

**Fishery Management Report No. 24-13**

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# **North Alaska Peninsula Commercial Salmon Annual Management Report, 2023**

by

**William S. Middleton**

and

**Charles W. Russell**

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July 2024

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Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



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Weights and measures (metric)		General		Mathematics, statistics	
centimeter	cm	Alaska Administrative Code		all standard mathematical signs, symbols and abbreviations	
deciliter	dL		AAC		
gram	g	all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.	alternate hypothesis	H <sub>A</sub>
hectare	ha			base of natural logarithm	e
kilogram	kg			catch per unit effort	CPUE
kilometer	km	all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.	coefficient of variation	CV
liter	L			common test statistics	(F, t, $\chi^2$ , etc.)
meter	m	at	@	confidence interval	CI
milliliter	mL	compass directions:		correlation coefficient (multiple)	R
millimeter	mm	east	E	correlation coefficient (simple)	r
<b>Weights and measures (English)</b>		north	N	covariance	cov
cubic feet per second	ft <sup>3</sup> /s	south	S	degree (angular)	°
foot	ft	west	W	degrees of freedom	df
gallon	gal	copyright	©	expected value	E
inch	in	corporate suffixes:		greater than	>
mile	mi	Company	Co.	greater than or equal to	≥
nautical mile	nmi	Corporation	Corp.	harvest per unit effort	HPUE
ounce	oz	Incorporated	Inc.	less than	<
pound	lb	Limited	Ltd.	less than or equal to	≤
quart	qt	District of Columbia	D.C.	logarithm (natural)	ln
yard	yd	et alii (and others)	et al.	logarithm (base 10)	log
<b>Time and temperature</b>		et cetera (and so forth)	etc.	logarithm (specify base)	log <sub>2</sub> , etc.
day	d	exempli gratia (for example)	e.g.	minute (angular)	'
degrees Celsius	°C	Federal Information Code	FIC	not significant	NS
degrees Fahrenheit	°F	id est (that is)	i.e.	null hypothesis	H <sub>0</sub>
degrees kelvin	K	latitude or longitude	lat or long	percent	%
hour	h	monetary symbols (U.S.)	\$, ¢	probability	P
minute	min	months (tables and figures): first three letters	Jan,...,Dec	probability of a type I error (rejection of the null hypothesis when true)	α
second	s	registered trademark	®	probability of a type II error (acceptance of the null hypothesis when false)	β
<b>Physics and chemistry</b>		trademark	™	second (angular)	"
all atomic symbols		United States (adjective)	U.S.	standard deviation	SD
alternating current	AC	United States of America (noun)	USA	standard error	SE
ampere	A	U.S.C.	United States Code	variance	
calorie	cal			population sample	Var var
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				

***FISHERY MANAGEMENT REPORT NO. 24-13***

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MANAGEMENT REPORT, 2023**

by

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## ABSTRACT

This report is a summary of the 2023 season and historical data concerning management of the commercial salmon fisheries of the Northwestern and Northern Districts of the North Alaska Peninsula in the Alaska Peninsula Management Area (Area M). Most commercial salmon fishing effort on the North Alaska Peninsula targeted sockeye salmon *Oncorhynchus nerka*. The 2023 commercial salmon harvest on the North Alaska Peninsula was 1,213 Chinook *O. tshawytscha*, 1,147,942 sockeye, 6,417 coho *O. kisutch*, 8,328 pink *O. gorbuscha*, and 91,172 chum *O. keta* salmon. The North Peninsula Chinook salmon harvest was slightly below the 10-year average (2013–2022) of 1,862 fish. The sockeye salmon harvest in the Northern District of 1,056,712 fish was well below the 10-year average harvest of 2,546,411 fish. The North Alaska Peninsula chum salmon harvest of 91,172 fish was below the 10-year average of 110,757 chum salmon, with most of the harvest (76,735 fish) occurring in the Izembek-Moffet Bay Section of the Northwestern District. The total exvessel value of all North Peninsula fisheries is estimated to be \$4.33 million. The exvessel value was well below the recent 10-year average of \$16.9 million. Most of the North Peninsula fisheries' value is composed of sockeye salmon harvested in the Northern District (\$4.2 million).

Total sockeye salmon escapement for North Alaska Peninsula streams was 1,131,375 fish, below the 10-year average of 1,325,058 fish. Approximately 76% of the sockeye salmon escapement occurred in the Northern District's 4 systems in which sockeye salmon escapements are enumerated with weirs (Nelson, Bear, Sandy, and Ilnik Rivers).

**Keywords:** North Alaska Peninsula, Area M, Northern District, Northwestern District, commercial fisheries, annual management report, AMR, salmon harvest, salmon escapement, SEG, BEG, Chinook salmon, *Oncorhynchus tshawytscha*, sockeye salmon, *Oncorhynchus nerka*, coho salmon, *Oncorhynchus kisutch*, pink salmon, *Oncorhynchus gorbuscha*, chum salmon, *Oncorhynchus keta*

## INTRODUCTION

The purpose of this report is to document catch and escapement data and to provide commercial salmon fishery operators, buyers, and other interested parties a context with which to compare the 2023 North Alaska Peninsula commercial salmon catch and escapement with historical information. Subsistence harvests and fish kept for personal use (home pack) are not included in this report; information regarding the 2022 subsistence and personal use harvests are instead reported for the entirety of Area M in the South Alaska Peninsula Salmon Annual Management Report. Subsistence harvest reports lag 1 year behind commercial harvest reports because subsistence permits are often not returned by users until well into winter. The salmon harvest estimates reported in this document were summarized from the fish ticket database on December 1, 2023. Unless otherwise noted, catch reporting in this report does not include personal use, subsistence, or test fishery catches. Data published in this report supersede any data previously published.

## GEOGRAPHY

### North Alaska Peninsula

The North Alaska Peninsula portion of the Alaska Peninsula Management Area (Area M) includes those waters of the Alaska Peninsula from Cape Sarichef to Cape Menashikof and consists of 2 districts: the Northwestern District, which includes all waters between Cape Sarichef and Moffet Point; and the Northern District, which includes all waters between Moffet Point and Cape Menashikof (Figure 1). The Nelson Lagoon to Outer Port Heiden Section, which encompasses most of the Northern District, is the primary sockeye salmon *Oncorhynchus nerka* harvest area on the North Alaska Peninsula and includes the Nelson Lagoon, Bear River, Three

Hills, Ilnik, and Outer Port Heiden Sections (Figure 2). Smaller directed commercial salmon fisheries occur in additional areas of the North Alaska Peninsula.

### **Alaska Peninsula and Bristol Bay Salmon Overlap Area**

The Alaska Peninsula Area (Area M) and Bristol Bay Area (Area T) overlap; the overlap area consists of the Cinder River Section, Inner Port Heiden Section, and Ilnik Lagoon Section (Figure 3; 5 AAC 39.120(d))<sup>1</sup>. The overlap area was created shortly after statehood to allow Area T permit holders the opportunity to fish within their traditional harvest locations of Area M. Historically, when not participating in the Bristol Bay sockeye salmon fisheries, Port Heiden Area T permit holders fished in the Inner Port Heiden Section for Chinook *O. tshawytscha* and coho *O. kisutch* salmon, and Area T permit holders from Pilot Point fished inside the Cinder River Section for Chinook and coho salmon.

Since 1985, most of the effort in the Cinder River Section has been from Area T permit holders. Prior to 2013, these permit holders were permitted to fish during the open season in the Inner Port Heiden and Cinder River Sections, except during the month of July. In 2013, the Alaska Board of Fisheries allowed Area T permit holders to fish in the Inner Port Heiden Section and the inner portion of the Cinder River Section during the entire commercial fishing season. Area T permit holders can also fish in the Ilnik Lagoon Section during August and September. In 1986, Area T permit holders started fishing in the Ilnik and Outer Port Heiden Sections. In 1990, the board excluded Area T permit holders from the Ilnik Section (except inside Ilnik Lagoon during August and September) and closed the Outer Port Heiden Section in August and September to all commercial salmon fishing by both Area M and Area T permit holders, because of concern over potential interception of coho salmon bound for Inner Port Heiden (Meshik River). Since 2000, commercial fishing effort in the overlap area has been minimal for both Area M and Area T permit holders.

### **GEAR**

Purse seine, hand purse seine, drift gillnet, and set gillnet are legal gear types in the Northwestern District (5 AAC 09.330(b)). In the Northern District, commercial salmon fishing is permitted with purse seine, drift gillnet, and set gillnet gear; however, within-section gear restrictions exist. For example, the Nelson Lagoon Section is open to drift and set gillnet gear only. In the Northern District, drift gillnet is the most widely used gear. In the Northwestern District, use of purse seine gear equals or exceeds use of drift gillnet gear in some years.

### **REGULATORY SEASON**

The commercial salmon season opens in most of the Northwestern District on June 1 and in most of the Northern District on May 1 (5 AAC 09.310). The Three Hills Section may open to commercial salmon fishing on June 25. In the Ilnik Section, fishing may be allowed on June 20 if sockeye salmon escapement meets or exceeds interim escapement objectives. A portion of the Outer Port Heiden Section may open to commercial salmon fishing beginning on June 20 only if sockeye salmon escapement in the Meshik River is sufficient. Management action may also be taken in the Ilnik and Outer Port Heiden Sections on Ugashik River sockeye salmon if that

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<sup>1</sup> ADF&G. 2023. 2023–2026 Alaska Peninsula, Atka–Amlia Islands, Aleutian Islands, and Chignik Areas Commercial Salmon Fishing Regulations. Alaska Department of Fish and Game, Juneau.

portion of the Egegik District, specified in 5 AAC 06.359(c), is closed for the conservation of Ugashik River sockeye salmon in the Bristol Bay Management Area.

## **INSEASON MANAGEMENT**

Although the earliest opening dates are established by regulation and modified by emergency orders, actual fishing time in North Alaska Peninsula fisheries is based on inseason evaluation of local stock abundance and escapement objectives. Sockeye salmon are the primary species targeted for harvest, and Nelson and Bear Rivers are the largest sockeye salmon producing systems. Between June 1 and September 15, within the Nelson Lagoon to Port Heiden region, management emphasis is on 5 sockeye salmon systems: Nelson, Bear, Sandy, Ilnik, and Meshik Rivers (Russell et al. 2023). Alaska Department of Fish and Game (ADF&G) operates weir camps on the Nelson, Bear, Sandy, and Ilnik Rivers that provide daily escapement counts used to manage commercial fisheries. Aerial surveys from fixed-wing aircraft are used to enumerate salmon in systems without weirs.

## **ESCAPEMENT GOALS**

Weir counts and aerial surveys are used to estimate escapement<sup>2</sup>. For river systems with established escapement goals, there are 2 types of goals used to characterize runs. A biological escapement goal (BEG) is used when the following conditions are met: (1) a sufficient time series of escapement and total return estimates are available, (2) contrast in the escapement data is sufficiently large, and (3) the estimates were sufficiently accurate and precise (Finkle et al. 2022). Using these criteria, systems assigned a BEG are managed for escapements providing the greatest potential for maximum sustained yield. A sustainable escapement goal (SEG) is used when total return estimates are not available because stock-specific harvest or age was not consistently measured (Finkle et al. 2022). Methods used to develop SEGs include the percentile approach and risk analysis models (Finkle et al. 2022). As defined by the Sustainable Salmon Fisheries Policy (5 AAC 39.222), an SEG is a level of escapement indicated by an index or escapement estimate that is known to provide for sustained yield over a 5-to-10-year period and is used in situations where a BEG cannot be estimated or managed for due to the absence of a stock-specific catch estimate.

The commercial salmon fisheries on the North Alaska Peninsula are managed using escapement goals developed using the aforementioned criteria and methods. Inseason escapement at each system with an established goal determines how the fisheries are managed in that section.

## **RUN TIMING**

The timing of sockeye salmon returning to North Alaska Peninsula streams varies by system and stock, but the majority of the sockeye salmon runs occur from early June to late July. Local sockeye salmon stocks are managed from the northern side of Unimak Island to the Cinder River region in specific areas from June through September. The Nelson River sockeye salmon run begins in early June, peaks in early July, and is over by mid-August (Murphy and Hartill 2009). Bear River supports 2 distinct sockeye salmon runs: an early run that begins in early June, peaks in early July, and ends in late July; and a late run that starts in late July, peaks in mid-August, and ends in September (Ramstad 1998). The Sandy, Ilnik, Meshik, and Cinder Rivers run timing

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<sup>2</sup> The Sustainable Salmon Fisheries Policy (5 AAC 39.222) defines escapement as the annual estimated size of the spawning salmon stock; quality of the escapement may be determined not only by numbers of spawners but also by factors such as sex ratio, age composition, temporal entry into the system, and spatial distribution within the salmon spawning habitat.

closely parallels the Bear River early run, beginning in early June and ending in late July (Murphy and Hartill 2009).

## **HARVEST BY SPECIES**

### **CHINOOK SALMON**

Historically, the vast majority of Chinook salmon harvest occurred in the Northern District, incidental to sockeye salmon fisheries, although periodically, there are directed fisheries. The 2023 North Alaska Peninsula commercial Chinook salmon harvest of 1,213 fish was under the 10-year average of 1,862 fish (Table 1). In 2023, the Chinook salmon harvest of 316 fish in the Nelson Lagoon Section was below the 10-year average of 801 fish (Tables 2 and 3). The Bear River Section harvest of 1 Chinook salmon occurred incidentally to the sockeye salmon fisheries and was below the 10-year average of 196 fish (Table 3). The Three Hills and Ilnik Sections combined harvest of 452 Chinook salmon was below the 10-year average of 563 fish (Table 3). The Outer Port Heiden Section had a harvest of 350 Chinook salmon (Tables 2 and 3), which was above the 10-year average of 241 fish (Table 3). Limited fishing effort occurred in the Inner Port Heiden and Port Moller Bight sections in 2023; those data will not be included due to confidentiality requirements (Table 3).

### **SOCKEYE SALMON**

The 2023, North Alaska Peninsula sockeye salmon harvest of 1,147,942 fish (Table 1) was below the 10-year average harvest of 2,580,630 fish and the 20-year average harvest of 2,348,265 fish (Figure 4). In addition, the 2023 harvest was below the preseason projected harvest of 2,609,000 sockeye salmon (Table 1; Russell et al. 2023). The 2023 peak weekly harvest of sockeye salmon on the North Alaska Peninsula occurred from June 25 to July 1, when 140 permit holders caught 377,077 sockeye salmon (Table 2).

Most of the harvest occurred in the Northern District in the Bear River, Ilnik, and Outer Port Heiden sections (Figures 1 and 2). The Ilnik Section had 57% (599,657 fish) of the total Northern District harvest, the Outer Port Heiden Section had approximately 29% (305,563 fish), and the Bear River Section had approximately 4% (38,874 fish; Table 4). The percentage of fish caught in the Ilnik and Outer Port Heiden sections during 2023 was above the historical 10-year average of 45% and 25%, respectively, whereas the Bear River Section fell below the 10-year average of 12% (Figure 5). The combined Port Moller Bight, Bear River, Three Hills, and Ilnik sections total harvest was 645,241 (61% of total harvest) sockeye salmon (Table 5). The combined Port Moller Bight, Bear River, Three Hills, Ilnik, and Outer Port Heiden sections total harvest was 954,026 (approximately 90% of total harvest; Table 2). The Nelson Lagoon sockeye salmon harvest was 101,659, below the 10-year average of 188,507 fish (Table 4). The Nelson Lagoon harvest accounted for approximately 10% of the Northern District sockeye salmon harvest. The combined Northern District harvest of 1,056,712 fish made up 92% of the total North Alaska Peninsula sockeye salmon harvest in 2023.

### **COHO SALMON**

The 2023 North Alaska Peninsula coho salmon harvest of 6,417 fish was below the 10-year average harvest of 49,743 fish (Table 1). Approximately 69% (4,403 fish) of the coho salmon harvest came from the Ilnik Section, 15% (962 fish) from the Outer Port Heiden Section, and 10% (629 fish) from the Bear River Section (Table 6). Typically, the Nelson Lagoon Section has

the largest coho salmon harvest, followed by the Ilnik Section. However, due to market conditions there was no directed coho fishery within the Northern District during the 2023 season.

## **PINK SALMON**

The 2023 North Alaska Peninsula pink salmon *O. gorbuscha* harvest of 8,328 fish was below the 2013–2021 odd-year average harvest of 129,911 fish (Table 1). Pink salmon harvested in the Northern District are caught incidental to fisheries for other salmon species. Most of the pink salmon harvest traditionally occurs in the Northwestern District. In 2023, 3,332 pink salmon were harvested in the Northwestern District (Table 7). The pink salmon harvest for Bechevin Bay is not included in the total harvest due to confidentiality requirements. All the pink salmon harvested on the North Alaska Peninsula during 2023 were incidental to other fisheries.

## **CHUM SALMON**

The 2023 North Alaska Peninsula chum salmon *O. keta* harvest of 91,172 fish was below the 10-year average harvest of 110,757 (Table 1). In the Northern District, the harvest of 14,372 fish was below the 10-year average of 29,679 fish (Table 8). Most chum salmon harvest in the Northern District occurred in the Outer Port Heiden Section (7,380 fish; Table 8). The Northwestern District chum salmon harvest of 76,800 fish was below the 10-year average of 82,745 (Table 9). Approximately 99% of Northwestern District chum salmon harvested during the 2023 season were harvested in the Izembek–Moffet Bay Section, and the harvest was comparable to the 10-year average of 75,357 fish (Table 9).

# **ESCAPEMENT BY SPECIES**

## **CHINOOK SALMON**

The 2023 North Alaska Peninsula estimated total Chinook salmon escapement of 5,082 fish was below the 10-year average of 12,170 (Table 1). The only North Alaska Peninsula river system with a Chinook salmon escapement goal is the Nelson River, with a BEG range of 2,400–5,000 fish (Finkle et al. 2022). During the 2023 season, 4,078 Chinook salmon escaped into Nelson River (Tables 3 and 10). The combined King Salmon, Bear, and Sandy Rivers (Bear River Section) estimated Chinook salmon escapement was 25 fish, below the 10-year average of 1,668 fish (Table 3; Appendix A1). The Bear River and Sandy River weir counts (Tables 11 and 12) do not accurately reflect the total escapement of Chinook salmon because most of the fish spawn below the weir sites or in downstream tributaries. In 2023, 2 Chinook salmon passed the Ilnik River weir (Table 13). The Chinook salmon escapement of 702 fish into the Inner Port Heiden Section (the Meshik River and its tributaries) was below the 10-year average of 1,984 fish (Table 3; Appendix A1). In the Cinder River Section, 275 Chinook salmon were documented, which was below the 10-year average of 2,498 fish (Table 3; Appendix A1).

## **SOCKEYE SALMON**

The 2023 North Alaska Peninsula estimated total sockeye salmon escapement of 1,131,375 fish, which included weir and aerial survey counts, was below the 10-year average estimated escapement of 1,325,058 fish (Table 1; Figure 6). The combined North Alaska Peninsula escapement goal range is 577,400–1,079,800 sockeye salmon for systems with established goals (Finkle et al. 2022). The systems with an SEG are Christianson Lagoon (23,000–50,000 fish),

North Creek (7,500–10,000 fish), Bear River (early run 176,000–293,000 fish, late run 117,000–195,000 fish, or combined 293,000–488,000 fish), Sandy River (37,000–69,000 fish), Ilnik River (40,000–75,000 fish), Meshik River (48,000–86,000 fish), and Cinder River (36,000–94,000 fish; Finkle et al. 2022). Nelson River is the only system on the North Alaska Peninsula with a BEG (97,000–219,000 fish; Finkle et al. 2022). The systems most often considered in management decisions, historical escapements, and goal ranges are detailed in Table 14. In 2023, Swanson Lagoon (5 sockeye salmon), located in the Northwestern District (Appendix A1), was the only system not to achieve its escapement goal. Nelson and Ilnik Rivers exceeded their escapement goals with totals of 250,213 and 109,021 sockeye salmon, respectively. All other systems met their escapement goals.

### **Nelson River**

In 2023, 262,713 sockeye salmon escaped into streams in the Nelson Lagoon Section (Table 4), of which 250,213 fish returned to Nelson River, 7,500 returned to David’s River, and 5,000 returned to Caribou River (Appendix A1). The Nelson River weir escapement of 250,213 fish exceeded the escapement goal of 97,000–219,000 and was above the 10-year average of 216,516 fish (Tables 14 and 15; Finkle et al. 2022). The peak daily escapement (10,971 fish) at the Nelson River weir occurred on July 12 (Table 15).

Nelson River is the only North Alaska Peninsula river system with a female sockeye salmon escapement objective. In the past, high numbers of female sockeye salmon have been harvested in the commercial fishery, reducing the quality of escapement. To account for this, the proportion of female sockeye salmon passing the weir is determined through periodic sampling. This proportion is then extrapolated to account for the entire day’s escapement. An estimated 80,068 female sockeye salmon, 32% of the total escapement, passed the weir in 2023, meeting the escapement objective of 50,000–110,000 female fish (Russell et al. 2023).

### **Bear River**

Bear River has early and late sockeye salmon escapement goals because the river has 2 temporally distinct runs. In 2023, the Bear River early run (before August 1) met the escapement goal of 176,000–293,000 fish with an escapement of 280,626 sockeye salmon. The late run (after July 31) met the escapement goal of 117,000–195,000 fish with an escapement of 128,783 sockeye salmon (Tables 16 and 17; Finkle et al. 2022). Bear River escapement was below the 10-year average of 528,461 fish (Table 14). The largest daily escapement at the weir in 2023 occurred on July 24 when 35,381 sockeye salmon were counted (Table 17).

### **Sandy River**

The 2023 Sandy River sockeye salmon escapement of 48,757 fish was within the escapement goal range of 37,000–69,000 fish but below the 10-year average escapement of 79,466 fish (Tables 14 and 18; Finkle et al. 2022). Heavy rains and snowmelt caused the Sandy River weir to wash out on July 22, and the final escapement includes an estimate of sockeye salmon that were holding downriver before the washout. A late-season aerial survey of spawning areas in Sandy Lake and Sandy River was conducted to verify estimated weir counts, and approximately 45,000 sockeye salmon were observed. The largest daily escapement at the Sandy River weir occurred on July 14 when 2,386 sockeye salmon were counted (Table 18).

## **Ilnik River**

In 2023, 103,021 sockeye salmon passed the Ilnik River weir. However, the Ocean River, a tributary of the Ilnik River, flowed directly into the Bering Sea in 2023. Aerial surveys estimated an escapement of 6,000 sockeye salmon into Ocean River for a total escapement of 109,021 sockeye salmon into the Ilnik River systems (Table 19; Appendix A1). Ilnik River escapement exceeded the escapement goal of 40,000–75,000 fish and was above the 10-year average of 87,571 fish (Table 14; Finkle et al. 2022). The largest daily escapement at the Ilnik River weir occurred on June 20, when 8,998 sockeye salmon passed the weir (Table 19).

## **Port Heiden**

Most of the escapement in Port Heiden is composed of fish spawning in Meshik River. Escapement into Meshik River and its tributaries are determined by aerial surveys. A total of 79,100 sockeye salmon were documented in the Meshik River (including Red Bluff Creek), meeting the escapement goal of 48,000–86,000 fish (Appendix A1 and A2; Finkle et al. 2022). This escapement was below the 10-year average of 115,469 fish (Table 14).

## **COHO SALMON**

Due to time and logistical constraints, coho salmon surveys are conducted before the peak of coho salmon runs. Final surveys are typically conducted within the first 2 weeks of September. During the 2023 season, the final survey was conducted August 29 due to poor weather conditions and the early closure of the Peter Pan cannery in Port Moller. Therefore, actual escapement into streams on the North Peninsula is probably much greater than what was observed by aerial survey. Nelson and Ilnik Rivers are the only systems on the North Alaska Peninsula that have a coho salmon lower-bound SEG. At Nelson River, the peak escapement estimate of 5,000 coho salmon (determined by aerial survey) fell short of the goal of 19,000–29,000 fish (Appendix A1; Finkle et al. 2022). The Ilnik and Ocean River were surveyed twice in August and zero coho were observed during these surveys, because water conditions were extremely poor during each survey; it is unknown if the lower-bound escapement goal of 9,000 fish was achieved. Some of the larger estimated escapements occurred in Meshik River (6,800 coho salmon) and Cinder River (5,200 coho salmon; Appendix A1).

Approximately 17,450 coho salmon were documented by aerial surveys in 16 North Alaska Peninsula streams during 2023 (Appendices A1 and A2).

## **PINK SALMON**

Pink salmon escapements are typically larger on even-numbered years than odd-numbered years on the Alaska Peninsula. The 2023 North Alaska Peninsula estimated total pink salmon escapement of 39,758 fish was below the 10-year even-year average of 213,781 fish (Table 1; Appendix A1). Most of the pink salmon escapement occurred in the Northern District (23,558 fish; Appendix A1), accounting for 59% of the total escapement for the North Peninsula.

## **CHUM SALMON**

The North Alaska Peninsula has 2 aggregated chum salmon escapement goals for the Northern and Northwestern Districts. The Northern District escapement goal is determined by an aggregate of 18 index streams. In 2023, the Northern District chum salmon escapement could not be accurately assessed due to poor aerial survey conditions on three streams. However, 136,143

chum salmon were observed in the remaining streams, exceeding the escapement goal of 49,000–132,000 fish. A total of 152,748 chum salmon escaped into Northern District streams in 2023 (Table 8; Appendix A1; Finkle et al. 2022). Historically, the Herendeen–Moller Bay Section has had the largest chum salmon run in the Northern District. In 2023, Herendeen and Moller Bays accounted for about 68% of the total Northern District chum salmon escapement (104,200 fish; Table 8). The remaining chum salmon escapement in the Northern District is shown in Table 8. The Northwestern District chum salmon escapement of 81,900 fish met the goal of 49,000–133,000 fish and was below the previous 10-year average of 102,049 fish (Table 9; Finkle et al. 2022). The aggregate North Alaska Peninsula estimated chum salmon escapement of 234,648 fish was below the 10-year average of 271,603 (Table 1).

## **AGE, SEX, AND LENGTH SAMPLING**

Age, sex, and length (ASL) data were collected following procedures outlined in published operation plans (Middleton and Aist 2023, Wattum and Foster 2024). Ages were recorded using European notation (Koo 1962), where a decimal point separates the number of winters spent in freshwater (after emergence) from the number of winters spent in saltwater. The total age of the fish includes an additional winter representing the time between egg deposition and fry emergence. Length measurements were taken from mid-eye to tail fork in millimeters, and sex was determined from external morphological characteristics. All data were typically recorded in field notebooks, digitized, and uploaded into the database. Escapement ASL compositions were computed for each system sampled. Age and sex composition estimates were linearly interpolated for days between sampling events, and extrapolated using data from the nearest statistical week in which age and sex data were available for periods before and after samples were collected, then summarized by statistical week. The age composition in the sample was apportioned to the escapement of the statistical period (week). Length composition data were summarized by age and sex and represent only the fish sampled. Descriptions of component programs used to compute age, length, and sex composition summaries can be found in database end user documentation (ADF&G Commercial Fisheries Division database documentation; Neil Moomey, Kodiak, Alaska; 2023; unpublished).

### **BEAR RIVER**

A total of 1,203 scale samples were ageable and used to represent an escapement of 280,626 early-run sockeye salmon at Bear Lake (Appendix B1). Bear Lake early-run sockeye salmon escapement was predominated by age-1.3 (48%), -1.2 (19%), and -2.3 (14%) sockeye salmon (Appendix B1). The average length of sampled sockeye salmon was 485 mm (Appendix B2). The Bear Lake early-run sockeye salmon escapement was composed of 50% female sockeye salmon (Appendix B3).

A total of 661 scale samples were ageable and used to represent an escapement of 171,703 late-run sockeye salmon at Bear Lake (Appendix B4). Bear Lake late-run sockeye salmon escapement was predominated by age-1.3 (47%), -1.2 (23%), and -2.2 (17%) sockeye salmon (Appendix B4). The average length of sampled sockeye salmon was 505 mm (Appendix B5). The Bear Lake late-run sockeye salmon escapement was composed of 51% female sockeye salmon (Appendix B3).



The late sockeye salmon run to Bear River was an estimated 253,095 fish in 2023, with age-1.3 fish accounting for 48%, age-1.2 fish accounting for 22%, and age-2.2 fish accounting for 16% of the run (Appendix B6).

## **ILNIK RIVER**

A total of 640 scale samples were ageable and used to represent an escapement of 109,021 sockeye salmon at Ilnik River (Appendix B7). Ilnik River sockeye salmon escapement was predominated by age-1.3 (69%) and -0.3 (16%) sockeye salmon (Appendix B7). The average length of sockeye salmon was 538 mm (Appendix B8). The Ilnik River sockeye salmon escapement was composed of 50% female sockeye salmon (Appendix B9).

## **NELSON RIVER**

A total of 953 scale samples were ageable and used to represent an escapement of 250,213 sockeye salmon at Nelson River (Appendix B10). Nelson River sockeye salmon escapement was predominated by age-1.2 (68%), -1.1 (17%), and -1.3 (5%) sockeye salmon (Appendix B10). The average length of sockeye salmon was 444 mm (Appendix B11). The Nelson River sockeye salmon escapement was composed of 32% female sockeye salmon (Appendix B12).

The sockeye salmon run to Nelson River was an estimated 351,872 fish in 2023, with age-1.2 fish accounting for 68%, age-1.1 fish accounting for 17%, and age-1.3 fish accounting for 5% of the run (Appendix B13).

## **SANDY RIVER**

A total of 436 scale samples were ageable and used to represent an escapement of 48,757 sockeye salmon at Sandy River (Appendix B14). Sandy River sockeye salmon escapement was predominated by age-1.3 (63%), -1.2 (24%), and -2.2 (6%) sockeye salmon (Appendix B14). The average length of sockeye salmon was 511 mm (Appendix B15). The Sandy River sockeye salmon escapement was composed of 56% female sockeye salmon (Appendix B16).

## **COMMERCIAL SALMON FISHERY SUMMARY**

Most of the commercial fishing effort on the North Alaska Peninsula targets sockeye salmon in the Northern District. The total Northern District sockeye salmon harvest was 1,056,712 sockeye salmon, which was more than 92% of the North Alaska Peninsula sockeye salmon harvest of 1,147,942 sockeye salmon (Tables 1 and 4). Sockeye salmon harvested in the Northwestern District is usually incidental to targeted pink and chum salmon fisheries. Fisheries targeting chum salmon in the Northwestern District harvested 76,800 chum salmon (Table 9). A complete listing of all commercial salmon harvested by day on the North Peninsula can be found in Table 20.

## **NORTHWESTERN DISTRICT**

During the 2023 Northwestern District commercial salmon fishery, 0 Chinook, 91,230 sockeye, 69 coho, 3,332 pink, and 76,800 chum salmon were harvested (Table 21). The Northwestern District only has a few sockeye salmon producing systems and receives less commercial fishing effort than the Northern District. Fishing effort in the Northwestern District typically targets chum salmon in the Izembek–Moffet Bay Section. The 2023 sockeye salmon harvest in the Northwestern District of 91,230 fish was above the 10-year average harvest of 37,882 fish

(Table 22). The chum salmon harvest of 76,800 fish in 2023 was below the 10-year average harvest of 82,745 fish (Table 9). The pink salmon harvest of 3,332 fish was well below the even-year average (2013-2021) of 101,296 fish (Table 7). Traditionally, chum salmon are the most harvested species in the Northwestern District followed by sockeye salmon.

## **NORTHERN DISTRICT**

### **Black Hills Section**

The Black Hills Section may open to commercial salmon fishing starting May 1 (5 AAC 09.310 (a)(10)). Typically, harvest effort in the Black Hills Section targets sockeye salmon and only occurs when other fishing areas are closed. In 2023, 6 permit holders harvested 454 sockeye salmon in the Black Hills Section (Table 2). Regularly scheduled weekly fishing periods occurred throughout the season, but most periods had minimal fishing effort. Most of the Black Hills Section harvest occurred between July 16 and July 22, when many other sections were closed. The sockeye salmon harvest was below the 10-year average of 16,476 fish (Table 4). Confidentiality rules prohibit reporting harvest by date in the Black Hills Section.

### **Nelson Lagoon Section**

The Nelson Lagoon Section may open to commercial salmon fishing on May 1 (5 AAC 09.310 (a)(8)). Fishing times are based on the evaluation of the Nelson River sockeye salmon stocks from mid-June to mid-August (5 AAC 09.369 (e)(2)). During the 2023 commercial salmon fishing season, the Nelson Lagoon Section was open for all regularly scheduled weekly fishing periods and was opened continuously starting on June 26 (Tables 23 and 24). The total Nelson River system sockeye salmon run, consisting of the Nelson Lagoon Section harvest and escapements of all Nelson River tributaries, was 364,372 fish (Table 4). A total of 19 permit holders harvested 101,659 sockeye salmon (Table 24), below the 10-year average harvest of 188,507 fish (Table 4; Figure 7). The salmon harvest in the Nelson Lagoon Section was from June 12 to August 15. The peak daily catch occurred on July 12 when 14 permit holders harvested 5,352 sockeye salmon (Table 24). The largest weekly harvest in Nelson Lagoon occurred between July 9 and July 15 when 26,841 sockeye salmon were harvested (Table 2; Figure 8).

After August 15, the Nelson Lagoon Section is managed based on coho salmon run strength at the Nelson River. Unlike previous seasons, there was no directed coho fishery within Nelson Lagoon due to market conditions. A total of 11 coho salmon were harvested in the Nelson Lagoon Section in 2023, below the recent 10-year average of 22,288 fish (Table 6).

### **Bear River and Three Hills Sections**

By regulation, the Bear River Section may open to commercial salmon fishing on May 1, whereas the Three Hills Section may open on June 25 (5 AAC 09.310 (a)(4)(5)). Fishing times in the Bear River and Three Hills Sections are based on the evaluation of the sockeye salmon stocks of the Bear and Sandy Rivers through June and July (Russell et al. 2023).

In 2023, the Bear River early run was slow to develop and trended well below the lower end of the interim escapement objectives throughout June and most of July. During this time, the Bear River and Three Hills Sections were closed to commercial fishing. During the first week of July, it became apparent additional management actions would be needed to increase escapement into both the Sandy and Bear Rivers, and the Ilnik Section was closed from July 8 to July 25.

Escapements began to increase rapidly on July 20, and the lower end of the escapement goal was exceeded by July 24. The upper end of the escapement goal was not surpassed during the 2023 season. The Sandy River sockeye salmon run tracked similarly to the Bear River run and did not meet the lower end escapement goal until July 22. Due to slow-developing runs at Bear and Sandy Rivers, commercial fishing was closed in the Bear River and Three Hills Section for the entirety of the early run (Table 25).

Starting August 1, the Bear River and Three Hills sections are managed for Bear River late run sockeye salmon. Traditionally, a test fishery is conducted in early August to assess the buildup of late-run sockeye salmon in the Bear River Section. However, the late run of sockeye salmon was earlier and stronger than average and by August 5 the total escapement was 52,833 sockeye salmon. As a result, the commercial fishery in the Bear River, Three Hills, and Ilnik Sections was opened on August 5 with that area of the beach between the King Salmon River and the Sandy River Bluffs closed to protect the developing late run (Table 23). No extensive closures were necessary during August because interim escapements were met throughout the month, and on August 13, closed waters in the Bear River Section reverted to those described in regulation.

Harvest in the Bear River Section occurred from August 5 to August 20. A total of 29 permit holders harvested 38,874 sockeye salmon, which was below the 10-year average harvest of 277,049 fish (Tables 4 and 25). The largest weekly harvest in the Bear River Section of 22,936 sockeye salmon occurred between August 13 and August 19 (Table 2; Figure 9), with the largest daily harvest of 6,787 fish on August 18 (Table 25). The total late-run harvest of 90,933 sockeye salmon (which includes harvests made in the Port Moller Bight, Three Hills, and Ilnik Sections after August 1) was below the most recent 10-year average of 226,564 fish, and the late-run escapement (171,703 fish) was also below the most recent 10-year average of 196,868 fish (Table 16).

Harvest in the Three Hills Section occurred from August 5 to August 14, and a total of 6,710 sockeye salmon were harvested by 14 permit holders (Tables 4 and 27). The 2023 sockeye salmon harvest was below the most recent 10-year average of 176,404 fish (Table 4).

## **Ilnik Section**

The Ilnik Section may open to commercial salmon fishing on June 20, depending on escapement in the Ilnik and Meshik Rivers (5 AAC 09.369(j)(1)(A)). Management of the Ilnik Section northeast of Unangashak Bluffs is based on the Ilnik River weir escapement and Meshik River sockeye salmon escapement (as determined by aerial surveys). In that portion of the Ilnik Section southwest of Unangashak Bluffs, management actions are based on the Ilnik River weir escapement from June 20 to July 20. Between July 21 and August 15, the Ilnik Section harvest is based on the abundance of Bear River sockeye salmon stocks (Russell et al. 2023).

Sockeye salmon escapement into Ilnik River was above interim escapement objectives during both June and July, and the Ilnik Section was opened continuously starting on June 20. However, due to poor sockeye escapement into the Bear and Sandy Rivers, the Ilnik Section was closed from July 8 to July 25. The Ilnik Section was reopened from July 26 through July 31, once the lower end of the escapement goals at both the Bear and Sandy River were achieved. The Ilnik Section was closed again for late run Bear River management from August 1 through August 4, and on August 5, the area was reopened for the remainder of the season. Additionally, the eastern portion of the Ilnik Section was closed for most of the 2023 season to protect fish entering Ocean River. Ocean River is a tributary of the Ilnik River but can change its course from year to year;

similarly to 2022, during 2023, Ocean River was still not connected to the Ilnik River and was draining directly into the Bering Sea.

In 2023, 131 permit holders harvested 599,657 sockeye salmon in the Ilnik Section (Table 28). Harvest between the Northeast and Southwest portions of the Ilnik Section were similar at 307,590 and 292,067 respectively (Table 21; Figure 2). The peak daily catch was on June 27 when 51,487 sockeye salmon were harvested (Table 28). The largest weekly harvest occurred between June 25 and July 1 when 258,291 sockeye salmon were harvested (Table 2).

After August 15, by regulation, the Ilnik Section is managed based on coho salmon runs into Ilnik Lagoon. In 2023, a total of 4,403 coho salmon were harvested in the Ilnik Section (Table 6).

### **Outer Port Heiden Section**

By regulation, the Outer Port Heiden Section may open to commercial salmon fishing from June 20 through July 31. Fishing time in the Outer Port Heiden Section is based on Meshik River sockeye salmon abundance unless management actions are taken for the conservation of Ugashik River sockeye salmon in the Egegik District (Russell et al. 2023). The weekly fishing period in the Outer Port Heiden Section allows 2½ days of fishing per week. Commercial salmon fishing opened in the Outer Port Heiden Section on June 22 for the first fishing period. Fishing periods were allotted for 2½ days per week in the Outer Port Heiden Section until July 31, when it was closed for the season (Table 23).

