	45.3	35.3	55.8	45.4	6.4	918	715	1,132	920	130
S. AK Pen./W. Kodiak I.	2022	Un/SW	Gillnet	July 2	65.4	56.4	74.2	65.4	5.4	2,494	2,151	2,829	2,493	206
S. AK Pen./W. Kodiak I.	2023	SE/SC	Seine	June 1	1.7	0.3	3.6	1.8	1.0	111	20	225	116	62
S. AK Pen./W. Kodiak I.	2023	SE/SC	Seine	June 2	1.7	0.2	3.7	1.8	1.0	312	40	655	326	183
S. AK Pen./W. Kodiak I.	2023	SE/SC	Seine	June 3	0.2	0.0	2.5	0.6	0.9	70	0	798	184	289
S. AK Pen./W. Kodiak I.	2023	SE/SC	Seine	June 4	18.4	13.8	22.9	18.4	2.7	6,721	5,061	8,376	6,719	991
S. AK Pen./W. Kodiak I.	2023	SE/SC	Seine	July 1	42.0	34.0	49.5	42.0	4.8	23,287	18,858	27,472	23,266	2,640
S. AK Pen./W. Kodiak I.	2023	SE/SC	Seine	July 2	64.2	52.9	73.0	63.7	6.4	85,800	70,723	97,568	85,174	8,560
S. AK Pen./W. Kodiak I.	2023	SE/SC	Seine	July 3	56.1	45.2	67.3	56.2	6.8	19,339	15,564	23,195	19,360	2,354
S. AK Pen./W. Kodiak I.	2023	SE/SC	Seine	August 1	59.4	49.1	69.0	59.3	5.9	74,799	61,815	86,854	74,689	7,478
S. AK Pen./W. Kodiak I.	2023	SE/SC	Seine	August 2	74.9	64.5	86.5	75.1	6.6	97,237	83,771	112,269	97,523	8,547
S. AK Pen./W. Kodiak I.	2023	SE/SC	Gillnet	June Gillnet	13.3	8.8	19.3	13.6	3.3	1,346	889	1,954	1,380	330
S. AK Pen./W. Kodiak I.	2023	SE/SC	Gillnet	July 1	61.6	53.3	69.6	61.5	5.0	4,222	3,657	4,776	4,217	345
S. AK Pen./W. Kodiak I.	2023	SE/SC	Gillnet	July 2	92.6	87.2	95.8	92.1	2.8	7,850	7,396	8,119	7,811	235
S. AK Pen./W. Kodiak I.	2023	SE/SC	Gillnet	July 3	85.5	72.6	97.0	85.3	7.5	2,510	2,132	2,847	2,505	219
S. AK Pen./W. Kodiak I.	2023	SE/SC	Gillnet	August 1	62.2	51.2	72.6	62.1	6.6	7,180	5,902	8,382	7,170	766
S. AK Pen./W. Kodiak I.	2023	Un/SW	Seine	June 1	0.0	0.0	1.6	0.3	0.6	0	0	100	21	37
S. AK Pen./W. Kodiak I.	2023	Un/SW	Seine	June 2	0.0	0.0	1.4	0.3	0.5	2	0	544	108	208
S. AK Pen./W. Kodiak I.	2023	Un/SW	Seine	June 3	0.0	0.0	1.4	0.2	0.6	0	0	319	50	129
S. AK Pen./W. Kodiak I.	2023	Un/SW	Seine	June 4	3.4	0.3	6.6	3.4	1.9	144	13	281	147	80
S. AK Pen./W. Kodiak I.	2023	Un/SW	Seine	July 1	5.1	2.0	9.1	5.2	2.1	3,844	1,497	6,784	3,931	1,596
S. AK Pen./W. Kodiak I.	2023	Un/SW	Seine	July 2	5.6	2.3	11.4	6.1	2.9	2,214	928	4,546	2,436	1,135
S. AK Pen./W. Kodiak I.	2023	Un/SW	Seine	July 3	58.3	49.6	64.5	57.8	4.5	8,667	7,368	9,585	8,589	673
S. AK Pen./W. Kodiak I.	2023	Un/SW	Seine	August 1	97.7	87.7	99.8	96.4	3.9	122,132	109,538	124,756	120,464	4,857
S. AK Pen./W. Kodiak I.	2023	Un/SW	Seine	August 2	84.1	76.8	93.3	84.4	4.8	110,803	101,146	122,941	111,200	6,374
S. AK Pen./W. Kodiak I.	2023	Un/SW	Gillnet	June 1	1.9	0.0	6.2	2.4	2.1	99	0	315	123	108
S. AK Pen./W. Kodiak I.	2023	Un/SW	Gillnet	June 2	5.2	2.3	8.4	5.3	1.9	1,031	453	1,660	1,035	375

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
S. AK Pen./W. Kodiak I.	2023	Un/SW	Gillnet	June 3	8.1	4.9	12.5	8.3	2.3	259	155	396	265	72
S. AK Pen./W. Kodiak I.	2023	Un/SW	Gillnet	June 4	6.1	2.6	10.1	6.2	2.3	152	66	252	155	58
S. AK Pen./W. Kodiak I.	2023	Un/SW	Gillnet	July 1	52.5	35.4	63.4	51.6	8.6	1,779	1,199	2,148	1,749	292
S. AK Pen./W. Kodiak I.	2023	Un/SW	Gillnet	July 2	48.3	41.7	55.6	48.5	4.3	3,040	2,624	3,498	3,051	268
S. AK Pen./W. Kodiak I.	2023	Un/SW	Gillnet	July 3	79.6	71.5	85.6	79.1	4.2	3,297	2,964	3,547	3,280	176
S. AK Pen./W. Kodiak I.	2023	Un/SW	Gillnet	August 1	53.5	45.0	62.0	53.5	5.3	3,204	2,695	3,718	3,204	320
S. AK Pen./W. Kodiak I.	2024	SE/SC	Seine	June 1	1.5	0.0	3.4	1.6	1.0	149	0	338	159	100
S. AK Pen./W. Kodiak I.	2024	SE/SC	Seine	June 2	1.7	0.0	3.7	1.8	1.1	486	7	1,044	511	299
S. AK Pen./W. Kodiak I.	2024	SE/SC	Seine	June 3	3.5	1.7	5.8	3.6	1.3	1,330	652	2,197	1,362	474
S. AK Pen./W. Kodiak I.	2024	SE/SC	Seine	June 4	1.3	0.2	4.3	1.7	1.4	757	125	2,567	1,007	805
S. AK Pen./W. Kodiak I.	2024	SE/SC	Seine	July 1	32.9	27.3	38.2	32.8	3.3	10,213	8,465	11,861	10,192	1,026
S. AK Pen./W. Kodiak I.	2024	SE/SC	Seine	July 2	38.3	30.9	45.5	38.3	4.5	5,215	4,205	6,195	5,213	614
S. AK Pen./W. Kodiak I.	2024	SE/SC	Seine	July 3	64.3	53.7	72.6	63.8	5.9	31,777	26,564	35,886	31,541	2,899
S. AK Pen./W. Kodiak I.	2024	SE/SC	Gillnet	June Gillnet	2.7	1.3	5.8	3.0	1.5	209	101	446	232	112
S. AK Pen./W. Kodiak I.	2024	SE/SC	Gillnet	July 1	44.5	36.2	52.3	44.5	4.9	757	615	889	755	83
S. AK Pen./W. Kodiak I.	2024	SE/SC	Gillnet	July 2	60.6	53.0	68.2	60.7	4.6	785	686	883	786	59
S. AK Pen./W. Kodiak I.	2024	SE/SC	Gillnet	July 3	75.2	66.1	85.9	75.4	6.0	2,033	1,787	2,323	2,038	163
S. AK Pen./W. Kodiak I.	2024	Un/SW	Seine	June 1	0.0	0.0	1.0	0.2	0.4	0	0	133	23	51
S. AK Pen./W. Kodiak I.	2024	Un/SW	Seine	June 2	0.4	0.0	1.5	0.6	0.5	88	10	319	116	99
S. AK Pen./W. Kodiak I.	2024	Un/SW	Seine	June 3	0.0	0.0	2.9	0.6	1.0	9	0	2,715	540	943
S. AK Pen./W. Kodiak I.	2024	Un/SW	Seine	June 4	0.6	0.0	1.7	0.7	0.5	455	2	1,234	516	377
S. AK Pen./W. Kodiak I.	2024	Un/SW	Seine	July 1	6.1	3.2	9.2	6.1	1.8	271	140	405	270	81
S. AK Pen./W. Kodiak I.	2024	Un/SW	Seine	July 2	25.8	20.2	31.1	25.8	3.3	2,015	1,572	2,428	2,009	261
S. AK Pen./W. Kodiak I.	2024	Un/SW	Seine	July 3	81.7	67.9	92.2	81.2	7.7	2,738	2,274	3,090	2,719	259
S. AK Pen./W. Kodiak I.	2024	Un/SW	Gillnet	June 1	0.7	0.0	2.2	0.9	0.7	313	0	935	368	299
S. AK Pen./W. Kodiak I.	2024	Un/SW	Gillnet	June 2	2.0	0.0	4.1	2.0	1.2	702	5	1,475	730	414
S. AK Pen./W. Kodiak I.	2024	Un/SW	Gillnet	June 3	3.3	1.5	5.5	3.4	1.2	848	394	1,416	871	316
S. AK Pen./W. Kodiak I.	2024	Un/SW	Gillnet	June 4	0.9	0.0	3.9	1.3	1.3	34	0	144	47	49

