

Fishery Management Report No. 17-22

**North Alaska Peninsula Commercial Salmon Annual
Management Report, 2016**

by

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and

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December 2017

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	AAC	<i>all standard mathematical signs, symbols and abbreviations</i>	
deciliter	dL	all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.	alternate hypothesis	H_A
gram	g	all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.	base of natural logarithm	e
hectare	ha	at	@	catch per unit effort	CPUE
kilogram	kg	compass directions:		coefficient of variation	CV
kilometer	km	east	E	common test statistics	(F, t, χ^2 , etc.)
liter	L	north	N	confidence interval	CI
meter	m	south	S	correlation coefficient (multiple)	R
milliliter	mL	west	W	correlation coefficient (simple)	r
millimeter	mm	copyright	©	covariance	cov
		corporate suffixes:		degree (angular)	$^\circ$
Weights and measures (English)		Company	Co.	degrees of freedom	df
cubic feet per second	ft ³ /s	Corporation	Corp.	expected value	E
foot	ft	Incorporated	Inc.	greater than	>
gallon	gal	Limited	Ltd.	greater than or equal to	≥
inch	in	District of Columbia	D.C.	harvest per unit effort	HPUE
mile	mi	et alii (and others)	et al.	less than	<
nautical mile	nmi	et cetera (and so forth)	etc.	less than or equal to	≤
ounce	oz	exempli gratia (for example)	e.g.	logarithm (natural)	ln
pound	lb	Federal Information Code	FIC	logarithm (base 10)	log
quart	qt	id est (that is)	i.e.	logarithm (specify base)	log ₂ , etc.
yard	yd	latitude or longitude	lat or long	minute (angular)	'
		monetary symbols (U.S.)	\$, ¢	not significant	NS
Time and temperature		months (tables and figures): first three letters	Jan, ..., Dec	null hypothesis	H_0
day	d	registered trademark	®	percent	%
degrees Celsius	°C	trademark	™	probability	P
degrees Fahrenheit	°F	United States (adjective)	U.S.	probability of a type I error (rejection of the null hypothesis when true)	α
degrees kelvin	K	United States of America (noun)	USA	probability of a type II error (acceptance of the null hypothesis when false)	β
hour	h	U.S.C.	United States Code	second (angular)	"
minute	min	U.S. state	use two-letter abbreviations (e.g., AK, WA)	standard deviation	SD
second	s			standard error	SE
Physics and chemistry				variance	
all atomic symbols				population sample	Var
alternating current	AC			sample	var
ampere	A				
calorie	cal				
direct current	DC				
hertz	Hz				
horsepower	hp				
hydrogen ion activity (negative log of)	pH				
parts per million	ppm				
parts per thousand	ppt, ‰				
volts	V				
watts	W				

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ABSTRACT

This report is a summary of the 2016 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 2016 commercial salmon harvest on the North Alaska Peninsula was 1,891 Chinook *O. tshawytscha*, 3,502,785 sockeye, 73,038 coho *O. kisutch*, 12,274 pink *O. gorbuscha*, and 88,894 chum *O. keta* salmon. The North Peninsula Chinook salmon harvest was well below the 10 year average of 3,075 fish. The sockeye salmon harvest in the Northern District of 3,463,187 fish was well above the 2006–2015 average harvest of 1,911,875 fish. Of the Northern District harvest, 90% (3,114,527 fish) were harvested in the sections between Port Moller and Outer Port Heiden. The North Alaska Peninsula chum salmon harvest of 88,894 fish was well below the 10-year average of 188,342 chum salmon, with about 79% (69,903 fish) of the harvest occurring in the Northwestern District, specifically in the Izembek–Moffet Bay Section. Nearly all Northern District chum salmon harvest was incidental as the result of targeted sockeye salmon fisheries.

The estimated total sockeye salmon escapement for North Alaska Peninsula streams was 1,611,310 fish, above the 2006–2015 average of 1,016,378 fish. Approximately 63% 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).

Key words: 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 fishermen, buyers, and interested parties a context with which to compare the 2016 North Alaska Peninsula commercial salmon catch and escapement with historical information. The salmon harvest estimates reported in this document were summarized from the fish ticket database on December 5, 2016. Unless otherwise noted, catch reporting in this report does not include personal use, subsistence, or test fish 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 Menshikof 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 Menshikof (Figure 1). The Nelson Lagoon to Outer Port Heiden region, 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). In addition to these sections, smaller directed commercial salmon fisheries occur in other 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 area consists of the Cinder River Section, Inner Port Heiden Section, and Ilnik Lagoon (Figure 3; 5 AAC 39.120(d)). 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 for Chinook *O. tshawytscha* and coho *O. kisutch* salmon in the Inner Port Heiden Section, 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, Area T permit holders were allowed 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 (BOF) allowed Area T permit holders to fish in the Inner Port Heiden Section and the inner portion of the Cinder River Section during all months of the commercial fishing season. Area T permit holders are also allowed to fish in Ilnik Lagoon during August and September. In 1986, Area T fishermen started fishing in the Ilnik and Outer Port Heiden sections. In 1990, the BOF 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). Over the last decade, 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 (5 AAC 09.330(a)). For example, the Nelson Lagoon Section is open to drift and set gillnet gear only. In the Northern District drift gillnet is by far the most widely used gear. In the Northwestern District, use of purse seine gear equals or exceeds 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 is allowed outside of the Ilnik Lagoon beginning 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 if sockeye salmon escapement in the Meshik River is sufficient. Management action may also be taken in the Ilnik and Outer Port Heiden sections for conservation of Ugashik River sockeye salmon if that 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

While the earliest opening dates are established by regulation and modified by emergency orders, actual fishing time in North Alaska Peninsula fisheries is based on in season evaluation of local stock abundance and escapement objectives. Sockeye salmon are the primary species targeted for harvest, and the 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: the Nelson, Bear, Sandy, Ilnik, and Meshik rivers (Murphy and Johnson 2016). The 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 a fixed wing aircraft are used to enumerate salmon in other systems that do not have weirs.

At the February 2016 BOF meeting, Northern District regulations existing for the conservation of the Bear and Nelson rivers sockeye salmon stocks, as well as the conservation of Bristol Bay sockeye salmon, were modified. ADF&G manages the commercial fisheries in the Northern District based on the inseason evaluation of local stock abundance and escapement objectives. From June 20 through July 31, rolling closures are in effect in the Bear, Three Hills, and Ilnik sections to allow passage of sockeye salmon from the northeast to the southwest of the Northern District. For management purposes, the 3 sections are separated into 5 areas: South Bear, North Bear, Three Hills, SW Ilnik, and NE Ilnik (Figure 4). Starting in 2016, only 4 of the 5 areas will undergo rolling closures; the portion of the Ilnik Section northeast of Unangashak Bluffs (NE Ilnik) is now excluded from rolling closures (5 AAC 09.369 (n)). The waters in the northeasternmost of the 4 areas, between the 3 nmi seaward boundary line described in 5 AAC 09.301 and a line that is 1.5 nmi shoreward of the 3 nmi seaward boundary, are closed for one 24-hour period during a 7-day period. After a 24-hour period, the rolling closure will move on to the next area to the southwest, allowing fishing in the waters only out to the 1.5 nmi line described in this subsection for the first 24 hours of an open fishing period. The rolling closure continues down the coast until all 4 areas have had one 24-hour period of closure. In addition, rolling closures will no longer be in regulation after December of 2018.

Subsequent to the February 2016 BOF meeting, the Outer Port Heiden Section commercial fishing area extends out to the 3 nmi baseline (5 AAC 09.350 (3)(A)).

ESCAPEMENT GOALS

Weir counts and aerial surveys are used to estimate escapement.¹ For rivers and river systems with established escapement goals, there are 2 types of goals used to characterize the run. 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 (Schaberg et al. 2015). 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 harvest or age was not consistently measured (Schaberg et al. 2015). Methods used to develop SEGs include the percentile approach and risk analyses models (Schaberg et al. 2015). As defined by the Sustainable Salmon Fisheries Policy (SSFP; 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. The inseason escapement at each system with an established goal determines how the fisheries are managed.

¹ 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.

In 2015, ADF&G performed a review of salmon escapements on the North Peninsula. The escapement goal review determined that it was appropriate to recommend changes to the escapement goal ranges for the Meshik and Cinder river systems, recommending SEGs of 48,000–86,000 and 36,000–94,000 respectively (Schaberg et al 2015).

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 in the Nelson Lagoon to the Port Heiden region 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 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

The 2016 North Alaska Peninsula commercial Chinook salmon harvest of 1,891 fish was well below the 2006–2015 average of 3,075 fish (Table 1). Historically, the vast majority of Chinook salmon harvest occurred in the Northern District incidental to sockeye salmon fisheries, although periodically there were directed fisheries. In 2016, the Chinook salmon harvest of 1,188 fish in the Nelson Lagoon Section was above the 10-year average of 907 fish (Tables 2 and 3). The Bear River Section harvest of 101 was below the 10-year average of 585 fish (Table 3). The Three Hills and Ilnik sections combined harvest of 485 Chinook salmon was well below the 10-year average of 1,038 fish (Table 3). The Outer Port Heiden Section, which reopened in 2007 for the first time since 1989, had a harvest of 75 Chinook salmon (Table 2). There was no commercial fishing effort in the Inner Port Heiden Section in 2016 (Table 3).

SOCKEYE SALMON

The 2016 North Alaska Peninsula sockeye salmon harvest of 3,502,785 fish (Table 1) was above the 2006–2015 average harvest of 1,954,463 fish, as well as the 1996–2015 average harvest of 1,901,843 fish (Figure 5). The 2016 harvest exceeded the preseason projected harvest of 2,200,000 sockeye salmon (Table 1; Brenner and Munro 2016). The 2016 peak weekly harvest for sockeye salmon on the North Alaska Peninsula occurred from July 5 to July 11, when 148 permit holders caught 840,665 sockeye salmon (Table 2).

Most of the harvest occurred in the Northern District in the Nelson Lagoon, Bear River, Three Hills, Ilnik, and Outer Port Heiden sections (Figures 1 and 2). The Nelson Lagoon sockeye salmon harvest in 2016 was 301,786 fish, which was above the 2006–2015 average harvest of 201,674 fish (Table 4). The Nelson Lagoon harvest made up approximately 9% of the total North Alaska Peninsula sockeye salmon harvest. The combined Port Moller Bight, Bear River, Three Hills, and Ilnik sections total harvest was 2,482,055 sockeye salmon (Table 5), and the Outer Port Heiden Section had a harvest of 632,474 fish (Table 4). The combined Port Moller Bight, Bear River, Three Hills, Ilnik, and Outer Port Heiden sections accounted for approximately 89% (3,114,527 fish, Table 2) of the North Alaska Peninsula sockeye salmon harvest. Of that harvest, the Ilnik

Section had 70% (2,168,297 fish), the Outer Port Heiden Section accounted for about 20% (632,474 fish), the Bear River Section had approximately 8% (255,837 fish), and the Three Hills Section had 2% (57,919 fish; Table 4). The proportion of harvest in the Bear River Section in 2016 was below the most recent 10-year average (23%). The proportion of commercial catch in the Three Hills Section was well below the most recent 10-year average (7%). The proportion of commercial catch in the Ilnik Section was well above the most recent 10-year average of 41% (Figure 6). The percentage of harvest caught in the Outer Port Heiden Section was below the recent historical average (2007–2015) of 28%; however, it cannot be compared to a 10-year average because commercial salmon fishing was only recently permitted in this section beginning in 2007.

COHO SALMON

The 2016 North Alaska Peninsula coho salmon harvest of 73,038 fish was above the 2006–2015 average harvest of 66,261 fish (Table 1). Approximately 47% (34,353 fish, Table 6) of the coho salmon harvest came from the Ilnik Section, and 37% of the harvest (27,312 fish) came from the Nelson Lagoon Section. The remaining Northern District sections had approximately 12% of the coho salmon harvest (8,994 fish). The Northwestern District accounted for 3% of the harvest (2,379 fish, Table 6). The Nelson Lagoon Section typically has the largest coho salmon harvest, followed by either the Bear River or Ilnik sections; however, this year it was surpassed by the Ilnik Section in harvest.

PINK SALMON

The 2016 North Alaska Peninsula pink salmon harvest of 12,274 fish was well below the 2006–2015 even-year average harvest of 21,157 fish (Table 1). Pink salmon harvested in the Northern District are caught incidental to fisheries for other salmon species. The majority of the pink salmon harvest traditionally occurs in the Northwestern District; however, in 2016 the Northern District accounted for the majority of the commercial harvest, with the Northwestern District accounting for 15% (1,812 fish) of the pink salmon harvest (Table 7). All of the pink salmon harvested in the Northwestern District during 2016 were incidental to chum and sockeye salmon harvest in the Izembek–Moffet Bay Section.

CHUM SALMON

The 2016 North Alaska Peninsula chum salmon harvest of 88,894 fish was well below the 2006–2015 average harvest of 188,342 fish (Table 1). In the Northern District, the harvest of 18,991 fish was below the 2006–2015 average of 69,685 fish (Table 8). The majority of the chum salmon harvest in the Northern District occurred in the Nelson Lagoon Section (6,967 fish; Tables 2 and 8) in late July. The Northwestern District chum salmon harvest of 69,903 fish was below the 10-year average of 118,657 fish, all of which were harvested in the Izembek–Moffet Bay Section (Table 9). The Izembek–Moffet Bay Section harvest (69,903 chum salmon) was below the recent 10-year average of 96,485 fish (Table 9).

ESCAPEMENT BY SPECIES

CHINOOK SALMON

The 2016 North Alaska Peninsula estimated total Chinook salmon escapement of 17,464 fish was above the 2006–2015 average of 15,443 fish (Table 1). During the 2016 season, 4,618 Chinook salmon passed the Nelson River weir (Table 10 and Appendix A1), exceeding the BEG range of

2,400–4,400 fish (Schaberg et al. 2015). Nelson River is the only river on the North Alaska Peninsula with a Chinook salmon escapement goal. The combined King Salmon, Bear, and Sandy rivers (Bear River Section) estimated Chinook salmon escapement was 4,541 fish, greater than the 2006–2015 average of 1,491 fish (Appendix A1 and Table 3). 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 other downstream tributaries. There were 5 Chinook salmon that passed the Ilnik River weir in 2016 (Table 13). The Chinook salmon escapement of 1,275 fish into the Inner Port Heiden Section (the Meshik River and its tributaries) was well below the 10-year average of 4,258 fish (Table 3; Appendix A1). In the Cinder River Section, 5,450 Chinook salmon were documented, which was above the 2006–2015 average of 3,902 fish (Table 3; Appendix A1).

SOCKEYE SALMON

The 2016 North Alaska Peninsula estimated total sockeye salmon escapement of 1,611,310 fish, which included weir and aerial survey counts, was above the 2006–2015 average estimated escapement of 1,016,378 fish (Table 1; Figure 7). The combined North Alaska Peninsula escapement goal range is 583,400–1,095,800 sockeye salmon for systems with established goals (Schaberg et al. 2015). The systems with SEGs are Christianson Lagoon (25,000–50,000 fish), Swanson Lagoon (6,000–16,000 fish), North Creek (4,400–8,800 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 (34,000–74,000 fish), Ilnik River (40,000–60,000 fish), Meshik River (48,000–86,000 fish), and Cinder River (36,000–94,000 fish; Schaberg et al. 2015). Nelson River is the only system on the North Alaska Peninsula with a BEG (97,000–219,000 fish; Schaberg et al. 2015). The systems most often considered in management decisions and the historical escapements and goal ranges are detailed in Table 14. In 2016, seven systems exceeded their escapement goals: Christianson Lagoon (111,700 fish), North Creek (21,000 fish), Ilnik River (124,000 fish, including Ocean River), Cinder River (205,700 fish, including tributaries), Nelson River (300,000 fish), Sandy River (170,000 fish), and Meshik River (116,800 fish, including tributaries; Appendix A1 and Table 14). In addition, Swanson Lagoon, located in the Northwestern District, did not meet its escapement goal, with only 3,000 fish observed through aerial surveys (Appendix A1).