A total of 114 permit holders harvested 305,563 sockeye salmon from the Outer Port Heiden Section (Table 29). The peak daily catch was on July 18 when 55 permit holders harvested 41,416 sockeye salmon (Table 29). The largest weekly harvest of 84,578 sockeye salmon occurred between July 16 and July 22 (Table 2; Figure 9). The number of permit holders fishing in the Outer Port Heiden Section in 2023 was above the previous 10 years (Figure 10), whereas the sockeye salmon harvest was below the 10-year average of 587,050 fish (Table 4).

### **Inner Port Heiden and Cinder River Sections**

The Inner Port Heiden and Cinder River Sections are both part of the Area M/Area T overlap. Commercial fishing effort has not significantly or consistently occurred in either section since the late 1990s. Table 30 provides historical harvest data for the Area M/Area T overlap area. In 2023, no commercial salmon fishing effort occurred in the Cinder River Section. Harvest data will not be included for the Inner Port Heiden Section in 2023 due to confidentiality requirements.

## **EXVESSEL VALUE**

Appendix C provides a summary of exvessel values of the 2023 North Alaska Peninsula commercial salmon fisheries.

The total exvessel value of the 2023 North Alaska Peninsula fisheries is estimated to be \$4.3 million. The exvessel value is above the recent 10-year average of \$16.9 million (Appendix C1). In 2023, sockeye salmon sold for an average price of \$0.70 per pound, and Chinook salmon sold for \$1.36 per pound, below the most recent 10-year averages of \$1.16 and \$1.47, respectively (Appendix C2). The price per pound of coho salmon (\$0.22) was below the most recent 10-year average price per pound of \$0.45 (Appendix C2). Pink salmon were only incidentally harvested

on the North Peninsula in 2023. Chum salmon were bought by processors for an average of \$0.15 per pound, which was below the most recent 10-year average of \$0.33 (Appendix C2).

Sockeye salmon made up most of the value of the fishery, totaling \$4.2 million (Appendix C3). Coho and chum salmon were the next most valuable species, at \$95,028 and \$22,689, respectively (Appendix C1).

The majority of exvessel value in North Alaska Peninsula fisheries was from the Northern District by the drift gillnet fishery, which accounted for \$3.6 million in total value, whereas the set gillnet fishery accounted for \$294,717. Within the Northwestern District, the purse seine fishery accounted for \$414,233 of harvest (Appendix C3).

## **EMERGENCY ORDERS**

In 2023, a total of 23 emergency orders were issued concerning North Alaska Peninsula salmon fisheries (Table 23). The first emergency order for the North Alaska Peninsula was issued on June 16 and the last on August 12. Emergency orders for North Alaska Peninsula fisheries were issued from the regional Alaska Department of Fish and Game offices in Port Moller for the Northern District and in Cold Bay for the Northwestern District.

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## **TABLES AND FIGURES**

Table 1.—North Alaska Peninsula salmon runs by species, 1990–2023.

		Number of salmon					
Year		Chinook	Sockeye	Coho	Pink	Chum	Total
1990	Catch	12,320	2,416,047	192,978	517,724	126,113	3,265,182
	Escapement <sup>a</sup>	7,100	1,032,200	140–175 <sup>b,c</sup>	132,200	226,400	
	Total	19,420	3,448,247		649,924	352,513	
1991	Catch	9,359	2,391,406	218,274	4,249	191,278	2,814,566
	Escapement <sup>a</sup>	9,600	1,317,300		6,300	303,300	
	Total	18,959	3,708,706		10,549	494,578	
1992	Catch	13,136	3,575,507	206,813	194,395	341,616	4,331,467
	Escapement <sup>a</sup>	6,600	861,300		207,600	351,700	
	Total	19,736	4,436,807		401,995	693,316	
1993	Catch	22,417	3,866,479	64,376	5,328	134,957	4,093,557
	Escapement <sup>a</sup>	13,700	1,003,800		72,800	402,400	
	Total	36,117	4,870,279		78,128	537,357	
1994	Catch	18,508	2,783,156	241,913	226,315	83,897	3,353,789
	Escapement <sup>a</sup>	38,400	1,211,400		133,200	480,200	
	Total	56,908	3,994,556		359,515	564,097	
1995	Catch	7,540	3,272,748	135,639	12,171	99,293	3,527,391
	Escapement <sup>a</sup>	24,400	1,077,000		8,200	756,300	
	Total	31,940	4,349,748		20,371	855,593	
1996	Catch	4,941	1,911,126	157,313	53,842	67,956	2,195,178
	Escapement <sup>a</sup>	25,700	967,900		382,600	823,100	
	Total	30,641	2,879,026		436,442	891,056	
1997	Catch	10,352	2,151,010	94,776	50,701	97,380	2,404,219
	Escapement <sup>a</sup>	19,500	820,300		25,000	388,200	
	Total	29,852	2,971,010		75,701	485,580	
1998	Catch	5,928	1,087,552	134,724	34,810	69,516	1,332,530
	Escapement <sup>a</sup>	15,000	876,728		300,000	729,500	
	Total	20,928	1,964,280		334,810	799,016	
1999	Catch	4,886	1,783,804	53,907	4,367	50,120	1,897,084
	Escapement <sup>a</sup>	10,900	898,875		25,000	666,300	
	Total	15,786	2,682,679		29,367	716,420	
2000	Catch	3,904	1,968,882	83,655	34,373	93,696	2,184,510
	Escapement <sup>a</sup>	9,600	883,200		70,900	594,700	
	Total	13,504	2,852,082		105,273	688,396	
2001	Catch	4,412	1,147,030	22,162	12,469	174,523	1,360,596
	Escapement <sup>a</sup>	13,300	885,439		24,300	692,700	
	Total	17,712	2,032,469		36,769	867,223	
2002	Catch	3,852	1,415,872	28,751	21,461	51,040	1,520,976
	Escapement <sup>a</sup>	18,900	829,190	289,333 <sup>d</sup>	24,900	679,900	
	Total	22,752	2,245,062	318,084	46,361	730,940	

-continued-

Table 1.—Page 2 of 3.

		Number of salmon					
Year		Chinook	Sockeye	Coho	Pink	Chum	Total
2003	Catch	4,545	1,477,391	53,137	18,624	38,755	1,592,452
	Escapement <sup>a</sup>	11,078	1,271,011	337,800 <sup>d</sup>	20,000	450,660	
	Total	15,623	2,748,402	390,937	38,624	489,415	
2004	Catch	10,402	2,433,778	33,920	15,828	14,958	2,508,886
	Escapement <sup>a</sup>	30,874	1,433,777	520,400 <sup>d</sup>	122,000	434,950	
	Total	41,276	3,867,555	554,320	137,828	449,908	
2005	Catch	9,198	3,115,792	68,680	3,830	42,539	3,240,039
	Escapement <sup>a</sup>	30,617	1,547,788	138,169 <sup>d</sup>	52,628	296,640	
	Total	39,815	4,663,580	206,849	56,458	339,179	
2006	Catch	7,637	2,375,158	93,932	64,207	131,718	2,672,675
	Escapement <sup>a</sup>	32,173	1,197,546	229,440 <sup>d</sup>	252,462	576,043	
	Total	39,810	3,572,704	323,372	316,669	707,761	
2007	Catch	7,609	3,408,818	68,969	137,882	181,009	3,804,287
	Escapement <sup>a</sup>	20,685	1,068,952	74,050 <sup>d,e</sup>	45,509	578,784	
	Total	28,294	4,477,770	143,019	183,391	759,793	
2008	Catch	1,799	2,003,906	125,237	21,136	177,364	2,329,442
	Escapement <sup>a</sup>	36,072	1,018,670	178,925 <sup>d</sup>	49,400	470,287	
	Total	37,871	3,022,576	304,162	70,536	647,651	
2009	Catch	3,189	2,426,601	66,713	275,083	105,994	2,877,580
	Escapement <sup>a</sup>	12,807	934,400	206,695 <sup>d</sup>	91,441	232,591	
	Total	15,996	3,361,001	273,408	366,524	338,585	
2010	Catch	2,772	2,229,978	62,147	7,833	259,063	2,561,793
	Escapement <sup>a</sup>	9,387	879,400	117,900	32,412	289,410	
	Total	12,159	3,109,378	180,047	40,245	548,473	
2011	Catch	2,368	923,194	19,440	108,830	293,782	1,347,614
	Escapement <sup>a</sup>	15,254	795,105	108,150	16,778	248,352	
	Total	17,622	1,718,299	127,590	125,608	542,134	
2012	Catch	1,053	764,388	37,399	1,173	283,035	1,087,048
	Escapement <sup>a</sup>	3,574	743,790	163,670	28,968	280,418	
	Total	4,627	1,508,178	201,069	30,141	563,453	
2013	Catch	571	721,336	27,256	5,281	130,939	885,383
	Escapement <sup>a</sup>	4,346	990,800	100,075	8,183	230,051	
	Total	4,917	1,712,136	127,331	13,464	360,990	
2014	Catch	906	1,962,932	104,374	11,437	128,843	2,208,492
	Escapement <sup>a</sup>	8,590	1,159,152	252,850	96,059	246,111	
	Total	9,496	3,122,084	357,224	107,496	374,954	
2015	Catch	2,843	2,728,318	57,133	12,392	191,676	2,992,362
	Escapement <sup>a</sup>	11,545	1,375,960	258,050	263,796	278,994	
	Total	14,344	4,104,278	299,938	276,188	470,670	

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Table 1.–Page 3 of 3.

		Number of salmon					
Year		Chinook	Sockeye	Coho	Pink	Chum	Total
2016	Catch	1,891	3,503,541	73,038	12,274	88,894	3,679,638
	Escapement <sup>a</sup>	17,464	1,611,310	291,775	97,496	390,924	
	Total	19,355	5,114,851	364,813	109,770	479,818	
2017	Catch	2,858	3,861,515	6,655	11,341	82,230	3,964,599
	Escapement <sup>a</sup>	7,626	2,365,317	103,750	388,271	430,140	
	Total	10,484	6,226,832	110,405	399,612	512,370	
2018	Catch	1,761	2,366,324	105,210	32,241	157,349	2,662,885
	Escapement <sup>a</sup>	15,909	1,328,750	343,300	51,043	236,109	
	Total	17,670	3,695,074	448,510	83,284	393,458	
2019	Catch	3,874	2,400,781	42,448	578,038	231,144	3,256,285
	Escapement <sup>a</sup>	21,327	1,095,225	168,800	285,278	345,097	
	Total	25,201	3,496,006	211,248	863,316	576,241	
2020	Catch	1,223	1,780,175	48,176	30,481	56,125	1,916,180
	Escapement <sup>a</sup>	10,755	1,079,928	164,100	118,152	180,915	
	Total	11,978	2,860,103	212,276	148,633	237,040	
2021	Catch	1,808	2,877,144	25,390	42,502	26,278	2,973,122
	Escapement <sup>a</sup>	11,961	1,152,052	130,400	123,376	162,906	
	Total	13,769	4,029,196	155,790	165,878	189,184	
2022	Catch	887	3,604,235	7,711	12,362	14,095	3,639,290
	Escapement <sup>a</sup>	12,174	1,092,090	191,920	79,589	214,782	
	Total	13,061	4,696,325	199,631	91,951	228,877	
2023	Catch	1,213	1,147,942	6,417	8,328	91,172	1,255,072
	Escapement <sup>a</sup>	5,082	1,131,375	17,450	39,758	234,648	
	Total	6,295	2,279,317	23,867	48,086	325,820	
2023	Projected catch	2,000	2,609,000	46,000	134,000	98,000	2,889,000
2013–2022 average <sup>f</sup>							
	Catch	1,862	2,580,630	49,743	129,911	110,757	
	Escapement <sup>a</sup>	12,170	1,325,058	200,502	213,781	271,603	
	Total	14,028	3,905,689	248,721	343,692	382,360	

*Note:* Catch numbers do not include test-fishery harvest or fish retained for personal use. Survey data prior to 2002 are incomplete.

<sup>a</sup> Escapements are estimated totals.

<sup>b</sup> These figures are very rough extrapolated estimates.

<sup>c</sup> Number of fish in thousands.

<sup>d</sup> Escapement estimates are a minimum count.

<sup>e</sup> No surveys were conducted in the Northern District.

<sup>f</sup> Averages for pink salmon include only the even-numbered years 2012, 2014, 2016, 2018, and 2020.

Table 2.—North Alaska Peninsula salmon harvest by species, week, and section, all gear combined, 2023.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
Dublin Bay Section <sup>a</sup>													
Total	0	—	—	—	—	—	—	—	—	—	—	—	
Urilia Bay Section													
25-Jun to 1-Jul	4	16	0	0	78,348	451,695	0	0	116	400	65	504	
Total	4	16	0	0	78,348	451,695	0	0	116	400	65	504	
Swanson Lagoon Section <sup>a</sup>													
Total	0	—	—	—	—	—	—	—	—	—	—	—	
Bechevin Bay Section													
6-Aug to 12-Aug <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	
Total <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	
Izembek–Moffet Bay Section													
9-Jul to 15-Jul <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	
16-Jul to 22-Jul	11	17	0	0	8,117	42,601	14	86	344	1,313	21,296	138,277	
23-Jul to 29-Jul	9	12	0	0	2,031	11,842	28	166	273	1,023	12,788	94,187	
30-Jul to 12-Aug <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	
6-Aug to 12-Aug <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	
13-Aug to 19-Aug	3	5	0	0	202	939	27	140	1,373	4,300	15,080	116,359	
Total <sup>c</sup>	13	43	0	0	12,882	69,076	69	392	3,216	9,746	76,735	549,050	

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Table 2.–Page 2 of 4.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Caribou Flats Section <sup>d</sup>												
Total												
Black Hills Section												
16-Jul to 22-Jul	4	4	0	0	285	1,591	14	85	78	409	174	1,320
23-Jul to 5-Aug <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—
Total <sup>c</sup>	6	6	0	0	454	2,523	25	165	125	565	283	2,189
Nelson Lagoon Section												
11-Jun to 17-Jun	5	9	28	314	447	1,942	0	0	0	0	0	0
18-Jun to 24-Jun	13	47	164	2,911	6,321	25,812	0	0	0	0	0	0
25-Jun to 1-Jul	16	59	69	1,101	9,696	50,593	0	0	0	0	0	0
2-Jul to 8-Jul	15	71	34	668	22,129	112,958	0	0	0	0	0	0
9-Jul to 15-Jul	16	79	13	218	26,841	136,362	0	0	0	0	0	0
16-Jul to 22-Jul	15	73	7	149	22,548	114,117	0	0	0	0	0	0
23-Jul to 29-Jul	16	57	0	0	8,312	41,476	0	0	0	0	0	0
30-Jul to 5-Aug	14	32	1	28	4,674	23,482	0	0	0	0	0	0
6-Aug to 12-Aug	6	11	0	0	448	2,208	11	66	0	0	0	0
13-Aug to 19-Aug <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—
Total <sup>c</sup>	19	438	316	5,389	101,659	510,216	11	66	0	0	0	0
Herendeen-Moller Bay and Port Moller Bight												
4-Jun to 26-Aug <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—
Total <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—
Bear River Section												
30-Jul to 5-Aug	8	9	0	0	2,495	13,195	16	83	15	73	79	447
6-Aug to 12-Aug	15	39	0	0	11,546	58,741	168	960	208	772	357	2,164
13-Aug to 19-Aug	24	68	1	37	22,936	103,350	421	1,871	336	1,262	568	3,147
20-Aug to 26-Aug	4	4	0	0	1,897	7,582	24	96	15	60	7	35
Total	29	120	1	37	38,874	182,868	629	3,010	574	2,167	1,011	5,793

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Table 2.—Page 3 of 4.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Three Hills Section												
30-Jul to 5-Aug	4	4	0	0	1,111	6,413	61	347	18	99	2	11
6-Aug to 12-Aug	14	21	1	20	5,350	30,071	210	1,242	248	1,048	60	346
13-Aug to 19-Aug <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—
Total <sup>c</sup>	14	25	1	20	6,461	36,484	271	1,589	266	1,147	62	357
Ilnik Section												
18-Jun to 24-Jun	105	252	193	2,233	58,706	305,380	0	0	0	0	256	1,354
25-Jun to 1-Jul	116	539	208	2,854	258,291	1,317,498	0	0	0	0	2,330	12,597
2-Jul to 8-Jul	127	394	50	797	200,802	1,067,494	0	0	21	80	1,031	6,182
9-Jul to 22-Jul <sup>f</sup>	—	—	—	—	—	—	—	—	—	—	—	—
23-Jul to 29-Jul	37	97	0	0	36,509	176,409	94	451	94	383	308	1,842
30-Jul to 5-Aug	22	33	0	0	14,640	77,422	247	1,191	137	602	349	1,788
6-Aug to 12-Aug	25	90	0	0	29,409	159,378	4,004	21,833	2,917	11,611	808	4,865
13-Aug to 19-Aug	3	3	0	0	361	2,046	45	257	8	25	4	25
20-Aug to 26-Aug	4	4	0	0	939	5,406	13	78	334	1,385	72	403
Total	131	1,412	451	5,884	599,657	3,111,033	4,403	23,810	3,511	14,086	5,158	29,056
Harbor Point to Outer Port Heiden (Port Moller Bight, Bear River, Three Hills, Ilnik, and Outer Port Heiden Sections Combined)												
18-Jun to 24-Jun <sup>g</sup>	107	434	522	5,858	112,240	579,191	0	0	0	0	718	4,001
25-Jun to 1-Jul	120	625	243	3,235	289,033	1,487,002	0	0	4	18	2,484	13,553
2-Jul to 8-Jul	132	501	71	1,071	252,799	1,369,379	1	6	35	158	1,457	8,788
9-Jul to 15-Jul	105	209	15	231	66,188	347,494	1	6	44	187	1,842	10,958
16-Jul to 22-Jul	60	145	2	31	84,578	418,292	393	1,746	67	281	3,523	20,051
23-Jul to 29-Jul	46	159	1	9	50,183	245,041	283	1,305	336	1,264	1,594	9,119
30-Jul to 5-Aug	31	63	0	0	25,385	130,346	703	3,136	270	1,167	546	2,870
6-Aug to 12-Aug	36	154	1	20	46,718	250,285	4,390	24,074	3,398	13,530	1,248	7,497
13-Aug to 19-Aug	29	79	1	37	24,036	109,194	504	2,351	368	1,381	594	3,299
20-Aug to 26-Aug	8	9	0	0	2,863	13,096	37	174	349	1,445	79	438
Total <sup>b</sup>	135	2,385	897	11,242	954,026	4,949,337	6,312	32,798	4,871	19,431	14,085	80,573

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Table 2.—Page 4 of 4.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Outer Port Heiden Section												
18-Jun to 24-Jun	81	176	286	3,001	53,459	273,414	0	0	0	0	457	2,622
25-Jun to 1-Jul	41	83	29	351	30,569	168,616	0	0	0	0	150	936
2-Jul to 8-Jul	61	104	17	245	51,670	300,215	1	6	14	79	421	2,580
9-Jul to 15-Jul	105	209	15	231	66,188	347,494	1	6	44	187	1,842	10,958
16-Jul to 22-Jul	60	145	2	31	84,578	418,292	393	1,746	67	281	3,523	20,051
23-Jul to 29-Jul	35	56	1	9	12,482	62,360	188	849	140	515	920	5,413
30-Jul to 5-Aug	9	13	0	0	6,617	30,669	379	1,515	72	288	67	373
Total	114	786	350	3,868	305,563	1,601,060	962	4,122	337	1,350	7,380	42,932
Entire North Peninsula												
11-Jun to 17-Jun <sup>g</sup>	6	13	52	763	449	1,954	0	0	0	0	0	0
18-Jun to 24-Jun	120	481	686	8,769	118,561	605,003	0	0	0	0	718	4,001
25-Jun to 1-Jul	140	700	312	4,336	377,077	1,989,290	0	0	120	418	2,549	14,057
2-Jul to 8-Jul	148	572	105	1,739	274,928	1,482,337	1	6	35	158	1,457	8,788
9-Jul to 15-Jul	122	290	28	449	95,306	496,148	1	6	59	232	6,653	44,635
16-Jul to 22-Jul	88	239	9	180	115,528	576,601	421	1,917	489	2,003	24,993	159,648
23-Jul to 29-Jul	67	229	1	9	60,572	298,632	322	1,551	656	2,443	14,491	104,175
30-Jul to 5-Aug	46	100	1	28	30,332	155,331	703	3,136	960	2,914	13,785	99,518
6-Aug to 12-Aug	44	169	1	20	47,271	253,051	4,401	24,140	3,919	14,848	10,769	77,399
13-Aug to 19-Aug	33	86	1	37	24,481	111,399	531	2,491	1,741	5,681	15,674	119,658
20-Aug to 26-Aug	8	9	0	0	2,863	13,096	37	174	349	1,445	79	438
Total <sup>c</sup>	159	2,891	1,213	16,631	1,147,942	5,985,559	6,417	33,421	8,328	30,143	91,172	632,346

Note: Catch numbers do not include test-fishery harvest or fish retained for personal use. Dashes indicate that there was no fishing period in the associated sections for the identified timeframes.

<sup>a</sup> No harvest effort.

<sup>b</sup> Confidential.

<sup>c</sup> Totals include confidential harvests.

<sup>d</sup> Caribou flats section is closed by regulation.

<sup>e</sup> Totals exclude confidential harvests.

<sup>f</sup> Closed.

<sup>g</sup> All harvests before this date are confidential.



Table 3.—Northern District Chinook salmon runs in number of fish, by section, 1990–2023.

Year		Cinder River Section	Outer Port Heiden Section <sup>a</sup>	Inner Port Heiden Section	Three Hills and Ilnik Sections	Bear River Section	Port Moller Bight and Herendeen— Moller Bay Sections	Nelson Lagoon Section <sup>b</sup>	Caribou Flats and Black Hills Sections	Northern District totals
1990	Catch	63	0	4,699	545	2,145	126	3,573	1,126	12,277
	Escapement <sup>c</sup>	1,600	0	800	0	1,400	0	2,300	1,000	7,100
	Total	1,663	0	5,499	545	3,545	126	5,873	2,126	19,377
1991	Catch	2	0	3,139	255	1,631	202	3,452	635	9,316
	Escapement <sup>c</sup>	600	0	900	0	700	0	6,800	500	9,500
	Total	602	0	4,039	255	2,331	202	10,252	1,135	18,816
1992	Catch	133	0	5,427	1,366	3,264	114	2,787	21	13,112
	Escapement <sup>c</sup>	300	0	1,400	0	1,000	0	3,000	900	6,600
	Total	433	0	6,827	1,366	4,264	114	5,787	921	19,712
1993	Catch	2,260	0	9,562	345	5,340	79	4,815	1	22,402
	Escapement <sup>c</sup>	700	0	3,200	0	1,800	0	6,000	2,000	13,700
	Total	2,960	0	12,762	345	7,140	79	10,815	2,001	36,102
1994	Catch	2,583	0	8,752	563	2,973	111	3,509	0	18,491
	Escapement <sup>c</sup>	10,500	0	15,100	0	6,200	0	4,800	1,900	38,500
	Total	13,083	0	23,852	563	9,173	111	8,309	1,900	56,991
1995	Catch	335	0	2,261	593	834	11	3,488	8	7,530
	Escapement <sup>c</sup>	9,300	0	7,100	0	3,600	0	3,000	1,300	24,300
	Total	9,635	0	9,361	593	4,434	11	6,488	1,308	31,830
1996	Catch	748	0	8	369	1,298	73	2,308	128	4,932
	Escapement <sup>c</sup>	4,000	0	12,000	0	2,600	0	4,000	3,000	25,600
	Total	4,748	0	12,008	369	3,898	73	6,308	3,128	30,532
1997	Catch	340	0	3,678	1,248	1,880	8	3,164	25	10,343
	Escapement <sup>c</sup>	2,300	0	4,000	0	4,300	0	7,000	1,800	19,400
	Total	2,640	0	7,678	1,248	6,180	8	10,164	1,825	29,743
1998	Catch	410	0	1,342	388	831	43	2,715	153	5,882
	Escapement <sup>c</sup>	2,100	0	3,500	0	2,400	0	5,200	1,800	15,000
	Total	2,510	0	4,842	388	3,231	43	7,915	1,953	20,882

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Table 3.–Page 2 of 5.

		Cinder River Section	Outer Port Heiden Section <sup>a</sup>	Inner Port Heiden Section	Three Hills and Ilnik Sections	Bear River Section	Port Moller Bight and Herendeen– Moller Bay Sections	Nelson Lagoon Section <sup>b</sup>	Caribou Flats and Black Hills Sections	Northern District totals
Year										
1999	Catch	205	0	279	1,893	408	17	1,925	90	4,817
	Escapement <sup>c</sup>	2,300	0	800	0	2,100	0	4,000	1,700	10,900
	Total	2,505	0	1,079	1,893	2,508	17	5,925	1,790	15,717
2000	Catch	56	0	0	1,308	991	44	1,387	105	3,891
	Escapement <sup>c</sup>	700	0	1,500	0	1,600	0	4,200	1,700	9,700
	Total	756	0	1,500	1,308	2,591	44	5,587	1,805	13,591
2001	Catch	573	0	0	416	963	0	2,164	266	4,382
	Escapement <sup>c</sup>	1,700	0	1,100	100	1,500	0	7,400	1,600	13,400
	Total	2,273	0	1,100	516	2,463	0	9,564	1,866	17,782
2002	Catch	76	0	0	188	2,194	8	1,312	57	3,835
	Escapement <sup>c</sup>	2,300	0	4,500	100	2,800	0	6,900	2,300	18,900
	Total	2,376	0	4,500	288	4,994	8	8,212	2,357	22,735
2003	Catch	0	0	0	312	2,987	0	1,082	162	4,543
	Escapement <sup>c</sup>	350	0	1,200	28	1,500	0	5,500	2,500	11,078
	Total	350	0	1,200	340	4,487	0	6,582	2,662	15,621
2004	Catch	0	0	0	1,951	5,429	0	3,016	4	10,400
	Escapement <sup>c</sup>	4,200	0	8,300	15	7,400	0	7,759	3,200	30,874
	Total	4,200	0	8,300	1,966	12,829	0	10,775	3,204	41,274
2005	Catch	231	0	261	1,706	4,081	0	2,887	24	9,190
	Escapement <sup>c</sup>	4,400	0	13,700	24	5,600	0	4,993	1,900	30,617
	Total	4,631	0	13,961	1,730	9,681	0	7,880	1,924	39,807
2006	Catch	0	0	1,057	2,240	1,312	0	3,020	4	7,633
	Escapement <sup>c</sup>	4,200	0	10,900	57	4,100	0	2,516	10,400	32,173
	Total	4,200	0	11,957	2,297	5,412	0	5,536	10,404	39,806
2007	Catch	0	970	0	4,935	332	0	1,372	0	7,609
	Escapement <sup>c</sup>	8,800	0	4,750	71	1,682	0	2,492	2,890	20,685
	Total	8,800	970	4,750	5,006	2,014	0	3,864	2,890	28,294

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Table 3.–Page 3 of 5.

Year		Cinder River Section	Outer Port Heiden Section <sup>a</sup>	Inner Port Heiden Section	Three Hills and Ilnik Sections	Bear River Section	Port Moller Bight and Herendeen– Moller Bay Sections	Nelson Lagoon Section <sup>b</sup>	Caribou Flats and Black Hills Sections	Northern District totals
2008	Catch	0	168	0	701	13	0	881	30	1,793
	Escapement <sup>c</sup>	12,800	0	11,200	15	2,145	0	5,012	4,900	36,072
	Total	12,800	168	11,200	716	2,158	0	5,893	4,930	37,865
2009	Catch	0	800	0	595	1,194	0	575	23	3,187
	Escapement <sup>c</sup>	4,750	0	3,000	13	1,296	0	2,048	1,700	12,807
	Total	4,750	800	3,000	608	2,490	0	2,623	1,723	15,994
2010	Catch	0	580	0	419	1,361	41	360	6	2,767
	Escapement <sup>c</sup>	1,950	0	1,010	14	544	0	2,769	3,100	9,387
	Total	1,950	580	1,010	433	1,905	41	3,129	3,106	12,154
2011	Catch	0	756	0	570	473	39	499	19	2,356
	Escapement <sup>c</sup>	3,200	0	8,300	0	750	0	1,704	1,300	15,254
	Total	3,200	756	8,300	570	1,223	39	2,203	1,319	17,610
2012	Catch	0	292	0	355	65	0	280	52	1,044
	Escapement <sup>c</sup>	440	0	41	1	1,400	0	1,092	600	3,574
	Total	440	292	41	356	1,465	0	1,372	652	4,618
2013	Catch	0	50	0	75	55	0	346	37	563
	Escapement <sup>c</sup>	1,100	0	375	0	725	0	1,221	925	4,346
	Total	1,100	50	375	75	780	0	1,567	962	4,909
2014	Catch	0	49	0	76	287	0	454	5	871
	Escapement <sup>c</sup>	325	0	845	0	619	0	4,151	2,650	8,590
	Total	325	49	845	76	906	0	4,605	2,655	9,461
2015	Catch	0	271	0	413	755	0	1,286	68	2,793
	Escapement <sup>c</sup>	1,450	0	2,160	1	1,644	0	3,590	2,700	11,545
	Total	1,450	271	2,160	414	2,399	0	4,876	2,768	14,338
2016	Catch	<sup>d</sup>	75	0	485	101	0	1,188	42	1,891
	Escapement <sup>c</sup>	5,450	0	1,275	5	4,541	75	4,618	1,500	17,464
	Total	5,450	75	1,275	490	4,642	75	5,806	1,542	19,355

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Table 3.–Page 4 of 5.

Year		Cinder River Section	Outer Port Heiden Section <sup>a</sup>	Inner Port Heiden Section	Three Hills and Ilnik Sections	Bear River Section	Port Moller Bight and Herendeen– Moller Bay Sections	Nelson Lagoon Section <sup>b</sup>	Caribou Flats and Black Hills Sections	Northern District Totals
2017	Catch	<sup>d</sup>	374	0	1,644	161	<sup>d</sup>	652	11	2,842
	Escapement <sup>c</sup>	1,500	0	1,225	9	2,015	0	1,502	1,375	7,626
	Total	1,500	374	1,225	1,653	2,176	0	2,154	1,386	10,468
2018	Catch	<sup>d</sup>	441	0	274	33	<sup>d</sup>	902	0	1,650
	Escapement <sup>c</sup>	5,200	0	2,650	15	1,872	0	5,022	1,150	15,909
	Total	5,200	441	2,650	289	1,905	0	5,924	1,150	17,667
2019	Catch	0	499	0	1,387	186	<sup>d</sup>	1,799	0	3,871
	Escapement <sup>c</sup>	1,100	0	3,575	30	2,509	0	12,163	1,950	21,327
	Total	1,100	499	3,575	1,417	2,695	<sup>d</sup>	13,962	1,950	25,198
2020	Catch	0	321	0	76	43	0	699	0	1,139
	Escapement <sup>c</sup>	3,725	75	2,055	15	1,162	25	2,498	1,200	10,755
	Total	3,725	396	2,055	91	1,205	25	3,197	1,200	11,894
2021	Catch	0	230	0	760	334	83	398	0	1,805
	Escapement <sup>c</sup>	2,000	150	2,100	183	1,339	0	4,539	1,650	11,961
	Total	2,000	380	2,100	943	1,673	83	4,937	1,650	13,766
2022	Catch	0	95	0	442	8	60	282	0	887
	Escapement <sup>c</sup>	3,125	0	3,575	10	254	0	3,785	1,425	12,174
	Total	3,125	95	3,575	452	262	60	4,067	1,425	13,061
2023	Catch	0	350	<sup>d</sup>	452	1	<sup>d</sup>	316	0	1213
	Escapement <sup>c</sup>	275	0	702	2	25	0	4,078	N/A	5,082
	Total <sup>c</sup>	275	350	702	454	26	0	4,394	0	6,477
2013–2022 average										
	Catch	0	241	0	563	196	32	801	16	1,839
	Escapement	2,498	23	1,984	27	1,668	10	4,309	1,653	12,170
	Total	2,498	263	1,984	590	1,864	32	5,110	1,669	14,009

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*Note:* Catch numbers do not include test-fishery harvest or fish retained for personal use.

- <sup>a</sup> Outer Port Heiden Section was closed between 1990 and 2006.
- <sup>b</sup> Entire Nelson Lagoon watershed.
- <sup>c</sup> Escapements are estimated totals.
- <sup>d</sup> Confidentiality requirements prohibit the release of this information.
- <sup>e</sup> This total includes numbers omitted for confidentiality purposes.

Table 4.—Northern District sockeye salmon runs in number of fish, by section, 1990–2023.

		Cinder River Section	Outer Port Heiden Section <sup>a</sup>	Inner Port Heiden Section <sup>b</sup>	Ilnik Section	Three Hills Section	Bear River Section <sup>c</sup>	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen— Moller Bay Sections	Nelson Lagoon Section <sup>d</sup>	Caribou Flats & Black Hills Sections	Northern District totals
30	1990 Catch	1,246	0	9,701	753,030	189,870	876,248	1,819,148	4,250	410,417	13,265	2,258,027
	Escapement <sup>e</sup>	14,000	0	26,800	35,700	100	564,300	600,100	400	269,200	5,700	916,200
	Total	15,246	0	36,501	788,730	189,970	1,440,548	2,419,248	4,650	679,617	18,965	3,174,227
	1991 Catch	296	0	5,439	610,975	253,880	1,044,660	1,909,515	4,587	273,960	16,382	2,210,179
	Escapement <sup>e</sup>	47,400	0	26,500	135,000	200	681,200	816,400	500 <sup>g</sup>	279,200	9,000	1,179,000
	Total	47,696	0	31,939	745,975	254,080	1,725,860	2,725,915	5,087 <sup>g</sup>	553,160	25,382	3,389,179
	1992 Catch	4,472	0	8,023	740,992	959,223	1,398,253	3,098,468	5,911	378,706	878	3,496,458
	Escapement <sup>e</sup>	15,200	0	33,100	45,100	0	471,200	516,300	200	179,700	16,600	761,100
	Total	19,672	0	41,123	786,092	959,223	1,869,453	3,614,768	6,111	558,406	17,478	4,257,558
	1993 Catch	8,903	0	518	868,790	411,277	2,041,716	3,321,783	10,045	452,842	4,005	3,798,096
	Escapement <sup>e</sup>	20,000 <sup>g</sup>	0	50,000 <sup>g</sup>	70,000	300	501,900	572,200	400	267,200	10,200	920,000
	Total	28,903	0	50,518 <sup>g</sup>	938,790	411,577	2,543,616	3,893,983	10,445	720,042	14,205	4,718,096
	1994 Catch	5,197	0	633	838,945	481,600	1,089,249	2,409,794	2,244	329,212	1,202	2,748,282
	Escapement <sup>e</sup>	83,400	0	44,900	75,300	0	581,200	656,500	400	333,400	5,100	1,123,700
	Total	88,597	0	45,533	914,245	481,600	1,670,449	3,066,294	2,644	662,612	6,302	3,871,982
	1995 Catch	1,280	0	768	320,473	931,168	1,536,039	2,787,680	5,936	448,281	3,569	3,247,514
	Escapement <sup>e</sup>	47,500	0	85,600	39,000	400	430,400	469,800	2000	338,700	3,700	947,300
	Total	48,780	0	86,368	359,473	931,568	1,966,439	3,257,480	7,936	786,981	7,269	4,194,814
	1996 Catch	3,726	0	3,603	612,761	188,556	592,413	1,393,730	1,546	445,335	5,077	1,853,017
	Escapement <sup>e</sup>	60,000 <sup>g</sup>	0	60,000	62,500	0	431,100	493,600	6000	257,000	8,500	885,100
	Total	63,726	0	63,603	675,261	188,556	1,023,513	1,887,330	7,546	702,335	13,577	2,738,117
	1997 Catch	8,342	0	2,222	762,638	263,089	642,461	1,668,188	8,693	384,370	20,741	2,092,556
	Escapement <sup>e</sup>	33,000	0	40,000 <sup>g</sup>	83,000	400	398,000	481,400	900	190,100	6,100	751,500
	Total	41,342	0	42,222 <sup>g</sup>	845,638	263,489	1,040,461	2,149,588	9,593	574,470	26,841	2,844,056

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Table 4.–Page 2 of 5.

		Cinder River Section	Outer Port Heiden Section <sup>a</sup>	Inner Port Heiden Section <sup>b</sup>	Ilnik Section	Three Hills Section	Bear River Section <sup>c</sup>	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay Sections	Nelson Lagoon Section <sup>d</sup>	Caribou Flats & Black Hills Sections	Northern District totals
1998	Catch	8,321	0	249	470,560	106,856	251,327	828,743	799	161,441	36,684	1,036,237
	Escapement <sup>e</sup>	42,903	0	56,025	50,600	300	469,100	520,000	700	165,300	7,700	792,628
	Total	51,224	0	56,274	521,160	107,156	720,427	1,348,743	1,499	326,741	44,384	1,828,865
1999	Catch	19,004	0	877	617,330	200,239	557,805	1,375,374	2,397	237,293	25,324	1,660,269
	Escapement <sup>e</sup>	14,400	0	75,575	75,000	100	408,000	483,100	2500	223,300	11,300	810,175
	Total	33,404	0	76,452	692,330	200,339	965,805	1,858,474	4,897	460,593	36,624	2,470,444
2000	Catch	7,984	0	68	769,548	403,470	473,631	1,646,649	4,090	193,694	13,951	1,866,436
	Escapement <sup>e</sup>	53,200	0	183,100	95,000	0	275,000	370,000	500	182,700	8,400	797,900
	Total	61,184	0	183,168	864,548	403,470	748,631	2,016,649	4,590	376,394	22,351	2,664,336
2001	Catch	5,482	0	0	205,041	165,878	527,284	898,203	1,975	174,363	16,263	1,096,286
	Escapement <sup>e</sup>	46,239	0	111,700	59,000	300	351,000	410,300	500	207,100	8,600	784,439
	Total	51,721	0	111,700	264,041	166,178	878,284	1,308,503	2,475	381,463	24,863	1,880,725
2002	Catch	1,548	0	111	121,054	251,377	596,270	968,701	1,022	325,904	35,744	1,333,030
	Escapement <sup>e</sup>	10,790	0	38,350	43,000	650	275,000	318,650	1500	338,400	12,000	719,690
	Total	12,338	0	38,461	164,054	252,027	871,270	1,287,351	2,522	664,304	47,744	2,052,720
2003	Catch	2,775	0	0	267,495	238,674	491,857	998,026	44	373,252	40,126	1,414,223
	Escapement <sup>e</sup>	102,700	0	153,600	69,000	300	432,000	501,300	500	364,211	11,100	1,133,411
	Total	105,475	0	153,600	336,495	238,974	923,857	1,499,326	544	737,463	51,226	2,547,634
2004	Catch	0	0	0	1,115,036	63,935	611,147	1,790,118	0	527,637	17,604	2,335,359
	Escapement <sup>e</sup>	58,100	0	103,600	82,000	600	467,000	549,600	2250	515,397	17,900	1,246,847
	Total	58,100	0	103,600	1,197,036	64,535	1,078,147	2,339,718	2,250	1,043,034	35,504	3,582,206
2005	Catch	116	0	1,835	1,370,001	193,621	1,030,989	2,594,611	12	334,702	9,971	2,941,247
	Escapement <sup>e</sup>	133,500	0	111,500	154,000	5,700	655,300	815,000	500	303,000	47,500	1,411,000
	Total	133,616	0	113,335	1,524,001	199,321	1,686,289	3,409,611	512	637,702	57,471	4,352,247

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Table 4.—Page 3 of 5.