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
S. AK Pen./W. Kodiak I.	2024	Un/SW	Gillnet	July 1	42.1	27.6	55.2	41.8	8.3	117	77	153	116	23
S. AK Pen./W. Kodiak I.	2024	Un/SW	Gillnet	July 2	35.7	28.4	43.5	35.7	4.5	372	296	453	372	47
S. AK Pen./W. Kodiak I.	2024	Un/SW	Gillnet	July 3	61.6	52.1	67.6	60.9	4.7	4,923	4,165	5,405	4,873	375

Appendix G9.–Kodiak, all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kodiak	2022	SE/SC	Seine	June 1	0.1	0.0	2.0	0.5	0.7	22	0	326	83	115
Kodiak	2022	SE/SC	Seine	June 2	4.3	0.0	7.7	4.2	2.1	1,757	12	3,178	1,732	879
Kodiak	2022	SE/SC	Seine	June 3	0.5	0.0	2.6	0.8	0.9	156	0	881	263	311
Kodiak	2022	SE/SC	Seine	June 4	5.6	2.4	8.8	5.6	1.9	4,239	1,836	6,604	4,249	1,445
Kodiak	2022	SE/SC	Seine	July 1	11.3	5.7	17.2	11.3	3.5	3,683	1,874	5,613	3,705	1,131
Kodiak	2022	SE/SC	Seine	July 2	0.9	0.1	6.9	2.0	2.3	328	54	2,526	723	826
Kodiak	2022	SE/SC	Seine	July 3	5.8	0.1	22.3	8.4	8.2	3,299	36	12,644	4,738	4,625
Kodiak	2022	SE/SC	Seine	August 1	55.7	46.8	63.7	55.4	5.1	19,889	16,708	22,734	19,798	1,829
Kodiak	2022	SE/SC	Seine	August 2	21.1	12.7	31.4	21.4	5.7	2,068	1,241	3,078	2,094	555
Kodiak	2022	SE/SC	Gillnet	June Gillnet	1.9	0.7	9.1	3.1	2.7	206	73	972	328	289
Kodiak	2022	SE/SC	Gillnet	July 1	33.4	23.4	43.3	33.3	6.2	1,365	958	1,772	1,365	253
Kodiak	2022	SE/SC	Gillnet	July 2	24.5	10.9	35.9	24.1	7.5	1,182	528	1,737	1,165	364
Kodiak	2022	SE/SC	Gillnet	July 3	4.3	0.0	17.7	6.0	6.4	222	0	918	312	333
Kodiak	2022	SE/SC	Gillnet	August Gillnet	14.0	0.1	25.5	13.9	7.0	990	7	1,795	983	490
Kodiak	2022	Un/SW	Seine	June 1	2.1	0.0	5.1	2.1	1.7	502	0	1,243	521	419
Kodiak	2022	Un/SW	Seine	June 2	1.4	0.0	3.7	1.4	1.3	1,697	0	4,539	1,749	1,600
Kodiak	2022	Un/SW	Seine	June 3	0.0	0.0	1.4	0.2	0.5	1	0	1,672	264	649
Kodiak	2022	Un/SW	Seine	June 4	0.0	0.0	0.7	0.1	0.4	0	0	380	62	195
Kodiak	2022	Un/SW	Seine	July 1	4.2	0.4	8.1	4.2	2.2	1,246	123	2,433	1,274	675
Kodiak	2022	Un/SW	Seine	July 2	15.8	8.8	23.3	15.8	4.4	2,005	1,122	2,963	2,013	557
Kodiak	2022	Un/SW	Seine	August 1	9.7	0.0	21.6	10.0	6.8	1,825	0	4,058	1,873	1,276
Kodiak	2022	Un/SW	Seine	August 2	0.0	0.0	5.0	0.7	1.8	0	0	501	75	183
Kodiak	2022	Un/SW	Gillnet	June 1	0.0	0.0	1.4	0.2	0.6	0	0	152	24	63
Kodiak	2022	Un/SW	Gillnet	June 2	0.1	0.0	2.3	0.6	0.8	16	0	356	89	130
Kodiak	2022	Un/SW	Gillnet	June 3	1.4	0.0	4.1	1.6	1.4	236	0	675	260	227
Kodiak	2022	Un/SW	Gillnet	June 4	0.5	0.0	3.2	0.9	1.2	7	1	48	13	17

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kodiak	2022	Un/SW	Gillnet	July 1	18.9	10.6	28.5	19.1	5.4	384	214	578	387	110
Kodiak	2022	Un/SW	Gillnet	July 2	15.8	8.0	24.6	16.0	5.1	604	304	939	610	194
Kodiak	2023	SE/SC	Seine	June 1	0.0	0.0	1.6	0.3	0.6	1	0	100	18	35
Kodiak	2023	SE/SC	Seine	June 2	0.0	0.0	1.4	0.2	0.5	0	0	255	43	96
Kodiak	2023	SE/SC	Seine	June 3	4.5	1.8	7.0	4.5	1.5	1,460	581	2,249	1,452	498
Kodiak	2023	SE/SC	Seine	June 4	2.6	1.1	7.2	3.2	1.9	964	418	2,615	1,181	707
Kodiak	2023	SE/SC	Seine	July 1	15.8	9.9	23.8	16.1	4.1	8,744	5,479	13,189	8,911	2,271
Kodiak	2023	SE/SC	Seine	July 2	6.7	0.1	17.6	7.3	6.1	8,976	116	23,534	9,757	8,175
Kodiak	2023	SE/SC	Seine	July 3	26.3	15.3	37.6	26.4	6.8	9,081	5,290	12,958	9,094	2,336
Kodiak	2023	SE/SC	Seine	August 1	26.5	17.5	36.5	26.8	5.8	33,369	22,085	45,996	33,711	7,309
Kodiak	2023	SE/SC	Seine	August 2	22.8	11.6	33.3	22.6	6.6	29,665	15,064	43,191	29,404	8,511
Kodiak	2023	SE/SC	Gillnet	June Gillnet	5.8	1.7	10.0	5.7	2.6	590	176	1,015	583	265
Kodiak	2023	SE/SC	Gillnet	July 1	14.9	7.4	22.7	15.0	4.7	1,020	505	1,558	1,030	320
Kodiak	2023	SE/SC	Gillnet	July 2	0.3	0.0	5.1	1.0	1.9	25	2	431	84	160
Kodiak	2023	SE/SC	Gillnet	July 3	11.5	0.3	24.3	11.7	7.4	339	10	714	345	217
Kodiak	2023	SE/SC	Gillnet	August 1	27.1	16.5	38.2	27.1	6.7	3,131	1,904	4,409	3,127	768
Kodiak	2023	Un/SW	Seine	June 1	1.3	0.0	3.4	1.4	1.1	84	0	218	88	72
Kodiak	2023	Un/SW	Seine	June 2	0.2	0.0	2.9	0.8	1.0	80	0	1,131	294	398
Kodiak	2023	Un/SW	Seine	June 3	2.1	0.0	5.0	2.2	1.6	474	0	1,130	490	368
Kodiak	2023	Un/SW	Seine	June 4	0.1	0.0	3.3	0.7	1.2	3	0	142	30	51
Kodiak	2023	Un/SW	Seine	July 1	2.9	0.1	5.8	2.9	1.7	2,141	101	4,363	2,176	1,306
Kodiak	2023	Un/SW	Seine	July 2	5.7	0.6	10.0	5.6	2.7	2,253	236	3,968	2,222	1,089
Kodiak	2023	Un/SW	Seine	July 3	0.8	0.0	10.0	2.7	3.6	120	0	1,485	404	532
Kodiak	2023	Un/SW	Seine	August 1	0.0	0.0	10.6	1.8	3.6	9	0	13,253	2,279	4,550
Kodiak	2023	Un/SW	Seine	August 2	14.1	5.0	21.4	13.8	4.8	18,569	6,652	28,157	18,248	6,375
Kodiak	2023	Un/SW	Gillnet	June 1	2.0	0.0	6.0	2.2	2.1	103	0	308	114	109
Kodiak	2023	Un/SW	Gillnet	June 2	0.3	0.0	2.8	0.7	1.1	60	5	551	132	217
Kodiak	2023	Un/SW	Gillnet	June 3	0.0	0.0	2.1	0.4	0.9	0	0	68	11	28