Nelson River

In 2016, 363,000 sockeye salmon escaped into streams in the Nelson Lagoon Section (Table 4), of which 300,000 fish returned to Nelson River, along with 2,000 returning to David’s River and 61,000 returning to Caribou River (Appendix A1). The Nelson River weir sockeye salmon escapement of 300,000 fish exceeded the escapement goal range of 97,000–219,000 sockeye salmon and was above the 10-year average of 174,890 fish (Tables 14 and 15; Schaberg et al. 2015). The peak daily escapement (18,889 fish) at the Nelson River weir occurred on July 6 (Table 15).

Nelson River is the only North Alaska Peninsula river system that has a female sockeye salmon escapement objective. In some years, high numbers of female sockeye salmon have been harvested, reducing the quality of escapement. To account for this, the proportion of female sockeye salmon passing the weir is determined through periodic sampling. That proportion is then extrapolated to account for the entire day’s escapement. When the weir was removed on July 27, it was estimated that about 117,181 female sockeye salmon had passed the weir (Table 15),

exceeding the management escapement objective of 50,000–110,000 female fish (Murphy and Johnson 2016).

Bear River

Bear River has early and late sockeye salmon escapement goals because the river is recognized as having 2 distinct, temporally separated runs. In 2016, the Bear River early-run (before August 1) was comparable to the upper end of the escapement goal range of 176,000–293,000 fish, with an escapement of 293,280 sockeye salmon, while the late-run (after July 31) was within the escapement goal range of 117,000–195,000 fish, with an escapement of 139,720 sockeye salmon (Tables 16 and 17; Schaberg et al. 2015). The largest daily escapement at the weir in 2016 occurred on June 28 when 21,857 sockeye salmon were counted (Table 17).

Sandy River

The total 2016 Sandy River sockeye salmon escapement of 170,000 fish was well above the escapement goal range of 34,000–74,000 fish, and exceeded 2006–2015 average escapement of 47,950 fish (Tables 14 and 18; Schaberg et al. 2015). The largest daily escapement at the Sandy River weir occurred on July 8, when 13,232 sockeye salmon were counted (Table 18).

Ilnik River

In 2016, the Ocean River, normally a tributary of the Ilnik River, altered course and drained directly into the Bering Sea. When the Ocean River drains into the Bering Sea, fish observed through aerial surveys at Ocean River are added to escapement totals for Ilnik River. In 2016 a total of 92,000 sockeye salmon were observed in the Ilnik River, and 32,000 sockeye salmon were observed in the Ocean River, for a total of 124,000 sockeye salmon (Table 19, Appendices A1 and A2). The total Ilnik River escapement exceeded the escapement goal of 40,000–60,000 fish, and was well above the 2006–2015 average of 59,030 fish (Table 14; Schaberg et al. 2015).

Port Heiden

The majority of escapement in Port Heiden is made up of fish spawning in Meshik River. Escapement into Meshik River and its tributaries are determined by aerial surveys. In 2016, 116,800 sockeye salmon were documented in the Meshik River (including Red Bluff Creek) exceeding the escapement goal of 48,000–86,000 fish (Appendix A1; Schaberg et al. 2015). This was well above the 10-year average of 89,616 fish (Table 14).

COHO SALMON

The Nelson and Ilnik rivers are the only rivers on the North Alaska Peninsula that have a coho salmon lower-bound SEG. At Nelson River, the peak escapement estimate of 45,000 coho salmon (determined by aerial surveys) exceeded the goal of 18,000 fish (Appendix A1; Schaberg et al. 2015). In 2016, the Ocean River, normally a tributary of the Ilnik River system, drained directly into the Bering Sea. When the Ocean River drains into the Bering Sea, fish observed in the Ocean River are added to escapement totals for the Ilnik River. In 2016 a total of 23,000 fish were observed in the Ilnik River, and 5,000 fish were observed in the Ocean River, for a total of 28,000 coho salmon (Appendix A1). The peak escapement estimate of 28,000 coho salmon for the Ilnik River system exceeded the escapement goal of 9,000 fish (Schaberg et al. 2015). Some of the larger estimated escapements occurred in the Meshik River (112,000 fish, including tributaries), Cinder River (56,000 fish including tributaries), and Grass Valley in the Herendeen–Moller Bay Section (8,000 fish; Appendix A1). A lack of escapement information for coho salmon in the

Northwestern District is due to poor survey conditions during the early portion of the coho salmon runs and to the departure of management staff from the Alaska Peninsula prior to peak coho salmon runs.

Approximately 291,775 coho salmon were documented by aerial surveys in 31 North Alaska Peninsula streams during 2016 (Appendix A1 and A2). It should be noted that due to budget constraints most completed surveys occurred prior to the peak of the coho salmon run.

PINK SALMON

Even-numbered year pink salmon escapements are typically larger than odd-numbered year escapements on the Alaska Peninsula. The 2016, the North Alaska Peninsula estimated total pink salmon escapement of 97,496 fish was comparable the 2006–2015 even-year average of 91,860 fish (Table 1; Appendix A1). The majority of the pink salmon escapement occurred in the Northern District (63,246 fish, Appendix A1), accounting for 65% of the total escapement for the North Peninsula.

CHUM SALMON

The North Alaska Peninsula has 2 aggregated chum salmon escapement goals: one for the Northern District, and one for the Northwestern District. In 2016, the Northern District chum salmon escapement of 277,674 fish exceeded the escapement goal of 119,600–239,200 fish (Table 8; Appendix A1; Schaberg et al. 2015). Historically the Herendeen–Moller Bay Section has the largest chum salmon run in the Northern District. In 2016, Herendeen and Moller bays accounted for about 35% of the total Northern District chum salmon escapement (98,300 fish; Table 8). The remaining chum salmon escapement in the Northern District is shown in Table 8. The Northwestern District chum salmon escapement of 113,250 fish met the goal of 100,000–215,000 fish, and was below the previous 10-year average of 152,775 fish (Table 9; Schaberg et al. 2015). The total North Alaska Peninsula estimated chum salmon escapement of 390,924 fish was above the 2006–2015 average of 343,104 fish (Table 1).

COMMERCIAL SALMON FISHERY SUMMARY

The majority of the North Alaska Peninsula commercial fishing effort targeting sockeye salmon occurred in the Nelson Lagoon, Bear River, Three Hills, Ilnik, and Outer Port Heiden sections in the Northern District. The total Northern Peninsula sockeye salmon harvest of 3,502,785 fish was above the 2006–2015 average of 1,954,463 fish (Table 1). A complete listing of all commercial salmon harvested by day on the North Peninsula can be found in Table 20.

NORTHWESTERN DISTRICT

The Northwestern District the commercial salmon fishing season starts June 1 and extends through September 30, except that in the in the Dublin Bay Section salmon may only be taken from July 10 through September 20 (5 AAC 09.310 (b)). During the 2016 Northwestern District commercial salmon fishery, a total of 39,598 sockeye, 2,379 coho, 1,812 pink, and 69,903 chum salmon were harvested (Table 21). The Northwestern District has few large sockeye salmon producing systems and receives less commercial fishing effort than the Northern District. In 2016, all commercial salmon fishing effort occurred in the Izembek–Moffet Bay Section of the Northwestern District targeting chum salmon, and 21 permit holders participated in the fishery (Table 2).

The 2016 sockeye salmon harvest in the Northwestern District of 39,598 fish was below the 2006–2015 average harvest of 42,584 fish, although this catch was above the Izembek–Moffet Bay 2006–2015 average of 25,424 fish (Table 22). The majority of sockeye salmon harvested in the Izembek–Moffet Bay Section were harvested in the Moffet Bay area (32,501 fish; Table 21). The pink salmon harvest of 1,812 fish was far below the 2006–2015 even-year average of 16,493 fish (Table 7). The Northwestern District chum salmon harvest of 69,903 fish in 2016 was below the 10-year average harvest of 118,657 fish (Table 9).

NORTHERN DISTRICT

Black Hills Section

The Black Hills Section may open to commercial salmon fishing starting May 1 (5 AAC 09.310 (a)(10)). In 2016, 39 permit holders harvested 46,487 sockeye salmon and 2,484 chum salmon in the Black Hills Section (Table 2). Regularly scheduled weekly fishing periods occurred throughout the fishing season, and starting in August, weekly 24-hour extensions to commercial fishing periods occurred. Fishing time in the Izembek–Moffet Bay Section and the Black Hills Section is usually concurrent; however, the 24-hour extensions did not apply to the Izembek–Moffet Bay area. The close proximity of the Black Hills Section to the Izembek–Moffet Bay Section means that chum salmon headed for Izembek Moffet Bay may potentially be incidentally intercepted by Black Hills fishermen targeting sockeye salmon. As a result, that portion of the Black Hills Section in close proximity to the Izembek–Moffet Bay was closed to commercial salmon fishing during the weekly 24-hour extensions occurring in the Black Hills Section. As a result, proportionally very few chum salmon were caught in 2016 in comparison to the sockeye salmon harvest. The sockeye salmon harvest was above the 10-year average of 23,331 fish (Table 4). The chum salmon harvest was well below the 10-year average of 17,092 fish (Table 8). The peak weekly harvest for sockeye and chum salmon occurred from August 2 to August 8, and a total of 32,892 sockeye salmon and 1,357 chum salmon were harvested during this time period (Table 2). North Creek is the only river in the Black Hills Section with a sockeye salmon escapement goal. The 2016 North Creek salmon escapement estimate of 21,000 sockeye salmon (determined by aerial surveys) exceeded the escapement goal of 4,400–8,800 fish (Appendix A1; Schaberg et al. 2015).

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 2016 commercial salmon fishing season, the Nelson Lagoon Section was open during regularly scheduled weekly fishing periods throughout the season, with fishing time extensions occurring weekly (Tables 23 and 24). The total Nelson River system run, consisting of the Nelson Lagoon Section harvest and escapements of all Nelson River tributaries, was 664,786 sockeye salmon (Table 4). A total of 31 permit holders harvested 301,786 sockeye salmon (Table 24), which was well above the 2006–2015 average harvest of 201,674 fish (Table 4; Figure 8). The first day of salmon harvest in the Nelson Lagoon Section occurred on June 6 and the last day was September 3. The peak daily sockeye salmon catch was on July 18, when 26 permit holders harvested 11,610 fish (Table 24). The largest weekly harvest in Nelson Lagoon occurred between July 5 and July 11, when 67,181 sockeye salmon were harvested (Table 2; Figure 9).

After August 15, the Nelson Lagoon Section was managed based on coho salmon run strength. The 2016 Nelson Lagoon coho salmon harvest of 27,312 fish was well below the 2006–2015 average of 41,744 fish and represented about 39% of the total Northern District coho salmon harvest (Tables 6 and 21). In recent years, increased processor interest and higher prices for coho salmon have resulted in increased harvest effort.

Bear River and Three Hills Sections

By regulation, the Bear River Section opens to commercial salmon fishing on May 1, while the Three Hills Section opens 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 Bear and Sandy river sockeye salmon stocks through June and July (Murphy and Johnson 2016).

Throughout 2016, the Bear River early run was late in developing, but ultimately was strong compared to previous years. Interim escapement objectives were met throughout the season. The Sandy River run was abnormally strong and interim escapement objectives were exceeded throughout the season. Commercial fishing first occurred in the Bear River Section for 1 weekly fishing period during the first week of June. Between June 8 and June 30, commercial fishing was closed in the Bear River Section in order to meet interim escapement objectives. Commercial fishing occurred from July 1 through July 29 in both the Bear River Section and Three Hills Section with occasional short closures. The Bear River and Three Hills sections were both closed July 29 in order to allow the late Bear River run to develop (Table 25). The late Bear River sockeye salmon run begins August 1. On August 5, test fisheries were conducted at the mouth of Bear River to assess if there was any marine build-up of sockeye salmon and the strength of the Bear River late-run sockeye salmon (Appendix B1 and B2). The test fishery results did not indicate that there was a harvestable surplus (Table 26) and the fishery remained closed until August 9. The Bear River and Three Hills sections reopened to commercial salmon fishing on August 9 with a large buffer zone around the mouth of Bear River to allow milling fish an opportunity to enter the river while providing some commercial salmon harvest opportunity (Table 23). When it was assured that the final escapement objective of 87,000–165,000 sockeye salmon by August 25 would be met, the buffer area was reopened to commercial salmon fishing on August 18 (Table 23).

In 2016, the Ocean River played a role in the management of the Three Hills Section. The Ocean River changes courses often on an annual basis. In 2016, the Ocean River, normally a tributary of the Ilnik River, changed course significantly and emptied into the Bering Sea close to the dividing line between the Three Hills and Ilnik sections located at 159° 49.45' west longitude. The commercial salmon fishing season was closed around the mouth of the Ocean River in order to protect escaping fish (Table 23).

Harvest in the Bear River Section occurred from June 6 to September 1. A total of 94 permit holders harvested 255,837 sockeye salmon, which was below the 2006–2015 average harvest of 394,708 fish (Tables 4 and 25). The largest weekly harvest in the Bear River Section of 67,314 sockeye salmon occurred between July 5 and July 11 (Table 2). The largest daily harvest of 27,538 sockeye salmon occurred on July 2 (Table 25). The total late-run harvest of 193,595 sockeye salmon was below the most recent 10-year average of 317,647 fish, whereas the late-run escapement (139,720 fish) was well below the most recent 10-year average of 174,362 fish (Table 16).

Harvest in the Three Hills Section occurred from July 1 through September 2. A total of 57,919 sockeye salmon were harvested by 61 permit holders (Tables 4 and 27). The 2016 sockeye salmon harvest was below the most recent 10-year average of 129,201 fish (Table 4).

Ilnik Section

The Ilnik Section may open to commercial salmon fishing on June 20, depending on escapement levels in the Ilnik and Meshik rivers (5 AAC 09.369(j)(1)(A)). Management of the Ilnik Section northeast of Unangashak Bluffs (NE Ilnik) 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 (SW Ilnik), management actions are based on Ilnik River weir escapement levels from June 20 to July 20. Between July 21 and August 15, the Ilnik Section is based on the abundance of Bear River sockeye salmon stocks (Murphy and Johnson 2016).

A total of 120 permit holders harvested 2,168,297 sockeye salmon in the Ilnik Section (Table 28). The first harvest in the Ilnik Section occurred on June 25 and the last delivery occurred on September 3 (Table 28). About 79% of the harvest (1,715,107 sockeye salmon) occurred between in NE Ilnik, and 21% (453,190 sockeye salmon) was harvested in SW Ilnik (Table 21; Figure 4). The 2016 peak daily catch was on June 25, when 158,715 sockeye salmon were harvested (Table 28). The largest weekly harvest occurred between July 5 and July 11, when 599,305 sockeye salmon were harvested (Table 2).

After August 15, by regulation, the Ilnik Section is managed on the basis of coho salmon runs into Ilnik Lagoon (Murphy and Johnson 2016). A total of 34,353 coho salmon were harvested in the Ilnik section, which was well above the 2006–2015 average of 8,612 fish (Table 6).

No commercial salmon fishing effort occurred inside Ilnik Lagoon in 2016 even though fishing time was permitted (Table 21).

Outer Port Heiden Section

This was the tenth year a directed sockeye salmon fishery occurred in the Outer Port Heiden Section since a portion of the section reopened in 2007. 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 of Area T (Murphy and Johnson 2016).

The weekly fishing period in the Outer Port Heiden Section allows 2.5 days of fishing time per week. In 2016, commercial salmon fishing opened in the Outer Port Heiden section on June 25 for the first 2.5-day fishing period. This schedule was followed through July 27 when the area closed for the season (Table 23). A total of 84 permit holders harvested 632,474 sockeye salmon from the Outer Port Heiden Section (Table 29). The peak daily catch was on July 2 when 40 permit holders harvested 117,529 sockeye salmon (Table 29). The largest weekly harvest of 203,171 sockeye salmon occurred between July 12 and July 18 (Table 2; Figure 10). The number of permit holders fishing in the Outer Port Heiden Section in 2016 was comparable to the previous 5 years (Figure 11), while the sockeye salmon harvest was above the 2007–2016 average of 493,789 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. There was no commercial fishing effort in the Inner Port Heiden Section in 2016. Confidentiality

requirements prohibit the release of information regarding the Cinder River Section; however, the catch was negligible. Commercial fishing effort has not significantly or consistently occurred in either the Inner Port Heiden or Cinder River sections since the late 1990s. Table 30 provides historical harvest data for the Area M/Area T overlap area.