Year		Cinder River Section	Outer Port Heiden Section <sup>a</sup>	Inner Port Heiden Section <sup>b</sup>	Ilnik Section	Three Hills Section	Bear River Section <sup>c</sup>	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay Sections	Nelson Lagoon Section <sup>d</sup>	Caribou Flats & Black Hills Sections	Northern District Totals
2006	Catch	0	0	1,151	1,317,901	153,343	576,552	2,047,796	0	255,265	8,430	2,312,642
	Escapement <sup>e</sup>	141,100	0	142,610	88,000	1,800	493,000	582,800	3000	226,000	7,530	1,103,040
	Total	141,100	0	143,761	1,405,901	155,143	1,069,552	2,630,596	3,000	481,265	15,960	3,415,682
2007	Catch	0	387,786	842	1,776,430	234,930	617,402	2,628,762	206	337,556	4,273	3,359,425
	Escapement <sup>e</sup>	142,000	0	57,700	93,000	1,500	475,702	570,202	3100	187,000	16,800	976,802
	Total	142,000	387,786	58,542	1,869,430	236,430	1,093,104	3,198,964	3,306	524,556	21,073	4,336,227
2008	Catch	0	320,857	1,574	885,634	123,344	417,261	1,426,239	128	183,330	20,332	1,952,460
	Escapement <sup>e</sup>	129,800	0	91,750	44,300	2,000	353,200	399,500	1,220	178,600	44,000	844,370
	Total	129,800	320,857	93,324	929,934	125,344	770,461	1,825,739	1,348	361,930	64,332	2,796,830
2009	Catch	0	762,643	0	651,624	93,388	652,873	1,397,885	0	214,302	14,712	2,389,542
	Escapement <sup>e</sup>	133,600	0	88,200	66,000	1,600	385,500	453,100	3,000	159,500	8,000	845,400
	Total	133,600	762,643	88,200	717,624	94,988	1,038,373	1,850,985	3,000	373,802	22,712	3,234,942
2010	Catch	0	786,025	236	660,074	51,556	558,702	1,270,332	416	93,715	24,449	2,175,173
	Escapement <sup>e</sup>	108,900	0	68,000	59,000	1,100	406,500	466,600	1,300	157,000	28,500	830,300
	Total	108,900	786,025	68,236	719,074	52,656	965,202	1,736,932	1,716	250,715	52,949	3,005,473
2011	Catch	0	375,128	0	303,064	11,189	120,652	434,905	414	74,808	17,826	903,081
	Escapement <sup>e</sup>	106,000	0	94,200	43,000	1,505	377,500	422,005	800	113,000	10,200	746,205
	Total	106,000	375,128	94,200	346,064	12,694	498,152	856,910	1,214	187,808	28,026	1,649,286
2012	Catch	0	268,226	0	251,794	0	12,912	264,706	0	116,685	57,398	707,015
	Escapement <sup>e</sup>	76,620	0	47,600	61,000	100	316,700	377,800	900	137,800	23,700	664,420
	Total	76,620	268,226	47,600	312,794	100	329,612	642,506	900	254,485	81,098	1,371,435
2013	Catch	15	254,916	0	81,289	16,983	94,335	192,607	0	217,327	32,373	697,238
	Escapement <sup>e</sup>	95,500	0	66,000	51,000	2,800	458,000	511,800	2,500	263,000	9,300	948,100
	Total	95,515	254,916	66,000	132,289	19,783	552,335	704,407	2,500	480,327	41,673	1,645,338

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Table 4.—Page 4 of 5.

		Cinder River Section	Outer Port Heiden Section <sup>a</sup>	Inner Port Heiden Section <sup>b</sup>	Ilnik Section	Three Hills Section	Bear River Section <sup>c</sup>	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay Sections	Nelson Lagoon Section <sup>d</sup>	Caribou Flats & Black Hills Sections	Northern District Totals
33	2014 Catch	0	421,166	0	788,361	84,868	400,981	1,274,210	158	210,858	19,173	1,925,565
	Escapement <sup>e</sup>	105,000	0	110,200	63,000	1,900	525,002	589,902	3,000	286,000	14,400	1,108,502
	Total	105,000	421,166	110,200	851,361	86,768	925,983	1,864,112	3,158	496,858	33,573	3,034,067
	2015 Catch	0	867,350	0	460,412	522,408	495,409	1,478,229	1,256	312,894	34,342	2,696,613 <sup>h</sup>
	Escapement <sup>e</sup>	132,600	0	149,700	26,000	1,200	631,000	658,200	3,000	335,000	25,000	1,303,500
	Total	132,600	867,350	149,700	486,412	523,608	1,126,409	2,136,429	4,256	647,894	59,342	4,000,113
	2016 Catch	<sup>i</sup>	632,474	0	2,168,297	57,919	255,837	2,482,053	387	301,786	47,096	3,463,796
	Escapement <sup>e</sup>	205,700	200	117,310	124,000	3,200	607,400	734,600	26,400	363,000	23,600	1,470,810
	Total	205,700	632,674	117,310	2,292,297	61,119	863,237	3,216,653	26,787	664,786	70,696	4,887,510
	2017 Catch	<sup>i</sup>	502,531	0	2,528,527	89,133	288,927	2,906,587	<sup>i</sup>	347,562	15,822	3,772,502
	Escapement <sup>e</sup>	234,800	10	191,745	238,000	3,000	945,000	1,186,000	7,000	430,000	8,300	2,057,855
	Total	234,800	502,541	191,745	2,766,527	92,133	1,233,927	4,092,587	7,000	777,562	24,122	5,830,357
	2018 Catch	<sup>i</sup>	356,014	0	1,067,597	361,790	397,206	1,826,593	<sup>i</sup>	165,303	2,318	2,350,646 <sup>h</sup>
	Escapement <sup>e</sup>	191,300	0	138,200	81,000	1,900	592,800	675,700	6,100	261,000	10,200	1,282,500
	Total	191,300	356,014	138,200	1,148,597	363,690	990,006	2,502,293	6,100	426,303	12,518	3,633,146
	2019 Catch	0	527,343	0	1,529,368	93,776	159,481	1,782,625	<sup>i</sup>	83,879	1,318	2,395,165
	Escapement <sup>e</sup>	95,775	0	111,250	75,000	2,200	571,800	649,000	2,300	128,000	18,800	1,005,125
	Total	95,775	527,343	111,250	1,604,368	95,976	731,281	2,431,625	2,300	211,879	20,118	3,400,290
	2020 Catch	0	787,771	0	473,393	201,935	191,460	866,788	6,259	92,040	10,687	1,763,545
	Escapement <sup>e</sup>	124,000	900	67,450	41,000	2,300	560,000	670,750	1,800	221,000	10,278	1,096,178
	Total	124,000	788,671	67,450	514,393	204,235	751,460	1,537,538	8,059	313,040	20,965	2,859,723
	2021 Catch	0	427,327	0	1,746,203	276,886	246,602	2,269,691	11,842	94,921	1,440	2,805,221
	Escapement <sup>e</sup>	59,400	1,100	118,100	70,211	1,800	633,269	705,280	2,209	166,163	9,100	1,061,352
	Total	59,400	428,427	118,100	1,816,414	278,686	879,871	2,974,971	14,051	261,084	10,540	3,866,573

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Table 4.—Page 5 of 5.

Year		Cinder River Section	Outer Port Heiden Section <sup>a</sup>	Inner Port Heiden Section <sup>b</sup>	Ilnik Section	Three Hills Section	Bear River Section <sup>c</sup>	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen— Moller Bay Sections	Nelson Lagoon Section <sup>d</sup>	Caribou Flats & Black Hills Sections	Northern District Totals
2022	Catch	0	1,093,611	0	2,086,302	58,341	240,255	2,384,861	11,055	58,499	189	3,548,252
	Escapement <sup>e</sup>	120,900	0	112,900	110,500	0	561,000	671,500	2,030	109,900	12,000	1,029,230
	Total	120,900	1,093,611	112,900	2,196,802	58,341	801,255	3,056,398	13,085	168,399	12,189	4,577,482
2023	Catch	0	305,563	<sup>h</sup>	599,657	6,710	38,874	645,241	<sup>h</sup>	101,659	454	1,056,712 <sup>i</sup>
	Escapement <sup>e</sup>	59,800	1,500	79,700	109,021	600	501,086	610,707	2,800	262,713	16,300	1,033,520
	Total	59,800	307,063	79,700	708,678	7,310	539,960	1,255,948	2,800	364,372	16,754	2,086,437
2013-2022 average												
	Catch	2	587,050	0	1,292,975	176,404	277,049	1,746,428	4,422	188,507	16,476	2,546,411
	Escapement <sup>e</sup>	136,498	221	118,286	87,971	2,030	608,527	705,273	5,634	256,306	14,098	1,236,315
	Total	136,500	587,271	118,286	1,380,946	178,434	885,576	2,451,701	10,056	444,813	30,574	3,782,726

*Note:* Catch numbers do not include test-fishery harvest or fish retained for personal use.

<sup>a</sup> Outer Port Heiden Section catches occurred only between 1986 and 1989, and from 2007 onward. This section was closed between 1990 and 2006.

<sup>b</sup> Inner Port Heiden escapements include Meshik River, Red and Yellow Bluff Creeks, and minimal escapements from Birthday and Charles Creeks.

<sup>c</sup> Escapement includes all sockeye systems, mainly Bear and Sandy Rivers combined with post-weir estimates.

<sup>d</sup> Nelson Lagoon escapement includes tributaries David's and Caribou Rivers.

<sup>e</sup> Escapements are indexed totals except for Bear, Sandy, Ilnik, and Nelson Rivers, where weir and tower counts are used.

<sup>f</sup> Ilnik Section and Three Hills Section combined.

<sup>g</sup> These figures are extrapolated estimates.

<sup>h</sup> Confidentiality rules prohibit the release of this information.

<sup>i</sup> Aggregates include harvest omitted for confidentiality purposes.

Table 5.—Port Moller Bight, Bear River, Three Hills, and Ilnik Sections combined salmon harvest by species and day, 2023.

Catch date	Permits <sup>a</sup>	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
20-Jun <sup>b</sup>	75	116	87	18,540	0	0	57
21-Jun	61	64	79	11,857	0	0	75
22-Jun	11	16	13	3,545	0	0	11
23-Jun	15	22	24	6,886	0	0	56
24-Jun	39	39	24	17,953	0	0	62
25-Jun	31	32	24	13,116	0	0	103
26-Jun	62	86	51	41,000	0	0	282
27-Jun	93	126	52	51,506	0	0	961
28-Jun	70	104	34	45,338	0	0	727
29-Jun	38	38	18	19,112	0	0	44
30-Jun	78	90	26	45,704	0	4	131
1-Jul	61	66	9	42,688	0	0	86
2-Jul <sup>c</sup>	—	—	—	—	—	—	—
3-Jul <sup>c</sup>	—	—	—	—	—	—	—
4-Jul	105	118	13	78,764	0	0	337
5-Jul	65	78	9	27,966	0	1	58
6-Jul	67	67	13	36,110	0	14	184
7-Jul	70	85	15	42,507	0	6	427
8-Jul	47	48	2	15,593	0	0	26
9-Jul thru 24-Jul <sup>d</sup>	—	—	—	—	—	—	—
25-Jul	13	15	0	5,122	12	35	214
26-Jul	35	47	0	14,034	53	45	242
27-Jul	20	21	0	7,117	6	29	90
28-Jul	6	7	0	2,738	0	16	45
29-Jul	9	15	0	8,690	24	71	83
30-Jul	15	15	0	5,156	14	31	141
31-Jul	12	12	0	5,837	62	39	121
1-Aug <sup>c</sup>	—	—	—	—	—	—	—
2-Aug thru 4-Aug <sup>d</sup>	—	—	—	—	—	—	—
5-Aug	21	22	0	7,526	248	121	201
6-Aug	21	21	0	10,600	244	189	139
7-Aug	31	31	1	10,750	1,027	983	275
8-Aug	27	28	0	5,355	553	465	299
9-Aug	8	8	0	2,163	200	112	63
10-Aug	28	33	0	11,008	1,344	822	345
11-Aug	22	26	0	5,587	947	646	96
12-Aug	7	7	0	1,255	75	181	31
13-Aug	9	9	0	2,632	26	46	54

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Table 5.—Page 2 of 2.

Catch date	Permits <sup>a</sup>	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
14-Aug	19	21	0	4,790	197	83	139
15-Aug	12	12	0	3,239	94	75	55
16-Aug	7	7	0	1,709	41	33	31
17-Aug	8	9	0	2,842	45	40	104
18-Aug	14	15	1	6,944	61	77	161
19-Aug	6	6	0	1,880	40	14	50
20-Aug	5	5	0	1,924	24	15	7
21-Aug <sup>c</sup>	0	0	0	0	0	0	0
22-Aug	3	3	0	797	13	25	14
23-Aug <sup>c</sup>	0	0	0	0	0	0	0
24-Aug <sup>c</sup>	—	—	—	—	—	—	—
Total <sup>f</sup>	133	1,602	546	645,241	5,350	4,534	6,705

*Note:* Catch numbers do not include test-fishery harvest or fish retained for personal use.

<sup>a</sup> Total permits includes total number of unique permits fished.

<sup>b</sup> Harvests prior to June 20 are confidential.

<sup>c</sup> Confidential.

<sup>d</sup> Fishery closed.

<sup>e</sup> No effort.

<sup>f</sup> Aggregates include harvests omitted for confidentiality purposes.

Table 6.—North Peninsula coho salmon harvest in number of fish by district and section, 2013–2023.

Section	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2013–2022 average
Northwestern District												
Dublin Bay	0	0	0	0	0	0	0	0	0	0	0	0
Urilia Bay	0	0	0	0	19	0	0	0	316	0	0	37
Swanson Lagoon	0	0	0	0	0	0	0	0	0	0	0	0
Bechevin Bay	0	0	0	0	0	0	1,417	0	0	0	0	157
Izembek-Moffet Bay	25	6,311	599	2,379	124	9,683	3,295	731	649	97	69	2,389
Northwestern District total	25	6,311	599	2,379	143	9,683	4,712	731	965	97	69	2,565
Northern District												
Black Hills	323	808	239	689	244	0	32	859	115	0	25	331
Caribou Flats <sup>a</sup>	0	0	0	0	0	0	0	0	0	0	0	0
Nelson Lagoon	21,734	58,849	41,574	27,312	329	31,058	13,653	18,838	4,994	4,537	11	22,288
Herendeen–Moller Bay <sup>b</sup>	0	2	6	0	<sup>c</sup>	0	<sup>c</sup>	6	180	0	0	24
Bear River	2,298	9,705	7,617	3,585	957	9,605	6,847	4,795	4,927	1,693	629	5,203
Three Hills	1,162	6,526	2,157	4,715	1,434	19,974	2,590	3,912	1,635	968	300	4,507
Ilnik	1,674	22,167	4,621	34,353	3,450	33,134	13,581	18,606	12,532	403	4,403	14,452
Inner Port Heiden	0	0	0	0	0	0	0	0	0	0	0	0
Outer Port Heiden	40	8	326	5	98	1,756	1,033	429	42	12	962	375
Cinder River	<sup>c</sup>	<sup>c</sup>	0	<sup>c</sup>	<sup>c</sup>	<sup>c</sup>	0	0	0	0	0	0
Northern District total	27,231	98,065	56,540	70,659	6,512	95,527	37,736	47,445	25,390	7,613	6,330	47,272
North Peninsula total	27,256	104,376	57,139	73,038	6,655	105,210	42,448	48,176	26,355	7,710	6,417	49,836

*Note:* Catch numbers do not include test-fishery harvest or fish retained for personal use.

<sup>a</sup> Caribou Flats Section: no open season.

<sup>b</sup> Includes Port Moller Bight Section.

<sup>c</sup> Confidentiality requirements prevent the release of this information.

Table 7.—Northwestern District pink salmon runs in number of fish, 1990–2023.

Year		Dublin, Urilia, & Bechevin		
		Izembek-Moffet Bay <sup>a</sup>	Bays & Swanson Lagoon <sup>a</sup>	Northwestern District total <sup>b</sup>
1990	Catch	130	0	130
	Escapement <sup>c</sup>	400	21,800	22,200
	Total	530	21,800	22,330
1991	Catch	7	3,402	3,409
	Escapement <sup>c</sup>	0	1,200	1,200
	Total	7	4,602	4,609
1992	Catch	679	7,637	8,316
	Escapement <sup>c</sup>	600	3	603
	Total	1,279	7,640	8,919
1993	Catch	5	51	56
	Escapement <sup>c</sup>	0	700	700
	Total	5	751	756
1994	Catch	133	188,003	188,136
	Escapement <sup>c</sup>	1,000	93,700	94,700
	Total	1,133	281,703	282,836
1995	Catch	7	1,377	1,384
	Escapement <sup>c</sup>	200	5,000	5,200
	Total	207	6,377	6,584
1996	Catch	587	2,580	3,167
	Escapement <sup>c</sup>	19,200	197,400	216,600
	Total	19,787	199,980	219,767
1997	Catch	32	5,104	5,136
	Escapement <sup>c</sup>	0	4,800	4,800
	Total	32	9,904	9,936
1998	Catch	245	15,910	16,155
	Escapement <sup>c</sup>	9,000	120,500	129,500
	Total	9,245	136,410	145,655
1999	Catch	0	1,172	1,172
	Escapement <sup>c</sup>	0	14,500	14,500
	Total	0	15,672	15,672
2000	Catch	14	17,855	17,869
	Escapement <sup>c</sup>	0	35,900	35,900
	Total	14	53,755	53,769
2001	Catch	639	3,518	4,157
	Escapement <sup>c</sup>	400	6,500	6,900
	Total	1,039	10,018	11,057
2002	Catch	971	2,807	3,778
	Escapement <sup>c</sup>	1,200	10,700	11,900
	Total	2,171	13,507	15,678

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Table 7.–Page 2 of 3.

Year		Izembek-Moffet Bay <sup>a</sup>	Dublin, Urilia, & Bechevin Bays & Swanson Lagoon <sup>a</sup>	Northwestern District total <sup>b</sup>
2003	Catch	591	113	704
	Escapement <sup>c</sup>	0	800	800
	Total	591	913	1,504
2004	Catch	1,328	10,106	11,434
	Escapement <sup>c</sup>	1,000	84,300	85,300
	Total	2,328	94,406	96,734
2005	Catch	1,503	445	1,948
	Escapement <sup>c</sup>	18	8,720	8,738
	Total	1,521	9,165	10,686
2006	Catch	786	56,229	57,015
	Escapement <sup>c</sup>	12,840	116,075	128,915
	Total	13,626	172,304	185,930
2007	Catch	4,713	132,304	137,017
	Escapement <sup>c</sup>	3,850	11,900	15,750
	Total	8,563	144,204	152,767
2008	Catch	2,795	13,746	16,541
	Escapement <sup>c</sup>	0	11,900	11,900
	Total	2,795	25,646	28,441
2009	Catch	343	274,510	274,853
	Escapement <sup>c</sup>	2,400	72,000	74,400
	Total	2,743	346,510	349,253
2010	Catch	1,219	5,231	6,450
	Escapement <sup>c</sup>	1,700	13,600	15,300
	Total	2,919	18,831	21,750
2011	Catch	4,466	104,029	108,495
	Escapement <sup>c</sup>	0	2,400	2,400
	Total	4,466	106,429	110,895
2012	Catch	478	416	894
	Escapement <sup>c</sup>	3,300	7,603	10,903
	Total	3,778	8,019	11,797
2013	Catch	165	2,958	3,123
	Escapement <sup>c</sup>	3,300	3,800	7,100
	Total	3,465	6,758	10,223
2014	Catch	1,516	48	1,564
	Escapement <sup>c</sup>	5,300	2,200	7,500
	Total	6,816	2,248	9,064
2015	Catch	6,087	0	6,087
	Escapement <sup>c</sup>	29,500	136,300	165,800
	Total	35,587	136,300	171,887

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Table 7.—Page 3 of 3.

Year		Izembek-Moffet Bay <sup>a</sup>	Dublin, Urilia, & Bechevin Bays & Swanson Lagoon <sup>a</sup>	Northwestern District total <sup>b</sup>
2016	Catch	1,812	0	1,812
	Escapement <sup>c</sup>	29,500	4,750	34,250
	Total	31,312	4,750	36,062
2017	Catch	2,867	2,126	4,993
	Escapement <sup>c</sup>	62,500	249,215	311,715
	Total	65,367	251,341	316,708
2018	Catch	2,509	0	2,509
	Escapement <sup>c</sup>	8,900	2,200	11,100
	Total	11,409	2,200	13,609
2019	Catch	15,125	445,229	460,354
	Escapement <sup>c</sup>	44,700	157,500	202,200
	Total	59,825	602,729	662,554
2020	Catch	5,051	0	5,051
	Escapement <sup>c</sup>	12,100	34,600	46,700
	Total	17,151	34,600	51,751
2021	Catch	7,453	24,468	31,921
	Escapement <sup>c</sup>	13,500	55,800	69,300
	Total	20,953	80,268	101,221
2022	Catch	3,392	649	4,041
	Escapement <sup>c</sup>	5,200	26,600	31,800
	Total	8,592	27,249	35,841
2023	Catch	3,216	116	3,332
	Escapement <sup>c</sup>	4,300	26,000	30,300
	Total	7,516	26,116	33,632
2013–2021 even-year average <sup>d</sup>				
	Catch	6,339	94,956	101,296
	Escapement <sup>c</sup>	30,700	120,523	151,223
	Total	37,039	215,479	252,519

*Note:* Catch numbers do not include test-fishery harvest or fish retained for personal use. Differences in totals may occur between tables due to confidentiality requirements.

<sup>a</sup> Statistical area 311-58 was moved from the Bechevin Bay Section to the Izembek-Moffet Bay Section in 2001.

<sup>b</sup> Catch numbers include a small harvest from the Dublin Bay Section in 1983, 2006, and 2011.

<sup>c</sup> Escapements are estimated totals.

<sup>d</sup> Averages include only the even-numbered years 2013, 2015, 2017, 2019, and 2021.



Table 8.—Northern District chum salmon runs in number of fish, by section, 1990–2023.

Year		Cinder River Section	Outer Port Heiden Section	Inner Port Heiden Section	Three Hills & Ilnik Sections	Bear River Section	Port Moller Bight, Herendeen & Moller Bay Sections	Nelson Lagoon Section	Caribou Flats & Black Hills Sections	Northern District totals
1990	Catch	99	0	269	7,741	26,917	57,534	2,163	818	95,541
	Escapement <sup>a</sup>	4,000	0	7,000	200 <sup>b</sup>	1,100	101,600	1,000 <sup>b</sup>	700	115,600
	Total	4,099	0	7,269	7,941 <sup>b</sup>	28,017	159,134	3,163 <sup>b</sup>	1,518	211,141
1991	Catch	219	0	445	20,807	72,786	23,554	7,374	3,353	128,538
	Escapement <sup>a</sup>	4,500	0	13,400	0	2,400 <sup>b</sup>	55,000	5,000 <sup>b</sup>	1,200	81,500
	Total	4,719	0	13,845	20,807	75,186 <sup>b</sup>	78,554	12,374 <sup>b</sup>	4,553	210,038
1992	Catch	355	0	1,183	29,345	62,229	135,874	7,738	160	236,884
	Escapement <sup>a</sup>	5,000	0	22,100	300	500	89,700	16,200	2,600	136,400
	Total	5,355	0	23,283	29,645	62,729	225,574	23,938	2,760	373,284
1993	Catch	162	0	58	2,400	30,528	47,569	4,533	1,313	86,563
	Escapement <sup>a</sup>	4,000 <sup>b</sup>	0	11,000 <sup>b</sup>	400 <sup>b</sup>	5,700	156,700	4,400	1,200	183,400
	Total	4,162 <sup>b</sup>	0	11,058 <sup>b</sup>	2,800 <sup>b</sup>	36,228	204,269	8,933	2,513	269,963
1994	Catch	43	0	257	12,473	25,834	852	3,984	215	43,658
	Escapement <sup>a</sup>	24,400	0	30,000	300 <sup>b</sup>	4,000	163,600	5,500	3,000	230,800
	Total	24,443	0	30,257	12,773 <sup>b</sup>	29,834	164,452	9,484	3,215	274,458
1995	Catch	50	0	109	28,154	36,937	2,498	4,583	257	72,588
	Escapement <sup>a</sup>	13,900	0	91,800	1,100	2,200	230,600	5,200	3,000	347,800
	Total	13,950	0	91,909	29,254	39,137	233,098	9,783	3,257	420,388
1996	Catch	19	0	517	17,061	34,844	546	6,296	942	60,225
	Escapement <sup>a</sup>	25,000 <sup>b</sup>	0	50,000 <sup>b</sup>	0	4,000	353,200	3,600	600	436,400
	Total	25,019 <sup>b</sup>	0	50,517 <sup>b</sup>	17,061	38,844	353,746	9,896	1,542	496,625
1997	Catch	72	0	5	9,224	31,212	4,454	3,828	2,374	51,169
	Escapement <sup>a</sup>	30,500	0	61,000 <sup>b</sup>	500	5,000	60,200	1,100	2,700	161,000
	Total	30,572	0	61,005 <sup>b</sup>	9,724	36,212	64,654	4,928	5,074	212,169
1998	Catch	993	0	24	5,781	11,731	260	9,085	9,613	37,487
	Escapement <sup>a</sup>	55,000	0	35,900	4,300	24,500	250,800	9,000	900	380,400
	Total	55,993	0	35,924	10,081	36,231	251,060	18,085	10,513	417,887

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Table 8.—Page 2 of 5.

Year		Cinder River Section	Outer Port Heiden Section	Inner Port Heiden Section	Three Hills & Ilnik Sections	Bear River Section	Port Moller Bight, Herendeen & Moller Bay Sections	Nelson Lagoon Section	Caribou Flats & Black Hills Sections	Northern District totals
1999	Catch	19	0	0	11,052	12,493	166	5,093	13,397	42,220
	Escapement <sup>a</sup>	4,900	0	32,000	1,000	5,300	251,600	4,000	700	299,500
	Total	4,919	0	32,000	12,052	17,793	251,766	9,093	14,097	341,720
2000	Catch	0	0	0	37,619	16,533	55	5,255	3,625	63,087
	Escapement <sup>a</sup>	17,800	0	42,100	2,400	7,600	252,000	15,000	2,000	338,900
	Total	17,800	0	42,100	40,019	24,133	252,055	20,255	5,625	401,987
2001	Catch	9	0	0	17,887	16,486	13,518	5,343	8,054	61,297
	Escapement <sup>a</sup>	5,600	0	38,000	2,400	8,000	203,200	26,000	2,700	285,900
	Total	5,609	0	38,000	20,287	24,486	216,718	31,343	10,754	347,197
2002	Catch	0	0	104	6,564	13,452	110	6,849	2,122	29,201
	Escapement <sup>a</sup>	1,000	0	12,800	2,800	9,000	217,500	13,400	6,300	262,800
	Total	1,000	0	12,904	9,364	22,452	217,610	20,249	8,422	292,001
2003	Catch	0	0	0	5,870	5,898	1	7,320	3,089	22,178
	Escapement <sup>a</sup>	7,310	0	33,550	3,100	6,400	153,100	8,300	2,900	214,660
	Total	7,310	0	33,550	8,970	12,298	153,101	15,620	5,989	236,838
2004	Catch	0	0	0	2,278	2,727	0	2,810	665	8,480
	Escapement <sup>a</sup>	1,000	0	44,200	3,400	6,200	72,850	8,700	3,000	139,350
	Total	1,000	0	44,200	5,678	8,927	72,850	11,510	3,665	147,830
2005	Catch	0	0	0	1,602	3,272	0	3,770	271	8,915
	Escapement <sup>a</sup>	0	0	22,000	3,809	10,117	27,000	20,049	20,700	103,675
	Total	0	0	22,000	5,411	13,389	27,000	23,819	20,971	112,590
2006	Catch	0	0	2	46,021	31,780	5,059	7,702	1,766	92,330
	Escapement <sup>a</sup>	33,800	0	124,500	4,103	15,120	188,250	15,100	1,710	382,583
	Total	33,800	0	124,502	50,124	46,900	193,309	22,802	3,476	474,913
2007	Catch	0	7,560	0	38,752	29,508	0	8,123	1,060	85,003
	Escapement <sup>a</sup>	30,500	0	21,200	2,100	9,100	179,150	384	900	243,334
	Total	30,500	7,560	21,200	40,852	38,608	179,150	8,507	1,960	328,337

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Table 8.–Page 3 of 5.

Year		Cinder River Section	Outer Port Heiden Section	Inner Port Heiden Section	Three Hills & Ilnik Sections	Bear River Section	Port Moller Bight, Herendeen & Moller Bay Sections	Nelson Lagoon Section	Caribou Flats & Black Hills Sections	Northern District totals
2008	Catch	0	2,594	0	6,537	3,201	40,722	3,321	16,849	73,224
	Escapement <sup>a</sup>	23,200	0	30,300	7,801	6,187	155,810	3,139	2,100	228,537
	Total	23,200	2,594	30,300	14,338	9,388	196,532	6,460	18,949	301,76
2009	Catch	0	11,261	0	15,081	18,189	0	4,127	3,167	51,825
	Escapement <sup>a</sup>	11,300	1,200	15,600	4,200	2,132	112,400	499	6,800	154,131
	Total	11,300	12,460	15,600	19,281	20,321	112,400	4,626	9,967	205,956
2010	Catch	0	6,313	0	19,078	35,812	45,136	4,931	8,723	119,993
	Escapement <sup>a</sup>	3,500	1,200	9,600	1,900	910	108,600	12,000	7,600	145,310
	Total	3,500	7,513	9,600	20,978	36,722	153,736	16,931	16,323	265,303
2011	Catch	0	8,408	0	11,507	7,606	14,714	2,011	20,138	64,384
	Escapement <sup>a</sup>	15,000	1,300	11,350	3,700	2,133	58,200	2,369	2,900	96,952
	Total	15,000	9,708	11,350	15,207	9,739	72,914	4,380	23,038	161,336
2012	Catch	0	6,334	0	8,444	743	11	5,961	73,941	95,434
	Escapement <sup>a</sup>	3,000	2,700	2,100	1,100	6,618	110,700	6,000	8,200	140,418
	Total	3,000	9,034	2,100	9,544	7,361	110,711	11,961	82,141	235,852
2013	Catch	<sup>c</sup>	11,849	0	2,053	1,527	<sup>c</sup>	7,210	21,185	44,557 <sup>d</sup>
	Escapement <sup>a</sup>	18,200	2,300	32,100	1,800	7,095	43,600	11,136	21,020	137,251
	Total <sup>d</sup>	18,200	14,149	32,100	3,853	8,622	43,600	18,346	42,205	181,808
2014	Catch	<sup>c</sup>	2,390	0	5,778	10,809	982	6,052	7,510	33,521
	Escapement <sup>a</sup>	8,100	0	20,825	2,810	14,251	111,400	15,000	19,200	191,586
	Total	8,100	2,390	20,825	8,588	25,060	112,382	21,052	26,710	225,107
2015	Catch	0	1,297	0	7,104	8,075	85	3,436	16,577	36,574
	Escapement <sup>a</sup>	14,200	5,500	32,100	4,200	6,644	100,850	11,000	14,700	189,194
	Total	14,200	6,797	32,100	11,304	14,719	100,935	14,436	31,277	225,768
2016	Catch	<sup>c</sup>	560	0	4,055	4,890	<sup>c</sup>	6,967	2,484	18,991 <sup>d</sup>
	Escapement <sup>a</sup>	94,900	2,800	28,200	6,600	22,200	98,300	8,474	16,200	277,674
	Total <sup>d</sup>	94,900	3,360	28,200	10,655	27,090	98,300	15,441	18,684	296,665

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Table 8.–Page 4 of 5.

Year		Cinder River Section	Outer Port Heiden Section	Inner Port Heiden Section	Three Hills & Ilnik Sections	Bear River Section	Port Moller Bight, Herendeen & Moller Bay Sections	Nelson Lagoon Section	Caribou Flats & Black Hills Sections	Northern District totals
2017	Catch	<sup>c</sup>	582	0	6,856	6,489	<sup>c</sup>	7,674	2,966	24,567
	Escapement <sup>a</sup>	48,900	2,200	64,200	4,500	9,872	71,400	2,568	30,800	234,440
	Total	48,900	2,782	64,200	11,356	16,361	71,400	10,242	33,766	259,007
2018	Catch	<sup>c</sup>	12,372	0	24,518	10,380	<sup>c</sup>	2,458	1,101	51,644
	Escapement <sup>a</sup>	79,000	900	50,620	3,908	9,139	85,030	912	6,600	236,109
	Total	79,000	13,272	50,620	28,426	19,519	85,030	3,370	7,701	287,753
2019	Catch	0	5,186	0	23,704	14,718	<sup>c</sup>	1,178	486	45,272
	Escapement <sup>a</sup>	18,875	115	24,800	2,505	4,985	95,050	1,067	61,000	208,397
	Total	18,875	5,301	24,800	26,209	19,703	95,050	2,245	61,486	253,669
2020	Catch	0	2,399	0	4,944	1,551	<sup>c</sup>	34	1,334	10,262
	Escapement <sup>a</sup>	9,800	2,200	61,050	5,700	5,871	68,350	44	5,800	158,815
	Total	9,800	4,599	61,050	10,644	7,422	68,350	78	7,134	169,077
2021	Catch	0	894	0	3,896	1,363	19	544	535	7,251
	Escapement <sup>a</sup>	3,750	250	21,100	5,300	5,063	35,500	593	23,300	94,856
	Total	3,750	1,144	21,100	9,196	6,426	35,519	1,137	23,835	102,107
2022	Catch	0	598	0	2,424	1,535	102	77	2	4,738
	Escapement <sup>a</sup>	18,450	0	44,350	300	4,246	60,600	6,036	29,700	163,882
	Total	18,450	598	44,350	2,724	5,781	60,702	6,613	29,702	168,920
2023	Catch	0	7,380	<sup>c</sup>	5,228	1,011	<sup>c</sup>	0	283	14,372 <sup>d</sup>
	Escapement <sup>a</sup>	11,600	500	17,300	N/A	12,005	104,200	143	7,000	152,748
	Total	11,600	7,880	17,300	5,228	13,016	104,200	143	7,283	167,120
2013–2022 average										
	Catch	0	3,813	0	8,533	6,134	297	3,563	5,418	29,679
	Escapement <sup>a</sup>	31,418	1,627	37,935	3,762	8,937	77,028	5,683	22,832	189,220
	Total	31,418	5,439	37,935	12,296	15,070	77,147	9,246	28,250	216,958

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

<sup>a</sup> Escapements are estimated totals.

<sup>b</sup> These figures are extrapolated estimates.

<sup>c</sup> Confidentiality requirements prohibit the release of this information.

<sup>d</sup> Totals include information not provided due to confidentiality requirements.

Table 9.—Northwestern District chum salmon runs in number of fish, by section, 1990–2023.

Year		Izembek-Moffet Bay Section <sup>a</sup>	Dublin, Bechevin, & Urilia Bays & Swanson Lagoon <sup>a,b</sup>	Northwestern District total
1990	Catch	23,983	6,589	30,572
	Escapement <sup>c</sup>	92,500	18,400	110,900
	Total	116,483	24,989	141,472
1991	Catch	51,521	11,219	62,740
	Escapement <sup>c</sup>	172,400	49,400	221,800
	Total	223,921	60,619	284,540
1992	Catch	61,671	43,061	104,732
	Escapement <sup>c</sup>	182,200	33,100	215,300
	Total	243,871	76,161	320,032
1993	Catch	23,536	24,858	48,394
	Escapement <sup>c</sup>	172,900	46,100	219,000
	Total	196,436	70,958	267,394
1994	Catch	7,010	33,229	40,239
	Escapement <sup>c</sup>	140,500	108,900	249,400
	Total	147,510	142,129	289,639
1995	Catch	9,078	17,627	26,705
	Escapement <sup>c</sup>	88,300	320,000	408,300
	Total	97,378	337,627	435,005
1996	Catch	1,996	5,735	7,731
	Escapement <sup>c</sup>	278,200	108,500	386,700
	Total	280,196	114,235	394,431
1997	Catch	25,186	21,025	46,211
	Escapement <sup>c</sup>	179,500	47,700	227,200
	Total	204,686	68,725	273,411
1998	Catch	13,242	18,787	32,029
	Escapement <sup>c</sup>	281,800	67,300	349,100
	Total	295,042	86,087	381,129
1999	Catch	0	7,900	7,900
	Escapement <sup>c</sup>	310,200	56,600	366,800
	Total	310,200	64,500	374,700
2000	Catch	3,631	26,978	30,609
	Escapement <sup>c</sup>	196,800	52,400	249,200
	Total	200,431	79,378	279,809
2001	Catch	74,419	38,807	113,226
	Escapement <sup>c</sup>	340,800	66,000	406,800
	Total	415,219	104,807	520,026
2002	Catch	13,793	8,046	21,839
	Escapement <sup>c</sup>	367,000	50,100	417,100
	Total	380,793	58,146	438,939

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Table 9.–Page 2 of 3.

Year		Izembek–Moffet Bay Section <sup>a</sup>	Dublin, Bechevin, & Uria Bays & Swanson Lagoon <sup>a,b</sup>	Northwestern District total
2003	Catch	9,868	6,709	16,577
	Escapement <sup>c</sup>	199,200	36,800	236,000
	Total	209,068	43,509	252,577
2004	Catch	5,353	1,125	6,478
	Escapement <sup>c</sup>	252,200	43,400	295,600
	Total	257,553	44,525	302,078
2005	Catch	27,810	5,807	33,617
	Escapement <sup>c</sup>	131,365	61,600	192,965
	Total	159,175	67,407	226,582
2006	Catch	27,414	11,974	39,388
	Escapement <sup>c</sup>	131,860	61,600	193,460
	Total	159,274	73,574	232,848
2007	Catch	68,310	27,696	96,006
	Escapement <sup>c</sup>	249,500	85,950	335,450
	Total	317,810	113,646	431,456
2008	Catch	79,229	24,911	104,140
	Escapement <sup>c</sup>	182,900	58,850	241,750
	Total	262,129	83,761	345,890
2009	Catch	17,155	37,014	54,169
	Escapement <sup>c</sup>	42,440	42,020	84,460
	Total	59,595	79,034	138,629
2008	Catch	79,229	24,911	104,140
	Escapement <sup>c</sup>	182,900	58,850	241,750
	Total	262,129	83,761	345,890
2009	Catch	17,155	37,014	54,169
	Escapement <sup>c</sup>	42,440	42,020	84,460
	Total	59,595	79,034	138,629
2010	Catch	125,382	13,688	139,070
	Escapement <sup>c</sup>	113,900	30,200	144,100
	Total	239,282	43,888	283,170
2011	Catch	142,660	86,738	229,398
	Escapement <sup>c</sup>	127,200	24,200	151,400
	Total	269,860	110,938	380,798
2012	Catch	177,270	10,331	187,601
	Escapement <sup>c</sup>	100,150	39,850	140,000
	Total	277,420	50,181	327,601
2013	Catch	77,037	9,345	86,382
	Escapement <sup>c</sup>	51,100	41,700	92,800
	Total	128,137	51,045	179,182

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Table 9.–Page 3 of 3.