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kodiak	2023	Un/SW	Gillnet	June 4	4.4	1.3	8.1	4.5	2.1	109	32	202	112	53
Kodiak	2023	Un/SW	Gillnet	July 1	0.0	0.0	18.8	3.2	6.5	1	0	638	110	219
Kodiak	2023	Un/SW	Gillnet	July 2	9.6	3.9	15.3	9.6	3.5	605	248	966	606	220
Kodiak	2023	Un/SW	Gillnet	July 3	0.0	0.0	7.1	1.2	2.6	0	0	294	52	106
Kodiak	2023	Un/SW	Gillnet	August 1	13.0	4.1	21.6	12.9	5.3	777	248	1,293	773	318
Kodiak	2024	SE/SC	Seine	June 1	0.6	0.1	2.5	0.8	0.8	61	12	241	83	74
Kodiak	2024	SE/SC	Seine	June 2	0.0	0.0	1.4	0.3	0.5	1	0	409	72	150
Kodiak	2024	SE/SC	Seine	June 3	0.0	0.0	1.3	0.2	0.5	0	0	488	79	198
Kodiak	2024	SE/SC	Seine	June 4	0.0	0.0	2.9	0.6	1.1	4	0	1,739	350	621
Kodiak	2024	SE/SC	Seine	July 1	0.5	0.0	5.0	1.2	1.7	140	9	1,546	369	520
Kodiak	2024	SE/SC	Seine	July 2	4.6	0.1	10.0	4.4	3.3	620	11	1,356	597	448
Kodiak	2024	SE/SC	Seine	July 3	6.8	0.0	17.0	7.1	5.7	3,350	0	8,427	3,499	2,796
Kodiak	2024	SE/SC	Gillnet	June Gillnet	5.5	2.5	8.6	5.5	1.8	423	196	660	425	140
Kodiak	2024	SE/SC	Gillnet	July 1	16.2	9.7	24.1	16.4	4.4	276	165	409	279	74
Kodiak	2024	SE/SC	Gillnet	July 2	20.0	12.9	27.4	20.0	4.3	259	168	354	259	56
Kodiak	2024	SE/SC	Gillnet	July 3	23.4	12.7	32.6	23.2	6.0	633	342	883	628	163
Kodiak	2024	Un/SW	Seine	June 1	0.0	0.0	0.5	0.1	0.2	0	0	69	11	30
Kodiak	2024	Un/SW	Seine	June 2	0.0	0.0	0.4	0.1	0.2	0	0	85	12	34
Kodiak	2024	Un/SW	Seine	June 3	2.1	0.0	4.1	2.1	1.2	1,961	0	3,918	1,979	1,154
Kodiak	2024	Un/SW	Seine	June 4	0.0	0.0	0.3	0.1	0.2	0	0	251	38	123
Kodiak	2024	Un/SW	Seine	July 1	0.1	0.0	3.1	0.8	1.1	3	0	139	33	49
Kodiak	2024	Un/SW	Seine	July 2	0.1	0.0	4.8	1.1	1.7	4	0	376	84	134
Kodiak	2024	Un/SW	Seine	July 3	6.6	0.0	19.4	7.3	6.8	221	0	649	243	226
Kodiak	2024	Un/SW	Gillnet	June 1	0.0	0.0	1.1	0.2	0.4	3	0	463	93	165
Kodiak	2024	Un/SW	Gillnet	June 2	0.0	0.0	1.0	0.2	0.4	0	0	372	56	160
Kodiak	2024	Un/SW	Gillnet	June 3	0.3	0.0	1.8	0.5	0.6	76	7	464	134	160
Kodiak	2024	Un/SW	Gillnet	June 4	0.3	0.0	3.2	0.8	1.1	11	0	119	30	41
Kodiak	2024	Un/SW	Gillnet	July 1	9.3	0.7	23.1	9.9	7.2	26	2	64	28	20

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Kodiak	2024	Un/SW	Gillnet	July 2	0.4	0.0	6.5	1.7	2.4	4	0	68	18	25
Kodiak	2024	Un/SW	Gillnet	July 3	0.5	0.0	10.6	2.7	3.7	41	0	848	220	294

Appendix G10.–Cook Inlet, all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Cook Inlet	2022	SE/SC	Seine	June 1	0.0	0.0	0.1	0.0	0.1	0	0	23	4	12
Cook Inlet	2022	SE/SC	Seine	June 2	0.2	0.0	0.8	0.3	0.3	85	8	337	119	116
Cook Inlet	2022	SE/SC	Seine	June 3	0.0	0.0	0.1	0.0	0.1	0	0	47	8	28
Cook Inlet	2022	SE/SC	Seine	June 4	0.0	0.0	0.1	0.0	0.1	0	0	75	14	57
Cook Inlet	2022	SE/SC	Seine	July 1	1.3	0.5	2.5	1.4	0.6	425	173	820	454	199
Cook Inlet	2022	SE/SC	Seine	July 2	1.0	0.4	2.2	1.2	0.6	380	150	817	424	213
Cook Inlet	2022	SE/SC	Seine	July 3	4.2	2.7	6.2	4.3	1.1	2,364	1,511	3,520	2,417	613
Cook Inlet	2022	SE/SC	Seine	August 1	0.0	0.0	0.1	0.0	0.1	0	0	46	8	24
Cook Inlet	2022	SE/SC	Seine	August 2	0.3	0.0	1.2	0.4	0.4	29	2	117	41	39
Cook Inlet	2022	SE/SC	Gillnet	June Gillnet	0.2	0.0	0.9	0.3	0.3	24	2	96	33	31
Cook Inlet	2022	SE/SC	Gillnet	July 1	2.9	1.6	4.8	3.0	1.0	120	67	196	124	40
Cook Inlet	2022	SE/SC	Gillnet	July 2	7.4	5.4	9.8	7.5	1.4	360	262	473	362	67
Cook Inlet	2022	SE/SC	Gillnet	July 3	11.6	8.7	14.8	11.7	1.9	602	452	770	605	96
Cook Inlet	2022	SE/SC	Gillnet	August Gillnet	0.0	0.0	0.1	0.0	0.1	0	0	10	2	5
Cook Inlet	2022	Un/SW	Seine	June 1	0.5	0.1	1.4	0.6	0.4	119	27	341	143	99
Cook Inlet	2022	Un/SW	Seine	June 2	0.0	0.0	0.2	0.0	0.1	0	0	186	28	90
Cook Inlet	2022	Un/SW	Seine	June 3	0.0	0.0	0.1	0.0	0.1	0	0	149	26	89
Cook Inlet	2022	Un/SW	Seine	June 4	0.0	0.0	0.2	0.0	0.1	0	0	93	15	53
Cook Inlet	2022	Un/SW	Seine	July 1	0.1	0.0	1.0	0.2	0.4	20	0	314	73	114
Cook Inlet	2022	Un/SW	Seine	July 2	0.0	0.0	0.2	0.0	0.1	0	0	20	3	12
Cook Inlet	2022	Un/SW	Seine	August 1	0.0	0.0	0.2	0.0	0.1	0	0	44	8	28
Cook Inlet	2022	Un/SW	Seine	August 2	0.9	0.3	2.1	1.0	0.6	88	28	209	99	56
Cook Inlet	2022	Un/SW	Gillnet	June 1	0.0	0.0	0.1	0.0	0.1	0	0	14	2	8
Cook Inlet	2022	Un/SW	Gillnet	June 2	0.0	0.0	0.1	0.0	0.1	0	0	21	4	13
Cook Inlet	2022	Un/SW	Gillnet	June 3	0.2	0.0	0.9	0.3	0.3	37	3	149	52	51
Cook Inlet	2022	Un/SW	Gillnet	June 4	0.0	0.0	0.2	0.0	0.1	0	0	3	0	2