EMERGENCY ORDERS

In 2016, there were a total of 42 emergency orders issued concerning North Alaska Peninsula salmon fisheries (Table 23). The first emergency order for the North Alaska Peninsula was issued on June 12 and the last on September 2. Emergency orders for North Alaska Peninsula fisheries were issued from the regional ADF&G offices in Port Moller for the Northern District, and in Sand Point for the Northwestern District in 2016.

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TABLES AND FIGURES

Table 1.—North Alaska Peninsula salmon runs by species, 1962–2016.

Year		Number of salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1962	Catch	5,400	249,700	35,200	31,200	34,900	356,400
	Escapement ^a	4,400	351,200		4,000	150,900	
	Total	9,800	600,900		35,200	185,800	
1963	Catch	3,600	225,200	40,500	6,900	49,900	326,100
	Escapement ^a	6,200	351,000		4,400 ^b	203,200	
	Total	9,800	576,200		11,300 ^b	253,100	
1964	Catch	3,600	250,800	36,600	6,800	139,000	436,800
	Escapement ^a	25,900	419,900		15,100	156,100	
	Total	29,500	670,700		21,900	295,100	
1965	Catch	6,100	199,500	34,500	2,100	69,700	311,900
	Escapement ^a	22,100	238,400		900	49,300	
	Total	28,200	437,900		3,000	119,000	
1966	Catch	5,600	245,300	37,300	16,000	82,800	387,000
	Escapement ^a	8,200	283,300		2,000	149,000	
	Total	13,800	528,600		18,000	231,800	
1967	Catch	5,500	224,700	46,800	700	41,300	319,000
	Escapement ^a	12,200	299,700		700	122,600	
	Total	17,700	524,400		1,400	163,900	
1968	Catch	4,500	237,100	64,900	200	73,500	380,200
	Escapement ^a	15,800	251,300		26,500	250,800	
	Total	20,300	488,400		26,700	324,300	
1969	Catch	4,800	321,300	49,100	100	28,100	403,400
	Escapement ^a	19,500	575,000		4,400	146,800	
	Total	24,300	896,300		4,500	174,900	
1970	Catch	3,829	187,793	26,327	7,904	47,989	273,842
	Escapement ^a	8,300	451,500		11,100	169,800	
	Total	12,129	639,293		19,004	217,789	
1971	Catch	2,187	353,784	8,222	297	64,154	428,644
	Escapement ^a	5,200	435,100		8,600	109,400	
	Total	7,387	788,884		8,897	173,554	
1972	Catch	1,790	179,325	9,684	129	84,687	275,615
	Escapement ^a	5,000	190,200		1,300	124,000	
	Total	6,790	369,525		1,429	208,687	
1973	Catch	2,569	165,388	19,776	143	152,773	340,649
	Escapement ^a	4,300	180,200		200	122,400	
	Total	6,869	345,588		343	275,173	
1974	Catch	2,710	246,209	16,799	10,599	34,417	310,734
	Escapement ^a	3,000	332,800		23,000	105,100	
	Total	5,710	579,009		33,599	139,517	

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Table 1.–Page 2 of 5.

Year		Number of salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1975	Catch	2,093	233,293	28,349	295	8,770	272,800
	Escapement ^a	4,600	516,800		600	109,200	
	Total	6,693	750,093		895	117,970	
1976	Catch	4,947	641,134	26,061	672	73,589	746,403
	Escapement ^a	6,000	532,600		37,300	293,400	
	Total	10,947	1,173,734		37,972	366,989	
1977	Catch	5,489	472,006	34,137	888	129,168	641,688
	Escapement ^a	7,100	541,100		8,500	681,200	
	Total	12,589	1,013,106		9,388	810,368	
1978	Catch	13,524	896,616	63,341	485,224	163,804	1,622,509
	Escapement ^a	13,700	1,213,500		96,800	310,500	
	Total	27,224	2,110,116		582,024	474,304	
1979	Catch	15,704	1,979,167	112,835	4,994	65,711	2,178,411
	Escapement ^a	15,800	1,574,000		9,300	305,300	
	Total	31,504	3,553,167		14,294	371,011	
1980	Catch	16,627	1,397,118	127,878	301,672	700,196	2,543,491
	Escapement ^a	11,000	1,387,600		103,600	769,500	
	Total	27,627	2,784,718		405,272	1,469,696	
1981	Catch	18,385	1,844,335	155,420	11,217	706,818	2,736,175
	Escapement ^a	12,400	1,347,900		6,100	535,200	
	Total	30,785	3,192,235		17,317	1,242,018	
1982	Catch	29,770	1,435,277	238,016	12,321	331,133	2,046,517
	Escapement ^a	20,000	718,400		51,700	457,600	
	Total	49,770	2,153,677		64,021	788,733	
1983	Catch	29,006	2,090,142	75,138	3,404	348,307	2,545,997
	Escapement ^a	25,700	580,300		4,000	392,600	
	Total	54,706	2,670,442		7,404	740,907	
1984	Catch	22,770	1,798,780	200,482	46,369	805,132	2,873,533
	Escapement ^a	17,700	826,000		56,600	870,200	
	Total	40,470	2,624,780		102,969	1,675,332	
1985	Catch	23,403	2,596,073	176,118	3,054	666,616	3,465,264
	Escapement ^a	12,900	898,100		1,400	344,200	
	Total	36,303	3,494,173		4,454	1,010,816	
1986	Catch	11,735	2,463,734	164,071	22,630	271,216	2,933,386
	Escapement ^a	8,700	580,300		13,300	243,600	
	Total	20,435	3,044,034		35,930	514,816	
1987	Catch	14,186	1,209,435	171,784	3,486	368,696	1,767,587
	Escapement ^a	10,700	556,000		100	510,900	
	Total	24,886	1,765,435		3,586	879,596	

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Table 1.–Page 3 of 5.

Year		Number of salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1988	Catch	16,721	1,528,107	233,966	65,242	393,075	2,237,111
	Escapement ^a	11,700	614,900	200–300 ^{b,c}	43,500	500,300	
	Total	28,421	2,143,007		108,742	893,375	
1989	Catch	10,698	1,718,001	227,551	4,103	156,992	2,117,345
	Escapement ^a	5,600	814,400	150–250 ^{b,c}	1,900	212,300	
	Total	16,298	2,532,401		6,003	369,292	
1990	Catch	12,320	2,416,047	192,978	517,724	126,113	3,265,182
	Escapement ^a	7,100	1,032,200	140–175 ^{b,c}	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 ^a	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 ^a	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 ^a	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 ^a	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 ^a	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 ^a	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 ^a	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 ^a	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 ^a	10,900	898,875		25,000	666,300	
	Total	15,786	2,682,679		29,367	716,420	

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Table 1.–Page 4 of 5.

Year		Number of salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
2000	Catch	3,904	1,968,882	83,655	34,373	93,696	2,184,510
	Escapement ^a	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 ^a	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 ^a	18,900	829,190	289,333	24,900	679,900	
	Total	22,752	2,245,062	318,084	46,361	730,940	
2003	Catch	4,545	1,477,391	53,137	18,624	38,755	1,592,452
	Escapement ^a	11,078	1,271,011	337,800	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 ^a	30,874	1,433,777	520,400	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 ^a	30,617	1,547,788	138,169	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 ^a	32,173	1,197,546	229,440	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 ^a	20,685	1,068,952	74,050 ^d	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 ^a	36,072	1,018,670	178,925	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 ^a	12,807	934,400	206,695	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 ^a	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 ^a	15,254	795,105	108,150	16,778	248,352	
	Total	17,622	1,718,299	127,590	125,608	542,134	

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Table 1.–Page 5 of 5.

Year		Number of Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
2012	Catch	1,053	764,388	37,399	1,173	283,035	1,087,048
	Escapement ^a	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 ^a	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 ^a	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 ^a	11,545	1,375,960	258,050	263,796	278,994	
	Total	14,344	4,104,278	299,938	276,188	470,670	
2016	Catch	1,891	3,502,785	73,038	12,274	88,894	3,678,882
	Escapement ^a	17,464	1,611,310	291,775	97,496	390,924	
	Total	19,355	5,113,895	364,813	109,770	479,818	
2015	Projected Catch	3,000	2,200,000	75,000	25,000	200,000	2,503,000
2006–2015 average							
	Catch	3,075	1,954,463	66,261	21,157 ^e	188,342	2,301,443
	Escapement ^a	15,443	1,016,378	179,528	91,860 ^e	343,104	
	Total	21,061	3,026,771	246,244	149,089 ^e	518,297	

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

^a Escapements are estimated totals.

^b These figures are very rough extrapolated estimates.

^c Number of fish in thousands.

^d No surveys were conducted in the Northern District.

^e Averages for pink salmon include only the even-numbered years 2006, 2008, 2010, 2012, and 2014.

Table 2.–North Alaska Peninsula salmon harvest by species, week, and section, all gear combined, 2016.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Dublin Bay Section^a												
Total	0	-	-	-	-	-	-	-	-	-	-	-
Urilia Bay Section^a												
Total	0	-	-	-	-	-	-	-	-	-	-	-
Swanson Lagoon Section^a												
Total	0	-	-	-	-	-	-	-	-	-	-	-
Bechevin Bay Section^a												
Total	0	-	-	-	-	-	-	-	-	-	-	-
Izembek–Moffet Bay Section												
28-Jun to 11-Jul	3	6	0	0	5,520	34,945	0	0	8	26	10,852	84,065
12-Jul to 18-Jul	6	15	0	0	10,840	72,252	1	6	77	320	17,260	128,358
19-Jul to 25-Jul	5	10	0	0	5,818	39,591	4	26	14	56	9,109	70,485
26-Jul to 01-Aug	3	5	0	0	788	4,684	0	0	30	90	5,516	40,330
02-Aug to 08-Aug	6	13	0	0	7,214	37,735	34	190	568	2,241	5,880	42,069
09-Aug to 15-Aug	7	18	0	0	4,550	26,670	11	77	513	2,119	16,455	131,483
16-Aug to 22-Aug	3	3	0	0	244	1,622	0	0	6	32	955	6,790
23-Aug to 29-Aug	18	27	0	0	4,624	23,258	2,329	14,824	596	2,332	3,876	28,180
Total	21	97	0	0	39,598	240,757	2,379	15,123	1,812	7,216	69,903	531,760

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Table 2.-Page 2 of 6.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Caribou Flats Section ^b												
Total												
Black Hills Section												
14-Jun to 27-Jun	11	11	36	330	1,692	8,535	0	0	7	28	42	224
21-Jun to 27-Jun ^a	0	-	-	-	-	-	-	-	-	-	-	-
28-Jun to 25-Jul ^a	0	-	-	-	-	-	-	-	-	-	-	-
05-Jul to 11-Jul ^a	0	-	-	-	-	-	-	-	-	-	-	-
12-Jul to 18-Jul ^c	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul to 25-Jul ^a	0	-	-	-	-	-	-	-	-	-	-	-
26-Jul to 01-Aug	19	19	1	12	7,198	41,423	99	541	55	196	801	5,095
02-Aug to 08-Aug	25	92	3	28	32,892	174,601	213	1,369	306	1,058	1,357	8,901
09-Aug to 15-Aug	3	7	2	30	4,062	21,578	74	450	296	1,401	98	631
16-Aug to 22-Aug	9	11	0	0	643	3,559	303	1,831	182	681	186	1,164
Total	39	140	42	400	46,487	249,696	689	4,191	846	3,364	2,484	16,015
Nelson Lagoon Section												
31-May to 06-Jun	13	13	11	210	739	3,956	0	0	0	0	0	0
07-Jun to 13-Jun	19	43	137	2,630	4,819	26,388	0	0	0	0	0	0
14-Jun to 20-Jun	22	74	507	10,781	20,736	110,254	0	0	0	0	0	0
21-Jun to 27-Jun	23	43	346	6,746	15,357	85,110	0	0	0	0	0	0
28-Jun to 04-Jul	27	143	171	3,494	34,348	188,224	0	0	0	0	0	0
05-Jul to 11-Jul	28	191	14	297	67,181	386,587	0	0	0	0	0	0
12-Jul to 18-Jul	28	181	2	34	60,339	345,940	0	0	0	0	429	3,140
19-Jul to 25-Jul	27	155	0	0	49,974	287,035	3	21	0	0	1,308	10,074
26-Jul to 01-Aug	24	115	0	0	25,472	147,893	42	222	0	0	3,212	24,904
02-Aug to 08-Aug	22	74	0	0	12,532	73,654	371	2,370	0	0	1,463	11,781
09-Aug to 15-Aug	14	65	0	0	7,564	43,555	2,283	15,298	61	268	443	3,330
16-Aug to 22-Aug	12	32	0	0	1,341	7,425	1,886	13,369	11	33	112	808
23-Aug to 29-Aug	11	67	0	0	1,327	6,734	16,907	140,840	29	104	0	0
30-Aug to 05-Sep	9	36	0	0	57	286	5,820	48,753	0	0	0	0
Total	31	1,232	1,188	24,192	301,786	1,713,041	27,312	220,873	101	405	6,967	54,037

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Table 2.–Page 3 of 6.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Herendeen–Moller Bay Section ^c												
Total	-	-	-	-	-	-	-	-	-	-	-	-
Port Moller Bight Section ^c												
Total	-	-	-	-	-	-	-	-	-	-	-	-
Bear River Section												
31-May to 06-Jun	6	6	41	593	34	211	0	0	0	0	0	0
07-Jun to 13-Jun ^c	-	-	-	-	-	-	-	-	-	-	-	-
14-Jun to 20-Jun ^d	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun to 27-Jun ^d	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun to 04-Jul	23	53	40	514	36,720	187,495	0	0	2	8	216	1,187
05-Jul to 11-Jul	26	106	11	124	67,314	354,448	0	0	4	15	1,229	6,885
12-Jul to 18-Jul	36	133	4	70	62,656	360,022	2	10	31	102	1,879	11,212
19-Jul to 25-Jul	35	68	3	53	32,235	182,327	7	35	0	0	538	3,221
26-Jul to 01-Aug	26	46	0	0	14,648	84,575	9	52	0	0	460	2,735
02-Aug to 08-Aug ^d	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug to 15-Aug	31	63	1	10	14,595	80,068	146	865	143	603	174	1,024
16-Aug to 22-Aug	38	78	0	0	12,437	67,661	596	3,665	158	669	257	1,670
23-Aug to 29-Aug	26	52	1	16	13,400	74,052	1,606	11,028	182	777	136	889
30-Aug to 05-Sep	15	16	0	0	1,798	9,298	1,219	7,022	0	0	1	6
Total	94	621	101	1,380	255,837	1,400,157	3,585	22,677	520	2,174	4,890	28,829

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Table 2.-Page 4 of 6.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Three Hills Section												
28-Jun to 04-Jul	8	8	6	111	3,406	18,399	0	0	2	5	5	31
05-Jul to 11-Jul	4	5	0	0	2,434	14,056	0	0	0	0	0	0
12-Jul to 18-Jul	7	19	0	0	10,502	63,276	1	4	0	0	83	520
19-Jul to 25-Jul	9	9	0	0	4,220	25,555	0	0	22	100	18	92
26-Jul to 01-Aug	12	15	0	0	6,653	37,932	0	0	0	0	40	237
02-Aug to 08-Aug ^d	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug to 15-Aug	29	39	1	10	10,620	58,299	215	1,467	188	814	219	1,372
16-Aug to 22-Aug	13	14	0	0	3,423	18,617	172	1,189	114	336	40	233
23-Aug to 29-Aug	32	55	0	0	11,953	65,457	2,681	18,756	165	702	80	516
30-Aug to 05-Sep	13	20	0	0	4,708	26,326	1,646	11,640	0	0	15	100
Total	61	184	7	121	57,919	327,917	4,715	33,056	491	1,957	500	3,101
Innik Section												
21-Jun to 27-Jun	91	254	189	2,885	308,321	1,706,953	0	0	49	132	458	2,867
28-Jun to 18-Jul	117	546	214	3,163	486,999	2,690,197	0	0	81	226	1,372	8,708
05-Jul to 11-Jul	109	737	51	800	599,305	3,371,295	0	0	29	90	692	4,229
12-Jul to 18-Jul	100	500	18	306	370,759	2,048,639	3	16	135	382	204	1,281
19-Jul to 25-Jul	83	309	3	47	239,637	1,347,667	18	108	32	103	90	567
26-Jul to 01-Aug	48	94	0	0	42,667	237,991	39	258	32	88	98	620
02-Aug to 08-Aug ^d	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug to 15-Aug	48	179	2	42	57,239	319,312	2,829	18,741	3,653	11,619	384	2,464
16-Aug to 22-Aug	51	120	0	0	28,403	153,226	6,715	43,586	2,058	7,001	201	1,222
23-Aug to 29-Aug	32	132	1	20	26,705	146,857	15,312	106,486	2,330	8,864	48	302
30-Aug to 05-Sep	25	45	0	0	8,262	45,421	9,437	66,799	15	68	8	56
Total	120	2,916	478	7,263	2,168,297	12,067,558	34,353	235,994	8,414	28,573	3,555	22,316