Year		Izembek–Moffet Bay Section <sup>a</sup>	Dublin, Bechevin, & Uria Bays & Swanson Lagoon <sup>a,b</sup>	Northwestern District total
2014	Catch	95,290	24	95,314
	Escapement <sup>c</sup>	42,175	12,350	54,525
	Total	137,465	12,374	149,839
2015	Catch	155,102	0	155,102
	Escapement <sup>c</sup>	60,800	29,000	89,800
	Total	215,902	29,000	244,902
2016	Catch	69,903	0	69,903
	Escapement <sup>c</sup>	74,000	39,250	113,250
	Total	143,903	39,250	183,153
2017	Catch	56,771	892	57,663
	Escapement <sup>c</sup>	104,800	90,900	195,700
	Total	161,571	91,792	253,363
2018	Catch	105,705	0	105,705
	Escapement <sup>c</sup>	99,905	19,855	119,760
	Total	205,610	19,855	225,465
2019	Catch	131,357	54,515	185,872
	Escapement <sup>c</sup>	132,100	4,600	136,700
	Total	263,457	59,115	322,572
2020	Catch	43,128	0	43,128
	Escapement <sup>c</sup>	32,100	30,000	62,100
	Total	75,228	30,000	105,228
2021	Catch	9,957	9,070	19,027
	Escapement <sup>c</sup>	17,100	50,950	68,050
	Total	27,057	60,020	87,077
2022	Catch	9,316	41	9,357
	Escapement <sup>c</sup>	32,000	18,900	50,900
	Total	41,316	18,941	60,257
2023	Catch	76,735	65	76,800
	Escapement <sup>c</sup>	51,000	30,900	81,900
	Total	127,735	30,965	158,700
2013–2022 average				
	Catch	75,357	7,389	82,745
	Escapement <sup>c</sup>	64,608	37,441	102,049
	Total	158,788	51,431	210,218

Note: Catch numbers do not include test-fishery harvest or fish retained for personal use. Differences in totals may occur between tables due to confidentiality requirements.

<sup>a</sup> Statistical area 311-58 was moved from the Bechevin Bay Section to the Izembek–Moffet Bay Section in 2001.

<sup>b</sup> Catch numbers include a small harvest from the Dublin Bay Section in 1983, 2006, and 2011.

<sup>c</sup> Escapements are rounded indexed totals.



Table 10.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Nelson River weir, 2023.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
14-Jun	1	0	0	0	1	0	0	0
15-Jun	0	0	0	0	1	0	0	0
16-Jun	0	0	0	0	1	0	0	0
17-Jun	1	0	0	0	2	0	0	0
18-Jun	5	0	0	0	7	0	0	0
19-Jun	41	0	0	0	48	0	0	0
20-Jun	56	0	0	0	104	0	0	0
21-Jun	90	0	0	0	194	0	0	0
22-Jun	84	0	0	0	278	0	0	0
24-Jun	21	0	0	0	360	0	0	0
25-Jun	94	0	0	0	454	0	0	0
26-Jun	105	0	0	0	559	0	0	0
27-Jun	129	0	0	0	688	0	0	0
28-Jun	185	0	0	0	873	0	0	0
29-Jun	114	0	0	0	987	0	0	0
30-Jun	203	0	0	0	1,190	0	0	0
1-Jul	98	0	0	0	1,288	0	0	0
2-Jul	80	0	0	0	1,368	0	0	0
3-Jul	74	0	0	0	1,442	0	0	0
4-Jul	90	0	0	0	1,532	0	0	0
6-Jul	278	0	0	0	1,864	0	0	0
7-Jul	447	0	0	0	2,311	0	0	0
8-Jul	183	0	2	0	2,494	0	2	0
9-Jul	51	0	1	0	2,545	0	3	0
10-Jul	497	0	1	0	3,042	0	4	0
11-Jul	86	0	0	0	3,128	0	4	0
12-Jul	75	2	3	0	3,203	2	7	0
13-Jul	70	0	1	0	3,273	2	8	0
14-Jul	102	5	0	0	3,375	7	8	0
15-Jul	18	6	1	0	3,393	13	9	0
16-Jul	30	5	5	0	3,423	18	14	0
17-Jul	22	7	1	0	3,445	25	15	0
18-Jul	42	24	4	0	3,487	49	19	0
19-Jul	18	22	2	0	3,505	71	21	0
20-Jul	148	22	26	0	3,653	93	47	0
21-Jul	104	22	0	0	3,757	115	47	0
22-Jul	142	30	6	0	3,899	145	53	0
23-Jul	88	53	28	0	3,987	198	81	0
25-Jul	42	27	21	0	4,055	250	117	0
26-Jul	23	14	26	0	4,078	264	143	0

Table 11.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Bear River weir, 2023.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
6-Jun	1	0	0	0	1	0	0	0
7-Jun	0	0	0	0	1	0	0	0
8-Jun	0	0	0	0	1	0	0	0
9-Jun	0	0	0	0	1	0	0	0
10-Jun	0	0	0	0	1	0	0	0
11-Jun	0	0	0	0	1	0	0	0
12-Jun	0	0	0	0	1	0	0	0
13-Jun	0	0	0	0	1	0	0	0
14-Jun	0	0	0	0	1	0	0	0
15-Jun	0	0	0	0	1	0	0	0
16-Jun	0	0	0	0	1	0	0	0
17-Jun	0	0	0	0	1	0	0	0
18-Jun	0	0	0	0	1	0	0	0
19-Jun	0	0	0	0	1	0	0	0
20-Jun	0	0	0	0	1	0	0	0
21-Jun	0	1	0	0	1	1	0	0
22-Jun	0	0	0	0	1	1	0	0
24-Jun	0	0	0	0	1	1	0	0
25-Jun	0	0	0	0	1	1	0	0
26-Jun	0	3	0	0	1	4	0	0
27-Jun	0	4	0	0	1	8	0	0
28-Jun	0	0	0	0	1	8	0	0
29-Jun	0	3	0	0	1	11	0	0
30-Jun	0	0	0	0	1	11	0	0
1-Jul	0	0	0	0	1	11	0	0
2-Jul	1	0	0	0	2	11	0	0
3-Jul	1	0	0	0	3	11	0	0
4-Jul	0	0	0	0	3	11	0	0
5-Jul	0	1	0	0	3	12	0	0
6-Jul	0	1	0	0	3	13	0	0
7-Jul	0	1	0	0	3	14	0	0
8-Jul	0	0	0	0	3	14	0	0
9-Jul	0	1	0	0	3	15	0	0
10-Jul	0	1	0	0	3	16	0	0
11-Jul	0	1	0	0	3	17	0	0
12-Jul	0	0	0	0	3	17	0	0
13-Jul	0	3	0	0	3	20	0	0
14-Jul	0	2	0	0	3	22	0	0

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Table 11.–Page 2 of 2.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
20-Jul	0	11	0	0	4	63	0	0
21-Jul	0	9	0	0	4	72	0	0
22-Jul	0	1	0	0	4	73	0	0
23-Jul	0	14	0	0	4	87	0	0
24-Jul	0	23	0	0	4	110	0	0
25-Jul	0	6	0	0	4	116	0	0
26-Jul	0	3	0	0	4	119	0	0
27-Jul	0	8	0	0	4	127	0	0
28-Jul	0	5	0	0	4	132	0	0
29-Jul	0	1	0	0	4	133	0	0
31-Jul	0	5	0	0	4	138	0	0
1-Aug	0	0	0	0	4	138	0	0
2-Aug	0	0	0	0	4	138	0	0
3-Aug	0	1	0	0	4	139	0	0
4-Aug	0	1	0	0	4	140	0	0
5-Aug	0	0	0	0	4	140	0	0
6-Aug	0	3	0	0	4	143	0	0
7-Aug	0	0	0	0	4	143	0	0
8-Aug	0	3	0	0	4	146	0	0
9-Aug	0	0	0	0	4	146	0	0
10-Aug	0	1	0	0	4	147	0	0
11-Aug	0	0	0	0	4	147	0	0
12-Aug	0	4	2	0	4	151	2	0
13-Aug	0	4	0	0	4	155	2	0
14-Aug	0	1	0	0	4	156	2	0
15-Aug	0	0	1	0	4	156	3	0
16-Aug	0	0	1	0	4	156	4	0
17-Aug	0	7	0	0	4	163	4	0
18-Aug	0	6	0	0	4	169	4	0
19-Aug	0	6	0	0	4	175	4	0
20-Aug	0	9	0	0	4	184	4	0
21-Aug	0	4	0	0	4	188	4	0

Table 12.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Sandy River weir, 2023.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
26-Jun	1	0	0	0	1	0	0	0
27-Jun	0	0	0	0	1	0	0	0
28-Jun	0	0	0	0	1	0	0	0
29-Jun	0	0	0	0	1	0	0	0
30-Jun	0	0	0	0	1	0	0	0
1-Jul	0	0	0	0	1	0	0	0
2-Jul	0	0	0	0	1	0	0	0
3-Jul	1	0	0	0	2	0	0	0
4-Jul	0	0	0	0	2	0	0	0
5-Jul	0	0	0	0	2	0	0	0
6-Jul	2	0	0	0	4	0	0	0
7-Jul	0	0	0	0	4	0	0	0
8-Jul	1	1	0	0	5	1	0	0
9-Jul	0	0	0	0	5	1	0	0
10-Jul	0	0	0	0	5	1	0	0
11-Jul	1	3	0	0	6	4	0	0
12-Jul	1	1	0	0	7	5	0	0
13-Jul	5	7	0	0	12	12	0	0
14-Jul	2	22	0	0	14	34	0	0
15-Jul	1	11	0	0	15	45	0	0
16-Jul	0	2	1	0	15	47	1	0
17-Jul	2	7	0	0	17	54	1	0
19-Jul	3	31	0	0	20	99	1	0
20-Jul	1	7	0	0	21	106	1	0
21-Jul	0	0	0	0	21	106	1	0

Table 13.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Ilnik River weir, 2023.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
15-Jun	1	1	0	0	1	1	0	0
16-Jun	0	0	0	0	1	1	0	0
17-Jun	0	0	0	0	1	1	0	0
18-Jun	0	0	0	0	1	1	0	0
19-Jun	0	0	0	0	1	1	0	0
20-Jun	0	0	0	0	1	1	0	0
21-Jun	0	0	0	0	1	1	0	0
22-Jun	0	0	0	0	1	1	0	0
23-Jun	0	0	0	0	1	1	0	0
24-Jun	0	0	0	0	1	1	0	0
25-Jun	0	0	0	0	1	1	0	0
26-Jun	0	0	0	0	1	1	0	0
27-Jun	0	0	0	0	1	1	0	0
28-Jun	0	0	0	0	1	1	0	0
29-Jun	0	0	0	0	1	1	0	0
30-Jun	0	0	0	0	1	1	0	0
1-Jul	0	0	0	0	1	1	0	0
2-Jul	0	0	0	0	1	1	0	0
3-Jul	0	2	0	0	1	3	0	0
4-Jul	1	2	0	0	2	5	0	0
5-Jul	0	0	0	0	2	5	0	0
6-Jul	0	0	0	0	2	5	0	0
7-Jul	0	0	0	0	2	5	0	0
8-Jul	0	0	0	0	2	5	0	0
9-Jul	0	0	0	0	2	5	0	0
10-Jul	0	0	0	0	2	5	0	0
11-Jul	0	0	0	0	2	5	0	0
12-Jul	0	0	0	0	2	5	0	0
13-Jul	0	20	0	0	2	25	0	0
14-Jul	0	8	0	0	2	33	0	0
15-Jul	0	12	0	0	2	45	0	0
16-Jul	0	14	0	0	2	59	0	0
17-Jul	0	5	0	0	2	64	0	0
18-Jul	0	4	0	0	2	68	0	0

Table 14.—Historical North Alaska Peninsula sockeye salmon escapements and escapement goals, 1989–2023.

Year	Nelson River		Bear River		Sandy River		Ilnik River		Meshik River		Cinder River	
	Escapement <sup>a,b</sup>	Goal	Escapement <sup>b</sup>	Goal	Escapement <sup>b</sup>	Goal	Escapement <sup>b,c</sup>	Goal	Escapement <sup>d,e</sup>	Goal	Escapement <sup>d,f</sup>	Goal
1989	193,300		451,000						10,520		3,950	
1990	240,700		546,800						26,830		11,850	
1991	268,400		606,000				135,000		26,400		47,400	
1992	162,300		450,000				45,000		33,100		12,500	
1993	207,200		452,000				70,000		50,000		20,000	
1994	325,300		465,000		115,000		75,000		44,900		83,400	
1995	329,400		305,000		125,000		39,000		85,610		47,500	
1996	250,500	100k to 150k	367,000	200k to 250k	64,000		62,000		60,000		60,000	
1997	183,100		360,000		38,000		82,000		40,000	10k to 20k	33,000	6k to 12k
1998	159,800		415,000		52,000		50,000		56,025		42,903	
1999	202,067		350,000		58,000		75,000		75,575		14,400	
2000	182,700		275,000		40,000	40k to 60k	95,000		183,100		53,200	
2001	201,962		300,000		51,000		58,000		111,700		46,239	
2002	315,693		275,000		49,000		43,000		37,650		10,790	
2003	343,511		366,000		66,000		69,000		153,600		102,700	
2004	480,097	97k to 219k	435,000	293k to 488k	32,000		82,000		103,600		58,100	
2005	303,000		554,000		101,000		154,000	40k to 60k	109,500		133,500	
2006	215,000		445,000		48,000		88,000		140,510		118,100	
2007	180,000		431,000		44,700	34k to 74k	93,000		57,600	20k to 60k	142,000	12k to 48k
2008	141,600		321,000		32,200		44,300		89,750		129,800	
2009	157,000		349,500		36,000		66,000		88,200	25k to 100k	133,600	
2010	108,000		369,500		37,000		59,000		67,700		108,900	
2011	89,000		340,000		37,500		43,000		94,200		106,000	
2012	103,300		289,600		27,100		61,000		47,600		76,620	
2013	248,000		416,000		42,000		51,000		65,600		95,500	
2014	250,000		466,000		59,000		59,000		95,500		105,000	
2015	257,000		515,000		116,000		26,000		149,500		132,600	
2016	300,000		433,000		170,000		124,000		116,310	48k to 86k	205,700	36k to 94k
2017	381,000		800,000		145,000		238,000		191,725		234,800	
2018	221,000		557,000		35,000		81,000		134,100		191,300	
2019	115,000		500,000		71,000		75,000		107,200		95,775	
2020	185,000		500,000		60,000		41,000		64,550		124,000	
2021	110,163		580,612		52,657		70,211		117,500		59,400	
2022	98,000		517,000		44,000		110,500		112,700		120,900	
2023	250,213		452,329		48,757	37k to 69k	109,021	40k to 75k	79,100		59,800	
2013-2022 average	216,516		528,461		79,466		87,571		115,469		136,498	

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- <sup>a</sup> Does not include David's or Caribou Rivers.
- <sup>b</sup> Escapement is based on weir counts and post-weir escapement estimates. Only those years when weirs were present are included in the table.
- <sup>c</sup> During the years 2005–2010, 2012–2013, 2016, and 2022–2023, the Ocean River did not flow into Ilnik Lagoon. For those years, Ocean River escapements have been added to the Ilnik River weir count. In 2016 the Ocean River escapement was 30,000 fish.
- <sup>d</sup> Escapements are estimates based on aerial surveys.
- <sup>e</sup> Meshik River escapement includes Red and Yellow Bluff Creeks (tributaries).
- <sup>f</sup> Cinder River escapement includes Mud Creek (a tributary).

Table 15.—Sockeye salmon daily and cumulative escapement counts through the Nelson River weir, 2023.

Date	Daily			Daily percent		Cumulative			Cumulative percent	
	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	Adults	Jacks
10-Jun	0	0	0	0.0%	0.0%	0	0	0	0.0%	0.0%
11-Jun	29	0	29	100.0%	0.0%	29	0	29	100.0%	0.0%
12-Jun	153	4	157	97.5%	2.5%	182	4	186	97.8%	2.2%
13-Jun	79	5	84	94.0%	6.0%	261	9	270	96.7%	3.3%
14-Jun	83	6	89	93.3%	6.7%	344	15	359	95.8%	4.2%
15-Jun	170	9	179	95.0%	5.0%	514	24	538	95.5%	4.5%
16-Jun	159	19	178	89.3%	10.7%	673	43	716	94.0%	6.0%
17-Jun	72	2	74	97.3%	2.7%	745	45	790	94.3%	5.7%
18-Jun	1,141	76	1,217	93.8%	6.2%	1,886	121	2,007	94.0%	6.0%
19-Jun	3,452	128	3,580	96.4%	3.6%	5,338	249	5,587	95.5%	4.5%
20-Jun	3,548	183	3,731	95.1%	4.9%	8,886	432	9,318	95.4%	4.6%
21-Jun	2,104	287	2,391	88.0%	12.0%	10,990	719	11,709	93.9%	6.1%
22-Jun	1,953	248	2,201	88.7%	11.3%	12,943	967	13,910	93.0%	7.0%
23-Jun	1,428	233	1,661	86.0%	14.0%	14,371	1,200	15,571	92.3%	7.7%
24-Jun	848	104	952	89.1%	10.9%	15,219	1,304	16,523	92.1%	7.9%
25-Jun	3,014	232	3,246	92.9%	7.1%	18,233	1,536	19,769	92.2%	7.8%
26-Jun	2,519	308	2,827	89.1%	10.9%	20,752	1,844	22,596	91.8%	8.2%
27-Jun	3,205	467	3,672	87.3%	12.7%	23,957	2,311	26,268	91.2%	8.8%
28-Jun	4,226	490	4,716	89.6%	10.4%	28,183	2,801	30,984	91.0%	9.0%
29-Jun	6,533	669	7,202	90.7%	9.3%	34,716	3,470	38,186	90.9%	9.1%
30-Jun	4,600	738	5,338	86.2%	13.8%	39,316	4,208	43,524	90.3%	9.7%
1-Jul	2,974	494	3,468	85.8%	14.2%	42,290	4,702	46,992	90.0%	10.0%
2-Jul	5,237	579	5,816	90.0%	10.0%	47,527	5,281	52,808	90.0%	10.0%
3-Jul	4,240	442	4,682	90.6%	9.4%	51,767	5,723	57,490	90.0%	10.0%
4-Jul	9,056	996	10,052	90.1%	9.9%	60,823	6,719	67,542	90.1%	9.9%
5-Jul	7,543	1,109	8,652	87.2%	12.8%	68,366	7,828	76,194	89.7%	10.3%
6-Jul	7,491	837	8,328	89.9%	10.1%	75,857	8,665	84,522	89.7%	10.3%
7-Jul	8,441	976	9,417	89.6%	10.4%	84,298	9,641	93,939	89.7%	10.3%
8-Jul	8,844	1,674	10,518	84.1%	15.9%	93,142	11,315	104,457	89.2%	10.8%
9-Jul	7,940	1,029	8,969	88.5%	11.5%	101,082	12,344	113,426	89.1%	10.9%

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Date	Daily			Daily Percent		Cumulative			Cumulative Percent	
	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	Adults	Jacks
10-Jul	6,821	893	7,714	88.4%	11.6%	107,903	13,237	121,140	89.1%	10.9%
11-Jul	8,394	1,039	9,433	89.0%	11.0%	116,297	14,276	130,573	89.1%	10.9%
12-Jul	9,590	1,381	10,971	87.4%	12.6%	125,887	15,657	141,544	88.9%	11.1%
13-Jul	8,110	1,053	9,163	88.5%	11.5%	133,997	16,710	150,707	88.9%	11.1%
14-Jul	5,800	766	6,566	88.3%	11.7%	139,797	17,476	157,273	88.9%	11.1%
15-Jul	5,238	622	5,860	89.4%	10.6%	145,035	18,098	163,133	88.9%	11.1%
16-Jul	7,930	969	8,899	89.1%	10.9%	152,965	19,067	172,032	88.9%	11.1%
17-Jul	5,636	687	6,323	89.1%	10.9%	158,601	19,754	178,355	88.9%	11.1%
18-Jul	8,154	1,003	9,157	89.0%	11.0%	166,755	20,757	187,512	88.9%	11.1%
19-Jul	4,931	717	5,648	87.3%	12.7%	171,686	21,474	193,160	88.9%	11.1%
20-Jul	7,534	976	8,510	88.5%	11.5%	179,220	22,450	201,670	88.9%	11.1%
21-Jul	2,809	244	3,053	92.0%	8.0%	182,029	22,694	204,723	88.9%	11.1%
22-Jul	7,038	812	7,850	89.7%	10.3%	189,067	23,506	212,573	88.9%	11.1%
23-Jul	7,477	568	8,045	92.9%	7.1%	196,544	24,074	220,618	89.1%	10.9%
24-Jul	3,063	328	3,391	90.3%	9.7%	199,607	24,402	224,009	89.1%	10.9%
25-Jul	3,138	300	3,438	91.3%	8.7%	202,745	24,702	227,447	89.1%	10.9%
26-Jul <sup>a</sup>	2,566	200	2,766	92.8%	7.2%	205,311	24,902	230,213	89.2%	10.8%
Total	205,311	24,902	230,213							
Post-weir escapement estimate			20,000 <sup>b</sup>							
Estimated total sockeye escapement			250,213							

Note: "Jacks" are defined as sockeye salmon less than 400 mm.

<sup>a</sup> Weir removed the following day.

<sup>b</sup> Post-weir escapement estimates were determined using aerial surveys, commercial fishery performance, run timing indicators, effort levels, and weather conditions to provide a reasonable estimate of escapement levels after weir was removed.

Table 16.—Bear River sockeye salmon early- and late-run escapement, late-run commercial catch, and late-run total by year, 1990–2023.

Year	Early-run escapement <sup>a</sup>	Late-run escapement <sup>b</sup>	Late-run catch <sup>c</sup>	Late-run total <sup>d</sup>
1990	283,854	262,946	635,780	898,726
1991	432,087	173,913	634,393	808,306
1992	254,170	195,830	636,231	832,061
1993	254,012	197,988	761,993	959,981
1994	260,559	204,441	791,466	995,907
1995	197,039	107,961	1,150,246	1,258,207
1996	247,371	119,629	399,086	518,715
1997	214,689	145,311	399,917	545,228
1998	221,580	193,420	296,518	489,938
1999	222,110	127,890	637,917	765,807
2000	184,053	90,947	619,264	710,211
2001	177,495	122,505	353,358	475,863
2002	179,480	95,520	298,895	394,415
2003	226,201	139,799	192,067	331,866
2004	354,565	80,435	4,947	85,382
2005	332,248	221,752	423,762	645,514
2006	262,995	182,005	360,792	542,797
2007	206,233	224,767	718,983	943,750
2008	125,526	195,474	674,856	870,330
2009	216,237	133,263	324,650	457,913
2010	226,534	142,966	298,062	441,028
2011	207,451	132,549	75,234	207,783
2012	173,158	116,442	0 <sup>e</sup>	116,442
2013	219,074	196,926	100,485	297,411
2014	259,046	206,954	260,929	467,883
2015	302,731	212,269	362,482	574,751
2016	293,280	139,720	193,595	333,315
2017	570,840	229,160	113,831	342,991
2018	324,093	232,907	549,783	782,690
2019	294,727	205,273	233,390	438,663
2020	299,198	200,802	167,932	368,734
2021	387,240	193,372	183,192	376,564
2022	365,699	151,301	100,023	251,324
2023	280,626	171,703	90,933	210,577
2013–2022 average	331,593	196,868	226,564	423,433

Note: Catch numbers do not include test-fish harvest or fish retained for personal use.

<sup>a</sup> Bear River escapement prior to August 1.

<sup>b</sup> Bear River escapement post-July 31, including post-weir estimate.

<sup>c</sup> Commercial catch from Port Moller Bight to Stroganof Point, post-July 31.

<sup>d</sup> Bear River escapement with post-weir estimate, and Port Moller to Stroganof Point catch, post-July 31.

<sup>e</sup> No fishery on Bear River late run due to low escapement.

Table 17.—Sockeye salmon daily and cumulative escapement counts through the Bear River weir, 2023.

Date	Daily			Daily percent		Cumulative			Cumulative percent	
	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	Adults	Jacks
4-Jun	0	0	0	0.0%	0.0%	0	0	0	0.0%	0.0%
5-Jun	8	1	9	88.9%	11.1%	8	1	9	88.9%	11.1%
6-Jun	1	0	1	100.0%	0.0%	9	1	10	90.0%	10.0%
7-Jun	8	0	8	100.0%	0.0%	17	1	18	94.4%	5.6%
8-Jun	0	0	0	0.0%	0.0%	17	1	18	94.4%	5.6%
9-Jun	8	2	10	80.0%	20.0%	25	3	28	89.3%	10.7%
10-Jun	6	2	8	75.0%	25.0%	31	5	36	86.1%	13.9%
11-Jun	0	0	0	0.0%	0.0%	31	5	36	86.1%	13.9%
12-Jun	84	8	92	91.3%	8.7%	115	13	128	89.8%	10.2%
13-Jun	119	6	125	95.2%	4.8%	234	19	253	92.5%	7.5%
14-Jun	16	11	27	59.3%	40.7%	250	30	280	89.3%	10.7%
15-Jun	164	32	196	83.7%	16.3%	414	62	476	87.0%	13.0%
16-Jun	211	36	247	85.4%	14.6%	625	98	723	86.4%	13.6%
17-Jun	433	68	501	86.4%	13.6%	1,058	166	1,224	86.4%	13.6%
18-Jun	487	34	521	93.5%	6.5%	1,545	200	1,745	88.5%	11.5%
19-Jun	1,137	160	1,297	87.7%	12.3%	2,682	360	3,042	88.2%	11.8%
20-Jun	535	143	678	78.9%	21.1%	3,217	503	3,720	86.5%	13.5%
21-Jun	785	174	959	81.9%	18.1%	4,002	677	4,679	85.5%	14.5%
22-Jun	756	134	890	84.9%	15.1%	4,758	811	5,569	85.4%	14.6%
23-Jun	1,171	215	1,386	84.5%	15.5%	5,929	1,026	6,955	85.2%	14.8%
24-Jun	739	155	894	82.7%	17.3%	6,668	1,181	7,849	85.0%	15.0%
25-Jun	396	142	538	73.6%	26.4%	7,064	1,323	8,387	84.2%	15.8%
26-Jun	720	211	931	77.3%	22.7%	7,784	1,534	9,318	83.5%	16.5%
27-Jun	1,251	464	1,715	72.9%	27.1%	9,035	1,998	11,033	81.9%	18.1%
28-Jun	867	401	1,268	68.4%	31.6%	9,902	2,399	12,301	80.5%	19.5%
29-Jun	1,309	631	1,940	67.5%	32.5%	11,211	3,030	14,241	78.7%	21.3%
30-Jun	1,273	623	1,896	67.1%	32.9%	12,484	3,653	16,137	77.4%	22.6%
1-Jul	1,602	814	2,416	66.3%	33.7%	14,086	4,467	18,553	75.9%	24.1%
2-Jul	1,417	450	1,867	75.9%	24.1%	15,503	4,917	20,420	75.9%	24.1%
3-Jul	1,679	570	2,249	74.7%	25.3%	17,182	5,487	22,669	75.8%	24.2%

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Table 17.—Page 2 of 3.

Date	Daily			Daily percent		Cumulative			Cumulative percent	
	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	Adults	Jacks
4-Jul	4,490	1,220	5,710	78.6%	21.4%	21,672	6,707	28,379	76.4%	23.6%
5-Jul	3,313	579	3,892	85.1%	14.9%	24,985	7,286	32,271	77.4%	22.6%
6-Jul	2,046	376	2,422	84.5%	15.5%	27,031	7,662	34,693	77.9%	22.1%
7-Jul	4,025	608	4,633	86.9%	13.1%	31,056	8,270	39,326	79.0%	21.0%
8-Jul	3,669	588	4,257	86.2%	13.8%	34,725	8,858	43,583	79.7%	20.3%
9-Jul	3,605	558	4,163	86.6%	13.4%	38,330	9,416	47,746	80.3%	19.7%
10-Jul	3,230	689	3,919	82.4%	17.6%	41,560	10,105	51,665	80.4%	19.6%
11-Jul	3,223	822	4,045	79.7%	20.3%	44,783	10,927	55,710	80.4%	19.6%
12-Jul	2,357	559	2,916	80.8%	19.2%	47,140	11,486	58,626	80.4%	19.6%
13-Jul	6,256	771	7,027	89.0%	11.0%	53,396	12,257	65,653	81.3%	18.7%
14-Jul	7,892	795	8,687	90.8%	9.2%	61,288	13,052	74,340	82.4%	17.6%
15-Jul	10,253	747	11,000	93.2%	6.8%	71,541	13,799	85,340	83.8%	16.2%
16-Jul	6,338	884	7,222	87.8%	12.2%	77,879	14,683	92,562	84.1%	15.9%
17-Jul	7,151	666	7,817	91.5%	8.5%	85,030	15,349	100,379	84.7%	15.3%
18-Jul	7,285	702	7,987	91.2%	8.8%	92,315	16,051	108,366	85.2%	14.8%
19-Jul	6,928	750	7,678	90.2%	9.8%	99,243	16,801	116,044	85.5%	14.5%
20-Jul	13,199	978	14,177	93.1%	6.9%	112,442	17,779	130,221	86.3%	13.7%
21-Jul	3,270	221	3,491	93.7%	6.3%	115,712	18,000	133,712	86.5%	13.5%
22-Jul	1,903	146	2,049	92.9%	7.1%	117,615	18,146	135,761	86.6%	13.4%
23-Jul	13,224	610	13,834	95.6%	4.4%	130,839	18,756	149,595	87.5%	12.5%
24-Jul	34,297	1,084	35,381	96.9%	3.1%	165,136	19,840	184,976	89.3%	10.7%
25-Jul	30,252	371	30,623	98.8%	1.2%	195,388	20,211	215,599	90.6%	9.4%
26-Jul	17,107	329	17,436	98.1%	1.9%	212,495	20,540	233,035	91.2%	8.8%
27-Jul	12,062	381	12,443	96.9%	3.1%	224,557	20,921	245,478	91.5%	8.5%
28-Jul	11,575	250	11,825	97.9%	2.1%	236,132	21,171	257,303	91.8%	8.2%
29-Jul	6,922	222	7,144	96.9%	3.1%	243,054	21,393	264,447	91.9%	8.1%
30-Jul	4,687	154	4,841	96.8%	3.2%	247,741	21,547	269,288	92.0%	8.0%
31-Jul	11,037	301	11,338	97.3%	2.7%	258,778	21,848	280,626	92.2%	7.8%
1-Aug	9,276	199	9,475	97.9%	2.1%	268,054	22,047	290,101	92.4%	7.6%
2-Aug	7,513	186	7,699	97.6%	2.4%	275,567	22,233	297,800	92.5%	7.5%

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Table 17.—Page 3 of 3.

Date	Daily			Daily percent		Cumulative			Cumulative percent	
	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	Adults	Jacks
3-Aug	7,263	152	7,415	98.0%	2.0%	282,830	22,385	305,215	92.7%	7.3%
4-Aug	6,446	199	6,645	97.0%	3.0%	289,276	22,584	311,860	92.8%	7.2%
5-Aug	6,430	169	6,599	97.4%	2.6%	295,706	22,753	318,459	92.9%	7.1%
6-Aug	6,121	117	6,238	98.1%	1.9%	301,827	22,870	324,697	93.0%	7.0%
7-Aug	6,413	166	6,579	97.5%	2.5%	308,240	23,036	331,276	93.0%	7.0%
8-Aug	8,124	274	8,398	96.7%	3.3%	316,364	23,310	339,674	93.1%	6.9%
9-Aug	4,455	236	4,691	95.0%	5.0%	320,819	23,546	344,365	93.2%	6.8%
10-Aug	7,779	405	8,184	95.1%	4.9%	328,598	23,951	352,549	93.2%	6.8%
11-Aug	6,207	243	6,450	96.2%	3.8%	334,805	24,194	358,999	93.3%	6.7%
12-Aug	7,030	341	7,371	95.4%	4.6%	341,835	24,535	366,370	93.3%	6.7%
13-Aug	4,826	295	5,121	94.2%	5.8%	346,661	24,830	371,491	93.3%	6.7%
14-Aug	2,632	201	2,833	92.9%	7.1%	349,293	25,031	374,324	93.3%	6.7%
15-Aug	3,398	200	3,598	94.4%	5.6%	352,691	25,231	377,922	93.3%	6.7%
16-Aug	3,469	107	3,576	97.0%	3.0%	356,160	25,338	381,498	93.4%	6.6%
17-Aug	7,249	296	7,545	96.1%	3.9%	363,409	25,634	389,043	93.4%	6.6%
18-Aug	2,797	140	2,937	95.2%	4.8%	366,206	25,774	391,980	93.4%	6.6%
19-Aug	4,946	182	5,128	96.5%	3.5%	371,152	25,956	397,108	93.5%	6.5%
20-Aug	5,235	226	5,461	95.9%	4.1%	376,387	26,182	402,569	93.5%	6.5%
21-Aug <sup>a</sup>	1,673	87	1,760	95.1%	4.9%	378,060	26,269	404,329	93.5%	6.5%
Total	378,060	26,269	404,329							
Post-weir escapement estimate			48,000 <sup>b</sup>							
Total estimated escapement			452,329							

Note: “Jacks” are defined as sockeye salmon less than 400 mm.

<sup>a</sup> Weir removed the following day.

<sup>b</sup> Post-weir escapement estimates were determined using aerial surveys, commercial fishery performance, run timing indicators, effort levels, and weather conditions to provide a reasonable estimate of escapement levels after weir was removed.

Table 18.—Sockeye salmon daily and cumulative escapement counts through the Sandy River weir, 2023.

Date	Daily			Daily percent		Cumulative			Cumulative percent	
	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	Adults	Jacks
8-Jun	0	0	0	0.0%	0.0%	0	0	0	0.0%	0.0%
9-Jun	0	0	0	0.0%	0.0%	0	0	0	0.0%	0.0%
10-Jun	0	0	0	0.0%	0.0%	0	0	0	0.0%	0.0%
11-Jun	0	0	0	0.0%	0.0%	0	0	0	0.0%	0.0%
12-Jun	5	0	5	100.0%	0.0%	5	0	5	0.0%	0.0%
13-Jun	4	0	4	100.0%	0.0%	9	0	9	0.0%	0.0%
14-Jun	6	1	7	85.7%	14.3%	15	1	16	0.0%	0.0%
15-Jun	3	0	3	100.0%	0.0%	18	1	19	0.0%	0.0%
16-Jun	1	0	1	100.0%	0.0%	19	1	20	0.1%	0.0%
17-Jun	27	1	28	96.4%	3.6%	46	2	48	0.1%	0.0%
18-Jun	39	1	40	97.5%	2.5%	85	3	88	0.2%	0.0%
19-Jun	151	2	153	98.7%	1.3%	236	5	241	0.7%	0.0%
20-Jun	241	2	243	99.2%	0.8%	477	7	484	1.3%	0.0%
21-Jun	447	5	452	98.9%	1.1%	924	12	936	2.5%	0.0%
22-Jun	323	8	331	97.6%	2.4%	1,247	20	1,267	3.4%	0.1%
23-Jun	533	21	554	96.2%	3.8%	1,780	41	1,821	4.9%	0.1%
24-Jun	365	3	368	99.2%	0.8%	2,145	44	2,189	5.9%	0.1%
25-Jun	1,078	11	1,089	99.0%	1.0%	3,223	55	3,278	8.9%	0.2%
26-Jun	643	7	650	0.0%	0.0%	3,866	62	3,928	10.7%	0.2%
27-Jun	525	2	527	99.6%	0.4%	4,391	64	4,455	12.1%	0.2%
28-Jun	699	1	700	99.9%	0.1%	5,090	65	5,155	14.0%	0.2%
29-Jun	967	9	976	99.1%	0.9%	6,057	74	6,131	16.7%	0.2%
30-Jun	845	11	856	0.0%	0.0%	6,902	85	6,987	19.0%	0.2%
1-Jul	605	2	607	99.7%	0.3%	7,507	87	7,594	20.7%	0.2%
2-Jul	1,239	11	1,250	99.1%	0.9%	8,746	98	8,844	24.1%	0.3%
3-Jul	976	11	987	98.9%	1.1%	9,722	109	9,831	26.8%	0.3%
4-Jul	108	2	110	98.2%	1.8%	9,830	111	9,941	27.1%	0.3%
5-Jul	758	2	760	99.7%	0.3%	10,588	113	10,701	29.2%	0.3%
6-Jul	1,818	9	1,827	99.5%	0.5%	12,406	122	12,528	34.2%	0.3%
7-Jul	1,375	0	1,375	100.0%	0.0%	13,781	122	13,903	38.0%	0.3%
8-Jul	2,027	7	2,034	99.7%	0.3%	15,808	129	15,937	43.6%	0.4%

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Date	Daily			Daily percent		Cumulative			Cumulative percent	
	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	Adults	Jacks
9-Jul	1,228	0	1,228	100.0%	0.0%	17,036	129	17,165	47.0%	0.4%
10-Jul	405	0	405	100.0%	0.0%	17,441	129	17,570	48.1%	0.4%
11-Jul	1,874	6	1,880	99.7%	0.3%	19,315	135	19,450	53.3%	0.4%
12-Jul	953	2	955	99.8%	0.2%	20,268	137	20,405	55.9%	0.4%
13-Jul	1,356	2	1,358	99.9%	0.1%	21,624	139	21,763	59.6%	0.4%
14-Jul	2,371	15	2,386	99.4%	0.6%	23,995	154	24,149	66.2%	0.4%
15-Jul	1,863	10	1,873	99.5%	0.5%	25,858	164	26,022	71.3%	0.5%
16-Jul	598	5	603	99.2%	0.8%	26,456	169	26,625	73.0%	0.5%
17-Jul	1,858	9	1,867	99.5%	0.5%	28,314	178	28,492	78.1%	0.5%
18-Jul	1,722	17	1,739	99.0%	1.0%	30,036	195	30,231	82.8%	0.5%
19-Jul	1,739	14	1,753	99.2%	0.8%	31,775	209	31,984	87.6%	0.6%
20-Jul	2,264	9	2,273	99.6%	0.4%	34,039	218	34,257	93.9%	0.6%
21-Jul <sup>a,b</sup>	2,000	0	2,000	100.0%	0.0%	36,039	218	36,257	99.4%	0.6%
Total	36,039	218	36,257							
Post-weir escapement estimate			12,500 <sup>c</sup>							
Total estimated escapement			48,757							

Note: "Jacks" are defined as sockeye salmon less than 400 mm.