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Cook Inlet	2022	Un/SW	Gillnet	July 1	3.9	2.1	6.2	4.0	1.3	79	43	126	81	26
Cook Inlet	2022	Un/SW	Gillnet	July 2	0.5	0.1	1.5	0.6	0.4	20	5	57	24	17
Cook Inlet	2023	SE/SC	Seine	June 1	0.0	0.0	0.1	0.0	0.1	0	0	7	1	5
Cook Inlet	2023	SE/SC	Seine	June 2	0.0	0.0	0.1	0.0	0.1	0	0	21	4	16
Cook Inlet	2023	SE/SC	Seine	June 3	0.2	0.0	0.9	0.3	0.3	64	5	289	94	95
Cook Inlet	2023	SE/SC	Seine	June 4	0.0	0.0	0.1	0.0	0.1	0	0	37	8	29
Cook Inlet	2023	SE/SC	Seine	July 1	0.8	0.3	1.8	0.9	0.5	449	148	1,015	499	276
Cook Inlet	2023	SE/SC	Seine	July 2	1.3	0.6	2.6	1.4	0.6	1,757	767	3,468	1,899	841
Cook Inlet	2023	SE/SC	Seine	July 3	0.0	0.0	0.2	0.0	0.1	0	0	63	11	39
Cook Inlet	2023	SE/SC	Seine	August 1	1.2	0.4	2.4	1.3	0.6	1,466	565	3,046	1,605	785
Cook Inlet	2023	SE/SC	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	205	36	123
Cook Inlet	2023	SE/SC	Gillnet	June Gillnet	0.2	0.0	0.9	0.3	0.3	20	2	89	28	28
Cook Inlet	2023	SE/SC	Gillnet	July 1	1.4	0.6	2.7	1.5	0.7	96	41	184	102	45
Cook Inlet	2023	SE/SC	Gillnet	July 2	1.6	0.7	2.9	1.6	0.7	131	62	242	139	56
Cook Inlet	2023	SE/SC	Gillnet	July 3	2.0	0.8	3.7	2.1	0.9	57	24	110	61	26
Cook Inlet	2023	SE/SC	Gillnet	August 1	5.3	3.6	7.6	5.4	1.2	616	411	877	627	141
Cook Inlet	2023	Un/SW	Seine	June 1	0.0	0.0	0.1	0.0	0.1	0	0	8	1	5
Cook Inlet	2023	Un/SW	Seine	June 2	0.0	0.0	0.3	0.0	0.1	0	0	105	16	50
Cook Inlet	2023	Un/SW	Seine	June 3	0.0	0.0	0.1	0.0	0.1	0	0	33	6	19
Cook Inlet	2023	Un/SW	Seine	June 4	0.0	0.0	0.1	0.0	0.1	0	0	5	1	3
Cook Inlet	2023	Un/SW	Seine	July 1	0.2	0.0	0.9	0.3	0.3	166	14	681	235	231
Cook Inlet	2023	Un/SW	Seine	July 2	0.8	0.2	1.8	0.9	0.5	304	90	700	342	196
Cook Inlet	2023	Un/SW	Seine	July 3	0.0	0.0	0.1	0.0	0.1	0	0	21	4	13
Cook Inlet	2023	Un/SW	Seine	August 1	0.0	0.0	0.1	0.0	0.1	0	0	163	29	100
Cook Inlet	2023	Un/SW	Seine	August 2	0.5	0.1	1.4	0.6	0.4	614	139	1,791	733	515
Cook Inlet	2023	Un/SW	Gillnet	June 1	0.0	0.0	0.1	0.0	0.1	0	0	6	1	5
Cook Inlet	2023	Un/SW	Gillnet	June 2	0.0	0.0	0.1	0.0	0.1	0	0	23	4	15
Cook Inlet	2023	Un/SW	Gillnet	June 3	0.0	0.0	0.1	0.0	0.1	0	0	4	1	2

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Cook Inlet	2023	Un/SW	Gillnet	June 4	0.2	0.0	0.9	0.3	0.3	5	0	22	7	7
Cook Inlet	2023	Un/SW	Gillnet	July 1	0.8	0.1	3.2	1.1	1.0	27	2	107	37	35
Cook Inlet	2023	Un/SW	Gillnet	July 2	0.8	0.2	1.8	0.9	0.5	49	16	111	54	30
Cook Inlet	2023	Un/SW	Gillnet	July 3	0.1	0.0	1.4	0.3	0.5	4	0	58	14	21
Cook Inlet	2023	Un/SW	Gillnet	August 1	0.8	0.2	1.9	0.9	0.5	49	15	113	55	31
Cook Inlet	2024	SE/SC	Seine	June 1	0.0	0.0	0.1	0.0	0.1	0	0	13	2	7
Cook Inlet	2024	SE/SC	Seine	June 2	0.2	0.0	0.8	0.3	0.3	58	5	233	81	78
Cook Inlet	2024	SE/SC	Seine	June 3	0.0	0.0	0.1	0.0	0.1	0	0	45	7	23
Cook Inlet	2024	SE/SC	Seine	June 4	0.0	0.0	0.1	0.0	0.1	0	0	79	14	54
Cook Inlet	2024	SE/SC	Seine	July 1	2.9	1.7	4.5	3.0	0.9	907	528	1,412	928	268
Cook Inlet	2024	SE/SC	Seine	July 2	2.1	1.1	3.6	2.2	0.8	288	147	495	302	108
Cook Inlet	2024	SE/SC	Seine	July 3	2.9	1.7	4.5	2.9	0.9	1,422	833	2,217	1,454	422
Cook Inlet	2024	SE/SC	Gillnet	June Gillnet	0.0	0.0	0.1	0.0	0.1	0	0	11	2	6
Cook Inlet	2024	SE/SC	Gillnet	July 1	8.4	6.3	10.9	8.5	1.4	143	108	185	145	24
Cook Inlet	2024	SE/SC	Gillnet	July 2	7.5	5.5	10.0	7.6	1.4	98	71	129	98	18
Cook Inlet	2024	SE/SC	Gillnet	July 3	0.7	0.2	1.7	0.8	0.5	20	6	46	22	13
Cook Inlet	2024	Un/SW	Seine	June 1	0.0	0.0	0.1	0.0	0.1	0	0	14	3	9
Cook Inlet	2024	Un/SW	Seine	June 2	0.0	0.0	0.1	0.0	0.1	0	0	22	4	13
Cook Inlet	2024	Un/SW	Seine	June 3	0.0	0.0	0.1	0.0	0.1	0	0	112	18	57
Cook Inlet	2024	Un/SW	Seine	June 4	0.0	0.0	0.1	0.0	0.1	0	0	88	16	68
Cook Inlet	2024	Un/SW	Seine	July 1	0.2	0.0	0.8	0.3	0.3	9	1	37	13	12
Cook Inlet	2024	Un/SW	Seine	July 2	0.5	0.1	1.3	0.6	0.4	40	9	104	46	31
Cook Inlet	2024	Un/SW	Seine	July 3	0.0	0.0	0.6	0.1	0.4	0	0	20	4	13
Cook Inlet	2024	Un/SW	Gillnet	June 1	0.0	0.0	0.1	0.0	0.1	0	0	44	9	35
Cook Inlet	2024	Un/SW	Gillnet	June 2	0.0	0.0	0.1	0.0	0.1	0	0	45	7	25
Cook Inlet	2024	Un/SW	Gillnet	June 3	0.0	0.0	0.1	0.0	0.1	0	0	31	5	19
Cook Inlet	2024	Un/SW	Gillnet	June 4	0.0	0.0	0.1	0.0	0.1	0	0	4	1	3
Cook Inlet	2024	Un/SW	Gillnet	July 1	0.5	0.1	2.3	0.8	0.8	2	0	6	2	2

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
Cook Inlet	2024	Un/SW	Gillnet	July 2	0.0	0.0	0.7	0.1	0.3	0	0	7	1	3
Cook Inlet	2024	Un/SW	Gillnet	July 3	0.5	0.1	1.4	0.6	0.4	41	7	113	48	34