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Table 2.–Page 5 of 6.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Harbor Point to Outer Port Heiden (Port Moller Bight, Bear River, Three Hills, Ilnik, and Outer Port Heiden Sections Combined)												
31-May to 06-Jun	6	6	41	593	34	211	0	0	0	0	0	0
07-Jun to 13-Jun ^c	-	-	-	-	-	-	-	-	-	-	-	-
14-Jun to 20-Jun ^d	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun to 27-Jun	96	294	243	3691	336,948	1,861,825	0	0	122	315	674	4198
28-Jun to 04-Jul	119	739	274	4,070	710,079	3,929,487	0	0	85	239	1,834	11,575
05-Jul to 11-Jul	119	977	63	959	769,890	4,324,831	0	0	33	105	1,951	11,320
12-Jul to 18-Jul	119	901	25	428	647,088	3,647,798	7	37	166	484	2,198	13,237
19-Jul to 25-Jul	102	524	7	122	370,749	2,101,241	27	154	54	203	683	4,132
26-Jul to 01-Aug	81	207	2	60	86,196	482,071	50	318	47	138	602	3,620
02-Aug to 08-Aug ^c	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug to 15-Aug	65	284	4	62	82,454	457,679	3,190	21,073	3,984	13,036	777	4,860
16-Aug to 22-Aug	67	212	0	0	44,263	239,504	7,483	48,440	2,330	8,006	498	3,125
23-Aug to 29-Aug	46	220	2	36	52,058	286,366	19,599	136,270	2,677	10,343	264	1,707
30-Aug to 05-Sep	31	81	0	0	14,768	81,045	12,302	85,461	15	68	24	162
Total ^c	121	4,445	661	10,021	3,114,527	17,412,058	42,658	291,753	9,513	32,937	9,505	57,936
Outer Port Heiden Section												
21-Jun to 27-Jun	25	40	54	806	28,627	154,872	0	0	73	183	216	1,331
28-Jun to 04-Jul	57	132	14	282	182,954	1,033,396	0	0	0	0	241	1,649
05-Jul to 11-Jul	53	128	1	35	100,837	585,032	0	0	0	0	30	206
12-Jul to 18-Jul	68	252	3	52	203,171	1,175,861	1	7	0	0	32	224
19-Jul to 25-Jul	50	139	1	22	94,657	545,692	2	11	0	0	37	252
26-Jul to 01-Aug	32	52	2	60	22,228	121,573	2	8	15	50	4	28
Total	84	743	75	1,257	632,474	3,616,426	5	26	88	233	560	3,690

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Table 2.–Page 6 of 6.

Catch dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Entire North Peninsula												
31-May to 06-Jun	19	19	52	803	773	4,167	0	0	0	0	0	0
07-Jun to 13-Jun	19	43	137	2,630	4,819	26,388	0	0	0	0	0	0
14-Jun to 20-Jun	22	74	507	10,781	20,736	110,254	0	0	0	0	0	0
21-Jun to 27-Jun	119	348	625	10,767	353,997	1,955,470	0	0	129	343	716	4,422
28-Jun to 04-Jul	148	885	445	7,564	746,688	4,131,662	0	0	85	239	7,535	54,702
05-Jul to 11-Jul	148	1,171	77	1,256	840,665	4,734,071	0	0	41	131	7,106	52,280
12-Jul to 18-Jul	150	1,097	27	462	718,267	4,065,990	8	43	243	804	19,887	144,735
19-Jul to 25-Jul	134	689	7	122	426,541	2,427,866	34	201	68	259	11,100	84,691
26-Jul to 01-Aug	108	346	3	72	119,654	676,071	191	1,081	132	424	10,131	73,949
02-Aug to 08-Aug	56	184	3	28	53,193	289,489	618	1,319	884	3,339	8,724	62,894
09-Aug to 15-Aug	85	372	6	92	98,127	546,966	5,558	36,898	4,846	16,792	17,780	140,321
16-Aug to 22-Aug	83	260	0	0	46,491	252,110	9,672	59,977	2,529	8,752	1,751	11,887
23-Aug to 29-Aug	62	320	2	36	58,009	316,358	38,835	278,797	3,302	12,779	4,140	29,887
30-Aug to 05-Sep	41	119	0	0	14,825	81,331	18,122	131,722	15	68	24	162
Total^c	157	5,927	1,891	34,613	3,502,785	19,618,193	73,038	510,038	12,274	43,930	88,894	659,930

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

^a No commercial salmon harvest effort.

^b The Caribou Flats Section: no open season.

^c Confidentiality requirements prohibit reporting the harvest. Totals include numbers omitted for confidentiality purposes.

^d Fishery closed.

^e This total differs from the sum of the individual sections because it includes numbers omitted from other areas due to confidentiality requirements.

Table 3.—Northern District Chinook salmon runs in number of fish, by section, 1962–2016.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills and Ilnik sections	Bear River Section	Port Moller Bight and Herendeen–Moller Bay sections	Nelson Lagoon Section ^b	Caribou Flats and Black Hills sections	Northern District totals
1962	Catch	0	0	400	0	500	700	3,700	0	5,300
	Escapement ^c	0	0	1,100	0	500	0	2,700	100	4,400
	Total	0	0	1,500	0	1,000	700	6,400	100	9,700
1963	Catch	0	0	0	0	600	200	2,500	0	3,300
	Escapement ^c	0	0	100	0	200	0	4,000	1,900	6,200
	Total	0	0	100	0	800	200	6,500	1,900	9,500
1964	Catch	0	0	0	100	300	0	3,300	0	3,700
	Escapement ^c	5,800	0	4,200	500	3,000	0	8,400	4,000	25,900
	Total	5,800	0	4,200	600	3,300	0	11,700	4,000	29,600
1965	Catch	0	0	1,900	300	100	0	4,000	0	6,300
	Escapement ^c	700	0	1,000	0	5,400	0	11,900	3,000	22,000
	Total	700	0	2,900	300	5,500	0	15,900	3,000	28,300
1966	Catch	0	0	700	0	100	0	2,400	0	3,200
	Escapement ^c	0	0	1,300	0	300	0	4,700	1,900	8,200
	Total	0	0	2,000	0	400	0	7,100	1,900	11,400
1967	Catch	0	0	1,400	0	100	400	3,600	0	5,500
	Escapement ^c	800	0	500	300	3,000	0	5,100	1,300	11,000
	Total	800	0	1,900	300	3,100	400	8,700	1,300	16,500
1968	Catch	0	0	1,000	100	300	1,300	2,800	0	5,500
	Escapement ^c	300	0	1,100	0	2,600	0	7,300	2,700	14,000
	Total	300	0	2,100	100	2,900	1,300	10,100	2,700	19,500
1969	Catch	0	0	1,400	0	500	500	2,500	0	4,900
	Escapement ^c	800	0	1,100	0	1,000	0	8,100	1,600	12,600
	Total	800	0	2,500	0	1,500	500	10,600	1,600	17,500

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Table 3.–Page 2 of 7.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills and Ilnik sections	Bear River Section	Port Moller Bight and Herendeen– Moller Bay sections	Nelson Lagoon Section ^b	Caribou Flats and Black Hills sections	Northern District totals
1970	Catch	0	0	0	22	800	420	2,587	0	3,829
	Escapement ^c	200	0	300	300	1,000	0	2,900	2,000	6,700
	Total	200	0	300	322	1,800	420	5,487	2,000	10,529
1971	Catch	0	0	0	112	315	370	1,390	0	2,187
	Escapement ^c	100	0	100	200	800	0	2,300	1,500	5,000
	Total	100	0	100	312	1,115	370	3,690	1,500	7,187
1972	Catch	0	0	0	61	208	227	1,294	0	1,790
	Escapement ^c	700	0	1,600	0	100	0	1,400	1,000	4,800
	Total	700	0	1,600	61	308	227	2,694	1,000	6,590
1973	Catch	0	0	0	47	672	341	1,503	0	2,563
	Escapement ^c	600	0	600	0	100	0	1,500	800	3,600
	Total	600	0	600	47	772	341	3,003	800	6,163
1974	Catch	0	0	0	43	296	142	2,225	0	2,706
	Escapement ^c	500	0	700	0	300	0	1,100	400	3,000
	Total	500	0	700	43	596	142	3,325	400	5,706
1975	Catch	0	0	376	21	292	201	1,203	0	2,093
	Escapement ^c	100	0	900	0	700	0	2,500	400	4,600
	Total	100	0	1,276	21	992	201	3,703	400	6,693
1976	Catch	0	0	1,496	93	537	592	2,220	0	4,938
	Escapement ^c	1,600	0	200	0	500	0	3,300	400	6,000
	Total	1,600	0	1,696	93	1,037	592	5,520	400	10,938
1977	Catch	1	0	2,494	75	673	509	1,734	0	5,486
	Escapement ^c	100	0	700	0	0	0	5,600	700	7,100
	Total	101	0	3,194	75	673	509	7,334	700	12,586
1978	Catch	0	0	8,740	41	643	745	3,350	0	13,519
	Escapement ^c	1,100	0	4,200	0	200	0	4,200	4,000	13,700
	Total	1,100	0	12,940	41	843	745	7,550	4,000	27,219

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Table 3.–Page 3 of 7.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills and Ilnik sections	Bear River Section	Port Moller Bight and Herendeen–Moller Bay sections	Nelson Lagoon Section ^b	Caribou Flats and Black Hills sections	Northern District totals
1979	Catch	0	0	8,346	11	1,420	523	5,399	0	15,699
	Escapement ^c	300	0	3,200	0	0	0	11,000	1,500	16,000
	Total	300	0	11,546	11	1,420	523	16,399	1,500	31,699
1980	Catch	1	0	5,242	136	1,663	873	8,706	0	16,621
	Escapement ^c	3,000	0	1,600	0	100	0	5,500	800	11,000
	Total	3,001	0	6,842	136	1,763	873	14,206	800	27,621
1981	Catch	0	0	5,595	23	1,667	106	10,981	0	18,372
	Escapement ^c	3,000	0	1,000	0	2,300	0	5,200	900	12,400
	Total	3,000	0	6,595	23	3,967	106	16,181	900	30,772
1982	Catch	5	0	10,950	904	2,736	650	13,337	1,175	29,757
	Escapement ^c	2,500	0	7,500	0	900	0	7,000	2100	20,000
	Total	2,505	0	18,450	904	3,636	650	20,337	3,275	49,757
1983	Catch	1	0	6,408	933	8,474	679	12,055	433	28,983
	Escapement ^c	7,200	0	900	0	1,500	0	12,500	3,600	25,700
	Total	7,201	0	7,308	933	9,974	679	24,555	4,033	54,683
1984	Catch	0	0	6,394	1,301	5,807	547	7,801	863	22,713
	Escapement ^c	400	0	7,400	0	600	0	6,300	3,000	17,700
	Total	400	0	13,794	1,301	6,407	547	14,101	3,863	40,413
1985	Catch	2	0	4,354	1,665	4,729	1,762	10,850	0	23,362
	Escapement ^c	700	0	4,700	0	1,200	0	3,200	3,200	13,000
	Total	702	0	9,054	1,665	5,929	1,762	14,050	3,200	36,362
1986	Catch	0	1	1,821	1,516	2,942	410	4,849	173	11,712
	Escapement ^c	1,700	0	2,400	0	800	0	1,800	2,100	8,800
	Total	1,700	1	4,221	1,516	3,742	410	6,649	2,273	20,512

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Table 3.–Page 4 of 7.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills and Ilnik sections	Bear River Section	Port Moller Bight and Herendeen–Moller Bay sections	Nelson Lagoon Section ^b	Caribou Flats and Black Hills sections	Northern District totals
1987	Catch	3	0	3,217	873	3,789	321	5,823	100	14,126
	Escapement ^c	900	0	1,400	0	700	0	4,100	3,600	10,700
	Total	903	0	4,617	873	4,489	321	9,923	3,700	24,826
1988	Catch	1	0	5,816	805	3,447	151	6,467	0	16,687
	Escapement ^c	400	0	2,200	200	1,200	0	3,300	3,300	10,600
	Total	401	0	8,016	1,005	4,647	151	9,767	3,300	27,287
1989	Catch	118	1	2,927	490	2,089	243	3,822	985	10,675
	Escapement ^c	200	0	800	0	900	0	3,100	600	5,600
	Total	318	1	3,727	490	2,989	243	6,922	1,585	16,275
1990	Catch	63	0	4,699	545	2,145	126	3,573	1,126	12,277
	Escapement ^c	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 ^c	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 ^c	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 ^c	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 ^c	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 ^c	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

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Table 3.–Page 5 of 7.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills and Ilnik sections	Bear River Section	Port Moller Bight and Herendeen–Moller Bay sections	Nelson Lagoon Section ^b	Caribou Flats and Black Hills sections	Northern District totals
1996	Catch	748	0	8	369	1,298	73	2,308	128	4,932
	Escapement ^c	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 ^c	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 ^c	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
1999	Catch	205	0	279	1,893	408	17	1,925	90	4,817
	Escapement ^c	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 ^c	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 ^c	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 ^c	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 ^c	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 ^c	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

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Table 3.–Page 6 of 7.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills and Ilnik sections	Bear River Section	Port Moller Bight and Herendeen–Moller Bay sections	Nelson Lagoon Section ^b	Caribou Flats and Black Hills sections	Northern District totals
2005	Catch	231	0	261	1,706	4,081	0	2,887	24	9,190
	Escapement ^c	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 ^c	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 ^c	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
2008	Catch	0	168	0	701	13	0	881	30	1,793
	Escapement ^c	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 ^c	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 ^c	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 ^c	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 ^c	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

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Table 3.–Page 7 of 7.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills and Ilnik sections	Bear River Section	Port Moller Bight and Herendeen–Moller Bay sections	Nelson Lagoon Section ^b	Caribou Flats and Black Hills	Northern District totals
2013	Catch	0	50	0	75	55	0	346	37	563
	Escapement ^c	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 ^c	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 ^c	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	0	75	0	485	101	0	1,188	42	1,891
	Escapement ^c	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
2006–2015 average										
	Catch ^d	0	437	106	1,038	585	8	907	24	3,062
	Escapement	3,902	0	4,258	17	1,491	0	2,660	3,117	15,443
	Total	3,902	437	4,364	1,055	2,075	8	3,567	3,141	18,505

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

^a Outer Port Heiden Section was closed between 1990 and 2006.

^b Entire Nelson Lagoon watershed, including David's and Caribou rivers.

^c Escapements are estimated totals.

^d Outer Port Heiden harvest average includes 2007-2015, the years the section has been reopened.