<sup>a</sup> Due to significant high water events and inclement, these numbers are estimates.

<sup>b</sup> Weir was removed the following day.

<sup>c</sup> Post-weir escapement estimates were determined using aerial surveys, commercial fishery performance, run timing indicators, effort levels, and weather conditions to provide a reasonable estimate of escapement levels after weir was removed.

Table 19.—Sockeye salmon daily and cumulative escapement counts through the Ilnik River weir, 2023.

Date	Daily			Daily percent		Cumulative			Cumulative percent	
	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	Adults	Jacks
3-Jun	769	1	770	99.9%	0.1%	769	1	770	99.9%	0.1%
4-Jun	199	0	199	100.0%	0.0%	968	1	969	99.9%	0.1%
5-Jun	2,157	0	2,157	100.0%	0.0%	3,125	1	3,126	100.0%	0.0%
6-Jun	46	0	46	100.0%	0.0%	3,171	1	3,172	100.0%	0.0%
7-Jun	1,000	0	1,000	100.0%	0.0%	4,171	1	4,172	100.0%	0.0%
8-Jun	1,128	0	1,128	100.0%	0.0%	5,299	1	5,300	100.0%	0.0%
9-Jun	277	0	277	100.0%	0.0%	5,576	1	5,577	100.0%	0.0%
10-Jun	2,474	0	2,474	100.0%	0.0%	8,050	1	8,051	100.0%	0.0%
11-Jun	1,000	0	1,000	100.0%	0.0%	9,050	1	9,051	100.0%	0.0%
12-Jun	2,151	1	2,152	100.0%	0.0%	11,201	2	11,203	100.0%	0.0%
13-Jun	548	1	549	99.8%	0.2%	11,749	3	11,752	100.0%	0.0%
14-Jun	349	0	349	100.0%	0.0%	12,098	3	12,101	100.0%	0.0%
15-Jun	6,282	8	6,290	99.9%	0.1%	18,380	11	18,391	99.9%	0.1%
16-Jun	2,500	5	2,505	99.8%	0.2%	20,880	16	20,896	99.9%	0.1%
17-Jun	1,174	0	1,174	100.0%	0.0%	22,054	16	22,070	99.9%	0.1%
18-Jun	1,157	3	1,160	99.7%	0.3%	23,211	19	23,230	99.9%	0.1%
19-Jun	7,531	8	7,539	99.9%	0.1%	30,742	27	30,769	99.9%	0.1%
20-Jun	8,974	24	8,998	99.7%	0.3%	39,716	51	39,767	99.9%	0.1%
21-Jun	6,042	9	6,051	99.9%	0.1%	45,758	60	45,818	99.9%	0.1%
22-Jun	1,937	9	1,946	99.5%	0.5%	47,695	69	47,764	99.9%	0.1%
23-Jun	4,530	3	4,533	99.9%	0.1%	52,225	72	52,297	99.9%	0.1%
24-Jun	1,292	0	1,292	100.0%	0.0%	53,517	72	53,589	99.9%	0.1%
25-Jun	2,512	4	2,516	99.8%	0.2%	56,029	76	56,105	99.9%	0.1%
26-Jun	2,677	3	2,680	99.9%	0.1%	58,706	79	58,785	99.9%	0.1%
27-Jun	1,403	1	1,404	99.9%	0.1%	60,109	80	60,189	99.9%	0.1%
28-Jun	298	0	298	100.0%	0.0%	60,407	80	60,487	99.9%	0.1%

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Table 19.–Page 2 of 2.

Date	Daily			Daily percent		Cumulative			Cumulative percent	
	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	Adults	Jacks
29-Jun	1,734	2	1,736	99.9%	0.1%	62,141	82	62,223	99.9%	0.1%
30-Jun	1,197	1	1,198	99.9%	0.1%	63,338	83	63,421	99.9%	0.1%
1-Jul	510	3	513	99.4%	0.6%	63,848	86	63,934	99.9%	0.1%
2-Jul	2,556	7	2,563	99.7%	0.3%	66,404	93	66,497	99.9%	0.1%
3-Jul	5,702	5	5,707	99.9%	0.1%	72,106	98	72,204	99.9%	0.1%
4-Jul	5,482	5	5,487	99.9%	0.1%	77,588	103	77,691	99.9%	0.1%
5-Jul	3,313	5	3,318	99.8%	0.2%	80,901	108	81,009	99.9%	0.1%
6-Jul	3,622	4	3,626	99.9%	0.1%	84,523	112	84,635	99.9%	0.1%
7-Jul	1,425	1	1,426	99.9%	0.1%	85,948	113	86,061	99.9%	0.1%
8-Jul	1,260	5	1,265	99.6%	0.4%	87,208	118	87,326	99.9%	0.1%
9-Jul	862	0	862	100.0%	0.0%	88,070	118	88,188	99.9%	0.1%
10-Jul	1,005	1	1,006	99.9%	0.1%	89,075	119	89,194	99.9%	0.1%
11-Jul	1,721	3	1,724	99.8%	0.2%	90,796	122	90,918	99.9%	0.1%
12-Jul	722	7	729	99.0%	1.0%	91,518	129	91,647	99.9%	0.1%
13-Jul	3,080	10	3,090	99.7%	0.3%	94,598	139	94,737	99.9%	0.1%
14-Jul	1,051	3	1,054	99.7%	0.3%	95,649	142	95,791	99.9%	0.1%
15-Jul	287	3	290	99.0%	1.0%	95,936	145	96,081	99.8%	0.2%
16-Jul	1,525	5	1,530	99.7%	0.3%	97,461	150	97,611	99.8%	0.2%
17-Jul	887	7	894	99.2%	0.8%	98,348	157	98,505	99.8%	0.2%
18-Jul <sup>a</sup>	512	4	516	99.2%	0.8%	98,860	161	99,021	99.8%	0.2%
Total	98,860	161	99,021							
Post-weir escapement estimate			10,000 <sup>a</sup>							
Estimated total escapement			109,021							

Note: “Jacks” are defined as sockeye salmon less than 400 mm.

<sup>a</sup> Weir was removed the following day.

<sup>a</sup> Post-weir escapement estimates were determined using aerial surveys, commercial fishery performance, run timing indicators, effort levels, and weather conditions to provide a reasonable estimate of escapement levels after weir was removed.

Table 20.—North Peninsula salmon harvest by species and day, 2023.

Catch date	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
5-Jun thru 12-Jun <sup>ab</sup>	—	—	—	—	—	—	—
13-Jun	5	5	17	253	0	0	0
14-Jun	4	5	21	182	0	0	0
15-Jun <sup>a</sup>	—	—	—	—	—	—	—
16-Jun thru 18-Jun <sup>b</sup>	—	—	—	—	—	—	—
19-Jun	8	8	44	1,852	0	0	0
20-Jun	87	128	158	20,491	0	0	57
21-Jun	73	76	108	13,044	0	0	75
22-Jun	99	125	198	30,912	0	0	172
23-Jun	72	80	108	25,090	0	0	208
24-Jun	64	65	70	27,441	0	0	206
25-Jun	31	32	24	13,116	0	0	103
26-Jun	75	103	66	103,439	0	116	346
27-Jun	108	145	77	70,305	0	0	962
28-Jun	84	118	44	47,740	0	0	727
29-Jun	72	86	42	34,229	0	0	81
30-Jun	106	122	39	54,377	0	4	154
1-Jul	88	94	20	53,871	0	0	176
2-Jul	14	14	12	2,744	0	0	4
3-Jul	27	27	17	9,206	0	5	170
4-Jul	110	123	15	80,567	0	0	337
5-Jul	73	86	9	30,916	0	1	58
6-Jul	120	120	27	55,813	0	27	352
7-Jul	94	119	23	62,049	0	6	482
8-Jul	95	96	8	38,331	1	1	224
9-Jul	7	7	2	1,910	0	0	0
10-Jul	12	12	1	3,634	0	0	1,144
11-Jul	10	10	1	4,370	0	0	0
12-Jul	96	110	12	36,468	1	31	4,501
13-Jul	48	48	3	12,099	0	3	189
14-Jul	91	93	8	33,413	0	25	819
15-Jul	10	10	1	3,412	0	0	0
16-Jul	14	14	2	4,111	0	0	0
17-Jul	45	45	2	22,188	13	20	833
18-Jul	74	86	0	54,114	288	140	12,911
19-Jul	71	71	2	28,983	120	313	7,186
20-Jul	7	7	0	2,364	0	16	4,067
21-Jul	12	12	3	2,863	0	0	0
22-Jul	5	5	0	1,209	0	0	0
23-Jul <sup>b</sup>	0	0	0	0	0	0	0
24-Jul	46	48	1	10,208	148	203	10,803
25-Jul	53	55	0	12,788	78	242	3,107
26-Jul	46	61	0	16,161	55	48	254
27-Jul	30	31	0	8,356	17	76	199
28-Jul	15	16	0	3,958	0	16	45
29-Jul	12	18	0	9,101	24	71	83
30-Jul	29	29	0	9,118	32	34	154
31-Jul	31	31	1	11,573	423	408	6,255
1-Aug	3	3	0	707	0	382	5,136
2-Aug	7	7	0	905	0	0	0
3-Aug <sup>a</sup>	—	—	—	—	—	—	—

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Table 20.—Page 2 of 2.

Catch date	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
4-Aug <sup>b</sup>	0	0	0	0	0	0	0
5-Aug	27	28	0	7,914	248	121	201
6-Aug	25	25	0	10,816	244	189	139
7-Aug	32	32	1	10,765	1,027	1,283	4,098
8-Aug	28	29	0	5,373	553	553	2,530
9-Aug	12	12	0	2,228	200	210	506
10-Aug	33	38	0	11,247	1,355	857	3,369
11-Aug	22	26	0	5,587	947	646	96
12-Aug	7	7	0	1,255	75	181	31
13-Aug	10	10	0	2,692	26	46	54
14-Aug	20	22	0	4,795	198	413	5,522
15-Aug	14	14	0	3,429	101	387	6,103
16-Aug	8	8	0	1,813	42	293	2,974
17-Aug	10	11	0	2,928	63	511	810
18-Aug	14	15	1	6,944	61	77	161
19-Aug	6	6	0	1,880	40	14	50
20-Aug	5	5	0	1,924	24	15	7
21-Aug <sup>b</sup>	0	0	0	0	0	0	0
22-Aug	3	3	0	797	13	25	14
23-Aug <sup>b</sup>	0	0	0	0	0	0	0
24-Aug <sup>a</sup>	—	—	—	—	—	—	—
Total <sup>c</sup>	159	2,913	1,213	1,147,942	6,417	8,328	91,172

Note: Catch numbers do not include test-fishery harvest or fish retained for personal use.

<sup>a</sup> Confidential.

<sup>b</sup> No effort.

<sup>c</sup> Totals include confidential harvests.

Table 21.—North Peninsula salmon harvest by district, statistical area, and section, 2023.

Statistical area	Section	Number of fish					Total
		Chinook	Sockeye	Coho	Pink	Chum	
Northwestern District							
311-20	Dublin Bay Section <sup>a</sup>	0	0	0	0	0	0
311-32	Urilia Bay Section	0	78,348	0	116	65	78,529
311-52	Swanson Lagoon Section <sup>a</sup>	—	—	—	—	—	—
311-60	Bechevin Bay Section <sup>a, b</sup>	0	0	0	0	0	0
311-58	Cape Krenitzen to Cape Glazenap	0	7,097	27	411	3,516	11,051
312-10	Cape Glazenap to Moffet Point	0	767	33	471	2,101	3,372
312-20	Izembek Lagoon	0	169	0	15	2,039	2,223
312-40	Moffet Bay	0	4,849	9	2,319	69,079	76,256
Izembek-Moffet Bay Section total		0	12,882	69	3,216	76,735	92,902
Northwestern District total		0	91,230	69	3,332	76,800	171,431
Northern District							
313-10	Black Hills Section	0	454	25	125	283	887
313-20	Caribou Flats Section <sup>c</sup>	—	—	—	—	—	—
313-30	Nelson Lagoon Section	316	102,074	11	0	0	102,401
314-12	Port Moller Bight Section <sup>d</sup>	—	—	—	—	—	—
314-20	Herendeen Bay <sup>d</sup>	—	—	—	—	—	—
314-30	Moller Bay <sup>d</sup>	—	—	—	—	—	—
Herendeen–Moller Bay Section total <sup>d</sup>		316	102,501	36	125	283	103,261
315-11		1	24,614	403	346	699	26,063
315-20		0	14,260	226	228	312	15,026
Bear River Section total		1	38,874	629	574	1,011	41,089
316-10	Three Hills Section	1	6,710	300	266	70	7,347
316-20	Southwest Ilnik	237	292,067	3,588	3,066	1,890	300,848
316-22	Ilnik Lagoon <sup>d</sup>	—	—	—	—	—	—
316-25	Northeast Ilnik	231	307,590	815	445	3,268	312,349
Ilnik Section total		468	599,657	4,403	3,511	5,158	613,197
317-10	Outer Port Heiden Section	350	305,563	962	337	7,380	314,613
317-20	Inner Port Heiden Section <sup>d</sup>	—	—	—	—	—	—
318-20	Cinder River Section <sup>a</sup>	0	0	0	0	0	0
Northern District total <sup>c</sup>		1,213	1,056,712	6,348	4,996	14,372	1,083,641
North Peninsula total <sup>c</sup>		1,213	1,147,942	6,417	8,328	91,172	1,255,072

Note: Catch numbers do not include test-fish harvest or fish retained for personal use.

<sup>a</sup> There was no commercial salmon harvest effort in this section in 2023.

<sup>b</sup> The Bechevin Bay Section is only part of the North Peninsula post June; there was no commercial fishing effort during this time period.

<sup>c</sup> The Caribou Flat Section is closed to commercial salmon fishing.

<sup>d</sup> Confidentiality rules prohibit the release of this information.

<sup>e</sup> Totals include information not provided due to confidentiality requirements.

Table 22.—Northwestern District sockeye salmon runs (number of fish), 1990–2023.

Year		Izembek–Moffet Bay Section <sup>a</sup>	Dublin, Bechevin, & Urilia Bays & Swanson Lagoon <sup>a,b</sup>	Northwestern District total
1990	Catch	39,428	118,592	158,020
	Escapement <sup>c</sup>	33,700	83,100	116,800
	Total	73,128	201,692	274,820
1991	Catch	24,500	156,727	181,227
	Escapement <sup>c</sup>	51,600	86,700	138,300
	Total	76,100	243,427	319,527
1992	Catch	21,542	57,507	79,049
	Escapement <sup>c</sup>	53,300	46,900	100,200
	Total	74,842	104,407	179,249
1993	Catch	30,109	38,274	68,383
	Escapement <sup>c</sup>	34,400	40,000	74,400
	Total	64,509	78,274	142,783
1994	Catch	2,362	32,512	34,874
	Escapement <sup>c</sup>	39,500	48,200	87,700
	Total	41,862	80,712	122,574
1995	Catch	7,269	17,965	25,234
	Escapement <sup>c</sup>	7,500	54,800	62,300
	Total	14,769	72,765	87,534
1996	Catch	18,210	39,899	58,109
	Escapement <sup>c</sup>	45,900	36,900	82,800
	Total	64,110	76,799	140,909
1997	Catch	5,493	52,961	58,454
	Escapement <sup>c</sup>	26,500	42,300	68,800
	Total	31,993	95,261	127,254
1998	Catch	8,241	43,074	51,315
	Escapement <sup>c</sup>	38,800	45,300	84,100
	Total	47,041	88,374	135,415
1999	Catch	4,387	119,148	123,535
	Escapement <sup>c</sup>	31,600	57,100	88,700
	Total	35,987	176,248	212,235
2000	Catch	1,638	100,808	102,446
	Escapement <sup>c</sup>	24,800	60,500	85,300
	Total	26,438	161,308	187,746
2001	Catch	10,270	40,474	50,744
	Escapement <sup>c</sup>	49,500	51,500	101,000
	Total	59,770	91,974	151,744
2002	Catch	37,528	45,314	82,842
	Escapement <sup>c</sup>	49,000	60,500	109,500
	Total	86,528	105,814	192,342

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Table 22.–Page 2 of 3.

Year		Izembek–Moffet Bay Section <sup>a</sup>	Dublin, Bechevin, & Uria Bays & Swanson Lagoon <sup>a,b</sup>	Northwestern District total
2003	Catch	16,338	46,830	63,168
	Escapement <sup>c</sup>	58,000	79,600	137,600
	Total	74,338	126,430	200,768
2004	Catch	23,629	74,790	98,419
	Escapement <sup>c</sup>	68,300	118,630	186,930
	Total	91,929	193,420	285,349
2005	Catch	61,082	113,463	174,545
	Escapement <sup>c</sup>	61,388	75,400	136,788
	Total	122,470	188,863	311,333
2006	Catch	24,712	37,804	62,516
	Escapement <sup>c</sup>	41,195	53,311	94,506
	Total	65,907	91,115	157,022
2007	Catch	22,536	26,857	49,393
	Escapement	32,600	59,550	92,150
	Total	55,136	86,407	141,543
2008	Catch	8,836	42,610	51,446
	Escapement <sup>c</sup>	46,600	127,200	173,800
	Total	55,436	169,810	225,246
2009	Catch	10,869	26,190	37,059
	Escapement <sup>c</sup>	39,300	49,700	89,000
	Total	50,169	75,890	126,059
2010	Catch	25,582	29,223	54,805
	Escapement <sup>c</sup>	12,700	36,400	49,100
	Total	38,282	65,623	103,905
2011	Catch	17,918	2,195	20,113
	Escapement <sup>c</sup>	10,200	38,700	48,900
	Total	28,118	40,895	69,013
2012	Catch	54,072	3,301	57,373
	Escapement <sup>c</sup>	28,270	51,100	79,370
	Total	82,342	54,401	136,743
2013	Catch	24,098	0	24,098
	Escapement <sup>c</sup>	16,200	26,500	42,700
	Total	40,298	26,500	66,798
2014	Catch	33,908	3,424	37,332
	Escapement <sup>c</sup>	15,050	35,600	50,650
	Total	48,958	39,024	87,982
2015	Catch	31,705	0	31,705
	Escapement <sup>c</sup>	16,260	56,200	72,460
	Total	47,965	56,200	104,165

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Table 22.—Page 3 of 3.

Year		Izembek–Moffet Bay Section <sup>a</sup>	Dublin, Bechevin, & Uria Bays & Swanson Lagoon <sup>a,b</sup>	Northwestern District total
2016	Catch	39,598	0	39,598
	Escapement <sup>c</sup>	12,700	127,800	140,500
	Total	52,298	127,800	180,098
2017	Catch	25,335	63,678	89,013
	Escapement <sup>c</sup>	11,000	296,462	307,462
	Total	36,335	360,140	396,475
2018	Catch	7,181	0	7,181
	Escapement <sup>c</sup>	13,425	30,600	44,025
	Total	20,606	30,600	51,206
2019	Catch	4,486	1,130	5,616
	Escapement <sup>c</sup>	28,600	53,300	81,900
	Total	33,086	54,430	87,516
2020	Catch	16,630	0	16,630
	Escapement <sup>c</sup>	27,300	23,900	51,200
	Total	43,930	23,900	67,830
2021	Catch	13,942	57,981	71,923
	Escapement <sup>c</sup>	22,100	68,700	90,800
	Total	36,042	126,681	162,723
2022	Catch	10,594	45,126	55,720
	Escapement <sup>c</sup>	21,810	41,050	62,860
	Total	32,404	86,176	118,580
2023	Catch	12,882	78,348	91,230
	Escapement <sup>c</sup>	15,300	79,655	94,955
	Total	28,182	158,003	186,185
2013–2022 average				
	Catch	20,748	17,134	37,882
	Escapement <sup>c</sup>	18,445	76,011	94,456
	Total	47,870	107,091	154,961

*Note:* Catch numbers do not include test-fishery harvest or fish retained for personal use. Differences in totals may occur between tables due to confidentiality requirements.

<sup>a</sup> Statistical area 311-58 was moved from the Bechevin Bay Section to the Izembek–Moffet Bay Section in 2001.

<sup>b</sup> Catch numbers include a small harvest from the Dublin Bay Section in 1983, 2006, and 2011 only.

<sup>c</sup> Escapements are estimated totals.

Table 23.—Emergency order summary for the North Alaska Peninsula commercial salmon fishery, 2023.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller – 1	5:00 p.m. June 16	6:00 a.m. June 20	<p><u>Closed Waters:</u> The Bear River, Three Hills, and Outer Port Heiden Sections are closed until further notice. That portion of the Ilnik Section located southwest of a 300-degree bearing perpendicular to the beach at 159° 42.04' W long. will remain closed to commercial salmon fishing from 6:00 a.m. Tuesday, June 20, until further notice.</p> <p><u>Fishing Period:</u> The remaining portion of the Ilnik Section will open to commercial salmon from 6:00 a.m. Tuesday, June 20, until 6:00 p.m. Thursday, June 22.</p>
Port Moller – 2	5:00 p.m. June 20	6:00 a.m. June 22	<p><u>Fishing Period:</u> The Outer Port Heiden Section will open to commercial salmon fishing from 6:00 a.m. Thursday, June 22, until 6:00 p.m. Saturday, June 24.</p> <p><u>Extension:</u> The remaining portion of the Ilnik Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, June 22, until 6:00 p.m. Saturday, June 24.</p>
Port Moller – 3	9:00 a.m. June 22	6:00 p.m. June 22	<p><u>Extension:</u> The Port Moller Bight Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, June 22, until 6:00 p.m. Saturday, June 24. The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Thursday, June 22, until 11:59 p.m. Friday, June 23.</p>
Port Moller – 4	8:30 a.m. June 24	6:00 p.m. June 24	<p><u>Closure:</u> The Outer Port Heiden Section will close to commercial salmon fishing from 6:00 p.m. Saturday, June 24, until further notice.</p> <p><u>Extension:</u> The remaining portion of the Ilnik Section will remain open to commercial salmon from 6:00 p.m. Saturday, June 24, until 6:00 p.m. Wednesday, June 28. The Port Moller Bight Section will remain open to commercial salmon fishing from 6:00 p.m. Saturday, June 24, until 6:00 p.m. Thursday, June 29.</p>
Port Moller – 5	5:00 p.m. June 27	6:00 p.m. June 28	<p><u>Fishing Period:</u> The Outer Port Heiden Section will open to commercial salmon fishing from 6:00 a.m. Thursday, June 29, until 6:00 p.m. Saturday, July 1.</p> <p><u>Extension:</u> The remaining portion of the Ilnik Section will remain open to commercial salmon fishing from 6:00 p.m. Wednesday, June 28, until 6:00 p.m. Saturday, July 1. The Port Moller Bight Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, June 29, until 6:00 p.m. Saturday, July 1.</p>
Port Moller – 6	9:00 a.m. June 29	11:59 p.m. June 29	<p><u>Extension:</u> The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Thursday, June 29, until 11:59 p.m. Friday, June 30.</p>

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Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller – 7	9:05 a.m. June 30	11:59 p.m. June 30	<u>Extension:</u> The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Friday, June 30, until 11:59 p.m. Thursday, July 6. The Port Moller Bight Section will remain open to commercial salmon fishing from 6:00 p.m. Saturday, July 1, until 6:00 p.m. Thursday, July 6.
Port Moller – 8	5:00 p.m. June 30	6:00 p.m. July 1	<u>Closure/Re-opener:</u> The Outer Port Heiden Section will close to commercial salmon fishing from 6:00 p.m. Saturday, July 1, until further notice. The remaining portion of the Ilnik Section will close to commercial salmon fishing at 6:00 p.m. Saturday, July 1, and reopen at 6:00 a.m. Tuesday, July 4, until 6:00 p.m. Thursday, July 6.
Port Moller – 9	5:00 p.m. July 4	6:00 a.m. July 6	<u>Fishing Period:</u> The Outer Port Heiden Section will open to commercial salmon fishing from 6:00 a.m. Thursday, July 6, until 6:00 p.m. Saturday, July 8.
Port Moller – 10	5:00 p.m. July 5	6:00 p.m. July 6	<u>Extension:</u> The remaining portion of the Ilnik Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, July 6, until 6:00 p.m. Saturday, July 8. The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Thursday, July 6, until 11:59 p.m. Saturday, July 8. The Port Moller Bight Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, July 6, until 6:00 p.m. Saturday, July 8.
Port Moller – 11	3:00 p.m. July 7	6:00 p.m. July 8	<u>Closure:</u> The remaining portion of the Ilnik Section will close to commercial salmon fishing from 6:00 p.m. Saturday, July 8, until further notice. The Outer Port Heiden Section will close to commercial salmon fishing from 6:00 p.m. Saturday, July 8, until further notice. The Port Moller Bight Section will close to commercial salmon fishing at 6:00 p.m. Saturday, July 8, until further notice.  <u>Extension:</u> The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Saturday, July 8, to 11:59 p.m. Thursday, July 13.
Cold Bay – 1	5:00 p.m. July 9	6:00 a.m. July 10	<u>Fishing Period:</u> The Urilia Bay Section of the Northwestern District will open to commercial salmon fishing from 6:00 a.m. Sunday, July 10 until further notice.  <u>Closed Waters:</u> Waters within 500 yards of the Christianson Lagoon exit channel terminus at the ocean shoreline are closed to commercial salmon fishing. In Peterson Lagoon, waters of the lagoon from a point 500 yards upstream from the outlet channel terminus at the ocean shoreline are closed to commercial salmon fishing.
Port Moller – 12	5:00 p.m. July 9	6:00 a.m. July 12	<u>Fishing Period:</u> The Outer Port Heiden Section will open to commercial salmon fishing from 6:00 a.m. Wednesday, July 12, until 6:00 p.m. Friday, July 14.

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Table 23.–Page 3 of 4.

Emergency order #	Issued:	Effective:	Action taken:
Cold Bay – 2	5:00 p.m. July 11	6:00 a.m. July 12	<p><u>Fishing Period:</u> The Uria Bay Section of the Northwestern District will open to commercial salmon fishing 6:00 a.m. Monday, July 12 until further notice.</p> <p><u>Closed Waters:</u> Waters within 500 yards of the Christianson Lagoon exit channel terminus at the ocean shoreline are closed to commercial salmon fishing.</p> <p>In Peterson Lagoon, waters of the lagoon from a point 500 yards upstream from the outlet channel terminus at the ocean shoreline are closed to commercial salmon fishing.</p>
Port Moller – 13	10:00 a.m. July 13	11:59 p.m. July 13	<p><u>Closed Waters:</u> The Bear River, Three Hills, Port Moller Bight, and Ilnik Sections will remain closed to commercial salmon fishing until further notice.</p> <p><u>Closure/Re-opener:</u> The Outer Port Heiden Section will close to commercial salmon fishing at 6:00 p.m. Friday, July 14, and reopen at 6:00 a.m. Monday, July 17, until 6:00 p.m. Wednesday, July 19.</p> <p><u>Extension:</u> The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Thursday, July 13, until further notice.</p>
Port Moller – 14	5:15 p.m. July 22	6:00 a.m. July 24	<p><u>Fishing Period:</u> The Outer Port Heiden Section will open to commercial salmon fishing at 6:00 a.m. Monday, July 24, until 6:00 p.m. Wednesday, July 26.</p>
Port Moller – 15	6:00 p.m. July 24	6:00 a.m. July 25	<p><u>Fishing Period:</u> The Port Moller Bight Section will open to commercial salmon fishing at 6:00 a.m. Tuesday, July 25, until 6:00 p.m. Thursday, July 27.</p>
Port Moller – 16	5:00 p.m. July 25	6:00 a.m. July 26	<p><u>Fishing Period:</u> The Ilnik Section will open to commercial salmon fishing from 6:00 a.m. Wednesday, July 26, until 6:00 p.m. Saturday, July 29.</p> <p><u>Extension:</u> The Port Moller Bight Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, July 27, until further notice.</p>
Port Moller – 17	5:00 p.m. July 28	6:00 p.m. July 29	<p><u>Fishing Period:</u> The Outer Port Heiden Section will open to commercial salmon fishing from 12:01 a.m. Sunday, July 30, until 11:59 p.m. Monday, July 31.</p> <p><u>Extension:</u> The Ilnik Section will remain open to commercial salmon fishing from 6:00 p.m. Saturday, July 29, until 11:59 p.m. Monday, July 31.</p>

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Table 23.–Page 4 of 4.

Emergency order #	Issued:	Effective:	Action taken:
Port Moller – 18	5:00 p.m. August 3	6:00 a.m. August 5	<p><u>Fishing Period:</u> The remaining portion of the Bear River Section and the Three Hills and Ilnik Sections will open to commercial salmon fishing from 6:00 a.m. Saturday, August 5, until 6:00 p.m. Wednesday, August 9.</p> <p><u>Closed Waters:</u> That portion of the Bear River Section located from a 280° bearing perpendicular to the beach at the southern 1,000-yard regulatory marker at King Salmon River to the Sandy River Bluffs located at 160° 19.64' W long will close to commercial salmon fishing at 6:00 a.m. Saturday, August 5, until further notice.</p>
Port Moller – 19	5:45 p.m. August 8	6:00 p.m. August 9	<p><u>Extension:</u> The remaining portion of the Bear River Section and the Three Hills and Ilnik Sections will remain open to commercial salmon fishing from 6:00 p.m. Wednesday, August 9, until 6:00 p.m. Monday, August 14.</p>
Port Moller – 20	9:00 a.m. August 10	6:00 p.m. August 10	<p><u>Closed Waters:</u> That portion of the Bear River Section located from a 280° bearing perpendicular to the beach at the southern 1,000-yard regulatory marker at King Salmon River to the northern 2,000-yard regulatory marker at the Sandy River will remain closed to commercial salmon fishing until further notice.</p> <p><u>Fishing Period:</u> The portion of the Bear River Section located northeast from a line at a 280° bearing perpendicular to the beach at the northern 2,000-yard regulatory marker at the Sandy River to the Sandy River Bluffs located at 160° 19.64' W long will open to commercial salmon fishing from 6:00 p.m. Thursday, August 10, until 6:00 p.m. Monday, August 14.</p>
Port Moller – 21	5:00 p.m. August 12	8:00 a.m. August 13	<p><u>Closed Waters:</u> The closed waters at Bear River will be set at 1,000 yards from the stream terminus at the ocean shoreline from 8:00 a.m. Sunday, August 13, until further notice.</p> <p><u>Fishing Period:</u> That portion of the Bear River Section located from a 280° bearing perpendicular to the beach at the southern 1,000-yard regulatory marker at King Salmon River to the northern 2,000-yard regulatory marker at the Sandy River will reopen to commercial salmon fishing at 8:00 a.m. Sunday, August 13, until further notice.</p> <p><u>Extension:</u> The Bear River, Three Hills, and Ilnik Sections will remain open to commercial salmon fishing from 6:00 p.m. Monday, August 14, until further notice.</p>

Table 24.—Nelson Lagoon Section salmon harvest by species and day, 2023.

Catch date <sup>a</sup>	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
12-Jun <sup>b,c</sup>	—	—	—	—	—	—	—
13-Jun	5	5	17	253	0	0	0
14-Jun	3	3	9	180	0	0	0
15-Jun thru 18-Jun <sup>d</sup>	—	—	—	—	—	—	—
19-Jun	7	7	35	1,852	0	0	0
20-Jun	12	12	71	1,951	0	0	0
21-Jun	12	12	29	1,187	0	0	0
22-Jun	11	11	16	1,021	0	0	0
23-Jun	5	5	13	310	0	0	0
24-Jun thru 25-Jun <sup>d</sup>	—	—	—	—	—	—	—
26-Jun	9	9	15	967	0	0	0
27-Jun	11	11	25	1,923	0	0	0
28-Jun	14	14	10	2,402	0	0	0
29-Jun	14	14	10	2,342	0	0	0
30-Jun	8	8	8	1,470	0	0	0
1-Jul	3	3	1	592	0	0	0
2-Jul	13	13	11	2,665	0	0	0
3-Jul	13	13	10	4,398	0	0	0
4-Jul	5	5	2	1,803	0	0	0
5-Jul	8	8	0	2,950	0	0	0
6-Jul	13	13	3	4,159	0	0	0
7-Jul	13	13	7	4,208	0	0	0
8-Jul	6	6	1	1,946	0	0	0
9-Jul	7	7	2	1,910	0	0	0
10-Jul	11	11	1	3,014	0	0	0
11-Jul	10	10	1	4,370	0	0	0
12-Jul	14	14	3	5,352	0	0	0
13-Jul	14	14	2	4,160	0	0	0
14-Jul	13	13	3	4,623	0	0	0
15-Jul	10	10	1	3,412	0	0	0
16-Jul	14	14	2	4,111	0	0	0
17-Jul	13	13	1	4,389	0	0	0
18-Jul	10	10	0	4,444	0	0	0
19-Jul	13	13	1	3,797	0	0	0
20-Jul	6	6	0	2,150	0	0	0
21-Jul	12	12	3	2,863	0	0	0
22-Jul	5	5	0	1,209	0	0	0
23-Jul <sup>e</sup>	—	—	—	—	—	—	—
24-Jul	11	11	0	2,590	0	0	0
25-Jul	13	13	0	1,464	0	0	0
26-Jul	11	12	0	1,434	0	0	0
27-Jul	9	9	0	1,193	0	0	0
28-Jul	9	9	0	1,220	0	0	0
29-Jul	3	3	0	411	0	0	0
30-Jul	10	10	0	1,804	0	0	0

-continued-

Table 24.–Page 2 of 2.

Catch date <sup>a</sup>	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
31-Jul	9	9	1	1,242	0	0	0
1-Aug <sup>c</sup>	—	—	—	—	—	—	—
2-Aug	7	7	0	905	0	0	0
3-Aug <sup>c</sup>	—	—	—	—	—	—	—
4-Aug <sup>e</sup>	—	—	—	—	—	—	—
5-Aug	4	4	0	265	0	0	0
6-Aug	4	4	0	216	0	0	0
7-Aug thru 8-Aug <sup>c</sup>	—	—	—	—	—	—	—
9-Aug	3	3	0	64	0	0	0
10-Aug	4	4	0	168	11	0	0
11-Aug thru 12-Aug <sup>c</sup>	—	—	—	—	—	—	—
13-Aug thru 15-Aug <sup>ec</sup>	—	—	—	—	—	—	—
Total <sup>f</sup>	19	440	316	101,659	11	0	0

*Note:* Catch numbers do not include test-fishery harvest or fish retained for personal use.

<sup>a</sup> By regulation, the commercial fishing season in the Nelson Lagoon Section is from May 1 to September 30.

<sup>b</sup> No fishing effort occurred before this date.

<sup>c</sup> Confidential.

<sup>d</sup> Closed.

<sup>e</sup> No effort.

<sup>f</sup> Total includes information not included due to confidentiality requirements.

Table 25.—Bear River Section salmon harvest by species and day, 2023.

Catch date <sup>a</sup>	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
5-Aug <sup>b</sup>	8	9	0	2,495	16	15	79
6-Aug	8	8	0	4,840	33	20	68
7-Aug	8	8	0	1,898	29	67	46
8-Aug	4	4	0	672	8	35	112
9-Aug <sup>c</sup>	—	—	—	—	—	—	—
10-Aug	9	12	0	3,017	22	49	84
11-Aug	6	7	0	1,119	76	37	47
12-Aug <sup>c</sup>	—	—	—	—	—	—	—
13-Aug	8	8	0	2,569	26	41	51
14-Aug	14	16	0	4,180	123	75	127
15-Aug	11	11	0	3,198	93	71	51
16-Aug	7	7	0	1,709	41	33	31
17-Aug	7	8	0	2,685	45	40	104
18-Aug	12	13	1	6,787	53	62	154
19-Aug	5	5	0	1,808	40	14	50
20-Aug	4	4	0	1,897	24	15	7
Total	29	120	1	38,874	629	574	1,011

*Note:* Catch numbers do not include fish retained for personal use.

<sup>a</sup> By regulation, the commercial fishing season in the Nelson Lagoon Section is from May 1 to September 30.

<sup>b</sup> Fishery closed before August 5.

<sup>c</sup> No effort.

Table 26.—North Alaska Peninsula salmon test-fish and cost-recovery catches, 2001–2023.

Year	Number of fish					Total
	Chinook	Sockeye	Coho	Pink	Chum	
2001	13	4,363	2	10	62	4,450
2002	0	6,021	14	41	169	6,245
2003	1	5,785	10	99	178	6,073
2004	0	3,874	35	108	87	4,104
2005	0	2,291	2	11	36	2,340
2006	20	2,232	2	0	89	2,343
2007	0	1,664	5	0	13	1,682
2008	0	2,249	54	1	105	2,409
2009	6	4,027	7	29	54	4,123
2010	0	2,294	2	19	58	2,373
2011	1	2,434	21	33	67	2,556
2012 <sup>a</sup>	—	—	—	—	—	—
2013	0	2,035	28	34	116	2,213
2014	0	2,426	3	16	90	2,535
2015	1	2,348	10	3	398	2,760
2016	0	1,133	2	18	43	1,196
2017	0	8,298	6	25	346	8,675
2018	0	12,527	0	0	86	12,613
2019	0	8,897	46	223	605	9,771
2020	0	1,738	9	32	37	1,816
2021	1	6,289	23	70	83	6,466
2022	0	11,855	0	0	86	11,941
2023	7	4,698	0	5	170	4,880
2013–2022 average	0	5,077	14	47	200	5,338

*Note:* This table only includes test-fishery harvest from the local Port Moller test fishery.

<sup>a</sup> A test fishery did not occur in 2012.

Table 27.—Three Hills Section salmon harvest by species and day, 2023.

Catch date <sup>a</sup>	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
5-Aug <sup>b</sup>	4	4	0	1111	61	18	2
6-Aug	3	3	0	1407	24	32	12
7-Aug <sup>c</sup>	—	—	—	—	—	—	—
8-Aug	3	3	0	579	13	15	10
9-Aug <sup>d</sup>	—	—	—	—	—	—	—
10-Aug <sup>c</sup>	—	—	—	—	—	—	—
11-Aug	5	6	0	946	70	20	0
12-Aug	5	5	0	1158	64	166	28
13-Aug <sup>d</sup>	—	—	—	—	—	—	—
14-Aug <sup>c</sup>	—	—	—	—	—	—	—
Total <sup>e</sup>	14	27	1	6,710	300	266	70

*Note:* Catch numbers do not include test-fishery harvest or fish retained for personal use.