Appendix G11.–Prince William Sound (PWS), all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types, and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
PWS	2022	SE/SC	Seine	June 1	5.5	3.6	8.0	5.6	1.3	900	589	1,309	914	220
PWS	2022	SE/SC	Seine	June 2	7.4	4.9	10.4	7.5	1.7	3,043	2,019	4,293	3,082	695
PWS	2022	SE/SC	Seine	June 3	4.2	2.5	6.2	4.3	1.1	1,436	873	2,139	1,462	384
PWS	2022	SE/SC	Seine	June 4	2.3	0.9	4.2	2.4	1.0	1,698	693	3,178	1,791	759
PWS	2022	SE/SC	Seine	July 1	0.9	0.0	3.0	1.1	1.0	309	0	968	368	331
PWS	2022	SE/SC	Seine	July 2	6.2	3.7	9.3	6.3	1.7	2,266	1,355	3,406	2,310	628
PWS	2022	SE/SC	Seine	July 3	4.0	2.0	6.5	4.1	1.4	2,264	1,111	3,661	2,311	781
PWS	2022	SE/SC	Seine	August 1	0.0	0.0	0.7	0.1	0.3	0	0	258	40	113
PWS	2022	SE/SC	Seine	August 2	5.2	2.6	8.5	5.3	1.8	505	257	832	521	174
PWS	2022	SE/SC	Gillnet	June Gillnet	28.7	24.4	33.2	28.8	2.7	3,082	2,622	3,564	3,087	293
PWS	2022	SE/SC	Gillnet	July 1	11.4	7.9	15.8	11.6	2.4	468	324	645	474	97
PWS	2022	SE/SC	Gillnet	July 2	8.5	5.2	12.2	8.6	2.2	412	249	588	416	104
PWS	2022	SE/SC	Gillnet	July 3	11.6	7.6	15.9	11.6	2.5	601	394	824	602	130
PWS	2022	SE/SC	Gillnet	August Gillnet	2.1	0.9	4.0	2.2	1.0	147	63	283	157	67
PWS	2022	Un/SW	Seine	June 1	8.8	6.1	12.0	8.9	1.8	2,125	1,484	2,910	2,150	433
PWS	2022	Un/SW	Seine	June 2	0.8	0.1	2.2	0.9	0.6	1,011	162	2,703	1,157	796
PWS	2022	Un/SW	Seine	June 3	3.5	2.0	5.6	3.6	1.1	4,226	2,382	6,790	4,361	1,336
PWS	2022	Un/SW	Seine	June 4	4.4	2.5	7.0	4.6	1.4	2,388	1,374	3,792	2,459	744
PWS	2022	Un/SW	Seine	July 1	2.7	1.0	5.4	2.9	1.4	810	296	1,626	865	416
PWS	2022	Un/SW	Seine	July 2	5.6	2.8	9.2	5.7	2.0	711	352	1,164	725	250
PWS	2022	Un/SW	Seine	August 1	0.0	0.0	1.1	0.2	0.5	0	0	206	33	92
PWS	2022	Un/SW	Seine	August 2	0.3	0.0	1.4	0.4	0.5	27	0	143	43	49
PWS	2022	Un/SW	Gillnet	June 1	3.9	1.9	6.5	4.0	1.4	417	201	705	431	154
PWS	2022	Un/SW	Gillnet	June 2	5.7	3.6	8.3	5.8	1.4	896	560	1,297	913	219
PWS	2022	Un/SW	Gillnet	June 3	4.4	2.5	6.7	4.5	1.3	715	412	1,091	730	210
PWS	2022	Un/SW	Gillnet	June 4	16.6	12.2	21.7	16.7	2.9	247	181	323	248	43

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
PWS	2022	Un/SW	Gillnet	July 1	14.2	9.6	19.8	14.4	3.1	288	194	400	291	62
PWS	2022	Un/SW	Gillnet	July 2	3.9	1.7	6.5	4.0	1.5	147	65	249	151	57
PWS	2023	SE/SC	Seine	June 1	9.0	6.6	11.8	9.0	1.6	567	417	745	572	99
PWS	2023	SE/SC	Seine	June 2	5.0	3.2	7.4	5.1	1.3	903	580	1,327	914	228
PWS	2023	SE/SC	Seine	June 3	3.6	2.1	5.8	3.7	1.1	1,156	662	1,854	1,194	367
PWS	2023	SE/SC	Seine	June 4	12.6	9.4	16.3	12.7	2.1	4,610	3,425	5,975	4,648	779
PWS	2023	SE/SC	Seine	July 1	5.6	2.7	8.6	5.6	1.8	3,130	1,524	4,751	3,129	988
PWS	2023	SE/SC	Seine	July 2	4.9	2.2	8.1	5.0	1.8	6,502	2,887	10,862	6,628	2,455
PWS	2023	SE/SC	Seine	July 3	0.2	0.0	2.5	0.6	0.9	54	0	875	213	311
PWS	2023	SE/SC	Seine	August 1	4.6	1.2	8.3	4.7	2.1	5,852	1,466	10,475	5,877	2,666
PWS	2023	SE/SC	Seine	August 2	0.0	0.0	1.3	0.2	0.5	1	0	1,736	285	707
PWS	2023	SE/SC	Gillnet	June Gillnet	33.1	28.5	38.0	33.2	2.9	3,360	2,895	3,852	3,369	295
PWS	2023	SE/SC	Gillnet	July 1	5.9	3.3	9.0	6.0	1.7	403	227	619	410	120
PWS	2023	SE/SC	Gillnet	July 2	1.8	0.0	4.5	1.9	1.5	150	0	383	162	125
PWS	2023	SE/SC	Gillnet	July 3	0.0	0.0	1.6	0.2	0.6	0	0	46	7	18
PWS	2023	SE/SC	Gillnet	August 1	4.0	1.8	7.1	4.1	1.7	456	203	821	476	191
PWS	2023	Un/SW	Seine	June 1	4.9	3.0	7.2	5.0	1.3	313	193	460	318	82
PWS	2023	Un/SW	Seine	June 2	3.6	2.1	5.4	3.6	1.0	1,390	816	2,125	1,425	406
PWS	2023	Un/SW	Seine	June 3	7.4	5.1	10.5	7.5	1.6	1,678	1,146	2,370	1,707	359
PWS	2023	Un/SW	Seine	June 4	6.7	4.4	9.4	6.8	1.5	287	188	402	290	63
PWS	2023	Un/SW	Seine	July 1	0.3	0.0	1.9	0.6	0.7	253	0	1,433	420	493
PWS	2023	Un/SW	Seine	July 2	4.2	2.1	6.8	4.3	1.5	1,684	823	2,710	1,711	579
PWS	2023	Un/SW	Seine	July 3	1.7	0.0	3.9	1.7	1.2	246	0	579	259	174
PWS	2023	Un/SW	Seine	August 1	0.0	0.0	0.9	0.2	0.3	12	0	1,109	229	434
PWS	2023	Un/SW	Seine	August 2	0.4	0.0	2.4	0.7	0.9	513	0	3,097	931	1,155
PWS	2023	Un/SW	Gillnet	June 1	36.0	31.5	40.5	36.1	2.8	1,842	1,611	2,074	1,845	141
PWS	2023	Un/SW	Gillnet	June 2	13.6	10.6	17.3	13.7	2.0	2,678	2,094	3,400	2,699	401
PWS	2023	Un/SW	Gillnet	June 3	19.0	15.1	23.2	19.0	2.5	604	481	740	606	79

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
PWS	2023	Un/SW	Gillnet	June 4	19.8	16.3	23.4	19.8	2.2	493	405	583	493	54
PWS	2023	Un/SW	Gillnet	July 1	4.8	0.0	10.9	5.0	3.3	162	0	369	169	111
PWS	2023	Un/SW	Gillnet	July 2	4.1	2.0	6.8	4.2	1.5	256	128	431	264	93
PWS	2023	Un/SW	Gillnet	July 3	0.0	0.0	1.0	0.2	0.4	0	0	41	7	18
PWS	2023	Un/SW	Gillnet	August 1	6.3	3.4	9.8	6.4	1.9	380	207	585	383	115
PWS	2024	SE/SC	Seine	June 1	3.7	2.1	5.7	3.8	1.1	364	203	562	370	110
PWS	2024	SE/SC	Seine	June 2	0.4	0.0	1.5	0.5	0.5	111	0	412	146	139
PWS	2024	SE/SC	Seine	June 3	0.0	0.0	0.9	0.2	0.3	1	0	347	67	129
PWS	2024	SE/SC	Seine	June 4	0.0	0.0	1.0	0.2	0.4	2	0	597	120	223
PWS	2024	SE/SC	Seine	July 1	2.0	0.1	4.3	2.1	1.2	636	45	1,339	666	371
PWS	2024	SE/SC	Seine	July 2	3.4	1.6	5.8	3.5	1.3	462	218	784	477	171
PWS	2024	SE/SC	Seine	July 3	2.1	0.0	4.9	2.2	1.5	1,037	0	2,427	1,068	743
PWS	2024	SE/SC	Gillnet	June Gillnet	6.2	3.9	8.8	6.3	1.5	478	303	678	482	113
PWS	2024	SE/SC	Gillnet	July 1	7.0	4.2	10.2	7.1	1.8	119	72	173	120	31
PWS	2024	SE/SC	Gillnet	July 2	4.5	2.4	7.1	4.6	1.4	59	31	92	60	19
PWS	2024	SE/SC	Gillnet	July 3	0.0	0.0	0.8	0.1	0.4	0	0	21	4	10
PWS	2024	Un/SW	Seine	June 1	0.7	0.0	2.0	0.8	0.6	90	0	264	104	86
PWS	2024	Un/SW	Seine	June 2	1.4	0.4	2.9	1.5	0.8	286	81	600	305	159
PWS	2024	Un/SW	Seine	June 3	0.0	0.0	0.2	0.0	0.1	0	0	166	27	92
PWS	2024	Un/SW	Seine	June 4	0.0	0.0	0.1	0.0	0.1	0	0	93	16	57
PWS	2024	Un/SW	Seine	July 1	0.6	0.0	2.0	0.8	0.7	28	0	88	33	29
PWS	2024	Un/SW	Seine	July 2	0.1	0.0	1.8	0.4	0.6	6	0	141	34	50
PWS	2024	Un/SW	Seine	July 3	0.0	0.0	1.0	0.2	0.5	0	0	34	6	17
PWS	2024	Un/SW	Gillnet	June 1	1.5	0.5	2.9	1.5	0.7	614	213	1,206	648	309
PWS	2024	Un/SW	Gillnet	June 2	1.6	0.6	3.2	1.7	0.8	578	220	1,158	623	292
PWS	2024	Un/SW	Gillnet	June 3	0.3	0.0	1.6	0.5	0.6	86	0	410	127	144
PWS	2024	Un/SW	Gillnet	June 4	2.2	0.9	4.1	2.3	1.0	80	32	151	85	37
PWS	2024	Un/SW	Gillnet	July 1	0.0	0.0	1.4	0.2	0.6	0	0	4	1	2