Table 4.–Northern District sockeye salmon runs in number of fish, by section, 1962–2016.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section ^b	Ilnik Section	Three Hills Section	Bear River Section ^c	Combined Ilnik, Three Hills, & Bear R. sections	Port Moller Bight & Herendeen–Moller Bay sections	Nelson Lagoon Section ^d	Caribou Flats & Black Hills sections	Northern District totals
1962	Catch	900	0	17,800	9,700	^f	142,900	152,600	0	69,600	0	240,900
	Escapement ^e	5,000	0	19,000	5,900	^f	215,000	220,900	100	54,200	1,000	300,200
	Total	5,900	0	36,800	15,600	^f	357,900	373,500	100	123,800	1,000	541,100
1963	Catch	0	0	0	26,600	^f	120,000	146,600	0	71,500	0	218,100
	Escapement ^e	1,400	0	14,200	10,400	^f	238,600	249,000	100	31,000	1,300	297,000
	Total	1,400	0	14,200	37,000	^f	358,600	395,600	100	102,500	1,300	515,100
1964	Catch	0	0	6,300	33,300	^f	107,500	140,800	0	88,700	0	235,800
	Escapement ^e	1,500	0	10,000	6,500	^f	250,200	256,700	200	80,000	1,500	349,900
	Total	1,500	0	16,300	39,800	^f	357,700	397,500	200	168,700	1,500	585,700
1965	Catch	0	0	9,700	58,400	^f	62,400	120,800	100	53,800	0	184,400
	Escapement ^e	7,500	0	30,000	12,500	^f	137,000	149,500	0	37,000	500	224,500
	Total	7,500	0	39,700	70,900	^f	199,400	270,300	100	90,800	500	408,900
1966	Catch	0	0	8,000	11,000	^f	152,600	163,600	0	60,000	0	231,600
	Escapement ^e	3,000	0	11,700	24,300	^f	185,000	209,300	600	36,500	2,300	263,400
	Total	3,000	0	19,700	35,300	^f	337,600	372,900	600	96,500	2,300	495,000
1967	Catch	0	0	3,100	0	^f	156,100	156,100	12,500	40,200	0	211,900
	Escapement ^e	3,800	0	12,000	26,400	^f	200,000	226,400	200	42,000	500	284,900
	Total	3,800	0	15,100	26,400	^f	356,100	382,500	12,700	82,200	500	496,800
1968	Catch	0	0	0	78,600	^f	90,500	169,100	3,400	51,100	0	223,600
	Escapement ^e	4,100	0	15,000	15,000	^f	166,000	181,000	400	31,000	2,000	233,500
	Total	4,100	0	15,000	93,600	^f	256,500	350,100	3,800	82,100	2,000	457,100
1969	Catch	0	0	5,200	24,000	^f	205,500	229,500	4,400	72,800	0	311,900
	Escapement ^e	3,800	0	15,000	15,600	^f	406,000	421,600	100	78,500	2,500	521,500
	Total	3,800	0	20,200	39,600	^f	611,500	651,100	4,500	151,300	2,500	833,400

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Table 4.-Page 2 of 8.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section ^b	Ilnik Section	Three Hills Section	Bear River Section ^c	Combined Ilnik, Three Hills, & Bear R. sections	Port Moller Bight & Herendeen-Moller Bay sections	Nelson Lagoon Section ^d	Caribou Flats & Black Hills sections	Northern District totals
1970	Catch	0	0	0	21,011	^f	109,209	130,220	1,672	52,043	21	183,956
	Escapement ^e	1,500	0	14,100	15,300	800	294,000	310,100	0	82,400	1,400	409,500
	Total	1,500	0	14,100	36,311	800	403,209	440,320	1,672	134,443	1,421	593,456
1971	Catch	0	0	0	16,153	40,929	238,628	295,710	1,301	47,536	0	344,547
	Escapement ^e	2,000	0	30,800	26,100	400	281,000	307,500	200	60,100	500	401,100
	Total	2,000	0	30,800	42,253	41,329	519,628	603,210	1,501	107,636	500	745,647
1972	Catch	0	0	2	4,478	7,513	136,160	148,151	1,006	23,227	0	172,386
	Escapement ^e	400	0	3,500	13,100	0	135,400	148,500	0	28,000	0	180,400
	Total	400	0	3,502	17,578	7,513	271,560	296,651	1,006	51,227	0	352,786
1973	Catch	0	0	0	0	16,659	117,678	134,337	3,287	23,896	0	161,520
	Escapement ^e	1,200	0	7,200	16,000	0	130,100	146,100	0	18,700	0	173,200
	Total	1,200	0	7,200	16,000	16,659	247,778	280,437	3,287	42,596	0	334,720
1974	Catch	0	0	0	0	46,895	157,457	204,352	7,730	25,611	34	237,727
	Escapement ^e	1,300	0	1,400	14,500	100	266,500	281,100	0	39,900	1,800	325,500
	Total	1,300	0	1,400	14,500	46,995	423,957	485,452	7,730	65,511	1,834	563,227
1975	Catch	0	0	644	411	8,296	165,730	174,437	3,739	51,519	0	230,339
	Escapement ^e	900	0	5,100	40,500	300	310,000	350,800	100	138,600	2,000	497,500
	Total	900	0	5,744	40,911	8,596	475,730	525,237	3,839	190,119	2,000	727,839
1976	Catch	3	0	4,973	11,954	207,765	310,869	530,588	9,912	74,914	0	620,390
	Escapement ^e	6,300	0	30,300	15,100	600	328,000	343,700	500	108,900	7,400	497,100
	Total	6,303	0	35,273	27,054	208,365	638,869	874,288	10,412	183,814	7,400	1,117,490
1977	Catch	8	0	3,416	12,592	85,295	268,676	366,563	11,061	56,314	44	437,406
	Escapement ^e	3,900	0	23,600	20,600	100	265,200	285,900	13,500	155,000	4,100	486,000
	Total	3,908	0	27,016	33,192	85,395	533,876	652,463	24,561	211,314	4,144	923,406

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Table 4.–Page 3 of 8.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section ^b	Ilnik Section	Three Hills Section	Bear River Section ^c	Combined	Port Moller Bight & Herendeen– Moller Bay sections	Nelson Lagoon Section ^d	Caribou Flats & Black Hills sections	Northern District totals
								Ilnik, Three Hills, & Bear R. sections				
1978	Catch	0	0	829	7,457	24,711	556,393	588,561	53,731	213,430	0	856,551
	Escapement ^e	3,800	0	18,800	21,200	0	814,000	835,200	4,900	304,300	1,500	1,168,500
	Total	3,800	0	19,629	28,657	24,711	1,370,393	1,423,761	58,631	517,730	1,500	2,025,051
1979	Catch	140	0	36,940	53,972	140,390	1,320,851	1,515,213	32,121	320,856	0	1,905,270
	Escapement ^e	6,000	0	46,700 ^g	97,200	300	1,013,000	1,110,500	5,000	360,100	3,000	1,531,300
	Total	6,140	0	83,640 ^g	151,172	140,690	2,333,851	2,625,713	37,121	680,956	3,000	3,436,570
1980	Catch	46	0	24,628	121,574	130,653	741,861	994,088	10,460	318,526	0	1,347,748
	Escapement ^e	30,000	0	47,000 ^g	100,000	0	751,000	851,000	1,500	352,600	3,900	1,286,000
	Total	30,046	0	71,628 ^g	221,574	130,653	1,492,861	1,845,088	11,960	671,126	3,900	2,633,748
1981	Catch	24	0	3,847	24,334	44,559	1,327,219	1,396,112	18,610	374,722	0	1,793,315
	Escapement ^e	100,000	0	26,600 ^g	151,000	0	741,500	892,500	600	251,000	4,000 ^g	1,274,700
	Total	100,024	0	30,447 ^g	175,334	44,559	2,068,719	2,288,612	19,210	625,722	4,000 ^g	3,068,015
1982	Catch	0	0	8,782	35,088	107,418	1,009,291	1,151,797	11,336	229,203	419	1,401,537
	Escapement ^e	13,000 ^g	0	62,000 ^g	41,700	1,300	361,300	404,300	500	179,600	6,000	665,400
	Total	13,000	0	70,782 ^g	76,788	108,718	1,370,591	1,556,097	11,836	408,803	6,419	2,066,937
1983	Catch	71	0	68	390,883	338,730	1,122,976	1,852,589	15,007	192,947	5	2,060,687
	Escapement ^e	9,000	0	8,600	40,000	100	358,000	398,100	500	128,800	2,600	547,600
	Total	9,071	0	8,668	430,883	338,830	1,480,976	2,250,689	15,507	321,747	2,605	2,608,287
1984	Catch	0	0	1,746	409,883	333,832	637,400	1,381,115	31,447	118,756	48	1,533,112
	Escapement ^e	16,000	0	31,100	22,300	0	414,000	436,300	700	251,000	600	735,700
	Total	16,000	0	32,846	432,183	333,832	1,051,400	1,817,415	32,147	369,756	648	2,268,812
1985	Catch	333	0	5,090	508,887	469,267	821,312	1,799,466	4,519	703,546	0	2,512,954
	Escapement ^e	12,600	0	45,500	22,700	0	451,500	474,200	700	314,800	3,700	851,500
	Total	12,933	0	50,590	531,587	469,267	1,272,812	2,273,666	5,219	1,018,346	3,700	3,364,454

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Table 4.–Page 4 of 8.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section ^b	Ilnik Section	Three Hills Section	Bear River Section ^c	Combined	Port Moller Bight & Herendeen– Moller Bay sections	Nelson Lagoon Section ^d	Caribou Flats & Black Hills sections	Northern District totals
								Illnik, Three Hills, & Bear R. sections				
1986	Catch	3	686	38,042	560,339	588,501	938,177	2,087,017	1,294	178,401	2	2,305,445
	Escapement ^e	25,700	0	26,400	66,800	100	279,400	346,300	300	117,900	2,300	518,900
	Total	25,703	686	64,442	627,139	588,601	1,217,577	2,433,317	1,594	296,301	2,302	2,824,345
1987	Catch	214	0	2,359	506,916	212,435	213,958	933,309	679	128,471	62	1,065,094
	Escapement ^e	15,300	0	28,300	30,700	0	266,700	297,400	700	155,700	8,700	506,100
	Total	15,514	0	30,659	537,616	212,435	480,658	1,230,709	1,379	284,171	8,762	1,571,194
1988	Catch	43	647	9,951	494,616	258,982	494,951	1,248,549	3,850	186,616	0	1,449,656
	Escapement ^e	2,000	0	35,900	26,900	0	347,500	374,400	400	142,500	6,900	562,100
	Total	2,043	647	45,851	521,516	258,982	842,451	1,622,949	4,250	329,116	6,900	2,011,756
1989	Catch	817	2,227	11,365	149,399	599,588	557,100	1,306,087	5,670	324,979	14,266	1,665,411
	Escapement ^e	4,000	0	11,200	16,600	100	487,000	503,700	500	206,800	7,600	733,800
	Total	4,817	2,227	22,565	165,999	599,688	1,044,100	1,809,787	6,170	531,779	21,866	2,399,211
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 ^e	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 ^e	47,400	0	26,500	135,000	200	681,200	816,400	500 ^g	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 ^g	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 ^e	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 ^e	20,000 ^g	0	50,000 ^g	70,000	300	501,900	572,200	400	267,200	10,200	920,000
	Total	28,903	0	50,518 ^g	938,790	411,577	2,543,616	3,893,983	10,445	720,042	14,205	4,718,096

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Table 4.–Page 5 of 8.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section ^b	Ilnik Section	Three Hills Section	Bear River Section ^c	Combined Ilnik, Three Hills, & Bear R. sections	Port Moller Bight & Herendeen –Moller Bay sections	Nelson Lagoon Section ^d	Caribou Flats & Black Hills sections	Northern District totals
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 ^e	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 ^e	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 ^e	60,000 ^g	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 ^e	33,000	0	40,000 ^g	83,000	400	398,000	481,400	900	190,100	6,100	751,500
	Total	41,342	0	42,222 ^g	845,638	263,489	1,040,461	2,149,588	9,593	574,470	26,841	2,844,056
1998	Catch	8,321	0	249	470,560	106,856	251,327	828,743	799	161,441	36,684	1,036,237
	Escapement ^e	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 ^e	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 ^e	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 ^e	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

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Table 4.–Page 6 of 8.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section ^b	Ilnik Section	Three Hills Section	Bear River Section ^c	Combined Ilnik, Three Hills, & Bear R. sections	Port Moller Bight & Herendeen – Moller Bay sections	Nelson Lagoon Section ^d	Caribou Flats & Black Hills sections	Northern District Totals
2002	Catch	1,548	0	111	121,054	251,377	596,270	968,701	1,022	325,904	35,744	1,333,030
	Escapement ^e	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 ^e	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 ^e	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 ^e	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
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 ^e	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 ^e	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 ^e	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 ^e	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

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Table 4.–Page 7 of 8.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section ^b	Ilnik Section	Three Hills Section	Bear River Section ^c	Combined Ilnik, Three Hills, & Bear R. sections	Port Moller Bight & Herendeen – Moller Bay sections	Nelson Lagoon Section ^d	Caribou Flats & Black Hills sections	Northern District Totals
2010	Catch	0	786,025	236	660,074	51,556	558,702	1,270,332	416	93,715	24,449	2,175,173
	Escapement ^e	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 ^e	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 ^e	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 ^e	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
2014	Catch	0	421,166	0	788,361	84,868	400,981	1,274,210	158	210,858	19,173	1,925,565
	Escapement ^e	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
	Escapement ^e	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	0	632,474	0	2,168,297	57,919	255,837	2,482,055	387	301,786	47,096	3,463,187
	Escapement ^e	205,700	200	117,310	124,000	3,200	607,400	734,600	21,400	363,000	23,600	1,465,810
	Total	205,700	632,674	117,310	2,292,297	61,119	863,237	3,216,655	21,787	664,786	70,696	4,933,997

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Table 4.–Page 8 of 8.

Year	Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section ^b	Ilnik Section	Three Hills Section	Bear River Section ^c	Combined Ilnik, Three Hills, & Bear R. sections	Port Moller Bight & Herendeen – Moller Bay sections	Nelson Lagoon Section ^d	Caribou Flats & Black Hills sections	Northern District Totals
2006-2015 average											
Catch	2	493,789 ^h	380	717,658	129,201	394,708	1,241,567	258	201,674	23,331	1,911,875
Escapement ^e	117,112	0 ^h	91,596	59,430	1,551	442,210	503,191	2,182	204,290	18,743	937,114
Total	117,114	493,789 ^h	91,976	777,088	130,751	836,918	1,744,758	2,440	405,964	42,074	2,848,989

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

^a Outer Port Heiden Section catches occurred only between 1986 and 1989. This section was closed between 1990 and 2006.

^b Inner Port Heiden escapements include Meshik River, Red and Yellow Bluff creeks, and minimal escapements from Birthday and Charles creeks.

^c Escapement includes all sockeye systems, mainly Bear and Sandy Rivers combined with post weir estimates.

^d Nelson Lagoon escapement includes tributaries David's and Caribou rivers.

^e Escapements are indexed totals except for Bear, Sandy, Ilnik, and Nelson rivers, where weir and tower counts are used.

^f Ilnik Section and Three Hills Section combined.

^g These figures are extrapolated estimates.

^h Outer Port Heiden average catch includes 2007-2015, the years the section has been reopened.

Table 5.—Port Moller Bight, Bear River, Three Hills, and Ilnik sections combined salmon harvest by species and day, 2016.

Catch date	Permits ^a	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
6-Jun	6	6	41	34	-	-	-
7-Jun ^b	0	-	-	-	-	-	-
8-Jun ^c	-	-	-	-	-	-	-
9-Jun to 23-Jun ^d	-	-	-	-	-	-	-
24-Jun ^b	0	-	-	-	-	-	-
25-Jun	76	118	96	158,715	0	28	245
26-Jun	65	81	79	95,153	0	21	185
27-Jun	43	55	14	54,453	0	-	28
28-Jun	106	184	107	140,763	0	59	479
29-Jun	49	55	22	52,395	0	3	132
30-Jun	108	178	49	129,665	0	12	368
1-Jul	39	46	34	19,700	0	2	26
2-Jul	87	138	45	180,144	0	9	588
3-Jul	6	6	3	4,458	0	0	0
4-Jul ^d	-	-	-	-	-	-	-
5-Jul	117	186	30	151,486	0	0	345
6-Jul	77	114	5	89,663	0	3	230
7-Jul	63	116	9	96,375	0	10	445
8-Jul	64	80	8	59,914	0	2	169
9-Jul	84	109	4	90,586	0	0	193
10-Jul	52	64	0	48,604	0	3	372
11-Jul	102	180	6	132,760	0	15	171
12-Jul	69	104	7	76,234	4	123	472
13-Jul	65	96	2	63,643	0	0	15
14-Jul	61	78	3	48,845	0	3	440
15-Jul	79	99	1	68,453	0	0	243
16-Jul	64	85	2	56,592	2	0	242
17-Jul	59	89	3	63,522	0	0	195
18-Jul	65	98	4	66,628	0	40	559
19-Jul	55	84	3	53,098	2	22	222
20-Jul	49	65	0	43,802	0	7	122
21-Jul	65	118	1	92,049	8	3	16
22-Jul	29	31	1	23,294	1	20	12
23-Jul	28	32	0	34,149	8	2	74
24-Jul	12	15	0	10,588	2	0	27
25-Jul	40	41	1	19,112	4	0	173
26-Jul	52	62	0	23,395	10	20	264
27-Jul	38	42	0	13,800	3	0	42
28-Jul	26	30	0	9,463	6	2	257
29-Jul	21	21	0	17,310	29	10	35
30-Jul to 7-Aug ^d	-	-	-	-	-	-	-
08-Aug ^b	0	-	-	-	-	-	-
9-Aug	41	45	1	11,226	106	53	106
10-Aug	45	75	1	26,428	401	870	352

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Table 5.–Page 2 of 2.