<sup>a</sup> By regulation, the commercial fishing season for the Three Hills Section is June 25 through September 30.

<sup>b</sup> Fishery closed before August 5.

<sup>c</sup> Confidential.

<sup>d</sup> No effort.

<sup>e</sup> Total includes information not included due to confidentiality requirements.



Table 28.—Ilnik Section salmon harvest by species and day, 2023.

Catch date <sup>a</sup>	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
20-Jun	74	114	71	18,514	0	0	54
21-Jun	60	62	61	11,815	0	0	74
22-Jun	11	16	13	3,545	0	0	11
23-Jun	14	22	32	6,879	0	0	55
24-Jun	39	39	24	17,953	0	0	62
25-Jun	31	32	24	13,116	0	0	103
26-Jun	62	86	51	41,000	0	0	282
27-Jun	92	125	50	51,487	0	0	961
28-Jun	70	104	42	45,338	0	0	727
29-Jun	38	38	18	19,112	0	0	44
30-Jun	77	88	22	45,550	0	0	127
1-Jul	61	66	10	42,688	0	0	86
2-Jul thru 3-Jul <sup>b</sup>	—	—	—	—	—	—	—
4-Jul	105	118	13	78764	0	0	337
5-Jul	65	78	9	27,966	0	1	58
6-Jul	66	66	12	36,023	0	14	184
7-Jul	69	84	14	42,456	0	6	426
8-Jul	47	48	2	15,593	0	0	26
9-Jul thru 24-Jul <sup>b</sup>	—	—	—	—	—	—	—
25-Jul	12	14	0	4,972	11	20	63
26-Jul	34	45	0	13,715	53	31	176
27-Jul	19	20	0	6,838	6	8	28
28-Jul	5	5	0	2514	0	0	0
29-Jul	8	13	0	8,470	24	35	41
30-Jul	13	13	0	4,951	14	15	116
31-Jul	11	11	0	5,769	62	34	113
1-Aug thru 4-Aug <sup>b</sup>	—	—	—	—	—	—	—
5-Aug	9	9	0	3,920	171	88	120
6-Aug	9	9	0	4,235	183	132	53
7-Aug	20	20	0	7,701	976	897	216
8-Aug	20	20	0	4,018	532	411	168
9-Aug	8	8	0	2163	200	112	63
10-Aug	19	19	0	7,740	1,304	773	259
11-Aug	11	13	0	3,522	801	589	49
12-Aug <sup>c</sup>	—	—	—	—	—	—	—
13-Aug <sup>d</sup>	—	—	—	—	—	—	—
14-Aug	3	3	0	361	45	8	4
15-Aug thru 21-Aug <sup>d</sup>	—	—	—	—	—	—	—
22-Aug	3	3	0	797	13	25	14
23-Aug <sup>d</sup>	—	—	—	—	—	—	—
24-Aug <sup>e</sup>	—	—	—	—	—	—	—
Total <sup>e</sup>	131	1,412	451	599,657	4,403	3,511	5,158

Note: Catch numbers do not include test-fishery harvest or fish retained for personal use.

<sup>a</sup> Prior to June 20, only Ilnik Lagoon is open to commercial salmon fishing in the Ilnik Section.

<sup>b</sup> Closed.

<sup>c</sup> Confidential.

<sup>d</sup> No effort.

<sup>e</sup> Total includes information not included due to confidentiality requirements.

Table 29.—Outer Port Heiden Section salmon harvest by species and day, 2023.

Catch date <sup>a</sup>	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
22-Jun	70	89	46	7,185	0	0	69
23-Jun	45	46	170	21,901	0	0	152
24-Jun	11	11	91	24,373	0	0	236
25-Jun thru 28-Jun <sup>b</sup>	—	—	—	—	—	—	—
29-Jun	20	34	10	6,046	0	0	17
30-Jun	23	24	8	9,012	0	0	38
1-Jul	24	25	11	15,511	0	0	95
2-Jul thru 5-Jul <sup>b</sup>	—	—	—	—	—	—	—
6-Jul	41	41	11	15,544	0	13	168
7-Jul	13	21	1	6,656	0	0	37
8-Jul	42	42	5	29,470	1	1	216
9-Jul thru 11-Jul <sup>b</sup>	—	—	—	—	—	—	—
12-Jul	81	95	5	15,896	1	3	399
13-Jul	34	34	3	20,302	0	16	603
14-Jul	78	80	7	29,990	0	25	840
15-Jul thru 16-Jul <sup>b</sup>	—	—	—	—	—	—	—
17-Jul	32	32	1	14,677	13	20	833
18-Jul	55	67	0	41,416	274	27	1,524
19-Jul	46	46	1	28,485	106	20	1,166
20-Jul thru 23-Jul <sup>b</sup>	—	—	—	—	—	—	—
24-Jul	31	31	1	7,173	135	62	557
25-Jul	21	21	0	4,616	51	75	351
26-Jul	4	4	0	693	2	3	12
27-Jul thru 29-Jul <sup>b</sup>	—	—	—	—	—	—	—
30-Jul	4	4	0	2,158	18	3	13
31-Jul	9	9	0	4,459	361	69	54
Total <sup>c</sup>	114	786	350	305,563	962	337	7,380

Note: Catch numbers do not include test-fishery harvest or fish retained for personal use.

<sup>a</sup> By regulation, the commercial salmon fishing season in the Outer Port Heiden Section is June 20 through July 31.

<sup>b</sup> Fishery closed.

<sup>c</sup> Total includes information not included due to confidentiality requirements.

Table 30.—Alaska Peninsula (Area M) and Bristol Bay (Area T) overlap area commercial salmon catch, in number of fish by gear and permit, 1978–2023.

Drift gillnet		Area M						Area T						
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
1978 <sup>a</sup>	—	—	—	—	—	—	—	26	233	6,947	315	17,581	0	202
1979 <sup>a</sup>	—	—	—	—	—	—	—	21	976	4,493	340	13,203	0	5
1980 <sup>a</sup>	—	—	—	—	—	—	—	25	269	4,073	932	24,846	1	16
1981 <sup>a</sup>	—	—	—	—	—	—	—	18	161	4,306	151	7,094	0	8
1982	0	0	0	0	0	0	0	23	281	8,427	727	17,320	0	0
1983	0	0	0	0	0	0	0	18	146	5,004	0	302	0	0
1984	0	0	0	0	0	0	0	44	380	5,133	499	39,881	22	119
1985	0	0	0	0	0	0	0	44	273	2,857	434	20,892	0	2
1986 <sup>a</sup>	—	—	—	—	—	—	—	24	162	1,141	1,366	17,341	0	32
1987 <sup>a</sup>	—	—	—	—	—	—	—	38	383	2,691	863	33,019	67	460
1988 <sup>a</sup>	—	—	—	—	—	—	—	46	407	4,936	3,155	40,956	6	2,857
1989 <sup>a</sup>	—	—	—	—	—	—	—	52	309	2,359	1,256	37,688	5	457
1990 <sup>a</sup>	—	—	—	—	—	—	—	63	407	3,707	3,557	61,654	147	231
1991	0	0	0	0	0	0	0	68	511	2,826	498	76,525	0	225
1992	0	0	0	0	0	0	0	102	578	4,899	3,433	71,359	54	598
1993	0	0	0	0	0	0	0	50	259	8,829	3,421	13,030	0	113
1994	0	0	0	0	0	0	0	77	567	8,618	2,294	103,200	44	213
1995	0	0	0	0	0	0	0	81	357	2,081	1,195	41,075	0	48
1996	4	12	8	4,045	755	1	522	33	153	593	2,833	37,829	0	19
1997	0	0	0	0	0	0	0	41	348	3,156	3,672	35,378	0	35
1998 <sup>a</sup>	—	—	—	—	—	—	—	60	354	1,430	3,348	49,893	1,478	633
1999	0	0	0	0	0	0	0	21	31	279	1,020	1,591	0	19
2000	0	0	0	0	0	0	0	27	113	0	1,173	23,620	15	0
2001	0	0	0	0	0	0	0	4	7	0	0	664	0	9
2002 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003	0	0	0	0	0	0	0	4	4	0	0	2,072	0	0
2004 <sup>a</sup>	0	0	0	0	0	0	0	—	—	—	—	—	—	—
2005	0	0	0	0	0	0	0	10	17	266	1,921	2,122	0	7
2006	0	0	0	0	0	0	0	6	33	1,053	1,151	0	0	2
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010 <sup>a</sup>	—	—	—	—	—	—	—	0	0	0	0	0	0	0

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Table 30.–Page 2 of 3.

Drift gillnet (continued)			Area M					Area T						
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 <sup>a</sup>	–	–	–	–	–	–	–	0	0	0	0	0	0	0
2014 <sup>a</sup>	–	–	–	–	–	–	–	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016 <sup>a</sup>	–	–	–	–	–	–	–	0	0	0	0	0	0	0
2017 <sup>a</sup>	–	–	–	–	–	–	–	0	0	0	0	0	0	0
2018 <sup>a</sup>	–	–	–	–	–	–	–	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Set gillnet			Area M					Area T						
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
1978	7	59	1,458	468	1,741	0	194	8	46	282	46	3,586	0	41
1979	9	202	2,599	34,772	970	2	735	10	100	1,136	1,968	10,039	26	63
1980	10	235	428	19,655	1,029	0	2,223	16	172	527	1,931	16,095	39	128
1981	7	96	790	2,931	1,584	0	176	21	117	209	146	8,021	0	3
1982	8	206	2,181	7,857	3,808	0	724	16	113	347	198	20,890	0	0
1983	4	30	838	28	336	0	0	7	44	567	111	1,779	0	2
1984	5	51	866	1,216	2,138	0	33	15	101	395	31	9,541	0	8
1985	5	39	1,049	4,963	1,318	0	0	17	83	450	26	6,646	0	0
1986	3	67	335	36,297	579	0	807	7	42	345	382	1,433	0	1
1987 <sup>a</sup>	–	–	–	–	–	–	–	9	98	351	341	6,960	0	57
1988	6	93	204	12,314	18,125	142	1,637	14	115	703	1,032	13,181	2	360
1989	7	75	153	12,044	16,659	6	596	18	89	544	160	5,515	0	127
1990	5	62	195	12,748	7,901	0	101	15	118	867	229	11,979	4	36
1991	6	57	122	29,123	4,260	2	459	12	96	194	42	10,591	0	0
1992	7	56	140	19,162	11,620	1	744	18	137	531	3,076	18,506	0	196
1993	3	34	3	23,931	7,141	11	70	11	89	2,992	5,890	3,600	0	57
1994	4	22	3	5,274	4,674	53	3	9	101	2,717	3,536	12,062	0	87

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Table 30.—Page 3 of 3.

Set gillnet		Area M						Area T						
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
1995	3	20	14	3,057	3,021	0	109	12	64	512	87	7,090	0	2
1996 <sup>a</sup>	—	—	—	—	—	—	—	6	31	155	807	6,761	0	0
1997	3	56	621	20,426	2,169	0	41	9	76	247	1,116	6,434	0	1
1998 <sup>a</sup>	—	—	—	—	—	—	—	7	51	0	71	6,341	2	1
1999 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2000 <sup>a</sup>	—	—	—	—	—	—	—	3	6	0	0	787	3	0
2001 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002 <sup>a</sup>	—	—	—	—	—	—	—	0	0	0	0	0	0	0
2003 <sup>a</sup>	—	—	—	—	—	—	—	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2005 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007 <sup>a</sup>	—	—	—	—	—	—	—	0	0	0	0	0	0	0
2008 <sup>a</sup>	—	—	—	—	—	—	—	0	0	0	0	0	0	0
2009 <sup>a</sup>	0	0	0	0	0	0	0	—	—	—	—	—	—	—
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 <sup>a</sup>	—	—	—	—	—	—	—	0	0	0	0	0	0	0
2014 <sup>a</sup>	—	—	—	—	—	—	—	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: Catch numbers do not include test-fishery harvest or fish retained for personal use. Differences in totals may occur between tables due to confidentiality requirements.

<sup>a</sup> Confidentiality requirements prohibit releasing this information.

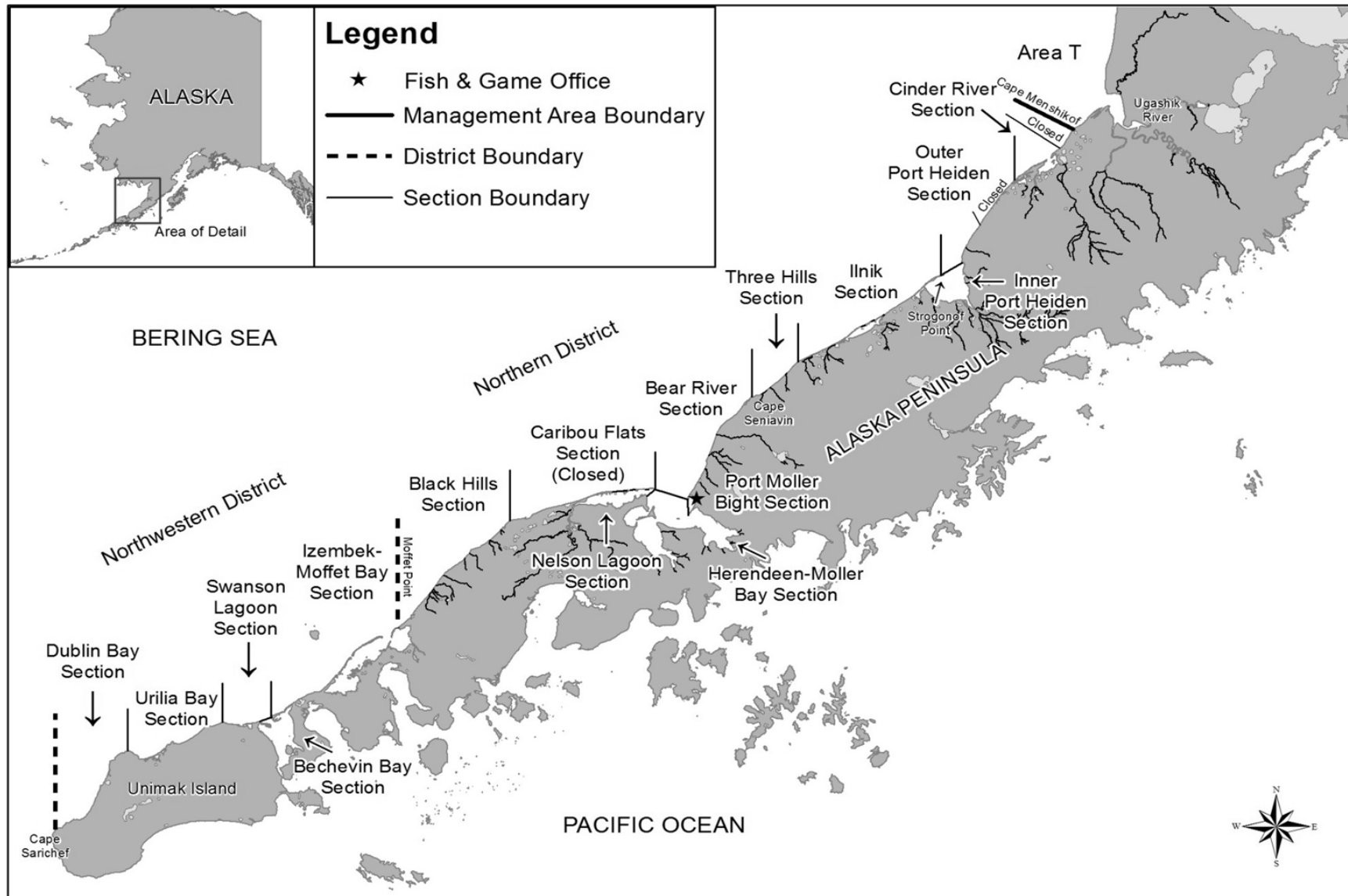


Figure 1.—Map of Alaska Peninsula with North Peninsula commercial salmon fishing districts.

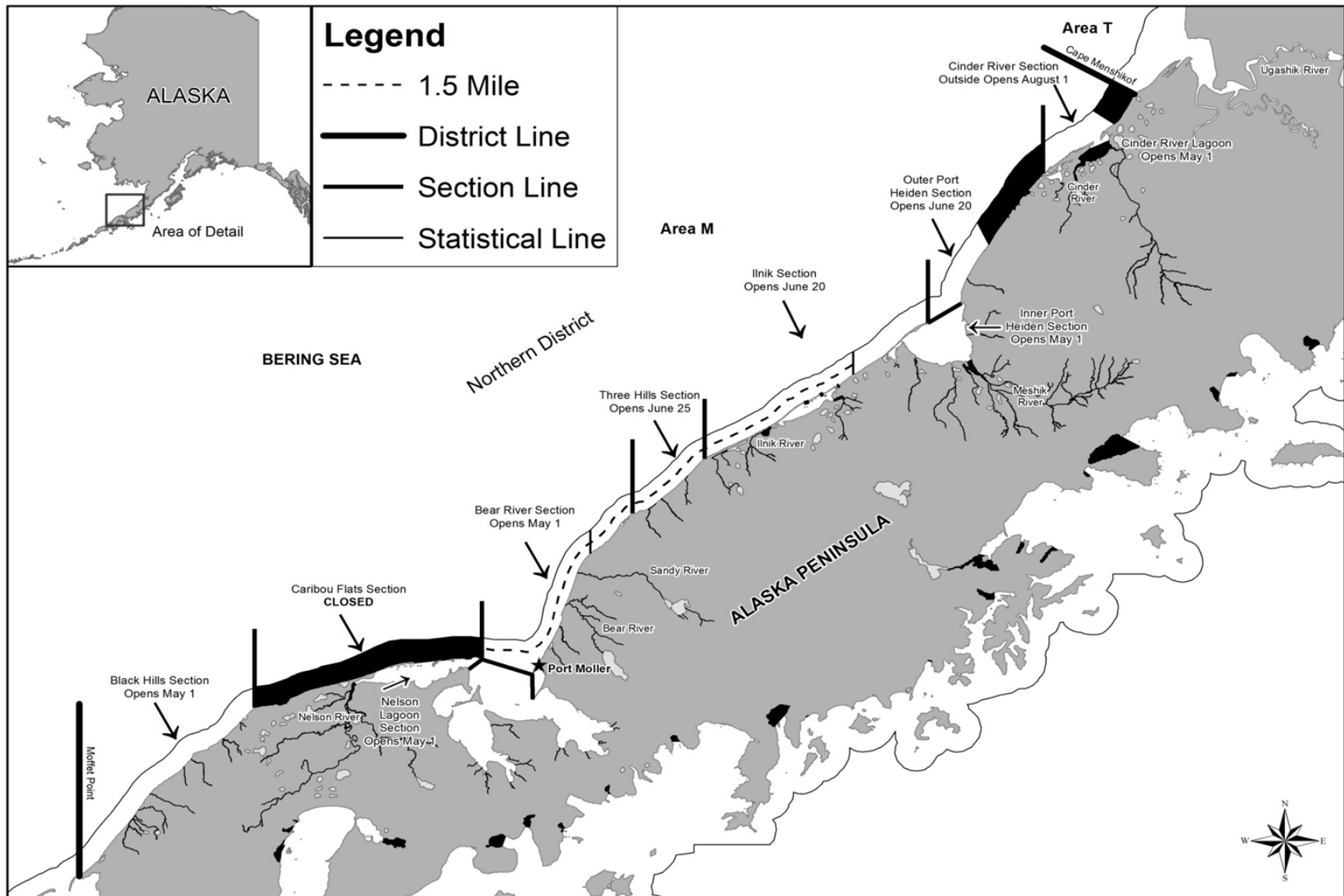


Figure 2.—North Alaska Peninsula from Moffet Point to Cape Menshikof, with selected commercial salmon fishing sections, season opening dates, and major sockeye salmon systems.

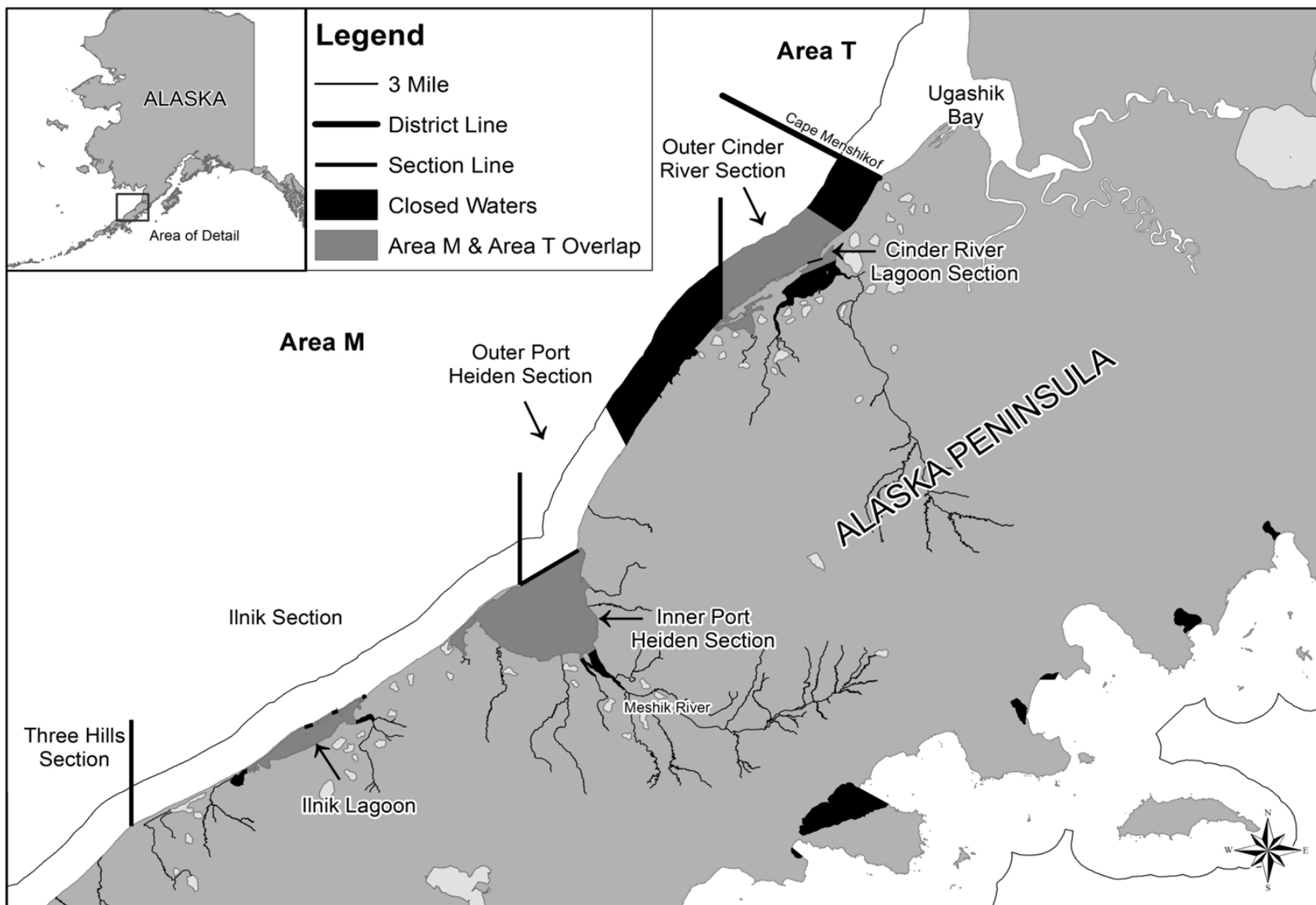


Figure 3.—Alaska Peninsula (Area M) and Bristol Bay (Area T) commercial salmon fishing overlap areas.



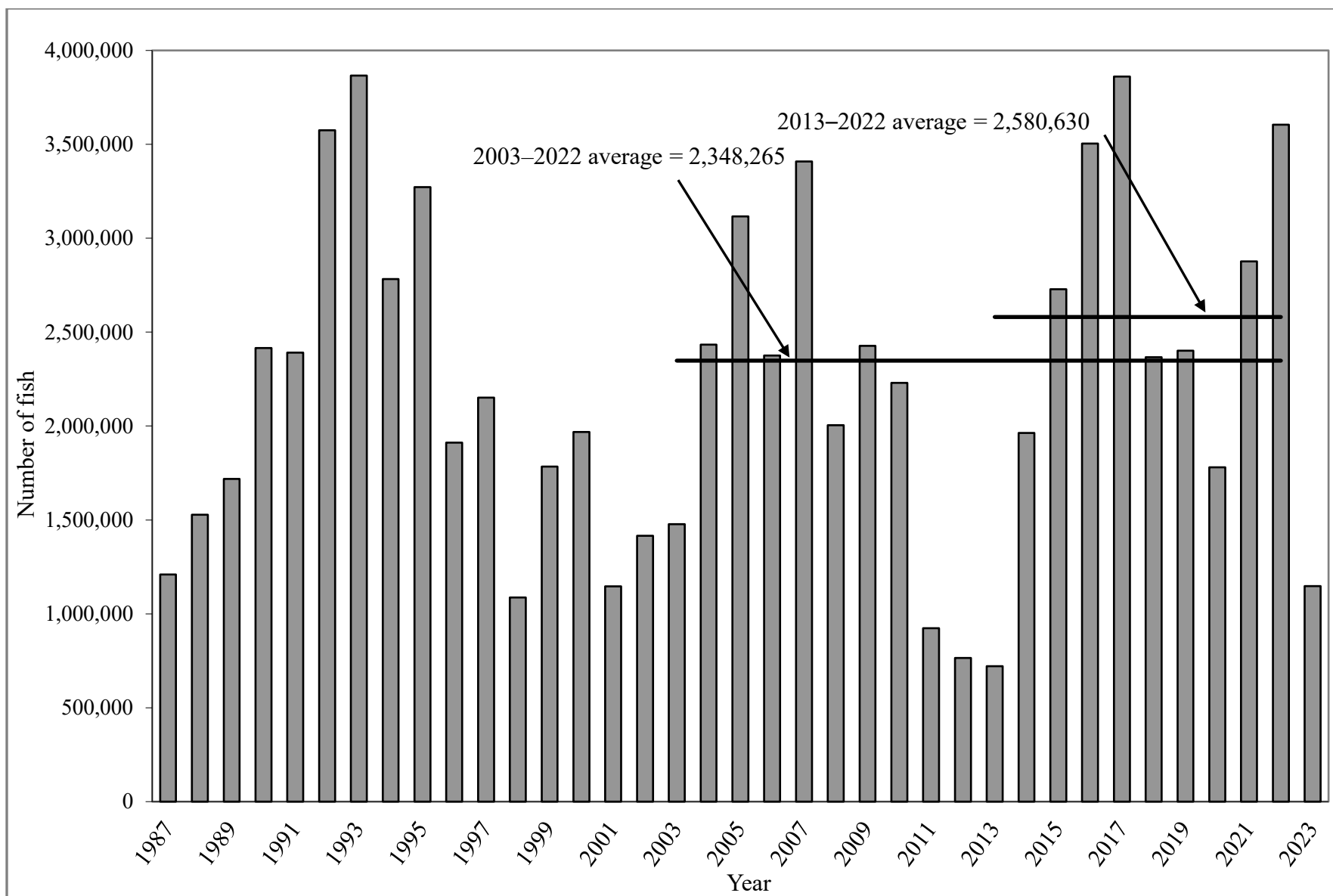


Figure 4.—North Alaska Peninsula commercial sockeye salmon harvest, 1987–2023.

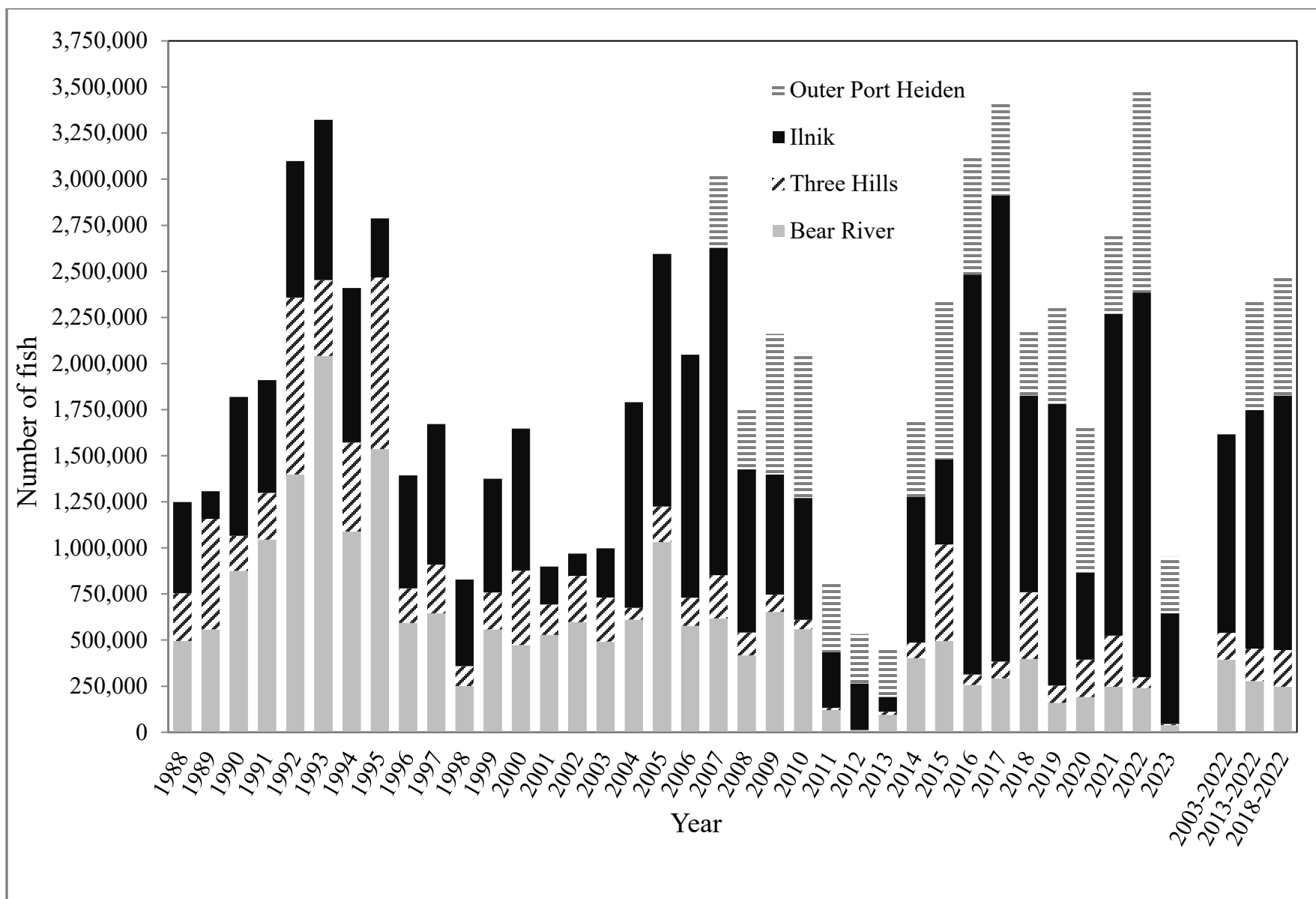


Figure 5.—Bear River, Three Hills, Ilnik, and Outer Port Heiden Sections commercial sockeye salmon harvest, 1988–2023.

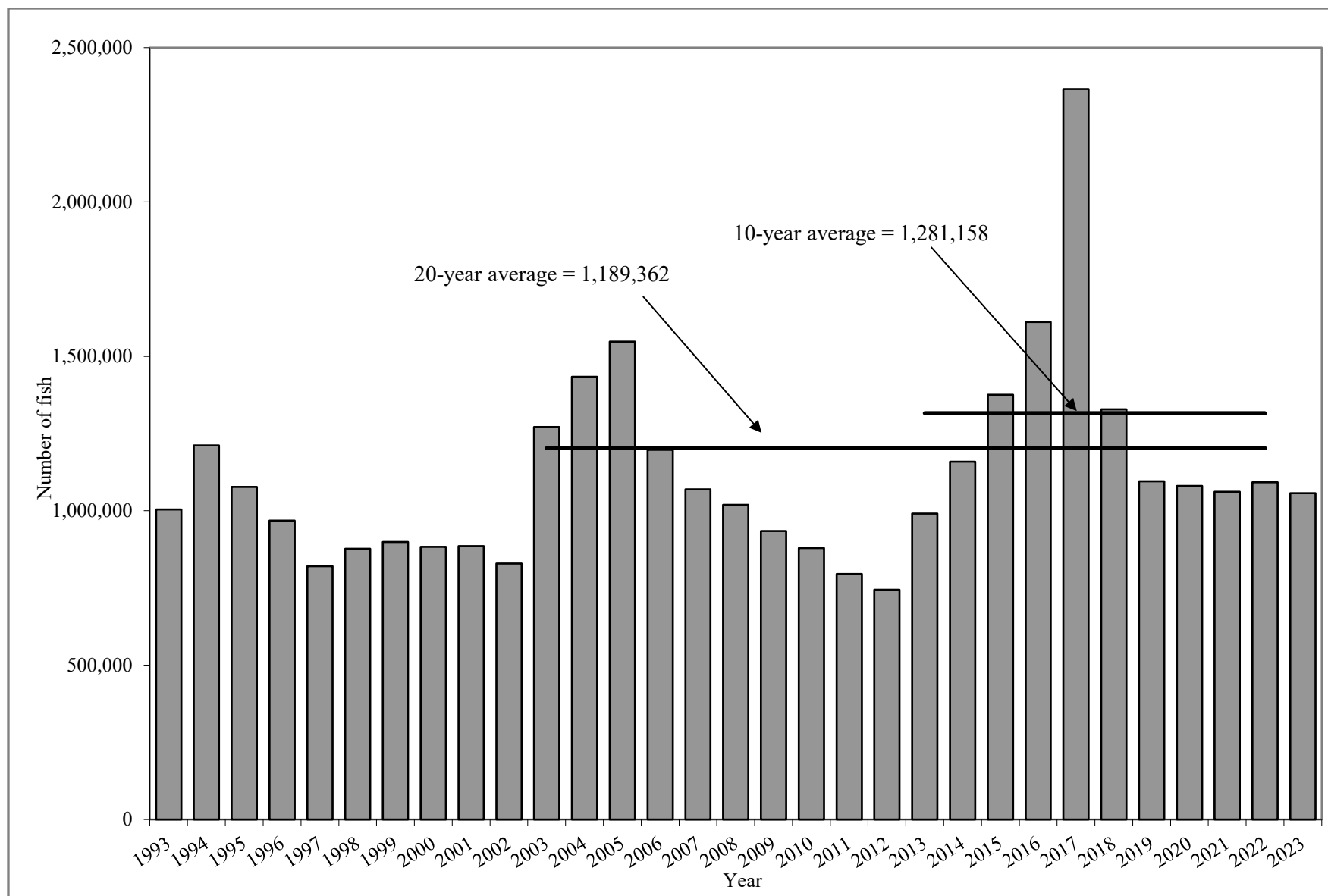


Figure 6.—North Alaska Peninsula sockeye salmon escapement, 1993–2023.

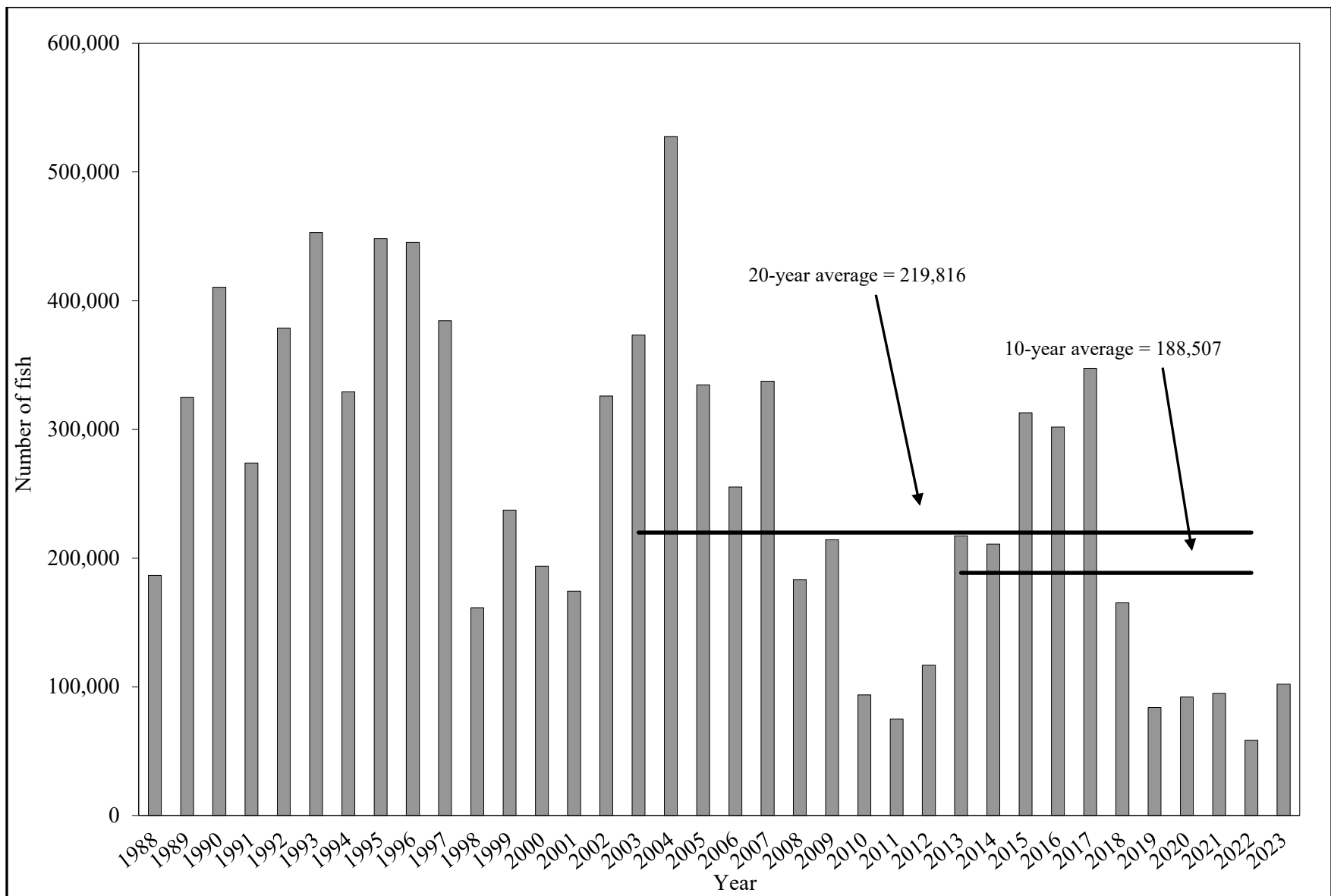


Figure 7.—Nelson Lagoon commercial sockeye salmon harvest, 1988–2023.