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
PWS	2024	Un/SW	Gillnet	July 2	1.6	0.0	4.6	1.8	1.5	17	0	48	18	16
PWS	2024	Un/SW	Gillnet	July 3	0.0	0.0	0.9	0.1	0.4	0	0	71	11	31

Appendix G12.–Southeast Alaska (SEAK), all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
SEAK	2022	SE/SC	Seine	June 1	1.6	0.2	3.4	1.7	1.0	255	41	566	271	158
SEAK	2022	SE/SC	Seine	June 2	0.9	0.2	2.6	1.1	0.8	373	63	1,062	441	314
SEAK	2022	SE/SC	Seine	June 3	0.0	0.0	0.2	0.0	0.1	0	0	52	9	33
SEAK	2022	SE/SC	Seine	June 4	1.0	0.1	2.9	1.2	0.9	757	85	2,204	903	679
SEAK	2022	SE/SC	Seine	July 1	0.0	0.0	0.4	0.1	0.2	0	0	127	21	68
SEAK	2022	SE/SC	Seine	July 2	1.2	0.0	3.0	1.4	0.9	456	15	1,106	504	334
SEAK	2022	SE/SC	Seine	July 3	0.0	0.0	3.8	0.7	1.3	15	0	2,172	419	752
SEAK	2022	SE/SC	Seine	August 1	0.0	0.0	1.0	0.2	0.4	0	0	343	59	142
SEAK	2022	SE/SC	Seine	August 2	0.4	0.0	2.3	0.7	0.8	41	0	227	68	80
SEAK	2022	SE/SC	Gillnet	June Gillnet	1.3	0.4	3.2	1.5	0.9	141	43	344	160	94
SEAK	2022	SE/SC	Gillnet	July 1	0.0	0.0	0.7	0.1	0.3	0	0	27	4	13
SEAK	2022	SE/SC	Gillnet	July 2	0.0	0.0	1.8	0.3	0.7	0	0	89	15	33
SEAK	2022	SE/SC	Gillnet	July 3	0.0	0.0	0.9	0.2	0.4	0	0	49	8	20
SEAK	2022	SE/SC	Gillnet	August Gillnet	0.0	0.0	0.2	0.0	0.1	0	0	16	3	8
SEAK	2022	Un/SW	Seine	June 1	2.8	1.3	4.9	2.9	1.1	678	308	1,195	707	274
SEAK	2022	Un/SW	Seine	June 2	2.6	1.1	4.5	2.7	1.1	3,247	1,390	5,587	3,345	1,304
SEAK	2022	Un/SW	Seine	June 3	0.2	0.0	1.3	0.4	0.5	287	0	1,617	477	572
SEAK	2022	Un/SW	Seine	June 4	3.9	2.2	6.3	4.0	1.3	2,124	1,173	3,384	2,187	684
SEAK	2022	Un/SW	Seine	July 1	0.2	0.0	1.4	0.4	0.5	53	0	424	113	154
SEAK	2022	Un/SW	Seine	July 2	0.8	0.0	3.4	1.1	1.1	104	6	432	145	139
SEAK	2022	Un/SW	Seine	August 1	0.0	0.0	0.5	0.1	0.3	0	0	98	17	60
SEAK	2022	Un/SW	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	19	3	11
SEAK	2022	Un/SW	Gillnet	June 1	3.4	1.5	5.7	3.5	1.3	369	165	616	376	138
SEAK	2022	Un/SW	Gillnet	June 2	3.5	1.8	5.9	3.6	1.2	548	277	923	570	194
SEAK	2022	Un/SW	Gillnet	June 3	2.5	1.2	4.4	2.6	1.0	415	198	709	428	158
SEAK	2022	Un/SW	Gillnet	June 4	0.3	0.0	2.9	0.8	1.0	5	0	43	11	15

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
SEAK	2022	Un/SW	Gillnet	July 1	0.0	0.0	1.1	0.2	0.5	0	0	22	3	9
SEAK	2022	Un/SW	Gillnet	July 2	0.0	0.0	2.7	0.6	1.0	1	0	103	21	36
SEAK	2023	SE/SC	Seine	June 1	1.2	0.4	2.6	1.3	0.7	75	23	165	83	45
SEAK	2023	SE/SC	Seine	June 2	1.6	0.6	3.0	1.7	0.8	288	111	545	302	136
SEAK	2023	SE/SC	Seine	June 3	0.0	0.0	1.1	0.2	0.4	3	0	359	75	132
SEAK	2023	SE/SC	Seine	June 4	3.5	1.6	6.1	3.6	1.4	1,284	594	2,245	1,331	516
SEAK	2023	SE/SC	Seine	July 1	0.4	0.0	3.2	0.9	1.2	221	0	1,783	501	639
SEAK	2023	SE/SC	Seine	July 2	2.6	1.3	4.6	2.7	1.0	3,434	1,673	6,092	3,618	1,332
SEAK	2023	SE/SC	Seine	July 3	0.0	0.0	1.8	0.3	0.6	0	0	605	93	221
SEAK	2023	SE/SC	Seine	August 1	1.0	0.0	3.4	1.2	1.2	1,245	0	4,223	1,484	1,481
SEAK	2023	SE/SC	Seine	August 2	0.0	0.0	0.5	0.1	0.2	0	0	612	97	314
SEAK	2023	SE/SC	Gillnet	June Gillnet	2.9	1.2	5.3	3.0	1.3	293	120	535	307	129
SEAK	2023	SE/SC	Gillnet	July 1	0.8	0.0	3.0	1.0	1.0	54	0	207	70	66
SEAK	2023	SE/SC	Gillnet	July 2	0.0	0.0	0.9	0.2	0.4	0	0	78	13	31
SEAK	2023	SE/SC	Gillnet	July 3	0.0	0.0	1.3	0.2	0.6	0	0	39	6	16
SEAK	2023	SE/SC	Gillnet	August 1	0.0	0.0	0.4	0.1	0.2	0	0	51	8	27
SEAK	2023	Un/SW	Seine	June 1	2.3	1.1	4.1	2.4	0.9	148	69	258	153	57
SEAK	2023	Un/SW	Seine	June 2	0.1	0.0	1.0	0.2	0.4	21	0	401	91	143
SEAK	2023	Un/SW	Seine	June 3	3.0	1.5	5.2	3.2	1.2	686	347	1,188	713	260
SEAK	2023	Un/SW	Seine	June 4	2.2	0.9	4.1	2.3	1.0	95	40	175	100	41
SEAK	2023	Un/SW	Seine	July 1	1.3	0.4	2.9	1.4	0.8	964	279	2,151	1,056	584
SEAK	2023	Un/SW	Seine	July 2	2.5	1.1	4.4	2.6	1.0	975	457	1,744	1,022	389
SEAK	2023	Un/SW	Seine	July 3	0.0	0.0	0.9	0.2	0.3	0	0	130	23	51
SEAK	2023	Un/SW	Seine	August 1	0.0	0.0	0.2	0.0	0.1	0	0	266	44	131
SEAK	2023	Un/SW	Seine	August 2	0.0	0.0	1.0	0.2	0.4	0	0	1,258	203	519
SEAK	2023	Un/SW	Gillnet	June 1	7.3	4.8	10.3	7.4	1.7	373	246	527	378	86
SEAK	2023	Un/SW	Gillnet	June 2	12.1	9.2	15.4	12.2	1.9	2,388	1,809	3,026	2,402	379
SEAK	2023	Un/SW	Gillnet	June 3	4.6	2.5	7.2	4.7	1.4	147	81	229	150	45