Catch date	Permits ^a	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
11-Aug	31	31	0	10,745	421	1,203	61
12-Aug	48	57	1	12,580	745	745	91
13-Aug	30	30	1	11,022	716	647	103
14-Aug ^b	0	-	-	-	-	-	-
15-Aug	41	46	0	10,505	801	468	78
16-Aug	37	42	0	10,162	1,314	867	109
17-Aug	29	30	0	7,105	1,460	290	80
18-Aug	46	47	0	7,792	1,146	258	99
19-Aug	32	53	0	6,367	553	179	131
20-Aug	3	5	0	1,317	211	333	11
21-Aug ^c	-	-	-	-	-	-	-
22-Aug	31	34	0	11,307	2,785	403	64
23-Aug	45	50	2	14,206	3,831	1,339	94
24-Aug	34	38	0	10,042	3,656	478	51
25-Aug	29	33	0	7,585	2,943	195	62
26-Aug	31	38	0	8,199	4,040	531	11
27-Aug	33	33	0	6,512	3,691	134	25
28-Aug	15	15	0	3,534	636	0	14
29-Aug	13	13	0	1,980	802	0	7
30-Aug	21	22	0	4,789	3,969	0	0
31-Aug	24	33	0	4,621	5,124	15	18
1-Sep	14	20	0	3,060	1,848	0	5
2-Sep	3	4	0	854	461	0	1
3-Sep ^c	-	-	-	-	-	-	-
Total ^e	121	3,704	586	2,482,055	42,653	9,427	8,963

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

- ^a Total permits includes total number of unique permits fished.
- ^b No fishing effort occurred on this date.
- ^c Confidentiality requirements prohibit the release of this information.
- ^d Fishery closed.
- ^e Totals include harvest omitted for confidentiality purposes.

Table 6.–North Peninsula coho salmon harvest in number of fish by district and section, 2006–2016.

Section	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2006– 2015 average
Northwestern District												
Dublin Bay	0	0	0	0	0	0	0	0	0	0	0	0
Urilia Bay	0	0	0	0	0	0	7	0	0	0	0	1
Swanson Lagoon	^a	10	0	0	27	9	0	0	0	0	0	5
Bechevin Bay	109	3	41	50	272	905	37	0	0	0	0	142
Izembek–Moffet Bay	92	142	1	0	226	1,533	1,937	25	6,311	599	2,379	1,087
Northwestern District total	201	155	42	50	525	2,447	1,981	25	6,311	599	2,379	1,234
Northern District												
Black Hills	140	71	2,419	743	1,026	596	3,929	323	808	239	689	1,029
Caribou Flats ^b	0	0	0	0	0	0	0	0	0	0	0	0
Nelson Lagoon	66,874	47,647	54,282	37,060	44,821	13,119	31,476	21,734	58,849	41,574	27,312	41,744
Herendeen–Moller Bay ^c	0	^a	1	0	0	3	0	0	2	6	0	6
Bear River	11,580	9,076	33,400	9,809	9,632	2,195	0	2,298	9,705	7,617	3,585	9,531
Three Hills	4,422	4,111	10,646	6,862	2,193	637	0	1,162	6,526	2,157	4,715	3,872
Ilnik	10,715	7,281	24,428	11,682	3,112	432	3	1,674	22,167	4,621	34,353	8,612
Inner Port Heiden	0	0	0	0	0	0	0	0	0	0	0	0
Outer Port Heiden ^d	0	628	19	507	838	11	10	40	8	326	5	265
Cinder River	0	0	0	^a	0	0	0	^a	^a	0	^a	120
Northern District Total	93,731	68,814	125,195	66,663	61,622	16,993	35,418	27,231	98,063	56,534	70,659	65,027
North Peninsula Total	93,932	68,969	125,237	66,713	62,147	19,440	37,399	27,256	104,374	57,133	73,038	66,261

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

^a Confidentiality requirements prohibit the release of this information.

^b Caribou Flats Section: no open season.

^c Includes Port Moller Bight Section.

^d Only the years 2007–2015 are included in the average.

Table 7.–Northwestern District pink salmon runs in number of fish, 1962–2016.

Year		Izembek– Moffet Bay Section ^a	Dublin, Uria & Bechevin bays & Swanson Lagoon ^a	Northwestern District total
1962	Catch	0	30,800	30,800
	Escapement ^b	0	4,000	4,000
	Total	0	34,800	34,800
1963	Catch	0	6,000	6,000
	Escapement ^b	0	4,400	4,400
	Total	0	10,400	10,400
1964	Catch	100	6,700	6,800
	Escapement ^b	0	15,000	15,000
	Total	100	21,700	21,800
1965	Catch	0	2,000	2,000
	Escapement ^b	0	900	900
	Total	0	2,900	2,900
1966	Catch	0	16,000	16,000
	Escapement ^b	400	1,300	1,700
	Total	400	17,300	17,700
1967	Catch	0	300	300
	Escapement ^b	200	500	700
	Total	200	800	1,000
1968	Catch	0	0	0
	Escapement ^b	1,500	25,000	26,500
	Total	1,500	25,000	26,500
1969	Catch	0	0	0
	Escapement ^b	2,300	2,100	4,400
	Total	2,300	2,100	4,400
1970	Catch	9	7,836	7,845
	Escapement ^b	0	11,100	11,100
	Total	9	18,936	18,945
1971	Catch	3	273	276
	Escapement ^b	100	8,400	8,500
	Total	103	8,673	8,776
1972	Catch	16	16	32
	Escapement ^b	0	1,200	1,200
	Total	16	1,216	1,232
1973	Catch	4	30	34
	Escapement ^b	0	200	200
	Total	4	230	234

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Table 7.–Page 2 of 5.

Year		Izembek– Moffet Bay Section ^a	Dublin, Uria & Bechevin bays & Swanson Lagoon ^{a,b}	Northwestern District total
1974	Catch	0	10,306	10,306
	Escapement ^c	0	23,000	23,000
	Total	0	33,306	33,306
1975	Catch	2	7	9
	Escapement ^c	100	500	600
	Total	102	507	609
1976	Catch	50	35	85
	Escapement ^c	100	37,200	37,300
	Total	150	37,235	37,385
1977	Catch	0	0	0
	Escapement ^c	200	6,200	6,400
	Total	200	6,200	6,400
1978	Catch	2,165	465,617	467,782
	Escapement ^c	0	90,400	90,400
	Total	2,165	556,017	558,182
1979	Catch	6	3,371	3,377
	Escapement ^c	0	9,300	9,300
	Total	6	12,671	12,677
1980	Catch	0	297,929	297,929
	Escapement ^c	0	94,000	94,000
	Total	0	391,929	391,929
1981	Catch	0	9,063	9,063
	Escapement ^c	0	5,700	5,700
	Total	0	14,763	14,763
1982	Catch	14	5,071	5,085
	Escapement ^c	200	51,500	51,700
	Total	214	56,571	56,785
1983	Catch	0	593	1,318
	Escapement ^c	0	3,900	3,900
	Total	0	4,493	5,218
1984	Catch	141	9,728	9,869
	Escapement ^c	0	33,000	33,000
	Total	141	42,728	42,869
1985	Catch	8	1,944	1,952
	Escapement ^c	0	1,400	1,400
	Total	8	3,344	3,352

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Table 7.–Page 3 of 5.

Year		Izembek–Moffet Bay Section ^a	Dublin, Urilia & Bechevin bays & Swanson Lagoon ^a	Northwestern District total
1986	Catch	0	9,885	9,885
	Escapement ^c	0	12,900	12,900
	Total	0	22,785	22,785
1987	Catch	7	839	846
	Escapement ^c	0	1,100	1,100
	Total	7	1,939	1,946
1988	Catch	1,152	29,003	30,155
	Escapement ^c	1,800	26,700	28,500
	Total	2,952	55,703	58,655
1989	Catch	0	3,195	3,195
	Escapement ^c	0	1,900	1,900
	Total	0	5,095	5,095
1990	Catch	130	0	130
	Escapement ^c	400	21,800	22,200
	Total	530	21,800	22,330
1991	Catch	7	3,402	3,409
	Escapement ^c	0	1,200	1,200
	Total	7	4,602	4,609
1992	Catch	679	7,637	8,316
	Escapement ^c	600	3	603
	Total	1,279	7,640	8,919
1993	Catch	5	51	56
	Escapement ^c	0	700	700
	Total	5	751	756
1994	Catch	133	188,003	188,136
	Escapement ^c	1,000	93,700	94,700
	Total	1,133	281,703	282,836
1995	Catch	7	1,377	1,384
	Escapement ^c	200	5,000	5,200
	Total	207	6,377	6,584
1996	Catch	587	2,580	3,167
	Escapement ^c	19,200	197,400	216,600
	Total	19,787	199,980	219,767
1997	Catch	32	5,104	5,136
	Escapement ^c	0	4,800	4,800
	Total	32	9,904	9,936

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Table 7.–Page 4 of 5.

Year		Izembek– Moffet Bay Section ^a	Dublin, Uria & Bechevin bays & Swanson Lagoon ^a	Northwestern District total
1998	Catch	245	15,910	16,155
	Escapement ^c	9,000	120,500	129,500
	Total	9,245	136,410	145,655
1999	Catch	0	1,172	1,172
	Escapement ^c	0	14,500	14,500
	Total	0	15,672	15,672
2000	Catch	14	17,855	17,869
	Escapement ^c	0	35,900	35,900
	Total	14	53,755	53,769
2001	Catch	639	3,518	4,157
	Escapement ^c	400	6,500	6,900
	Total	1,039	10,018	11,057
2002	Catch	971	2,807	3,778
	Escapement ^c	1,200	10,700	11,900
	Total	2,171	13,507	15,678
2003	Catch	591	113	704
	Escapement ^c	0	800	800
	Total	591	913	1,504
2004	Catch	1,328	10,106	11,434
	Escapement ^c	1,000	84,300	85,300
	Total	2,328	94,406	96,734
2005	Catch	1,503	445	1,948
	Escapement ^c	18	8,720	8,738
	Total	1,521	9,165	10,686
2006	Catch	786	56,229	57,015
	Escapement ^c	12,840	116,075	128,915
	Total	13,626	172,304	185,930
2007	Catch	4,713	132,304	137,017
	Escapement ^c	3,850	11,900	15,750
	Total	8,563	144,204	152,767
2008	Catch	2,795	13,746	16,541
	Escapement ^c	0	11,900	11,900
	Total	2,795	25,646	28,441

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Table 7.–Page 5 of 5.

Year		Izembek– Moffet Bay Section ^a	Dublin, Uria & Bechevin Bays & Swanson Lagoon ^a	Northwestern District total
2009	Catch	343	274,510	274,853
	Escapement ^c	2,400	72,000	74,400
	Total	2,743	346,510	349,253
2010	Catch	1,219	5,231	6,450
	Escapement ^c	1,700	13,600	15,300
	Total	2,919	18,831	21,750
2011	Catch	4,466	104,029	108,495
	Escapement ^c	0	2,400	2,400
	Total	4,466	106,429	110,895
2012	Catch	478	416	894
	Escapement ^c	3,300	7,603	10,903
	Total	3,778	8,019	11,797
2013	Catch	165	2,958	3,123
	Escapement ^c	3,300	3,800	7,100
	Total	3,465	6,758	10,223
2014	Catch	1,516	48	1,564
	Escapement ^c	5,300	2,200	7,500
	Total	6,816	2,248	9,064
2015	Catch	6,087	0	6,087
	Escapement ^c	29,500	136,300	165,800
	Total	35,587	136,300	171,887
2016	Catch	1,812	0	1,812
	Escapement ^c	29,500	4,750	34,250
	Total	31,312	4,750	36,062
2006–2015 average ^d				
	Catch	1,359	15,134	16,493
	Escapement ^c	4,628	30,276	34,904
	Total	5,987	45,410	51,396

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

^a Statistical area 311-58 was moved from the Bechevin Bay Section to the Izembek-Moffet Bay Section in 2001.

^b Catch numbers include a small harvest from the Dublin Bay Section in 1983, 2006, and 2011.

^c Escapements are estimated totals.

^d Averages include only the even-numbered years 2006, 2008, 2010, 2012, and 2014.

Table 8.–Northern District chum salmon runs in number of fish, 1962–2016.

Year		Cinder River Section	Outer Port Heiden Section	Inner Port Heiden Section	Three Hills & Innik sections	Bear River Section	Port Moller Bight & Herendeen– Moller Bay sections	Nelson Lagoon Section	Caribou Flats & Black Hills sections	Northern District totals
1962	Catch	200	0	8,600	600	7,000	0	3,700	0	20,100
	Escapement ^a	500	0	1,900 ^b	1,500 ^b	1,500	18,300	9,700	1,000 ^b	34,400
	Total	700	0	10,500 ^b	2,100 ^b	8,500	18,300	13,400	1,000 ^b	54,500
1963	Catch	0	0	0	700	600	0	4,100	0	5,400
	Escapement ^a	1,200	0	7,400 ^b	1,500 ^b	3,000 ^b	26,000	7,000	1,300 ^b	47,000
	Total	1,200	0	7,400 ^b	2,200 ^b	3,600 ^b	26,000	11,000	1,300 ^b	52,700
1964	Catch	0	0	0	2,300	6,500	39,800	3,400	0	52,000
	Escapement ^a	200	0	1,000	1,500 ^b	3,000	35,900	2,000	1,000 ^b	44,600
	Total	200	0	1,000	3,800 ^b	9,500	75,700	5,400	1,000 ^b	96,600
1965	Catch	0	0	800	2,300	1,500	13,600	2,200	0	20,400
	Escapement ^a	0	0	8,500	1,500 ^b	1,000	8,000	4,000	500 ^b	23,500
	Total	0	0	9,300	3,800 ^b	2,500	21,600	6,200	500 ^b	43,900
1966	Catch	0	0	0	300	3,700	17,900	4,800	0	26,700
	Escapement ^a	4,400	0	3,400 ^b	1,500 ^b	1,000	56,200	17,000	2,000	85,500
	Total	4,400	0	3,400 ^b	1,800 ^b	4,700	74,100	22	2,000	112,200
1967	Catch	0	0	0	0	13,600	2,400	5,100	0	21,100
	Escapement ^a	2,500	0	3,000	9,600	2,500	25,000	29,800	2,000 ^b	74,400
	Total	2,500	0	3,000	9,600	16,100	27,400	34,900	2,000 ^b	95,500
1968	Catch	0	0	0	3,100	7,500	10,500	3,500	0	24,600
	Escapement ^a	0	0	11,000 ^b	0	9,500	47,700	18,100	2,000	88,300
	Total	0	0	11,000 ^b	3,100	17,000	58,200	21,600	2,000	112,900
1969	Catch	0	0	1,200	1,300	10,300	7,800	3,500	0	24,100
	Escapement ^a	2,500	0	11,000 ^b	1,500 ^b	1,000	14,000	13,000	500	43,500
	Total	2,500	0	12,200 ^b	2,800 ^b	11,300	21,800	16,500	500	67,600

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Table 8.–Page 2 of 8.