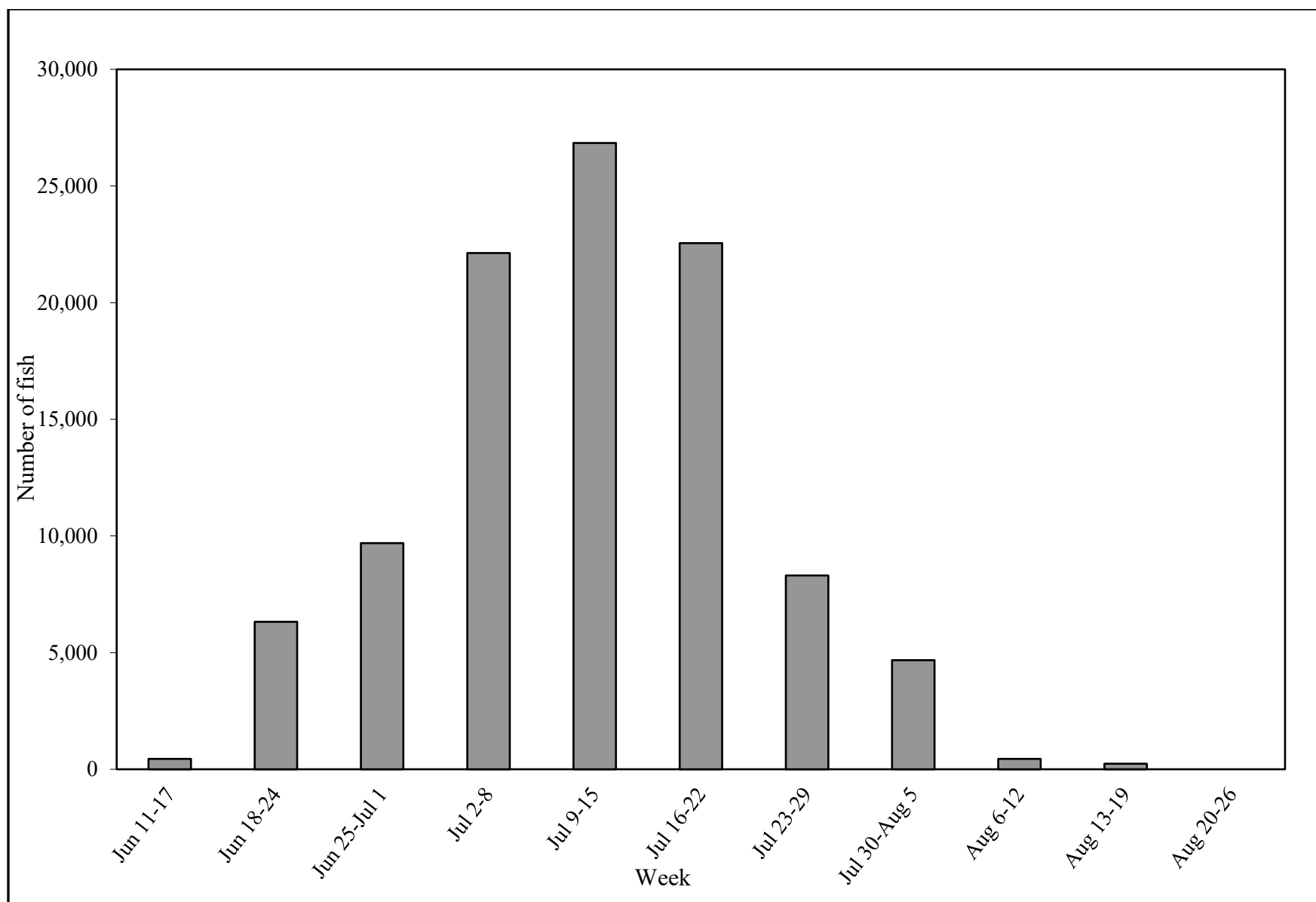


Figure 8.—Nelson Lagoon commercial sockeye salmon harvest by statistical week, 2023.

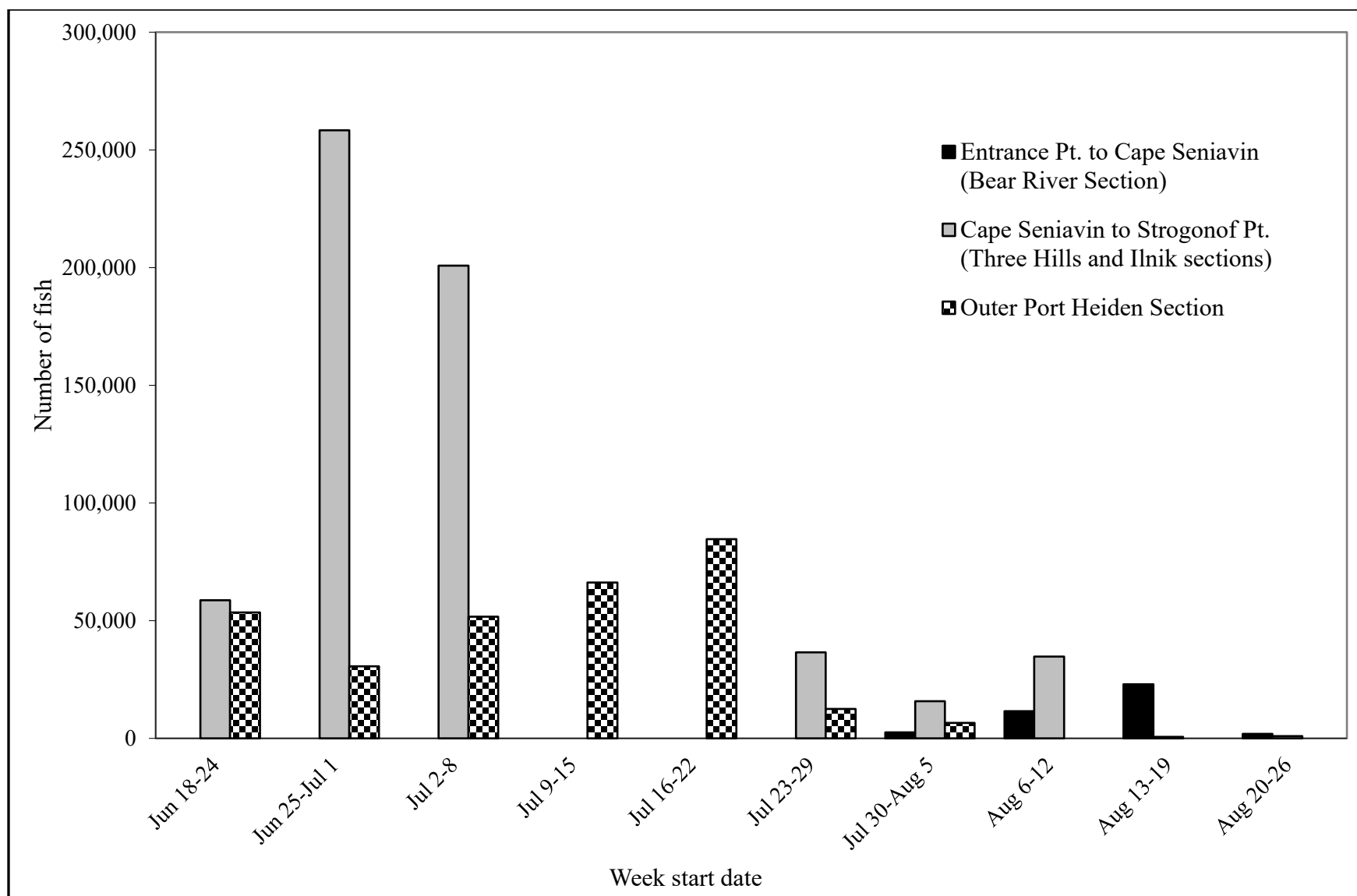


Figure 9.—Port Moller to Cape Seniavin, Cape Seniavin to Strogonof Point, and Outer Port Heiden sockeye salmon catch by statistical week, 2023.

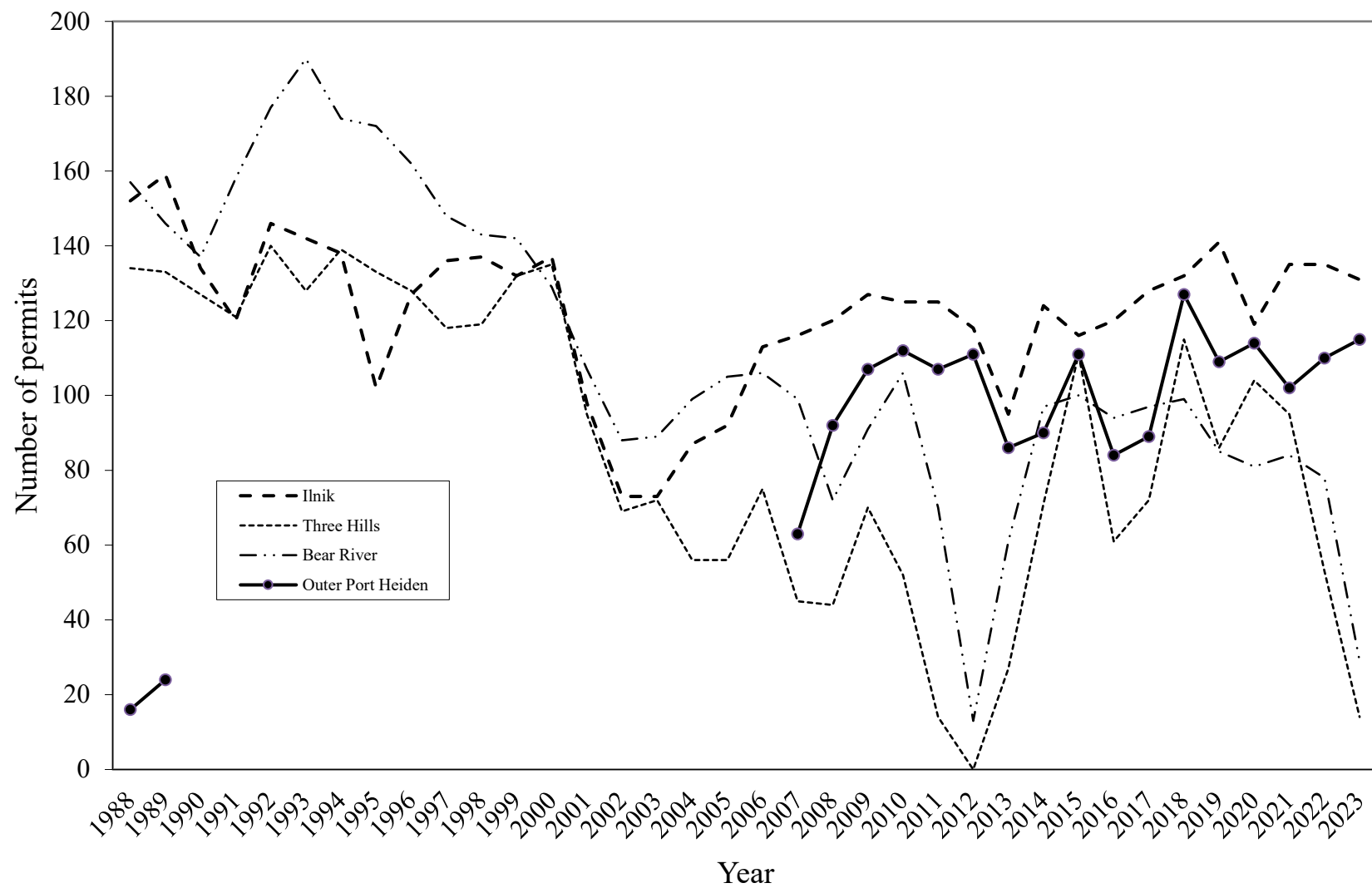


Figure 10.—Number of permits fished in the Ilnik, Three Hills, Bear River, and Outer Port Heiden Sections, 1988–2023.





## **APPENDIX A. NORTH ALASKA PENINSULA SALMON ESCAPEMENT**

Appendix A1.–North Alaska Peninsula estimated total escapement for Chinook, sockeye, pink, and chum salmon, and peak escapement counts for coho salmon, 2023.

Northwestern District						
Stream #	Stream name	Number of salmon <sup>a</sup>				
		Chinook	Sockeye	Coho	Pink	Chum
Urilia Bay Section						
311-30.06	Divide Creek	0	0	0	0	0
311-30.07	Whaleback Mtn. Creek	0	79,600	0	0	8,700
311-30.08	Christianson Lagoon	0	0	0	0	0
Christianson Lagoon System total		0	79,600	0	0	8,700
311-30.09	Mudhole	0	0	0	0	0
311-30.10	Clear Lagoon	0	2,900	0	0	300
Peterson Lagoon System total		0	2,900	0	0	300
311-40.01	Emil’s River	0	0	0	0	0
311-40.04	North Creek	0	0	0	0	0
311-40.07	Otter Point Creek	0	0	0	0	0
Total Urilia Bay Section		0	82,500	0	0	9,000
Swanson Lagoon Section						
311-50.01	Big River	0	0	0	0	0
311-50.02	Swanson Lagoon System	0	5	0	0	0
Total Swanson Lagoon Section		0	5	0	0	0
Bechevin Bay Section						
311-60.01	St. Catherine Cove	0	50	0	0	20,500
311-60.06	Anderson's Creek	0	0	0	0	100
311-60.07 & .08	Trader’s Cove	0	0	0	200	1,300
311-60.12	Warm Springs Bay	0	0	0	100	0
311-60.13	Hungry’s Creek	0	0	0	15,900	0
311-60.18	Lampsport Lagoon	0	0	0	0	0
Total Bechevin Bay Section		0	50	0	16,200	21,900
Izembek–Moffet Bay Section						
312-20.01	Norma Bay Lakes	0	0	0	0	0
312-20.02	Mike's Duck Camp Creek	0	0	0	0	0
312-20.03	Norma Bay, South	0	0	0	0	0
312-20.04	Third Bridge Creek	0	0	0	0	0
312-20.05	Frosty Creek	0	0	0	0	0
312-20.06	Blue Bill Lake	0	0	0	0	0
312-20.13	Outer Marker Lakes	0	0	0	0	0
312-20.51	Springs S Frosty Creek	0	0	0	0	0
312-20.52	Second Bridge Creek	0	0	0	0	0
Izembek Lagoon total		0	0	0	0	0
312-40.01	Joshua Green River	0	15,100	0	0	41,900
312-40.02	Moffet Springs Creek	0	200	0	0	3,100
312-40.03	Moffet Creek	0	0	0	0	6,000
312-40.04	Unnamed 0	0	0	0	0	0
312-40.05	Unnamed 0	0	0	0	0	0
Moffet Bay total		0	15,300	0	0	51,000
Total Izembek-Moffet Bay Section		0	15,300	0	0	51,000
Northwestern District total		0	97,855	0	16,200	81,900

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Northern District		Number of salmon <sup>a</sup>				
Stream #	Stream name	Chinook	Sockeye	Coho	Pink	Chum
Black Hills Section						
313-10.02	North Creek	0	11,200	0	0	0
313-10.05	Cathedral River	0	0	0	0	0
313-10.06	Russian (Trader Mtn.) River	0	0	0	500	1,500
313-10.09	AMOCO Airstrip Creek	0	0	0	1,000	500
313-10.11	Black Hills Creek	0	100	0	500	500
313-10.14	Steelhead Creek	0	5000	0	1,500	4,500
313-10.15	Mainshak Creek	0	0	0	0	0
Total Black Hills Section		0	16,300	0	3,500	7,000
Nelson Lagoon Section						
313-30.01 & 04	David's River	0	7,500	0	0	0
313-30.02	Caribou River	0	5,000	0	0	0
313-30.03	Nelson (Sapsuk) River	4,078	250,213	5,000	264	143
Total Nelson Lagoon Section		4,078	262,713	5,000	264	143
Herendeen–Moller Bay Section						
314-20.02	Buck Valley	0	0	0	0	0
314-20.03	Doe Valley	0	0	0	200	0
314-20.04	Deer Valley	0	1,200	0	3,200	47,200
314-20.05	Portage Valley	0	0	0	200	500
314-20.06	Grass Valley	0	200	0	400	3,500
314-20.07	Lawrence Valley	0	0	0	5,100	27,500
314-20.08	Mine Harbor	0	0	0	0	0
314-20.09	Coal Creek	0	0	0	0	4,500
Herendeen Bay total		0	1,400	0	9,100	83,200
314-30.04	Mud Bay, west creek	0	0	0	800	2,200
314-30.05	Mud Bay, east creek	0	0	0	1,500	3,000
314-30.07	Right Head Bay, south creek	0	0	0	500	1,000
314-30.09	Right Head Bay, north creek	0	0	0	2,000	15,000
314-30.10	Left Head Creek	0	0	0	2,100	10,000
Moller Bay total		0	0	0	6,900	31,000
Total Herendeen-Moller Bay Section		0	2,800	0	16,000	104,200
Bear River Section						
315-10.01	Frank's Lagoon	0	0	250	3,000	12,000
315-10.02	King Salmon River	0	0	0	0	0
315-11.02	Bear River	4	452,329	0	188	4
315-12.01	Sandy River	21	48,757	0	106	1
Total Bear River Section		25	501,086	250	3,294	12,005
Three Hills Section						
316-10.01	Lime Creek	0	100	0	0	0
316-10.02	Mid Three Hills	0	500	0	0	0
316-10.04	SW Three Hills	0	0	0	0	0
Total Three Hills Section		0	600	0	0	0

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Appendix A1.–Page 3 of 4.

Northern District (continued)		Number of salmon <sup>a</sup>				
Stream #	Stream name	Chinook	Sockeye	Coho	Pink	Chum
Ilnik Section						
316-10.05	Ocean River/Wildman Lake	0	6,000	0	0	0
316-10.06	Willie Creek	0	0	0	0	0
316-20.01	Ilnik River	0	103,021	0	0	0
316-20.04	Unangashak River	0	0	0	0	0
316-20.05	East of Unangashak River	0	0	0	0	0
316-20.06	North of Unangashak River	0	0	0	0	0
Total Ilnik Section		0	109,021	0	0	0
Inner Port Heiden Section						
317-20.01	Unnamed, Port Heiden Area	0	0	0	0	0
317-20.02	Charles Creek	0	100	0	0	0
West Port Heiden Bay total		0	100	0	0	0
317-20.06	Highland Creek	0	0	0	0	0
317-20.04A & B	Red & Yellow Bluff Creeks	0	42,000	0	0	2,000
317-20.07 A	Meshik River, mainstem	400	18,400	6,800	0	8,000
317-20.07 B	Braided Creek	0	500	0	0	0
317-20.07 C	Landlocked Creek	0	500	0	0	0
317-20.07 D	Bluff Creek	0	0	0	0	0
317-20.07 E	Blue Violet Creek	100	2,500	0	0	100
317-20.07 F	Wolf Creek	0	8,000	0	0	1,000
317-20.07 G	Meshik River, G Creek	0	0	0	0	0
317-20.07 H	Shoe Creek	0	2,500	0	0	500
317-20.07 J	Meshik River, J Creek	0	0	0	0	0
317-20.07 K	Meshik River, K Creek	100	5,300	0	0	2,000
317-20.07 L	Meshik River, L Creek	0	1,500	0	0	400
317-20.07 M	Meshik River, M Creek	0	0	0	0	0
317-20.07 N	Meshik River, N Creek	0	400	0	0	0
317-20.07 O	Plenty Bear Creek	50	2,500	0	0	2,500
317-20.07 O-A	Paddle Creek	0	1,500	0	0	300
317-20.07 P	Waterfall Creek	0	700	0	0	0
317-20.07 R	Rainbow Creek	50	8,200	0	0	500
317-20.07 T	Cub Creek	0	500	0	0	0
Meshik River total		700	79,100	6,800	0	42,550
317-20.08	Birthday Creek	2	500	0	0	1,200
317-20.09	Barabara Creek	0	0	0	0	0
Total Inner Port Heiden Section		702	79,700	6,800	0	17,300
Outer Port Heiden section						
318-10.01	Reindeer Creek	0	1,500	200	0	500
Total Outer Port Heiden Section		0	1,500	200	0	500

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Northern District (continued)		Number of salmon <sup>a</sup>				
Stream #.	Stream name	Chinook	Sockeye	Coho	Pink	Chum
Cinder River Section						
318-20.01	SW of Mud Creek	0	0	0	0	0
SW of Cinder River total		0	0	0	0	0
318-20.04	Mud Creek	0	9,200	0	0	500
318-20.06 A	Cinder River, mainstem	200	9,000	5,200	500	1,500
318-20.06 B	Cinder River, B Creek	0	0	0	0	0
318-20.06 C	Cinder River, C Creek	0	0	0	0	0
318-20.06 D	Lava Creek	0	20,000	0	0	5,000
318-20.06 E	High Creek	0	2,500	0	0	500
318-20.06 H	Meloy Creek	50	7,500	0	0	2,000
318-20.06 J	Wiggly Creek	0	9,000	0	0	1,000
318-20.06 K	Ray Creek	25	2,500	0	0	100
318-20.06 L	Cinder River, L Creek	0	100	0	0	1,000
318-20.06 P	Cinder River, P Creek	0	0	0	0	0
Cinder River total		275	59,800	5,200	500	11,600
Total Cinder River Section		275	59,800	5,200	500	11,600
Northern District total		5,082	1,033,520	17,450	23,558	152,748
Total North Peninsula		5,082	1,131,375	17,450	39,758	234,648

<sup>a</sup> Chinook, sockeye, pink, and chum salmon numbers are estimated total escapements. Coho salmon numbers are peak counts and based on limited data.

Appendix A2.—North Alaska Peninsula aerial salmon surveys, 2023.

Stream		Location	Visibility	Species					Observer remarks
Observer	Date			Chinook	Sockeye	Coho	Pink	Chum	
Whaleback Mtn Crk 311-3007									
	8/10/2023	Stream	G	0	79,600	0	0	8,700	8,500 sockeye carcasses.
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Clear Lagoon 311-3010									
	8/10/2023	Stream	F	0	2,900	0	0	300	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Swanson Lagoon 311-5002									
	8/10/2023	Stream	F	0	5	0	0	0	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Mike's Valley 311-6001									
	8/1/2023	Stream	G	0	0	0	0	20,500	
Matt Keyse		Mouth	G	0	0	0	0	0	
Aerial Survey		Bay	G	0	0	0	0	0	
	8/10/2023	Stream	F	0	50	0	0	32,700	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Location	Visibility	Species					Observer remarks
Observer	Date			Chinook	Sockeye	Coho	Pink	Chum	
Anderson's Creek 311-6006									
	8/10/2023	Stream	G	0	0	0	0	0	No fish.
Matt Keyse		Mouth	G	0	0	0	0	100	
Aerial Survey		Bay	U	0	0	0	0	0	
Trader's Cove South Trib 311-6007									
	8/10/2023	Stream	G	0	0	0	0	1,300	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Trader's Cove 311-6008									
	8/10/2023	Stream	G	0	0	0	200	0	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Warmsprings Bay 311-6012									
	8/10/2023	Stream	G	0	0	0	100	0	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Hungry's Creek 311-6013									
	8/10/2023	Stream	G	0	0	0	15,900	0	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Species							Observer remarks
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Joshua Green River 312-4001									
	7/30/2023	Stream	F	0	12,900	0	0	5,000	
Matt Keyse		Mouth	F	0	0	0	0	0	
Aerial Survey		Bay	F	0	0	0	0	0	
	8/17/2023	Stream	F	0	15,100	0	0	41,900	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Moffet Springs Crk 312-4002									
	8/17/2023	Stream	F	0	200	0	0	3,100	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Moffet Creek 312-4003									
	8/17/2023	Stream	F	0	0	0	0	6,000	
Matt Keyse		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Species							Observer remarks
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
North Creek 313-1002									
	8/11/2023	Stream	E	0	11,200	0	0	0	
Charles Russell		Mouth	P	0	0	0	0	0	
Aerial Survey		Bay	P	0	0	0	0	0	
Cathedral River 313-1005									
	8/11/2023	Stream	P	0	0	0	0	0	
Charles Russell		Mouth	P	0	0	0	0	0	
Aerial Survey		Bay	P	0	0	0	0	0	
Trader Mtn Cr. (Russian R.) 313-1006									
	8/11/2023	Stream	E	0	0	0	500	1,500	
Charles Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Amoco Airstrip Creek 313-1009									
	8/11/2023	Stream	E	0	0	0	1,000	500	
Charles Russell		Mouth	E	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Black Hills Creek 313-1011									
	8/11/2023	Stream	E	0	100	0	500	500	
Charles Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Species							
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	Observer remarks
Steelhead Creek 313-1014									
	8/11/2023	Stream	E	0	5,000	0	500	2,000	
Charles Russell		Mouth	E	0	0	0	1,000	2,500	
Aerial Survey		Bay	P	0	0	0	0	0	
Mainshak Creek 313-1015									
	8/11/2023	Stream	P	0	0	0	0	0	
Charles Russell		Mouth	P	0	0	0	0	0	
Aerial Survey		Bay	P	0	0	0	0	0	
David's River 313-3001									
	8/11/2023	Stream	E	0	7,500	0	0	0	
Charles Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Caribou River 313-3002									
	8/11/2023	Stream	E	0	5,000	0	0	0	
Charles Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Sapsuk River, Branches and Lake 313-3003									
	6/28/2023	Stream	E	0	1,500	0	0	0	
William Middleton		Mouth	U	0	0	0	0	0	Below weir 300 yards.
Aerial Survey		Bay	U	0	0	0	0	0	

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## Appendix A2.–Page 6 of 18.

Stream		Species							Observer remarks
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
William Middleton Aerial Survey	7/8/2023	Stream	E	0	5,000	0	0	0	Majority from weir to 300 yards back.
		Mouth	U	0	0	0	0	0	
		Bay	U	0	0	0	0	0	
Charles Russell Aerial Survey	8/19/2023	Stream	E	0	2,000	800	0	0	
		Mouth	U	0	0	0	0	0	
		Bay	U	0	0	0	0	0	
Charles Russell Aerial Survey	8/29/2023	Stream	P	0	0	5,000	0	0	
		Mouth	U	0	0	0	0	0	
		Bay	U	0	0	0	0	0	
Doe Valley 314-2003									
Charlie Russell Aerial Survey	8/19/2023	Stream	E	0	0	0	200	0	
		Mouth	U	0	0	0	0	0	
		Bay	U	0	0	0	0	0	
Deer Valley 314-2004									
Charlie Russell Aerial Survey	8/19/2023	Stream	E		1,200		3,200	47,200	
		Mouth	U	0	0	0	0	0	
		Bay	U	0	0	0	0	0	
Portage Creek 314-2005									
William Middleton Aerial Survey	8/11/2023	Stream	E	0	0	0	0	500	
		Mouth	U	0	0	0	0	0	
		Bay	U	0	0	0	0	0	

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Stream		Species							Observer remarks
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Charlie Russell Aerial Survey	8/19/2023	Stream	E	0	0	0	200	500	2 sockeye carcasses. Reds up in small side lake and ponds
		Mouth	U	0	0	0	0	0	
		Bay	U	0	0	0	0	0	
Grass Valley 314-2006									
William Middleton Aerial Survey	8/11/2023	Stream	E	0	200	0	0	3,500	
		Mouth	P	0	0	0	0	0	
		Bay	P	0	0	0	0	0	
Charlie Russell Aerial Survey	8/19/2023	Stream	E	0	0	0	400	600	
		Mouth	U	0	0	0	0	0	
		Bay	U	0	0	0	0	0	
Lawrence Valley 314-2007									
Charlie Russell Aerial Survey	8/19/2023	Stream	E	0	0	0	5,100	27,500	
		Mouth	U	0	0	0	0	0	
		Bay	U	0	0	0	0	0	
Coal Creek 314-2009									
William Middleton Aerial Survey	8/11/2023	Stream	E	0	0	0	0	4,500	
		Mouth	E	0	0	0	0	0	
		Bay	E	0	0	0	0	0	

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Stream		Location	Visibility	Species					Observer remarks
Observer	Date			Chinook	Sockeye	Coho	Pink	Chum	
Mud Bay, West Creek 314-3004									
	8/11/2023	Stream	E	0	0	0	0	2,000	
William Middleton		Mouth	E	0	0	0	0	0	
Aerial Survey		Bay	E	0	0	0	0	0	
	8/19/2023	Stream	E	0	0	0	800	2,200	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Mud Bay, East Creek 314-3005									
	8/11/2023	Stream	E	0	0	0	0	3,000	
William Middleton		Mouth	E	0	0	0	0	0	
Aerial Survey		Bay	E	0	0	0	0	0	
	8/19/2023	Stream	E	0	0	0	1,500	200	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Right Head Bay, South Creek 314-3007									
	8/11/2023	Stream	E	0	0	0	0	300	
William Middleton		Mouth	E	0	0	0	0	0	
Aerial Survey		Bay	E	0	0	0	0	0	
	8/19/2023	Stream	E	0	0	0	500	1,000	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Location	Visibility	Species					Observer remarks
Observer	Date			Chinook	Sockeye	Coho	Pink	Chum	
Right Head Bay, North Creek 314-3009									
	8/11/2023	Stream	E	0	0	0	2,000	15000	
William Middleton		Mouth	E	0	0	0	0	0	
Aerial Survey		Bay	E	0	0	0	0	0	
	8/19/2023	Stream	E	0	0	0	2,000	3,000	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Left Head Creek 314-3010									
	8/11/2023	Stream	E	0	0	0	0	10,000	
William Middleton		Mouth	E	0	0	0	500	0	
Aerial Survey		Bay	E	0	0	0	0	0	
	8/19/2023	Stream	E	0	0	0	2,100	3,500	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Frank's Lagoon 315-1001									
	8/19/2023	Stream	E	0	0	250	3,000	12,000	
Charlie Russell		Mouth	E	0	0	0	0	0	
Aerial Survey		Bay	P	0	0	0	0	0	

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Stream		Species							Observer remarks
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Bear River, Branches and Lake 315-1102									
	6/20/2023	Stream	E	0	1,000	0	0	0	
Charles Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
	6/28/2023	Stream	E	0	1,000	0	0	0	
Charles Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
	8/29/2023	Stream	G	0	8,000	0	0	0	
Charles Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Sandy River and Lake 315-1201									
	8/19/2023	Stream	E	0	45,000	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Lime Creek 316-1001									
	8/19/2023	Stream	E	0	100	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
C. Seniavin/Three Hills 316-1002									
	8/19/2023	Stream	E	0	500	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Species							
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	Observer remarks
Sw Three Hills 316-1004									
	8/19/2023	Stream	E	0	0	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Ocean River 316-1005									
	6/28/2023	Stream	E	0	3,200	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Ilnik River/Estuary 316-2001									
	8/29/2023	Stream	P	0	0	0	0	0	
Charles Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Bluff Creeks (Both) 317-2004									
	8/14/2023	Stream	E	0	42,000	0	0	2,000	Yellow B. – 22,000 S
Charlie Russell		Mouth	U	0	0	0	0	0	Red B. – 20,000 S, 2,000
Aerial Survey		Bay	U	0	0	0	0	0	Chum
Birthday Creek 317-2008									
	8/14/2023	Stream	E	20	500	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream				Species					Observer remarks
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Birthday Creek 317-2008									
	8/14/2023	Stream	E	0	100	0	0	1200	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Barbara Creek 317-2009									
	8/14/2023	Stream	U	0	0	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Meshik River, Mainstem 317-207A									
	6/20/2023	Stream	F	0	1,500	0	0	0	
Charlie Russell		Mouth	F	0	2,000	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
	6/20/2023	Stream	E	200	11,200	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
	7/6/2023	Stream	F	400	18,400	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
	8/14/2023	Stream	E	0	2,500	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
	8/29/2023	Stream	F	0	0	6,800	0	0	
Charles Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Species							Observer remarks
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Braided Creek 317-207B									
	8/14/2023	Stream	E	0	500	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Landlocked Cr. (Hotsprings Cr.) 317-207C									
	8/14/2023	Stream	E	0	500	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Bluff Creek, Branch of Landlocked 317-207D									
	8/14/2023	Stream	U	0	0	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Blue Violet, Sleepy & Black Creeks 317-207E									
	8/14/2023	Stream	E	100	2,500	0	0	100	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Wolf Creek 317-207F									
	8/14/2023	Stream	E	0	8,000	0	0	1,000	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Location	Visibility	Species					Observer remarks
Observer	Date			Chinook	Sockeye	Coho	Pink	Chum	
Meshik River, G Creek 317-207G									
	8/14/2023	Stream	E	0	0	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Shoe Creek 317-207H									
	8/14/2023	Stream	E	0	2,500	0	0	500	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Meshik River, J Creek 317-207J									
	8/14/2023	Stream	U	0	0	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Meshik River, K Creek 317-207K									
	8/14/2023	Stream	E	100	5,300	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Meshik River, L Creek 317-207L									
	8/14/2023	Stream	E	0	1,500	0	0	400	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream				Species					Observer remarks
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Meshik River, M Creek 317-207M									
	8/14/2023	Stream	E	0	0	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Meshik River, N Creek 317-207N									
	8/14/2023	Stream	E	0	400	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Plenty Bear Creek 317-207O									
	8/14/2023	Stream	E	50	2,500	0	0	2,500	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Paddle Creek 317-207OA									
	8/14/2023	Stream	E	0	1,500	0	0	300	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Waterfall Creek 317-207P									
	8/14/2023	Stream	E	0	700	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Species							Observer remarks
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Rainbow Creek 317-207R									
	8/14/2023	Stream	E	50	8,200	0	0	500	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Cub Creek 317-207T									
	8/14/2023	Stream	E	0	500	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Reindeer Creek 318-1001									
	8/14/2023	Stream	E	0	1,500	200	0	500	
Charlie Russell		Mouth	P	0	0	0	0	0	
Aerial Survey		Bay	P	0	0	0	0	0	
	8/29/2023	Stream	F	0	0	200	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Mud Creek 318-2004									
	8/14/2023	Stream	E	0	9,200	0	0	500	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Location	Visibility	Species					Observer remarks
Observer	Date			Chinook	Sockeye	Coho	Pink	Chum	
Cinder River, Mainstem 318-206A									
	8/14/2023	Stream	E	200	9,000	200	500	1,500	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
	8/29/2023	Stream	F	0	0	5,200	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Cinder River, B Creek 318-206B									
	8/14/2023	Stream	U	0	0	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Cinder River, C Creek 318-206C									
	8/14/2023	Stream	U	0	0	0	0	0	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Lava Creek 318-206D									
	8/14/2023	Stream	E	0	20,000	0	0	5,000	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	

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Stream		Species							
Observer	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	Observer remarks
High Creek 318-206E									
	8/14/2023	Stream	E	0	2,500	0	0	500	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Meloy Creek 318-206H									
	8/14/2023	Stream	E	700	16,000	0	0	5,200	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Wiggly Creek 318-206J									
	8/14/2023	Stream	E	700	21,000	0	0	5,200	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Ray Creek 318-206K									
	8/14/2023	Stream	E	50	2,600	0	0	150	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	
Cinder River, L Creek 318-206L									
	8/14/2023	Stream	E	400	11,000	0	0	2,000	
Charlie Russell		Mouth	U	0	0	0	0	0	
Aerial Survey		Bay	U	0	0	0	0	0	





## **APPENDIX B. AGE, SEX, AND LENGTH DATA**

Appendix B1.—Estimated age composition of Bear Lake early-run sockeye salmon escapement (through 31 July), 2023.

Statistical week	Sample size		Age						Total
			1.1	1.2	1.3	1.4	2.1	2.2	
23: 5/31–6/6	0	Percent	25.0	17.1	34.2	0.0	4.0	9.2	100.0
		Number	3	2	3	0	0	1	10
24: 6/7–6/13	0	Percent	25.0	17.1	34.2	0.0	3.9	9.2	100.0
		Number	61	42	83	0	10	22	243
25: 6/14–6/20	76	Percent	24.6	17.0	34.2	0.1	4.3	9.3	100.0
		Number	852	589	1,186	2	148	324	3,467
26: 6/21–6/27	218	Percent	17.7	15.7	32.6	1.1	11.2	10.5	100.0
		Number	1,297	1,151	2,382	77	819	771	7,313
27: 6/28–7/4	223	Percent	16.9	18.7	32.4	0.7	13.8	7.0	100.0
		Number	2,930	3,236	5,614	122	2,396	1,213	17,346
28: 7/5–7/11	233	Percent	8.3	19.8	47.3	1.2	4.9	6.9	100.0
		Number	2,264	5,398	12,930	317	1,349	1,895	27,331
29: 7/12–7/18	229	Percent	9.7	21.5	47.8	0.9	2.0	4.3	100.0
		Number	5,083	11,307	25,187	484	1,053	2,289	52,656
30: 7/19–7/25	0	Percent	7.3	18.7	50.0	1.1	2.3	6.3	100.0
		Number	7,850	20,101	53,650	1,227	2,454	6,772	107,233
31: 7/26–8/1	224	Percent	5.8	17.0	51.4	1.3	2.6	7.6	100.0
		Number	3,782	11,079	33,408	841	1,683	4,964	65,027
Totals	1,203	Percent	8.6	18.9	47.9	1.1	3.5	6.5	100.0
		Number	24,121	52,904	134,444	3,070	9,911	18,252	280,626

Note: Cells with percent values of 0.0 indicate age classes were not present or represented less than 0.05% of the total run.

Appendix B2.—Length composition and standard error (SE) of Bear Lake early-run sockeye salmon escapement (through 31 July) samples by age and sex, 2023.

Females								
Mean length (mm)	—	470.36	538.62	561.5	—	475.67	538.76	521.36
SE	—	3.18	1.31	3.5	—	5.01	2.27	1.68
Range	—	408–561	436–595	558–565	—	414–562	456–590	408–595
Sample size	0	96	303	2	0	43	89	533
Males								
Mean length (mm)	344	463	550	587	347	457	552	456
SE	2	3	2	8	2	5	3	4
Range	280–438	395–550	470–606	540–618	310–419	401–557	476–610	280–618
Sample size	150	123	196	10	85	49	57	670
All Fish								
Mean length (mm)	344	466	543	583	347	466	544	485
SE	2	2	1	7	2	4	2	2
Range	280–438	395–561	436–606	540–618	310–419	401–562	456–610	280–618
Sample size	150	219	499	12	85	92	146	1,203

Appendix B3.—Estimated sex composition of Bear River sockeye salmon escapement by statistical week, 2023.