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
SEAK	2023	Un/SW	Gillnet	June 4	1.1	0.3	2.6	1.3	0.7	28	7	65	31	18
SEAK	2023	Un/SW	Gillnet	July 1	0.0	0.0	1.5	0.2	0.7	0	0	51	8	24
SEAK	2023	Un/SW	Gillnet	July 2	2.3	0.9	4.4	2.4	1.1	143	54	274	151	67
SEAK	2023	Un/SW	Gillnet	July 3	0.0	0.0	0.6	0.1	0.3	0	0	24	4	12
SEAK	2023	Un/SW	Gillnet	August 1	0.0	0.0	1.5	0.3	0.6	0	0	91	15	34
SEAK	2024	SE/SC	Seine	June 1	0.5	0.0	1.5	0.6	0.5	48	5	150	58	46
SEAK	2024	SE/SC	Seine	June 2	1.0	0.4	2.3	1.1	0.6	284	100	637	317	167
SEAK	2024	SE/SC	Seine	June 3	1.9	0.8	3.6	2.0	0.8	733	303	1,343	765	319
SEAK	2024	SE/SC	Seine	June 4	1.3	0.4	2.8	1.4	0.7	793	237	1,657	848	436
SEAK	2024	SE/SC	Seine	July 1	2.8	1.4	4.7	2.9	1.0	871	424	1,472	894	322
SEAK	2024	SE/SC	Seine	July 2	0.6	0.0	2.2	0.7	0.8	75	0	303	99	105
SEAK	2024	SE/SC	Seine	July 3	0.0	0.0	0.4	0.1	0.2	0	0	198	30	93
SEAK	2024	SE/SC	Gillnet	June Gillnet	2.4	1.1	4.2	2.5	1.0	182	85	327	191	76
SEAK	2024	SE/SC	Gillnet	July 1	2.6	1.1	4.6	2.7	1.1	44	18	79	46	19
SEAK	2024	SE/SC	Gillnet	July 2	2.9	1.4	4.8	3.0	1.1	37	18	63	38	14
SEAK	2024	SE/SC	Gillnet	July 3	0.0	0.0	0.3	0.1	0.2	0	0	8	1	5
SEAK	2024	Un/SW	Seine	June 1	0.0	0.0	0.9	0.2	0.3	1	0	115	23	43
SEAK	2024	Un/SW	Seine	June 2	1.4	0.5	2.9	1.5	0.8	290	96	596	314	157
SEAK	2024	Un/SW	Seine	June 3	0.7	0.2	1.7	0.8	0.5	663	153	1,647	754	480
SEAK	2024	Un/SW	Seine	June 4	0.7	0.2	1.7	0.8	0.5	501	149	1,220	576	342
SEAK	2024	Un/SW	Seine	July 1	2.6	1.1	4.6	2.7	1.1	114	48	202	118	47
SEAK	2024	Un/SW	Seine	July 2	3.9	2.1	6.2	4.0	1.3	306	166	486	313	98
SEAK	2024	Un/SW	Seine	July 3	0.0	0.0	1.3	0.2	0.8	0	0	43	7	28
SEAK	2024	Un/SW	Gillnet	June 1	0.0	0.0	0.9	0.2	0.3	4	0	376	79	145
SEAK	2024	Un/SW	Gillnet	June 2	1.5	0.6	3.1	1.6	0.8	550	203	1,106	585	279
SEAK	2024	Un/SW	Gillnet	June 3	1.8	0.8	3.4	1.9	0.8	465	210	870	493	207
SEAK	2024	Un/SW	Gillnet	June 4	2.1	0.9	3.9	2.2	0.9	77	32	143	81	35
SEAK	2024	Un/SW	Gillnet	July 1	0.0	0.0	0.8	0.1	0.4	0	0	2	0	1

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
SEAK	2024	Un/SW	Gillnet	July 2	1.3	0.0	4.2	1.6	1.4	14	0	43	16	14
SEAK	2024	Un/SW	Gillnet	July 3	7.6	5.0	10.8	7.8	1.8	610	401	863	620	144

Appendix G13.–British Columbia/Washington (BC/WA), all strata. Reporting group-specific stock composition and harvest estimates among years, areas (SE/SC = Southeast and South Central Districts, Un/SW = Unimak and Southwestern Districts), gear types and strata. Median, 90% credibility intervals (CI), means, and SD are reported.

					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
BC/WA	2022	SE/SC	Seine	June 1	9.5	7.2	12.3	9.6	1.5	1,558	1,178	2,013	1,569	252
BC/WA	2022	SE/SC	Seine	June 2	6.9	5.0	9.1	6.9	1.3	2,841	2,050	3,763	2,866	532
BC/WA	2022	SE/SC	Seine	June 3	17.0	14.0	20.5	17.1	2.0	5,822	4,794	7,028	5,855	685
BC/WA	2022	SE/SC	Seine	June 4	15.4	12.4	18.5	15.4	1.9	11,590	9,337	13,920	11,603	1,403
BC/WA	2022	SE/SC	Seine	July 1	27.5	23.9	31.4	27.6	2.3	8,995	7,813	10,264	9,015	742
BC/WA	2022	SE/SC	Seine	July 2	40.6	36.1	45.0	40.5	2.7	14,886	13,238	16,500	14,867	977
BC/WA	2022	SE/SC	Seine	July 3	31.3	26.7	35.8	31.3	2.8	17,761	15,135	20,310	17,748	1,583
BC/WA	2022	SE/SC	Seine	August 1	3.0	1.7	4.8	3.0	1.0	1,060	598	1,706	1,087	340
BC/WA	2022	SE/SC	Seine	August 2	1.5	0.4	3.4	1.6	0.9	144	44	330	159	89
BC/WA	2022	SE/SC	Gillnet	June Gillnet	1.9	0.9	3.3	2.0	0.8	205	96	357	213	82
BC/WA	2022	SE/SC	Gillnet	July 1	1.8	0.8	3.1	1.8	0.7	72	33	128	75	30
BC/WA	2022	SE/SC	Gillnet	July 2	1.3	0.5	2.5	1.4	0.6	64	27	122	68	30
BC/WA	2022	SE/SC	Gillnet	July 3	3.2	1.9	5.1	3.3	1.0	167	98	264	171	51
BC/WA	2022	SE/SC	Gillnet	August Gillnet	0.3	0.0	1.1	0.4	0.3	19	2	75	26	24
BC/WA	2022	Un/SW	Seine	June 1	5.7	3.9	7.9	5.8	1.2	1,378	957	1,912	1,398	295
BC/WA	2022	Un/SW	Seine	June 2	5.9	4.0	8.4	6.0	1.4	7,220	4,943	10,381	7,387	1,689
BC/WA	2022	Un/SW	Seine	June 3	4.4	2.7	6.6	4.5	1.2	5,278	3,245	7,984	5,443	1,419
BC/WA	2022	Un/SW	Seine	June 4	4.1	2.5	5.9	4.2	1.1	2,217	1,370	3,207	2,248	576
BC/WA	2022	Un/SW	Seine	July 1	18.7	14.8	23.1	18.8	2.5	5,603	4,430	6,939	5,627	759
BC/WA	2022	Un/SW	Seine	July 2	10.1	7.5	13.1	10.2	1.7	1,280	958	1,669	1,293	217
BC/WA	2022	Un/SW	Seine	August 1	0.4	0.0	1.7	0.6	0.6	79	7	310	109	105
BC/WA	2022	Un/SW	Seine	August 2	0.0	0.0	0.2	0.0	0.1	0	0	16	3	10
BC/WA	2022	Un/SW	Gillnet	June 1	4.0	2.5	5.8	4.1	1.1	428	266	631	438	113
BC/WA	2022	Un/SW	Gillnet	June 2	2.3	1.2	4.0	2.4	0.9	357	196	631	380	137
BC/WA	2022	Un/SW	Gillnet	June 3	3.5	2.1	5.4	3.6	1.0	565	339	880	581	165
BC/WA	2022	Un/SW	Gillnet	June 4	2.5	1.1	5.1	2.7	1.3	37	16	75	41	19