Year		Cinder River Section	Outer Port Heiden Section	Inner Port Heiden Section	Three Hills & Innik sections	Bear River Section	Port Moller Bight & Herendeen– Moller Bay sections	Nelson Lagoon Section	Caribou Flats & Black Hills sections	Northern District totals
1970	Catch	0	0	0	1,165	14,430	12,242	7,664	9	35,510
	Escapement ^a	1,300	0	22,000	500	2,000	42,800	36,000	1,500 ^b	106,100
	Total	1,300	0	22,000	1,665	16,430	55,042	43,664	1,509 ^b	141,610
1971	Catch	0	0	0	2,513	12,980	1,156	3,785	0	20,434
	Escapement ^a	2,500	0	12,100	800	0	14,500	19,000	500 ^b	49,400
	Total	2,500	0	12,100	3,313	12,980	15,656	22,785	500 ^b	69,834
1972	Catch	0	0	35	767	13,956	7,384	3,187	0	25,329
	Escapement ^a	5,300	0	12,200	500	3,700	8,000	16,800	500 ^b	47,000
	Total	5,300	0	12,235	1,267	17,656	15,384	19,987	500 ^b	72,329
1973	Catch	0	0	0	825	34,916	12,173	1,776	0	49,690
	Escapement ^a	600	0	22,800	800	800	3,700	12,700	0	41,400
	Total	600	0	22,800	1,625	35,716	15,873	14,476	0	91,090
1974	Catch	0	0	0	1,302	15,051	3,186	483	14	20,036
	Escapement ^a	4,600	0	4,500	0	1,500	3,700	8,300	400	23,000
	Total	4,600	0	4,500	1,302	16,551	6,886	8,783	414	43,036
1975	Catch	0	0	17	122	3,841	256	657	0	4,893
	Escapement ^a	300	0	1,500	2,000	2,000	7,300	4,500	0	17,600
	Total	300	0	1,517	2,122	5,841	7,556	5,157	0	22,493
1976	Catch	0	0	1,142	2,892	12,300	5,482	5,778	0	27,594
	Escapement ^a	1,900	0	30,700	5,700	18,000	28,500	42,500	100	127,400
	Total	1,900	0	31,842	8,592	30,300	33,982	48,278	100	154,994
1977	Catch	0	0	1,308	7,113	32,259	34,847	10,566	141	86,234
	Escapement ^a	1,700 ^b	0	32,000	1,500 ^b	17,000	108,500	83,300	1,500	245,500
	Total	1,700 ^b	0	33,308	8,613 ^b	49,259	143,347	93,866	1,641	331,734

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Table 8.–Page 3 of 8.

Year		Cinder River Section	Outer Port Heiden Section	Inner Port Heiden Section	Three Hills & Innik sections	Bear River Section	Port Moller Bight & Herendeen– Moller Bay sections	Nelson Lagoon Section	Caribou Flats & Black Hills sections	Northern District totals
1978	Catch	0	0	437	1,242	14,594	6,558	10,323	0	33,154
	Escapement ^a	7,400	0	22,000	1,500 ^b	15,50 ^b	89,300	10,200	1,000 ^b	146,900
	Total	7,400	0	22,437	2,742 ^b	30,09 ^b	95,858	20,523	1,000 ^b	180,054
1979	Catch	27	0	776	680	17,379	10,852	5,657	0	35,371
	Escapement ^a	3,600 ^b	0	32,700 ^b	0	7,000	30,600	37,000	4,000	114,900
	Total	3,627 ^b	0	33,476 ^b	680	24,379	41,452	42,657	4,000	150,271
1980	Catch	20	0	2,580	29,773	161,666	58,560	80,086	0	332,685
	Escapement ^a	10,000 ^b	0	33,700 ^b	10,000 ^b	20,000 ^b	116,100	164,000	10,400	364,200
	Total	10,020 ^b	0	36,280 ^b	39,773 ^b	181,666 ^b	174,660	244,086	10,400	696,885
1981	Catch	0	0	227	7,148	154,995	126,188	62,764	0	351,322
	Escapement ^a	11,800 ^b	0	73,400 ^b	11,000 ^b	27,200	85,000	57,000	11,000 ^b	276,400
	Total	11,800 ^b	0	73,627 ^b	18,148 ^b	182,195	211,188	119,764	11,000 ^b	627,722
1982	Catch	0	0	724	21,199	142,439	50,184	21,426	42	236,014
	Escapement ^a	5,500 ^b	0	35,500 ^b	1,000	42,400	152,000	29,100	2,000 ^b	267,500
	Total	5,500 ^b	0	36,224 ^b	22,199	184,839	202,184	50,526	2,042 ^b	503,514
1983	Catch	2	0	0	26,091	87,264	51,333	13,991	0	178,681
	Escapement ^a	17,200	0	14,500	11,200	15,000 ^b	126,000	14,000	1,200	199,100
	Total	17,202	0	14,500	37,291	102,264 ^b	177,333	27,991	1,200	377,781
1984	Catch	0	0	160	174,150	242,329	119,219	78,401	9	614,268
	Escapement ^a	13,000	0	85,000	4,000	7,000	241,300	49,000	10,000	409,300
	Total	13,000	0	85,160	178,150	249,329	360,519	127,401	10,009	1,023,568
1985	Catch	2	0	0	86,644	68,315	261,945	6,583	0	423,489
	Escapement ^a	3,200	0	26,500	200	5,200	71,700	13,000	4,100	123,900
	Total	3,202	0	26,500	86,844	73,515	333,645	19,583	4,100	547,389

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Table 8.–Page 4 of 8.

Year		Cinder River Section	Outer Port Heiden Section	Inner Port Heiden Section	Three Hills & Innik sections	Bear River Section	Port Moller Bight & Herendeen– Moller Bay sections	Nelson Lagoon Section	Caribou Flats & Black Hills sections	Northern District totals
1986	Catch	2	55	838	38,678	86,681	27,793	3,606	0	157,653
	Escapement ^a	2,200	0	12,000	0	6,400	55,800	800	700	77,900
	Total	2,202	0	12,838	38,678	93,081	83,593	4,406	700	235,498
1987	Catch	35	0	1,006	47,991	85,533	14,213	6,659	9	155,446
	Escapement ^a	2,400	0	55,400	100	5,000	88,600	5,200	4,700	161,400
	Total	2,435	0	56,406	48,091	90,533	102,813	11,859	4,709	316,846
1988	Catch	0	11	4,800	47,828	73,696	75,821	12,634	0	214,790
	Escapement ^a	5,300	0	41,600	100	3,000	76,500	11,000	6,600	144,100
	Total	5,300	0	46,400	47,928	76,696	152,321	23,634	6,600	358,879
1989	Catch	27	55	1,150	16,919	40,158	66,042	5,018	1,881	131,250
	Escapement ^a	5,000	0	8,900	0	3,500	83,400	800	700	102,300
	Total	5,027	0	10,050	16,919	43,658	149,442	5,818	2,581	233,495
1990	Catch	99	0	269	7,741	26,917	57,534	2,163	818	95,541
	Escapement ^a	4,000	0	7,000	200 ^b	1,100	101,600	1,000 ^b	700	115,600
	Total	4,099	0	7,269	7,941 ^b	28,017	159,134	3,163 ^b	1,518	211,141
1991	Catch	219	0	445	20,807	72,786	23,554	7,374	3,353	128,538
	Escapement ^a	4,500	0	13,400	0	2,400 ^b	55,000	5,000 ^b	1,200	81,500
	Total	4,719	0	13,845	20,807	75,186 ^b	78,554	12,374 ^b	4,553	210,038
1992	Catch	355	0	1,183	29,345	62,229	135,874	7,738	160	236,884
	Escapement ^a	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 ^a	4,000 ^b	0	11,000 ^b	400 ^b	5,700	156,700	4,400	1,200	183,400
	Total	4,162 ^b	0	11,058 ^b	2,800 ^b	36,228	204,269	8,933	2,513	269,963

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Table 8.–Page 5 of 8.

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
1994	Catch	43	0	257	12,473	25,834	852	3,984	215	43,658
	Escapement ^a	24,400	0	30,000	300 ^b	4,000	163,600	5,500	3,000	230,800
	Total	24,443	0	30,257	12,773 ^b	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 ^a	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 ^a	25,000 ^b	0	50,000 ^b	0	4,000	353,200	3,600	600	436,400
	Total	25,019 ^b	0	50,517 ^b	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 ^a	30,500	0	61,000 ^b	500	5,000	60,200	1,100	2,700	161,000
	Total	30,572	0	61,005 ^b	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 ^a	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
1999	Catch	19	0	0	11,052	12,493	166	5,093	13,397	42,220
	Escapement ^a	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 ^a	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 ^a	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

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Table 8.–Page 6 of 8.

Year		Cinder River Section	Outer Port Heiden Section	Inner Port Heiden Section	Three Hills & Inik sections	Bear River Section	Port Moller Bight & Herendeen– Moller Bay sections	Nelson Lagoon Section	Caribou Flats & Black Hills sections	Northern District totals
2002	Catch	0	0	104	6,564	13,452	110	6,849	2,122	29,201
	Escapement ^a	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 ^a	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 ^a	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 ^a	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 ^a	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 ^a	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
2008	Catch	0	2,594	0	6,537	3,201	40,722	3,321	16,849	73,224
	Escapement ^a	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	301,761

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Table 8.–Page 7 of 8.

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
2009	Catch	0	11,261	0	15,081	18,189	0	4,127	3,167	51,825
	Escapement ^a	11,300	1,200	15,600	4,200	2,132	112,400	499	6,800	154,131
	Total	11,300	12,461	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 ^a	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 ^a	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 ^a	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	^c	11,849	0	2,053	1,527	^c	7,210	21,185	44,557□
	Escapement ^a	18,200	2,300	32,100	1,800	7,095	43,600	11,136	21,020	137,251
	Total ^d	18,200	14,149	32,100	3,853	8,622	43,600	18,346	42,205	181,808
2014	Catch	^c	2,390	0	5,778	10,809	982	6,052	7,510	33,521
	Escapement ^a	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 ^a	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	^c	560	0	4,055	4,890	^c	6,967	2,484	18,991 ^d
	Escapement ^a	94,900	2,800	28,200	6,600	22,200	98,300	8,474	16,200	277,674
	Total	94,900	3,360	28,200	10,655	27,090	98,335	15,441	18,684	296,665

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Table 8.–Page 8 of 8.

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
2006–2015 average									
Catch	0	5,801	0	16,036	14,725	11,857	5,287	17,092	69,685
Escapement ^a	16,080	1,420	29,968	3,371	7,019	116,896	7,663	8,513	190,930
Total	16,080	7,221	29,968	19,407	21,744	127,567	12,950	25,605	260,614

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

^a Escapements are estimated totals.

^b These figures are extrapolated estimates.

^c Confidentiality requirements prohibit the release of this information.

^d Totals include information not provided due to confidentiality requirements.

Table 9.–Northwestern District chum salmon runs in number of fish, 1962–2016.

Year		Izembek–Moffet Bay Section ^a	Bechevin, & Urilia bays & Swanson Lagoon ^{a,b}	Northwestern District total
1962	Catch	6,200	8,500	14,700
	Escapement ^c	68,000	48,000	116,500
	Total	74,200	57,000	131,200
1963	Catch	3,200	41,300	44,500
	Escapement ^c	133,500	22,300	155,800
	Total	136,700	63,600	200,300
1964	Catch	60,200	25,700	85,900
	Escapement ^c	95,500	16,000	111,500
	Total	155,700	41,700	197,400
1965	Catch	4,700	44,600	49,300
	Escapement ^c	24,000	1,800	25,800
	Total	28,700	46,400	75,100
1966	Catch	8,900	47,200	56,100
	Escapement ^c	54,000	10,000	64,000
	Total	62,900	57,200	120,100
1967	Catch	9,900	8,900	18,800
	Escapement ^c	32,800	15,400	48,200
	Total	42,700	24,300	67,000
1968	Catch	48,800	200	49,000
	Escapement ^c	142,700	19,800	162,500
	Total	191,500	20,000	211,500
1969	Catch	4,500	1,400	5,900
	Escapement ^c	95,300	8,000	103,300
	Total	99,800	9,400	109,200
1970	Catch	10,032	2,447	12,479
	Escapement ^c	58,100	5,600	63,700
	Total	68,132	8,047	76,179
1971	Catch	36,222	7,498	43,720
	Escapement ^c	54,100	5,900	60,000
	Total	90,322	13,398	103,720
1972	Catch	57,884	1,474	59,358
	Escapement ^c	65,800	11,200	77,000
	Total	123,684	12,674	136,358
1973	Catch	96,610	6,473	103,083
	Escapement ^c	68,100	7,500	75,600
	Total	164,710	13,973	178,683

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Table 9.–Page 2 of 5.

Year		Izembek–Moffet Bay Section ^a	Bechevin, & Urilia bays & Swanson Lagoon ^{a,b}	Northwestern District total
1974	Catch	11,302	3,079	14,381
	Escapement ^c	76,000	6,100	82,100
	Total	87,302	9,179	96,481
1975	Catch	3,362	515	3,877
	Escapement ^c	74,300	17,300	91,600
	Total	77,662	17,815	95,477
1976	Catch	38,094	7,901	45,995
	Escapement ^c	127,700	38,300	166,000
	Total	165,794	46,201	211,995
1977	Catch	20,344	22,590	42,934
	Escapement ^c	381,400	54,300	435,700
	Total	401,744	76,890	478,634
1978	Catch	82,316	48,334	130,650
	Escapement ^c	134,100	29,500	163,600
	Total	216,416	77,834	294,250
1979	Catch	17,825	12,515	30,340
	Escapement ^c	178,000	12,400	190,400
	Total	195,825	24,915	220,740
1980	Catch	282,516	84,995	367,511
	Escapement ^c	364,200	41,100	405,300
	Total	646,716	126,095	772,811
1981	Catch	296,440	59,056	355,496
	Escapement ^c	235,000	29,600	264,600
	Total	531,440	88,656	620,096
1982	Catch	57,450	37,669	95,119
	Escapement ^c	166,400	23,800	190,200
	Total	223,850	61,469	285,319
1983	Catch	154,767	13,929	169,626
	Escapement ^c	173,300	20,200	193,500
	Total	328,067	34,129	362,196
1984	Catch	102,692	79,763	182,455
	Escapement ^c	427,500	33,400	460,900
	Total	530,192	113,163	643,355
1985	Catch	126,644	116,483	243,127
	Escapement ^c	194,700	25,700	220,400
	Total	321,344	142,183	463,527

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Table 9.–Page 3 of 5.

Year		Izembek–Moffet Bay Section ^a	Bechevin, & Uria bays & Swanson Lagoon ^{a,b}	Northwestern District total
1986	Catch	69,118	44,445	113,563
	Escapement ^c	142,400	23,300	165,700
	Total	211,518	67,745	279,263
1987	Catch	148,638	64,612	213,250
	Escapement ^c	286,000	55,500	341,500
	Total	434,638	120,112	554,750
1988	Catch	112,172	66,113	178,285
	Escapement ^c	304,400	51,800	356,200
	Total	416,572	117,913	534,485
1989	Catch	14,458	11,284	25,742
	Escapement ^c	90,600	19,400	110,000
	Total	105,058	30,684	135,742
1990	Catch	23,983	6,589	30,572
	Escapement ^c	92,500	18,400	110,900
	Total	116,483	24,989	141,472
1991	Catch	51,521	11,219	62,740
	Escapement ^c	172,400	49,400	221,800
	Total	223,921	60,619	284,540
1992	Catch	61,671	43,061	104,732
	Escapement ^c	182,200	33,100	215,300
	Total	243,871	76,161	320,032
1993	Catch	23,536	24,858	48,394
	Escapement ^c	172,900	46,100	219,000
	Total	196,436	70,958	267,394
1994	Catch	7,010	33,229	40,239
	Escapement ^c	140,500	108,900	249,400
	Total	147,510	142,129	289,639
1995	Catch	9,078	17,627	26,705
	Escapement ^c	88,300	320,000	408,300
	Total	97,378	337,627	435,005
1996	Catch	1,996	5,735	7,731
	Escapement ^c	278,200	108,500	386,700
	Total	280,196	114,235	394,431
1997	Catch	25,186	21,025	46,211
	Escapement ^c	179,500	47,700	227,200
	Total	204,686	68,725	273,411

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Table 9.–Page 4 of 5.