Statistical week	Dates	Sample size	Escapement				
			Percent		Number		
			Females	Males	Females	Males	Total
23	5/31–6/6	0	51.3	48.8	5	5	10
24	6/7–6/13	0	51.3	48.8	125	118	243
25	6/14–6/20	80	51.7	48.3	1,793	1,674	3,467
26	6/21–6/27	240	61.2	38.8	4,478	2,835	7,313
27	6/28–7/4	240	63.7	36.3	11,058	6,288	17,346
28	7/5–7/11	240	53.7	46.3	14,669	12,662	27,331
29	7/12–7/18	240	51.9	48.1	27,337	25,319	52,656
30	7/19–7/25	0	48.0	52.0	51,438	55,795	107,233
31	7/26–8/1	240	45.7	54.3	29,713	35,314	65,027
Total	Early run	1,280	50.1	49.9	140,614	140,012	280,626
31	7/26–8/1	0	47.9	52.1	4,540	4,935	9,475
32	8/2–8/8	240	47.3	52.7	23,447	26,126	49,573
33	8/9–8/15	240	46.1	53.9	17,631	20,617	38,248
34	8/16–8/22	240	51.1	48.9	16,064	15,343	31,407
35	8/23–8/29	0	51.7	48.3	11,108	10,392	21,500
36	8/30–9/5	0	51.7	48.3	7,233	6,767	14,000
37	9/6–9/12	0	51.7	48.3	3,100	2,900	6,000
38	9/13–9/19	0	51.7	48.3	775	725	1,500
Total	Late run	720	48.9	51.1	83,898	87,805	171,703

Appendix B4.—Estimated age composition of Bear Lake late-run sockeye salmon escapement (post 31 July), 2023.

Statistical week	Sample size		Age							Total
			1.1	1.2	1.3	1.4	2.1	2.2	2.3	
31: 7/26–8/1	0	Percent	8.4	15.1	58.7	0.4	1.8	10.7	4.9	100.0
		Number	800	1,432	5,559	42	168	1,011	463	9,475
32: 8/2–8/8	225	Percent	9.1	16.3	56.3	0.4	1.8	11.3	4.8	100.0
		Number	4,526	8,064	27,926	174	891	5,591	2,401	49,573
33: 8/9–8/15	214	Percent	10.5	20.5	48.5	0.1	2.0	13.9	4.6	100.0
		Number	4,011	7,843	18,537	27	755	5,328	1,746	38,248
34: 8/16–8/22	222	Percent	5.1	28.6	38.2	0.0	3.1	21.8	3.3	100.0
		Number	1,591	8,982	11,994	0	959	6,854	1,028	31,407
35: 8/23–8/29	0	Percent	4.5	29.3	37.4	0.0	3.2	22.5	3.2	100.0
		Number	968	6,295	8,038	0	678	4,842	678	21,500
36: 8/30–9/5	0	Percent	4.5	29.3	37.4	0.0	3.2	22.5	3.2	100.0
		Number	631	4,099	5,234	0	441	3,153	441	14,000
37: 9/6–9/12	0	Percent	4.5	29.3	37.4	0.0	3.2	22.5	3.2	100.0
		Number	270	1,757	2,243	0	189	1,351	189	6,000
38: 9/13–9/19	0	Percent	4.5	29.3	37.4	0.0	3.2	22.5	3.2	100.0
		Number	68	439	561	0	47	338	47	1,500
Totals	661	Percent	7.5	22.7	46.6	0.1	2.4	16.6	4.1	100.0
		Number	12,865	38,910	80,093	243	4,130	28,469	6,993	171,703

Appendix B5.—Length composition and standard error (SE) of Bear Lake late-run sockeye salmon escapement (post 31 July) samples by age and sex, 2023.

		Age							
		1.1	1.2	1.3	1.4	2.1	2.2	2.3	Total
Females									
Mean length (mm)		—	486	539	—	—	493	541	521
SE		—	4	2	—	—	3	3	2
Range		—	418–563	425–600	—	—	412–543	516–565	412–600
Sample size		0	59	198	0	0	65	16	338
Males									
Mean length (mm)		366	472	558	599	374	494	557	488
SE		3	4	3	—	6	6	9	4
Range		322–427	420–575	475–620	—	335–424	435–574	506–605	322–620
Sample size		54	84	119	1	15	38	12	323
All Fish									
Mean length (mm)		366	478	546	599	374	494	548	505
SE		3	3	1	—	6	3	4	2
Range		322–427	418–575	425–620	—	335–424	412–574	506–605	322–620
Sample size		54	143	317	1	15	103	28	661

Appendix B6.— Estimated Bear River late-run sockeye salmon escapement, catch, and total run, by age, 2023.

			Age						Total
Sample size			1.1	1.2	1.3	1.4	2.1	2.2	
Escapement <sup>a</sup>	661	Percent	7.5	22.7	46.6	0.1	2.4	16.6	100.0
		Numbers	12,865	38,910	80,093	243	4,130	28,469	171,703
Catch	0	Percent	8.8	20.3	49.8	0.2	2.1	14.4	100.0
		Numbers	7,186	16,539	40,498	143	1,721	11,704	81,392
Total	661	Percent	7.9	21.9	47.6	0.2	2.3	15.9	100.0
		Numbers	20,051	55,450	120,590	386	5,851	40,172	253,095

<sup>a</sup> Includes post-weir estimate

Appendix B7.—Estimated age composition of Ilnik River sockeye salmon escapement, 2023.

Week	Sample size		Age									Total
			0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.2	2.3	
23: 5/31–6/6	37	Percent	0.0	13.5	5.4	0.0	0.0	73.0	5.4	0.0	2.7	100.0
		Numbers	0	429	171	0	0	2,315	171	0	86	3,172
24: 6/7–6/13	0	Percent	0.7	17.5	4.7	0.0	0.7	70.7	3.4	1.0	1.2	100.0
		Numbers	64	1,500	400	0	64	6,070	294	85	104	8,580
25: 6/14–6/20	222	Percent	1.3	20.3	4.1	0.0	1.3	69.1	2.0	1.7	0.2	100.0
		Numbers	357	5,692	1,157	0	357	19,371	561	477	42	28,015
26: 6/21–6/27	126	Percent	1.5	17.3	3.3	0.4	3.0	70.5	2.1	1.0	1.1	100.0
		Numbers	299	3,538	667	76	603	14,392	424	195	229	20,422
27: 6/28–7/4	48	Percent	2.0	11.1	0.7	1.7	9.7	72.1	0.4	1.6	0.5	100.0
		Numbers	358	1,951	124	302	1,706	12,621	71	281	88	17,502
28: 7/5–7/11	207	Percent	2.4	12.8	3.1	0.6	11.9	66.7	0.4	0.6	1.3	100.0
		Numbers	316	1,696	410	82	1,579	8,829	59	82	176	13,227
29: 7/12–7/18	0	Percent	2.4	13.0	3.4	0.5	12.1	66.2	0.5	0.5	1.4	100.0
		Numbers	196	1,057	274	39	979	5,363	39	39	117	8,103
30: 7/19–7/25	0	Percent	2.4	13.0	3.4	0.5	12.1	66.2	0.5	0.5	1.4	100.0
		Numbers	97	522	135	19	483	2,647	19	19	58	4,000
33: 8/9–8/15	0	Percent	2.4	13.0	3.4	0.5	12.1	66.2	0.5	0.5	1.4	100.0
		Numbers	145	783	203	29	725	3,971	29	29	87	6,000
Totals	640	Percent	1.7	15.7	3.2	0.5	6.0	69.3	1.5	1.1	0.9	100.0
		Numbers	1,831	17,168	3,541	547	6,497	75,577	1,666	1,207	987	109,021

*Note:* Cells with values of 0.0 indicate age classes were not present or represented less than 0.05% of the total run.

Appendix B8.—Length composition and standard error (SE) of Ilnik River sockeye salmon escapement samples by age and sex, 2023.

		Age									
		0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.2	2.3	Total
Females											
Mean length (mm)		446	536	543	–	487	535	542	504	531	533
SE		14	3	5	–	17	1	9	26	6	1
Range		417–478	490–595	504–568	–	403–548	480–596	520–565	478–529	520–541	403–596
Sample size		4	61	12	0	8	229	5	2	3	324
Males											
Mean length (mm)		433	555	580	406	447	557	580	485	569	542
SE		7	3	8	9	8	1	2	21	7	3
Range		397–454	515–596	548–627	390–420	405–560	500–652	572–586	450–540	555–588	390–652
Sample size		7	39	9	3	31	214	5	4	4	316
All Fish											
Mean length (mm)		438	544	559	406	455	546	561	491	553	538
SE		7	2	6	9	7	1	8	15	9	1
Range		397–478	490–596	504–627	390–420	403–560	480–652	520–586	450–540	520–588	390–652
Sample size		11	100	21	3	39	443	10	6	7	640

Appendix B9.—Estimated sex composition of Ilnik River sockeye salmon escapement by week, 2023.

			Escapement				
Week	Dates	Sample size	Percent		Number		Total
			Male	Female	Male	Female	
23	5/31–6/6	37	48.7	51.4	1,543	1,629	3,172
24	6/7–6/13	0	49.6	50.4	4,258	4,322	8,580
25	6/14–6/20	240	50.3	49.7	14,097	13,918	28,015
26	6/21–6/27	151	49.7	50.3	10,149	10,273	20,422
27	6/28–7/4	57	51.7	48.3	9,044	8,458	17,502
28	7/5–7/11	240	48.3	51.7	6,390	6,837	13,227
29	7/12–7/18	0	47.9	52.1	3,883	4,220	8,103
30	7/19–7/25	0	47.9	52.1	1,917	2,083	4,000
33	8/9–8/15	0	47.9	52.1	2,875	3,125	6,000
Total		725	49.7	50.3	54,155	54,866	109,021



Appendix B10.—Estimated age composition of Nelson River sockeye salmon escapement, 2023.

Week	Sample size		Age									Total
			0.3	0.4	1.1	1.2	1.3	1.4	2.1	2.2	2.3	
24: 6/7–6/13	0	Percent	1.4	0.0	5.4	82.4	4.1	0.0	0.0	1.4	5.4	100.0
		Number	4	0	15	223	11	0	0	4	15	270
25: 6/14–6/20	74	Percent	1.2	0.0	6.6	81.7	3.9	0.0	0.2	1.4	5.0	100.0
		Number	110	0	597	7,389	354	0	17	130	451	9,048
26: 6/21–6/27	224	Percent	0.1	0.0	15.2	74.8	2.6	0.1	1.7	3.7	1.7	100.0
		Number	24	0	2,577	12,686	442	20	294	628	280	16,950
27: 6/28–7/4	217	Percent	0.0	0.1	16.4	70.4	2.5	0.3	2.3	7.0	0.9	100.0
		Number	0	44	6,782	29,065	1,036	134	930	2,896	387	41,274
28: 7/5–7/11	226	Percent	0.1	0.3	19.9	66.6	4.7	0.0	2.8	4.5	1.1	100.0
		Number	70	197	12,515	41,970	2,949	17	1,771	2,834	708	63,031
29: 7/12–7/18	212	Percent	0.5	0.0	17.1	66.0	6.1	0.0	4.6	3.8	1.9	100.0
		Number	260	8	9,747	37,607	3,460	0	2,640	2,161	1,056	56,939
30: 7/19–7/25	0	Percent	0.5	0.0	17.0	66.0	6.1	0.0	4.7	3.8	1.9	100.0
		Number	188	0	6,781	26,372	2,449	0	1,884	1,507	753	39,935
31: 7/26–8/1	0	Percent	0.5	0.0	17.0	66.0	6.1	0.0	4.7	3.8	1.9	100.0
		Number	77	0	2,762	10,742	997	0	767	614	307	16,266
32: 8/2–8/8	0	Percent	0.5	0.0	17.0	66.0	6.1	0.0	4.7	3.8	1.9	100.0
		Number	29	0	1,036	4,028	374	0	288	230	115	6,100
33: 8/9–8/15	0	Percent	0.5	0.0	17.0	66.0	6.1	0.0	4.7	3.8	1.9	100.0
		Number	2	0	68	264	25	0	19	15	8	400
Totals	953	Percent	0.3	0.1	17.1	68.1	4.8	0.1	3.4	4.4	1.6	100.0
		Number	763	249	42,880	170,347	12,097	171	8,609	11,019	4,080	250,213

Note: Cells with values of 0.0 indicate age classes were not present or represented less than 0.05% of the total run.

Appendix B11.—Length composition and standard error (SE) of Nelson River sockeye salmon escapement samples by age and sex, 2023.

		Age									
		0.3	0.4	1.1	1.2	1.3	1.4	2.1	2.2	2.3	Total
Females											
Mean length (mm)		520	530	—	471	539	—	—	481	514	479
SE		—	—	—	2	5	—	—	8	15	2
Range		—	—	—	409–553	502–578	—	—	416–529	426–557	409–578
Sample size		1	1	0	223	19	0	0	17	9	270
Males											
Mean length (mm)		540	—	335.51	457	553	578	370	471	580.33	430
SE		—	—	1.19	2	9	—	3	8	16.75	3
Range		—	—	298–436	349–560	470–590	—	336–397	434–575	509–611	298–611
Sample size		1	0	158	451	17	1	24	25	6	683
All Fish											
Mean length (mm)		530	530	336	462	545	578	370	475	541	444
SE		10	—	1	1	5	—	3	6	14	2
Range		520–540	—	298–436	349–560	470–590	—	336–397	416–575	426–611	298–611
Sample size		2	1	158	674	36	1	24	42	15	953

Appendix B12.—Estimated sex composition of Nelson River sockeye salmon escapement by week, 2023.

Week	Dates	Sample size	Escapement				
			Percent		Number		Total
			Male	Female	Male	Female	
24	6/14–6/20	0	78.8	21.3	213	57	270
25	6/14–6/20	80	78.3	21.7	7,086	1,962	9,048
26	6/21–6/27	240	73.8	26.2	12,514	4,436	16,950
27	6/28–7/4	240	71.0	29.0	29,290	11,984	41,274
28	7/5–7/11	240	70.7	29.3	44,551	18,480	63,031
29	7/12–7/18	240	64.4	35.6	36,696	20,243	56,939
30	7/19–7/25	0	64.2	35.8	25,625	14,310	39,935
31	7/26–8/1	0	64.2	35.8	10,437	5,829	16,266
32	8/2–8/8	0	64.2	35.8	3,914	2,186	6,100
33	8/9–8/15	0	64.2	35.8	257	143	400
Total		1,040	68.2	31.8	170,582	79,631	250,213

Appendix B13.—Estimated Nelson River sockeye salmon escapement, catch, and total run, by age, 2023.

	Sample size		Age									Total
			0.3	0.4	1.1	1.2	1.3	1.4	2.1	2.2	2.3	
Escapement <sup>a</sup>	953	Percent	0.3	0.1	17.1	68.1	4.8	0.1	3.4	4.4	1.6	100.0
		Number	763	249	42,880	170,347	12,097	171	8,609	11,019	4,080	250,213
Catch	0	Percent	0.3	0.1	17.0	68.0	5.0	0.1	3.5	4.3	1.7	100.0
		Number	334	91	17,326	69,090	5,037	63	3,600	4,411	1,708	101,659
Total	953	Percent	0.3	0.1	17.1	68.0	4.9	0.1	3.5	4.4	1.6	100.0
		Number	1,097	340	60,207	239,437	17,133	234	12,209	15,430	5,787	351,872

<sup>a</sup> Includes post-weir estimate

Appendix B14.—Estimated age composition of Sandy River sockeye salmon escapement, 2023.

Week	Sample size		Age								Total
			0.1	0.2	0.3	1.1	1.2	1.3	2.2	2.3	
24: 6/7–6/13	0	Percent	0.5	1.4	3.2	2.3	30.0	53.0	7.8	1.8	100.0
		Number	0	0	0	0	3	5	1	0	9
25: 6/14–6/20	0	Percent	0.5	1.4	3.2	2.3	30.0	53.0	7.8	1.8	100.0
		Number	2	7	15	11	142	252	37	9	475
26: 6/21–6/27	0	Percent	0.5	1.4	3.2	2.3	30.0	53.0	7.8	1.8	100.0
		Number	18	55	128	91	1,189	2,104	311	73	3,971
27: 6/28–7/4	217	Percent	0.5	1.4	3.2	2.3	29.9	53.1	7.8	1.9	100.0
		Number	25	76	177	126	1,641	2,911	429	102	5,486
28: 7/5–7/11	0	Percent	0.2	0.7	3.0	1.1	25.2	60.1	6.7	3.0	100.0
		Number	22	65	284	109	2,399	5,715	632	284	9,509
29: 7/12–7/18	219	Percent	0.0	0.1	2.8	0.1	21.0	66.4	5.6	4.0	100.0
		Number	3	8	298	13	2,269	7,156	604	430	10,781
30: 7/19–7/25	0	Percent	0.0	0.0	2.7	0.0	20.5	67.1	5.5	4.1	100.0
		Number	0	0	371	0	2,779	9,079	741	556	13,526
31: 7/26–8/1	0	Percent	0.0	0.0	2.7	0.0	20.5	67.1	5.5	4.1	100.0
		Number	0	0	137	0	1,027	3,356	274	205	5,000
Totals	436	Percent	0.1	0.4	2.9	0.7	23.5	62.7	6.2	3.4	100.0
		Number	70	210	1,410	351	11,450	30,578	3,030	1,659	48,757

Note: Cells with values of 0.0 indicate age classes were not present or represented less than 0.05% of the total run.

Appendix B15.—Length composition and standard error (SE) of Sandy River sockeye salmon escapement samples by age and sex, 2023.

		Age							Total
		0.1	0.2	0.3	1.1	1.2	1.3	2.2	
Females									
Mean length (mm)	—	423	538	—	467	530	470	536	516
SE	—		3	—	5	2	12	8	2
Range	—	423–423	522–546	—	403–528	418–576	415–520	510–563	403–576
Sample size	0	1	8	0	45	162	8	6	230
Males									
Mean length (mm)	431	430	555	349	447	562	441	565	506
SE	—	13	19	14	6	2	5	8	5
Range	—	417–442	490–605	323–400	365–586	465–598	403–494	547–595	323–605
Sample size	1	2	5	5	65	100	21	7	206
All Fish									
Mean length (mm)	431	427	545	349	456	542	449	552	511
SE	—	8	7	14	4	2	5	7	3
Range	—	417–442	490–605	323–400	365–586	418–598	403–520	510–595	323–605
Sample size	1	3	13	5	110	262	29	13	436

Appendix B16.—Estimated sex composition of Sandy River sockeye salmon escapement by week, 2023.

Week	Dates	Sample size	Escapement				
			Percent		Number		
			Male	Female	Male	Female	Total
24	6/7–6/13	0	53.8	46.3	5	4	9
25	6/14–6/20	0	53.8	46.3	255	220	475
26	6/21–6/27	0	53.8	46.3	2,134	1,837	3,971
27	6/28–7/4	240	53.7	46.3	2,945	2,541	5,486
28	7/5–7/11	0	46.7	53.3	4,442	5,067	9,509
29	7/12–7/18	240	40.1	59.9	4,323	6,458	10,781
30	7/19–7/25	0	38.8	61.3	5,241	8,285	13,526
31	7/26–8/1	0	38.8	61.3	1,938	3,063	5,000
Total		480	43.7	56.3	21,284	27,473	48,757

**APPENDIX C. SUMMARY OF NORTH ALASKA  
PENINSULA EXVESSEL VALUE**

Appendix C1.—Summary of commercial salmon fishing exvessel value, 2000–2023.

Year	Gear name	Exvessel value					Total
		Chinook	Sockeye	Coho	Pink	Chum	
2000	Drift gillnet	\$19,142	\$8,650,431	\$151,373	\$5,510	\$46,422	\$8,872,879
	Purse seine	\$31	\$326,181	\$30,862	\$200	\$4,972	\$362,245
	Set gillnet	\$8,182	\$837,569	\$43,768	\$43	\$3,387	\$892,950
	Total	\$27,355	\$9,814,181	\$226,003	\$5,754	\$54,781	\$10,128,074
2001	Drift gillnet	\$9,455	\$2,880,943	\$25,455	\$2,811	\$41,939	\$2,960,603
	Purse seine	\$9	\$107,538	\$1	\$69	\$71,636	\$179,252
	Set gillnet	\$8,978	\$361,169	\$2,617	\$16	\$3,840	\$376,620
	Total	\$18,442	\$3,349,650	\$28,073	\$2,895	\$117,415	\$3,516,475
2002	Drift gillnet	\$9,980	\$2,910,867	\$22,601	\$3,016	\$16,351	\$2,962,814
	Purse seine	\$18	\$134,887	\$1	\$40	\$4,245	\$139,190
	Set gillnet	\$4,728	\$535,392	\$3,144	\$13	\$2,268	\$545,544
	Total	\$14,725	\$3,581,145	\$25,746	\$3,068	\$22,864	\$3,647,548
2003	Drift gillnet	\$13,327	\$3,696,333	\$59,296	\$3,254	\$15,204	\$3,787,414
	Purse seine	\$4	\$152,948	\$0	\$4	\$4,908	\$157,863
	Set gillnet	\$4,015	\$689,548	\$25,836	\$4	\$2,196	\$721,598
	Total	\$17,345	\$4,538,829	\$85,131	\$3,262	\$22,308	\$4,666,875
2004	Drift gillnet	\$32,104	\$5,467,673	\$44,510	\$1,453	\$4,882	\$5,550,622
	Purse seine	\$12	\$243,053	\$0	\$0	\$4,205	\$247,271
	Set gillnet	\$8,631	\$898,615	\$25,201	\$42	\$1,578	\$934,066
	Total	\$40,748	\$6,609,341	\$69,711	\$1,495	\$10,664	\$6,731,959
2005	Drift gillnet	\$41,325	\$10,058,371	\$120,476	\$841	\$9,879	\$10,230,892
	Purse seine	\$0	\$399,475	\$0	\$8	\$23,187	\$422,669
	Set gillnet	\$14,180	\$811,711	\$51,862	\$8	\$2,225	\$879,986
	Total	\$55,505	\$11,269,557	\$172,338	\$857	\$35,290	\$11,533,547
2006	Drift gillnet	\$76,814	\$6,740,930	\$135,327	\$2,071	\$82,396	\$7,037,538
	Purse seine	\$32	\$172,049	\$99	\$218	\$36,359	\$208,756
	Set gillnet	\$8,032	\$491,581	\$127,058	\$272	\$6,260	\$633,203
	Total	\$84,879	\$7,404,559	\$262,484	\$2,561	\$125,015	\$7,879,498
2007	Drift gillnet	\$35,282	\$11,730,890	\$106,469	\$2,515	\$87,651	\$11,962,808
	Purse seine	\$0	\$141,239	\$0	\$539	\$81,137	\$222,914
	Set gillnet	\$6,249	\$850,718	\$105,023	\$193	\$5,709	\$967,891
	Total	\$41,531	\$12,722,847	\$211,492	\$3,247	\$174,497	\$13,153,613

-continued-

Year	Gear name	Exvessel value					Total
		Chinook	Sockeye	Coho	Pink	Chum	
2008	Drift gillnet	\$13,146	\$7,342,127	\$312,091	\$2,788	\$60,252	\$7,730,404
	Purse seine	\$81	\$172,342	\$2	\$2,686	\$208,293	\$383,404
	Set gillnet	\$4,462	\$403,478	\$104,071	\$0	\$2,201	\$514,213
	Total	\$17,689	\$7,917,947	\$416,165	\$5,474	\$270,746	\$8,628,021
2009	Drift gillnet	\$34,114	\$9,500,119	\$102,286	\$145	\$70,196	\$9,706,860
	Purse seine	\$0	\$154,392	\$0	\$207	\$26,793	\$181,392
	Set gillnet	\$3,188	\$495,572	\$94,693	\$1	\$3,398	\$596,852
	Total	\$37,302	\$10,150,083	\$196,979	\$353	\$100,387	\$10,485,104
2010	Drift gillnet	\$40,970	\$10,967,623	\$117,826	\$1,577	\$222,112	\$11,350,108
	Purse seine	\$27	\$246,640	\$6	\$1,011	\$468,076	\$715,759
	Set gillnet	\$6,019	\$322,605	\$140,262	\$26	\$10,036	\$478,949
	Total	\$47,016	\$11,536,868	\$258,094	\$2,614	\$700,225	\$12,544,816
2011	Drift gillnet	\$33,894	\$4,400,844	\$28,593	\$3,017	\$287,918	\$4,754,266
	Purse seine	\$111	\$77,557	\$4,393	\$7,885	\$451,665	\$541,610
	Set gillnet	\$9,414	\$265,174	\$42,435	\$10	\$4,644	\$321,677
	Total	\$43,418	\$4,743,575	\$75,421	\$10,912	\$744,227	\$5,617,554
2012	Drift gillnet	\$16,288	\$3,112,304	\$54,471	\$802	\$478,256	\$3,662,120
	Purse seine	\$74	\$269,315	\$249	\$406	\$161,333	\$431,378
	Set gillnet	\$2,802	\$342,751	\$60,442	\$10	\$13,235	\$419,240
	Total	\$19,164	\$3,724,369	\$115,162	\$1,218	\$652,825	\$4,512,737
2013	Drift gillnet	\$5,259	\$3,903,534	\$53,498	\$3,015	\$97,735	\$4,063,041
	Purse seine	\$16	\$194,315	\$0	\$110	\$196,087	\$390,528
	Set gillnet	\$1,816	\$780,139	\$50,301	\$5	\$8,742	\$841,003
	Total	\$7,091	\$4,877,987	\$103,799	\$3,130	\$302,564	\$5,294,572
2014	Drift gillnet	\$10,819	\$12,580,814	\$231,914	\$6,465	\$74,002	\$12,904,013
	Purse seine	\$504	\$286,310	\$21,825	\$727	\$335,012	\$644,378
	Set gillnet	\$4,166	\$899,510	\$133,950	\$221	\$6,206	\$1,044,053
	Total	\$15,489	\$13,766,634	\$387,688	\$7,413	\$415,220	\$14,592,444
2015	Drift gillnet	\$39,124	\$8,492,178	\$97,985	\$4,506	\$44,755	\$8,678,548
	Purse seine	\$0	\$79,805	\$974	\$2,324	\$268,565	\$351,667
	Set gillnet	\$10,524	\$626,623	\$62,647	\$17	\$4,689	\$704,500
	Total	\$49,648	\$9,198,606	\$161,606	\$6,847	\$318,008	\$9,734,715
2016	Drift gillnet	\$24,458	\$12,818,194	\$132,387	\$0	\$18,820	\$12,993,858
	Purse seine	\$0	\$139,343	\$640	\$0	\$463	\$140,445
	Set gillnet	\$21,196	\$804,941	\$44,405	\$0	\$9,515	\$880,057
	Total	\$45,654	\$13,762,477	\$177,431	\$0	\$28,798	\$14,014,360

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## Appendix C1.–Page 3 of 3.

Year	Gear name	Exvessel value					
		Chinook	Sockeye	Coho	Pink	Chum	Total
2017	Drift gillnet	\$62,546	\$20,928,151	\$21,473	\$0	\$44,520	\$21,056,690
	Purse seine	\$53	\$452,686	\$88	\$0	\$107,031	\$559,858
	Set gillnet	\$11,917	\$1,300,196	\$312	\$0	\$11,586	\$1,324,010
	Total	\$74,517	\$22,681,033	\$21,872	\$0	\$163,136	\$22,940,558
2018	Drift gillnet	\$18,187	\$15,013,719	\$161,533	\$36,395	\$117,592	\$15,347,425
	Purse seine	\$43	\$22,261	\$29,525	\$822	\$277,338	\$329,989
	Set gillnet	\$21,581	\$794,854	\$47,122	\$138	\$6,579	\$870,273
	Total	\$39,811	\$15,830,834	\$238,179	\$37,355	\$401,509	\$16,547,687
2019	Drift gillnet	\$53,589	\$19,425,767	\$61,210	\$103,929	\$139,589	\$19,784,084
	Purse seine	\$6	\$25,500	\$8,276	\$316,203	\$482,014	\$831,999
	Set gillnet	\$22,304	\$674,620	\$19,539	\$476	\$8,630	\$725,569
	Total	\$75,900	\$20,125,888	\$89,025	\$420,607	\$630,233	\$21,341,652
2020	Drift gillnet	\$18,163	\$8,130,547	\$86,327	\$26,592	\$17,979	\$8,279,608
	Purse seine	\$18	\$47,612	\$397	\$1,187	\$80,854	\$130,068
	Set gillnet	\$9,945	\$433,040	\$33,090	\$289	\$1,811	\$478,175
	Total	\$93,406	\$35,282,101	\$307,666	\$457,486	\$1,023,112	\$37,163,771
2021	Drift gillnet	\$36,148	\$22,397,011	\$113,424	\$35,765	\$42,874	\$22,625,222
	Purse seine	\$0	\$240,532	\$4	\$997	\$40,372	\$281,905
	Set gillnet	\$16,540	\$827,230	\$17,912	\$76	\$1,890	\$863,647
	Total	\$52,687	\$23,464,773	\$131,340	\$36,838	\$85,137	\$23,770,774
2022	Drift gillnet	\$15,438	\$28,377,933	\$24,954	\$13,380	\$12,031	\$28,443,736
	Purse seine	\$0	\$399,969	\$7	\$3,483	\$23,668	\$427,127
	Set gillnet	\$11,021	\$435,461	\$19,069	\$476	\$358	\$466,384
	Total	\$26,459	\$29,213,363	\$44,030	\$17,340	\$36,057	\$29,337,247
2023	Drift gillnet	\$14,434	\$3,587,173	\$7,306	\$4,563	\$16,314	\$3,629,790
	Purse seine	\$0	\$334,535	\$11	\$1,332	\$78,356	\$414,233
	Set gillnet	\$8,255	\$285,932	\$36	\$136	\$358	\$294,717
	Total	\$22,689	\$4,207,639	\$7,353	\$6,032	\$95,028	\$4,338,741
2013– 2022 average	Drift gillnet	\$28,458	\$12,680,222	\$101,422	\$21,747	\$107,612	\$12,939,461
	Purse seine	\$72	\$175,768	\$6,198	\$32,278	\$194,907	\$409,222
	Set gillnet	\$12,279	\$748,390	\$46,972	\$123	\$7,288	\$815,053
	Total	\$47,337	\$16,271,470	\$173,377	\$97,089	\$402,054	\$16,991,327

*Note:* Exvessel values do not include processor bonuses, incentives, or postseason adjustments. Due to omissions from fish tickets, these values are estimated using average price per pound values for the entirety of Area M. Due to rounding, totals may differ slightly from other tables.



Appendix C2.—Average weights and approximate exvessel prices for salmon in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia areas, 1989–2023.

Year	Average weight (lb)					Price per pound				
	Chinook	Sockeye	Coho	Pink	Chum	Chinook	Sockeye	Coho	Pink	Chum
1989	18.13	5.85	7.69	4.08	6.67	\$1.31	\$1.40	\$0.80	\$0.31	\$0.37
1990	14.41	5.42	7.66	2.89	6.49	\$1.12	\$1.65	\$0.77	\$0.23	\$0.33
1991	10.85	5.52	7.77	3.22	6.62	\$0.67	\$0.90	\$0.60	\$0.12 <sup>a</sup>	\$0.23
1992	16.33	5.84	7.91	3.04	6.36	\$0.97 <sup>a</sup>	\$1.47 <sup>a</sup>	\$0.63 <sup>a</sup>	\$0.17 <sup>a</sup>	\$0.29 <sup>a</sup>
1993	18.00	5.81	8.42	3.00	6.28	\$0.88	\$0.82 <sup>a</sup>	\$0.49 <sup>a</sup>	\$0.14 <sup>a</sup>	\$0.28 <sup>a</sup>
1994	17.90	5.79	10.97	3.15	6.61	\$0.61 <sup>a</sup>	\$1.01 <sup>a</sup>	\$0.57 <sup>a</sup>	\$0.15 <sup>a</sup>	\$0.25 <sup>a</sup>
1995	12.32	6.11	7.06	4.43	6.51	\$0.74 <sup>a</sup>	\$1.10 <sup>a</sup>	\$0.42 <sup>a</sup>	\$0.14 <sup>a</sup>	\$0.22 <sup>a</sup>
1996	16.54	5.68	8.05	3.44	6.87	\$0.40 <sup>a</sup>	\$0.81 <sup>a</sup>	\$0.34 <sup>a</sup>	\$0.06 <sup>a</sup>	\$0.07 <sup>a</sup>
1997	14.22	5.02	8.34	3.64	7.68	\$0.43	\$1.03	\$0.53	\$0.12	\$0.15
1998	15.46	5.63	8.04	3.72	7.17	\$0.46	\$0.96	\$0.43	\$0.12	\$0.15
1999	12.94	5.08	6.51	2.93	6.92	\$0.51	\$1.02	\$0.33	\$0.17	\$0.10
2000	13.68	5.65	7.91	3.12	7.34	\$0.50	\$0.88	\$0.35	\$0.11	\$0.11
2001	16.52	5.95	9.14	3.12	7.41	\$0.26	\$0.51	\$0.15	\$0.10	\$0.11
2002	17.52	4.76	10.00	2.93	7.93	\$0.25	\$0.47	\$0.10	\$0.05	\$0.07
2003	12.49	5.89	8.55	3.20	6.83	\$0.30	\$0.52	\$0.19	\$0.06	\$0.10
2004	16.38	5.76	8.51	3.36	7.37	\$0.26	\$0.47	\$0.24	\$0.08	\$0.10
2005	13.91	5.94	8.53	3.45	7.33	\$0.45	\$0.60	\$0.29	\$0.08	\$0.13
2006	11.66	5.56	7.56	3.42	7.34	\$0.95	\$0.56	\$0.37	\$0.10	\$0.14
2007	9.31	5.74	8.26	3.66	7.18	\$0.56	\$0.65	\$0.38	\$0.13	\$0.15
2008	15.99	5.58	7.57	3.82	7.70	\$0.63	\$0.70	\$0.44	\$0.19	\$0.22
2009	15.75	5.94	7.75	3.00	6.97	\$0.77	\$0.70	\$0.38	\$0.20	\$0.21
2010	18.18	5.72	8.15	3.32	7.03	\$1.00	\$0.89	\$0.52	\$0.33	\$0.40
2011	18.02	5.67	7.20	4.67	7.14	\$1.20	\$0.91	\$0.57	\$0.46	\$0.48
2012	16.48	5.77	6.76	2.29	7.20	\$1.11	\$0.84	\$0.45	\$0.40	\$0.49
2013	12.49	5.56	8.45	2.93	7.66	\$1.00	\$1.19	\$0.45	\$0.35	\$0.33
2014	14.84	5.50	8.15	3.20	6.86	\$1.21	\$1.27	\$0.45	\$0.20	\$0.40
2015	15.34	5.63	8.19	3.00	6.36	\$1.16	\$0.60	\$0.35	\$0.17	\$0.25
2016	18.31	5.60	7.30	3.58	7.61	\$1.29	\$0.70	\$0.32	\$0.00	\$0.18
2017	16.39	5.84	6.43	3.40	7.00	\$1.48	\$1.00	\$0.32	\$0.00	\$0.27
2018	15.69	5.37	7.54	3.66	7.07	\$1.55	\$1.25	\$0.30	\$0.34	\$0.35
2019	11.28	5.46	6.55	3.32	6.34	\$1.29	\$1.56	\$0.32	\$0.26	\$0.41
2020	17.51	5.24	6.72	3.29	7.17	\$1.29	\$0.91	\$0.37	\$0.28	\$0.25
2021	13.82	5.19	6.55	3.21	5.88	\$2.11	\$1.57	\$0.79	\$0.27	\$0.55
2022	12.91	5.40	7.54	3.51	7.31	\$2.31	\$1.50	\$0.82	\$0.40	\$0.35
2023	11.91	5.21	5.21	3.62	6.94	\$1.36	\$0.70	\$0.22	\$0.20	\$0.15
2013–2022 average	14.86	5.48	7.28	3.33	6.83	\$1.47	\$1.16	\$0.45	\$0.23	\$0.33

Note: Average prices do not include processor bonuses, incentives, or postseason adjustments.

<sup>a</sup> Due to information omitted from fish tickets, these prices are averages for all of Area M.

Appendix C3.—Estimated exvessel value of North Alaska Peninsula commercial salmon fishery by gear type, 2023.

	Exvessel value					
	Chinook	Sockeye	Coho	Pink	Chum	Total
PURSE SEINE						
Northern District						
Poundage	0	0	0	0	0	0
Average weight	0.0	0.0	0.0	0.0	0.0	
Exvessel value	\$0	\$0	\$0	\$0	\$0	\$0
Northwestern District						
Poundage	0	477,907	48	6,661	522,370	1,006,986
Average weight	0.0	5.8	5.3	2.8	7.3	
Exvessel value	\$0	\$334,535	\$11	\$1,332	\$78,356	\$414,233
North Peninsula Total						
Poundage	0	477,907	48	6,661	522,370	1,006,986
Average weight	0.0	5.8	5.3	2.8	7.3	
Exvessel value	\$0	\$334,535	\$11	\$1,332	\$78,356	\$414,233
DRIFT GILLNET						
Northern District						
Poundage	10,613	5,081,669	32,867	19,330	81,579	5,226,057
Average weight	12.4	5.2	5.2	4.0	5.8	
Exvessel value	\$14,434	\$3,557,168	\$7,231	\$3,866	\$12,237	\$3,594,935
Northwestern District						
Poundage	0	42,864	344	3,485	27,184	73,877
Average weight	0.0	5.2	5.7	3.5	5.2	
Exvessel value	\$0	\$30,005	\$76	\$697	\$4,078	\$34,855
North Peninsula Total						
Poundage	10,613	5,124,533	33,211	22,815	108,763	5,299,934
Average weight	12.4	5.2	5.2	3.9	5.6	
Exvessel value	\$14,434	\$3,587,173	\$7,306	\$4,563	\$16,314	\$3,629,790

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	Exvessel value					
	Chinook	Sockeye	Coho	Pink	Chum	Total
SET GILLNET						
Northern District						
Poundage	6,070	408,474	162	682	2,387	417,775
Average weight	11.2	5.0	5.6	3.7	5.1	
Exvessel value	\$8,255	\$285,932	\$36	\$136	\$358	\$294,717
Northwestern District						
Poundage	0	0	0	0	0	0
Average weight	0.0	0.0	0.0	0.0	0.0	
Exvessel value	\$0	\$0	\$0	\$0	\$0	\$0
North Peninsula Total						
Poundage	6,070	408,474	162	682	2,387	417,775
Average weight	11.2	5.0	5.6	3.7	5.1	
Exvessel value	\$8,255	\$285,932	\$36	\$136	\$358	\$294,717
ALL GEAR TYPES						
Northern District						
Poundage	16,683	5,490,143	33,029	20,012	83,966	5,643,832
Average weight	11.9	5.2	5.2	4.0	5.8	
Exvessel value	\$22,689	\$3,843,100	\$7,266	\$4,002	\$12,595	\$3,889,652
Northwestern District						
Poundage	0	520,771	392	10,146	549,554	1,080,863
Average weight	0.0	5.7	5.7	3.0	7.2	
Exvessel value	\$0	\$364,540	\$86	\$2,029	\$82,433	\$449,088
North Peninsula Total						
Poundage	16,683	6,010,914	33,421	30,158	633,520	6,724,695
Average weight	11.9	5.2	5.2	3.6	6.9	
Exvessel value	\$22,689	\$4,207,639	\$7,353	\$6,032	\$95,028	\$4,338,741

*Note:* Due to confidentiality requirements, poundage reported in this table may differ from other tables in this document. Due to rounding, totals may differ slightly from other tables.