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
BC/WA	2022	Un/SW	Gillnet	July 1	1.7	0.6	3.6	1.8	0.9	34	13	72	37	18
BC/WA	2022	Un/SW	Gillnet	July 2	1.7	0.8	3.2	1.8	0.7	65	31	121	70	28
BC/WA	2023	SE/SC	Seine	June 1	5.0	3.3	7.2	5.1	1.2	320	210	458	323	74
BC/WA	2023	SE/SC	Seine	June 2	8.3	6.1	10.9	8.3	1.4	1,483	1,096	1,947	1,492	259
BC/WA	2023	SE/SC	Seine	June 3	5.3	3.6	7.5	5.4	1.2	1,712	1,163	2,404	1,736	373
BC/WA	2023	SE/SC	Seine	June 4	8.9	6.6	11.3	8.9	1.5	3,236	2,402	4,146	3,246	534
BC/WA	2023	SE/SC	Seine	July 1	1.8	0.9	3.2	1.9	0.7	1,016	492	1,793	1,068	405
BC/WA	2023	SE/SC	Seine	July 2	2.9	1.7	4.6	3.0	0.9	3,829	2,238	6,184	3,975	1,202
BC/WA	2023	SE/SC	Seine	July 3	2.4	1.0	4.5	2.5	1.1	821	335	1,545	863	376
BC/WA	2023	SE/SC	Seine	August 1	0.1	0.0	2.7	0.7	1.0	96	0	3,431	861	1,236
BC/WA	2023	SE/SC	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	190	34	121
BC/WA	2023	SE/SC	Gillnet	June Gillnet	0.0	0.0	0.2	0.0	0.1	0	0	23	4	15
BC/WA	2023	SE/SC	Gillnet	July 1	3.8	2.3	5.8	3.9	1.1	260	155	400	268	75
BC/WA	2023	SE/SC	Gillnet	July 2	0.0	0.0	0.7	0.2	0.3	3	0	58	13	22
BC/WA	2023	SE/SC	Gillnet	July 3	0.0	0.0	0.5	0.1	0.3	0	0	14	2	8
BC/WA	2023	SE/SC	Gillnet	August 1	0.2	0.0	0.9	0.3	0.3	24	2	103	35	35
BC/WA	2023	Un/SW	Seine	June 1	13.5	10.7	16.7	13.6	1.8	857	683	1,060	862	115
BC/WA	2023	Un/SW	Seine	June 2	8.8	6.6	11.3	8.9	1.5	3,445	2,575	4,421	3,463	570
BC/WA	2023	Un/SW	Seine	June 3	6.4	4.4	8.8	6.4	1.3	1,442	992	1,982	1,460	303
BC/WA	2023	Un/SW	Seine	June 4	12.4	9.7	15.4	12.4	1.8	532	415	662	535	76
BC/WA	2023	Un/SW	Seine	July 1	6.3	4.5	8.8	6.4	1.3	4,724	3,354	6,598	4,811	995
BC/WA	2023	Un/SW	Seine	July 2	7.5	5.5	10.0	7.6	1.4	2,999	2,175	3,998	3,035	557
BC/WA	2023	Un/SW	Seine	July 3	2.2	1.1	3.8	2.3	0.8	330	170	572	346	124
BC/WA	2023	Un/SW	Seine	August 1	0.0	0.0	0.2	0.0	0.1	0	0	256	45	145
BC/WA	2023	Un/SW	Seine	August 2	0.0	0.0	0.1	0.0	0.1	0	0	154	26	98
BC/WA	2023	Un/SW	Gillnet	June 1	5.9	4.0	8.2	6.0	1.3	304	202	422	307	66
BC/WA	2023	Un/SW	Gillnet	June 2	6.2	4.3	8.5	6.3	1.3	1,223	853	1,669	1,235	251
BC/WA	2023	Un/SW	Gillnet	June 3	4.7	3.0	7.1	4.8	1.3	151	94	225	153	40

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
BC/WA	2023	Un/SW	Gillnet	June 4	1.6	0.6	3.0	1.6	0.7	39	16	74	41	18
BC/WA	2023	Un/SW	Gillnet	July 1	7.5	4.0	12.2	7.7	2.5	253	136	415	262	86
BC/WA	2023	Un/SW	Gillnet	July 2	0.6	0.2	1.6	0.7	0.5	40	10	103	46	29
BC/WA	2023	Un/SW	Gillnet	July 3	0.1	0.0	1.4	0.4	0.5	6	0	60	15	21
BC/WA	2023	Un/SW	Gillnet	August 1	0.0	0.0	1.2	0.2	0.4	0	0	70	11	26
BC/WA	2024	SE/SC	Seine	June 1	28.1	24.3	31.9	28.1	2.3	2,767	2,390	3,147	2,765	227
BC/WA	2024	SE/SC	Seine	June 2	13.2	10.4	16.3	13.2	1.8	3,732	2,941	4,600	3,744	501
BC/WA	2024	SE/SC	Seine	June 3	18.1	14.7	21.6	18.1	2.1	6,808	5,551	8,130	6,830	781
BC/WA	2024	SE/SC	Seine	June 4	27.4	23.8	31.3	27.4	2.3	16,152	14,025	18,474	16,174	1,358
BC/WA	2024	SE/SC	Seine	July 1	16.1	13.2	19.5	16.2	1.9	5,000	4,093	6,061	5,029	599
BC/WA	2024	SE/SC	Seine	July 2	8.5	6.2	10.9	8.5	1.4	1,152	848	1,487	1,158	197
BC/WA	2024	SE/SC	Seine	July 3	6.8	4.8	9.1	6.8	1.3	3,360	2,392	4,505	3,383	650
BC/WA	2024	SE/SC	Gillnet	June Gillnet	7.4	5.3	9.8	7.4	1.4	568	412	757	571	105
BC/WA	2024	SE/SC	Gillnet	July 1	3.0	1.8	4.7	3.1	0.9	51	31	80	53	15
BC/WA	2024	SE/SC	Gillnet	July 2	2.1	1.1	3.5	2.2	0.8	27	14	46	28	10
BC/WA	2024	SE/SC	Gillnet	July 3	0.0	0.0	0.1	0.0	0.1	0	0	4	1	2
BC/WA	2024	Un/SW	Seine	June 1	25.6	22.2	29.5	25.7	2.2	3,384	2,938	3,895	3,394	294
BC/WA	2024	Un/SW	Seine	June 2	10.4	8.1	13.2	10.5	1.5	2,156	1,680	2,725	2,169	317
BC/WA	2024	Un/SW	Seine	June 3	12.2	9.6	15.1	12.2	1.7	11,599	9,144	14,344	11,659	1,578
BC/WA	2024	Un/SW	Seine	June 4	16.3	13.5	19.6	16.3	1.9	11,689	9,698	14,078	11,748	1,345
BC/WA	2024	Un/SW	Seine	July 1	18.1	14.9	21.8	18.1	2.1	796	655	960	800	93
BC/WA	2024	Un/SW	Seine	July 2	9.2	6.8	11.9	9.2	1.6	714	529	925	718	122
BC/WA	2024	Un/SW	Seine	July 3	2.3	0.5	6.0	2.7	1.8	78	16	202	90	61
BC/WA	2024	Un/SW	Gillnet	June 1	19.6	16.3	23.0	19.6	2.1	8,237	6,878	9,700	8,260	872
BC/WA	2024	Un/SW	Gillnet	June 2	14.5	11.6	17.8	14.6	1.9	5,216	4,169	6,382	5,240	669
BC/WA	2024	Un/SW	Gillnet	June 3	7.8	5.6	10.3	7.8	1.4	1,991	1,444	2,645	2,009	364
BC/WA	2024	Un/SW	Gillnet	June 4	11.0	8.4	13.8	11.0	1.7	405	309	511	406	61
BC/WA	2024	Un/SW	Gillnet	July 1	7.1	4.1	11.4	7.4	2.2	20	11	32	20	6

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					Proportions (%)					Harvest				
						90% CI					90% CI			
Reporting group	Year	Area	Gear	Stratum	Median	5%	95%	Mean	SD	Median	5%	95%	Mean	SD
BC/WA	2024	Un/SW	Gillnet	July 2	21.4	17.6	25.8	21.5	2.5	223	184	269	224	26
BC/WA	2024	Un/SW	Gillnet	July 3	13.4	10.4	16.7	13.5	1.9	1,072	833	1,332	1,078	151