Year		Izembek–Moffet Bay Section ^a	Bechevin, & Uria bays & Swanson Lagoon ^{a,b}	Northwestern District total
1998	Catch	13,242	18,787	32,029
	Escapement ^c	281,800	67,300	349,100
	Total	295,042	86,087	381,129
1999	Catch	0	7,900	7,900
	Escapement ^c	310,200	56,600	366,800
	Total	310,200	64,500	374,700
2000	Catch	3,631	26,978	30,609
	Escapement ^c	196,800	52,400	249,200
	Total	200,431	79,378	279,809
2001	Catch	74,419	38,807	113,226
	Escapement ^c	340,800	66,000	406,800
	Total	415,219	104,807	520,026
2002	Catch	13,793	8,046	21,839
	Escapement ^c	367,000	50,100	417,100
	Total	380,793	58,146	438,939
2003	Catch	9,868	6,709	16,577
	Escapement ^c	199,200	36,800	236,000
	Total	209,068	43,509	252,577
2004	Catch	5,353	1,125	6,478
	Escapement ^c	252,200	43,400	295,600
	Total	257,553	44,525	302,078
2005	Catch	27,810	5,807	33,617
	Escapement ^c	131,365	61,600	192,965
	Total	159,175	67,407	226,582
2006	Catch	27,414	11,974	39,388
	Escapement ^c	131,860	61,600	193,460
	Total	159,274	73,574	232,848
2007	Catch	68,310	27,696	96,006
	Escapement ^c	249,500	85,950	335,450
	Total	317,810	113,646	431,456

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Table 9.–Page 5 of 5.

Year		Izembek–Moffet Bay Section ^a	Dublin, Bechevin, & Uria Bays & Swanson Lagoon ^{a,b}	Northwestern District total
2008	Catch	79,229	24,911	104,140
	Escapement ^c	182,900	58,850	241,750
	Total	262,129	83,761	345,890
2009	Catch	17,155	37,014	54,169
	Escapement ^c	42,440	42,020	84,460
	Total	59,595	79,034	138,629
2010	Catch	125,382	13,688	139,070
	Escapement ^c	113,900	30,200	144,100
	Total	239,282	43,888	283,170
2011	Catch	142,660	86,738	229,398
	Escapement ^c	127,200	24,200	151,400
	Total	269,860	110,938	380,798
2012	Catch	177,270	10,331	187,601
	Escapement ^c	100,150	39,850	140,000
	Total	277,420	50,181	327,601
2013	Catch	77,037	9,345	86,382
	Escapement ^c	51,100	41,700	92,800
	Total	128,137	51,045	179,182
2014	Catch	95,290	24	95,314
	Escapement ^c	42,175	12,350	54,525
	Total	137,465	12,374	149,839
2015	Catch	155,102	0	155,102
	Escapement ^c	60,800	29,000	89,800
	Total	215,902	29,000	244,902
2016	Catch	69,903	0	69,903
	Escapement ^c	74,000	39,250	113,250
	Total	143,903	39,250	183,153
2006–2015 average				
	Catch	96,485	22,172	118,657
	Escapement ^c	110,203	42,572	152,775
	Total	206,687	64,744	271,432

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

^a Statistical area 311-58 was moved from the Bechevin Bay Section to the Izembek-Moffet Bay Section in 2001.

^b Catch numbers include a small harvest from the Dublin Bay Section in 1983, 2006, and 2011.

^c Escapements are rounded indexed totals.

Table 10.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Nelson River weir, 2016.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
4-Jun	0	0	0	0	0	0	0	0
5-Jun	3	0	0	0	3	0	0	0
6-Jun	0	0	0	0	3	0	0	0
7-Jun	2	0	0	0	5	0	0	0
8-Jun	40	0	0	0	45	0	0	0
9-Jun	3	0	0	0	48	0	0	0
10-Jun	14	0	0	0	62	0	0	0
11-Jun	7	0	0	0	69	0	0	0
12-Jun	15	0	0	0	84	0	0	0
13-Jun	5	0	0	0	89	0	0	0
14-Jun	124	0	0	0	213	0	0	0
15-Jun	21	0	0	0	234	0	0	0
16-Jun	3	0	0	0	237	0	0	0
17-Jun	0	0	0	0	237	0	0	0
18-Jun	27	0	0	0	264	0	0	0
19-Jun	1	0	0	0	265	0	0	0
20-Jun	0	0	0	0	265	0	0	0
21-Jun	25	0	0	0	290	0	0	0
22-Jun	1	0	0	0	291	0	0	0
23-Jun	0	0	0	0	291	0	0	0
24-Jun	1	0	0	0	292	0	0	0
25-Jun	77	0	0	0	369	0	0	0
26-Jun	18	0	0	0	387	0	0	0
27-Jun	2	3	0	0	389	3	0	0
28-Jun	136	15	0	0	525	18	0	0
29-Jun	31	0	0	0	556	18	0	0
30-Jun	3	0	0	0	559	18	0	0
1-Jul	16	0	0	0	575	18	0	0
2-Jul	34	0	0	0	609	18	0	0
3-Jul	3	0	0	0	612	18	0	0
4-Jul	10	0	0	0	622	18	0	0
5-Jul	12	0	0	0	634	18	0	0
6-Jul	375	0	0	0	1,009	18	0	0
7-Jul	29	0	0	0	1,038	18	0	0
8-Jul	49	0	14	0	1,087	18	14	0
9-Jul	116	3	25	0	1,203	21	39	0
10-Jul	51	0	49	0	1,254	21	88	0
11-Jul	188	11	28	0	1,442	32	116	0

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Table 10.–Page 2 of 2.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
12-Jul	114	28	21	0	1,556	60	137	0
13-Jul	204	43	87	0	1,760	103	224	0
14-Jul	171	69	87	0	1,931	172	311	0
15-Jul	188	65	186	0	2,119	237	497	0
16-Jul	45	69	149	0	2,164	306	646	0
17-Jul	81	43	345	0	2,245	349	991	0
18-Jul	60	51	228	0	2,305	400	1,219	0
19-Jul	128	48	391	0	2,433	448	1,610	0
20-Jul	275	118	1,052	0	2,708	566	2,662	0
21-Jul	263	133	651	0	2,971	699	3,313	0
22-Jul	469	137	1,113	0	3,440	836	4,426	0
23-Jul	110	74	470	0	3,550	910	4,896	0
24-Jul	185	83	1,716	0	3,735	993	6,612	0
25-Jul	304	49	1,195	0	4,039	1,042	7,807	0
26-Jul	579	67	667	1	4,618	1,109	8,474	1

Table 11.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Bear River weir, 2016.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
Prior to 1-Jul	0	12	0	0	0	12	0	0
1-Jul	0	0	0	0	0	12	0	0
2-Jul	0	2	0	0	0	14	0	0
3-Jul	0	3	0	0	0	17	0	0
4-Jul	0	3	0	0	0	20	0	0
5-Jul	0	14	0	0	0	34	0	0
6-Jul	0	8	0	0	0	42	0	0
7-Jul	0	13	0	0	0	55	0	0
8-Jul	0	54	0	0	0	109	0	0
9-Jul	0	51	0	0	0	160	0	0
10-Jul	0	9	0	0	0	169	0	0
11-Jul	0	19	0	0	0	188	0	0
12-Jul	0	75	0	0	0	263	0	0
13-Jul	0	49	0	0	0	312	0	0
14-Jul	0	83	0	0	0	395	0	0
15-Jul	0	34	0	0	0	429	0	0
16-Jul	0	16	0	0	0	445	0	0
17-Jul	0	29	0	0	0	474	0	0
18-Jul	3	23	0	0	3	497	0	0
19-Jul	0	9	0	0	3	506	0	0
20-Jul	0	42	2	0	3	548	2	0
21-Jul	0	8	1	0	3	556	3	0
22-Jul	0	6	0	0	3	562	3	0
23-Jul	0	9	0	0	3	571	3	0
24-Jul	0	31	0	0	3	602	3	0
25-Jul	0	15	1	0	3	617	4	0
26-Jul	0	47	3	0	3	664	7	0
27-Jul	0	99	7	0	3	763	14	0
28-Jul	1	74	3	0	4	837	17	0
29-Jul	1	66	3	0	5	903	20	0
30-Jul	0	51	4	0	5	954	24	0
31-Jul	1	55	1	0	6	1,009	25	0
1-Aug	1	55	9	0	7	1,064	34	0
2-Aug	0	92	6	0	7	1,156	40	0
3-Aug	4	142	10	0	11	1,298	50	0
4-Aug	2	47	22	0	13	1,345	72	0
5-Aug	13	32	14	0	26	1,377	86	0
6-Aug	3	20	14	0	29	1,397	100	0
7-Aug	6	43	30	0	35	1,440	130	0
8-Aug	2	55	13	0	37	1,495	143	0
9-Aug	0	41	27	0	37	1,536	170	0
10-Aug	3	63	26	0	40	1,599	196	0

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Table 11.–Page 2 of 2.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
11-Aug	2	47	32	0	42	1,646	228	0
12-Aug	4	66	54	0	46	1,712	282	0
13-Aug	2	42	35	0	48	1,754	317	0
14-Aug	1	43	39	0	49	1,797	356	0
15-Aug	2	64	48	0	51	1,861	404	0
16-Aug	0	115	64	0	51	1,976	468	0
17-Aug	2	82	62	0	53	2,058	530	0
18-Aug	2	42	45	0	55	2,100	575	0
19-Aug	0	3	9	0	55	2,103	584	0
20-Aug	2	130	98	0	57	2,233	682	0
21-Aug	3	67	56	0	60	2,300	738	0
22-Aug	2	57	56	0	62	2,357	794	0
23-Aug	1	102	59	0	63	2,459	853	0
24-Aug	0	187	78	0	63	2,646	931	0
25-Aug	0	125	31	0	63	2,771	962	0

Table 12.–Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Sandy River weir, 2016.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
Prior 16-Jun	2	0	0	0	2	0	0	0
16-Jun	6	0	0	0	8	0	0	0
17-Jun	7	0	0	0	15	0	0	0
18-Jun	0	0	0	0	15	0	0	0
19-Jun	0	0	0	0	15	0	0	0
20-Jun	0	0	0	0	15	0	0	0
21-Jun	0	0	0	0	15	0	0	0
22-Jun	2	0	0	0	17	0	0	0
23-Jun	1	0	0	0	18	0	0	0
24-Jun	2	0	0	0	20	0	0	0
25-Jun	3	0	0	0	23	0	0	0
26-Jun	2	0	0	0	25	0	0	0
27-Jun	10	0	0	0	35	0	0	0
28-Jun	25	0	0	0	60	0	0	0
29-Jun	20	4	0	0	80	4	0	0
30-Jun	39	12	0	0	119	16	0	0
1-Jul	38	3	0	0	157	19	0	0
2-Jul	33	8	0	0	190	27	0	0
3-Jul	78	7	1	0	268	34	1	0
4-Jul	30	5	0	0	298	39	1	0
5-Jul	9	2	0	0	307	41	1	0
6-Jul	28	4	0	0	335	45	1	0
7-Jul	7	19	0	0	342	64	1	0
8-Jul	89	15	0	0	431	79	1	0
9-Jul	25	11	0	0	456	90	1	0
10-Jul	36	18	1	0	492	108	2	0
11-Jul	9	4	2	0	501	112	4	0
12-Jul	13	49	6	0	514	161	10	0
13-Jul	230	42	9	0	744	203	19	0
14-Jul	256	29	8	0	1,000	232	27	0
15-Jul	188	12	5	0	1,188	244	32	0
16-Jul	39	30	15	0	1,227	274	47	0
17-Jul	49	84	35	0	1,276	358	82	0
18-Jul	106	69	32	0	1,382	427	114	0
19-Jul	96	42	24	0	1,478	469	138	0

Table 13.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Ilnik River weir, 2016.

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

Table 14.—Historical North Alaska Peninsula sockeye salmon escapements and escapement goals, 1986–2016.

Year	Nelson River		Bear River		Sandy River		Ilnik River		Meshik River		Cinder River		
	Escapement ^{a,b}	Goal	Escapement ^b	Goal	Escapement ^b	Goal	Escapement ^{b,c}	Goal	Escapement ^{d,e}	Goal	Escapement ^{d,f}	Goal	
1986			272,500						26,230		25,650		
1987			258,000						28,290		17,900		
1988			310,000						35,900		1,800		
1989	193,300	100k to 150k	451,000	200k to 250k					10,520	10k to 20k	3,950	6k to 12k	
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	40k to 60k	75,000		44,900		83,400
1995	329,400		305,000				125,000		39,000		85,610		47,500
1996	250,500		367,000				64,000		62,000		60,000		60,000
1997	183,100		360,000				38,000		82,000		40,000		33,000
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	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	435,000			32,000	82,000	103,600	58,100					
2005	303,000	554,000			101,000	154,000	109,500	133,500					
2006	215,000	445,000			48,000	88,000	140,510	118,100					
2007	180,000	431,000			44,700	93,000	57,600	142,000					
2008	141,600	321,000			32,200	44,300	89,750	129,800					
2009	157,000	349,500			36,000	66,000	88,200	133,600					
2010	108,000	97k to 219k	369,500	293k to 488k	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	116,800	205,700			
2006–2015 avg.	174,890		394,260		47,950		59,030		89,616		114,812		

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- ^a Does not include David or Caribou Rivers.
- ^b Escapement is based on weir counts and post weir escapement estimates. Only those years when weirs were present are included in the table.
- ^c From 2005–2010, 2012–2013, and 2016, 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 32,000 fish.
- ^d Escapements are estimates is based on aerial surveys.
- ^e Meshik River escapement includes Red and Yellow Bluff creeks (tributaries).
- ^f Cinder River escapement includes Mud Creek (a tributary).

Table 15.–Sockeye salmon daily and cumulative escapement counts through the Nelson River weir, 2016.

Date	Daily				Cumulative				Daily percent			Cumulative percent			
	Adults ^a	Females	Jacks	Total	Adults ^a	Females	Jacks	Total	Adults ^a	Females	Jacks	Adults ^a	Females	Jacks	Total
4-Jun	9	1	0	9	9	1	0	9	100%	10%	0.0%	0.0%	0.0%	0.0%	0.0%
5-Jun	39	4	0	39	48	5	0	48	100%	10%	0.0%	0.0%	0.0%	0.0%	0.0%
6-Jun	6	1	0	6	54	6	0	54	100%	10%	0.0%	0.0%	0.0%	0.0%	0.0%
7-Jun	0	0	0	0	54	6	0	54	100%	10%	0.0%	0.0%	0.0%	0.0%	0.0%
8-Jun	127	13	2	129	181	18	2	183	98.4%	10%	1.6%	0.1%	0.0%	0.1%	0.1%
9-Jun	3	0	0	3	184	19	2	186	100%	10%	0.0%	0.1%	0.0%	0.1%	0.1%
10-Jun	25	3	0	25	209	21	2	211	100%	10%	0.0%	0.1%	0.0%	0.1%	0.1%
11-Jun	32	3	2	34	241	24	4	245	94.1%	10%	5.9%	0.1%	0.0%	0.2%	0.1%
12-Jun	21	2	0	21	262	26	4	266	100%	10%	0.0%	0.1%	0.0%	0.2%	0.1%
13-Jun	6	1	0	6	268	27	4	272	100%	10%	0.0%	0.1%	0.0%	0.2%	0.1%
14-Jun	132	13	0	132	400	40	4	404	100%	10%	0.0%	0.2%	0.0%	0.2%	0.2%
15-Jun	139	14	0	139	539	54	4	543	100%	10%	0.0%	0.2%	0.1%	0.2%	0.2%
16-Jun	194	19	0	194	733	73	4	737	100%	10%	0.0%	0.3%	0.1%	0.2%	0.3%
17-Jun	2	0	1	3	735	74	5	740	66.7%	10%	33.3%	0.3%	0.1%	0.2%	0.3%
18-Jun	324	32	7	331	1,059	106	12	1,071	97.9%	10%	2.1%	0.4%	0.1%	0.5%	0.4%
19-Jun	41	4	3	44	1,100	110	15	1,115	93.2%	10%	6.8%	0.4%	0.1%	0.6%	0.4%
20-Jun	68	7	3	71	1,168	117	18	1,186	95.8%	10%	4.2%	0.4%	0.1%	0.8%	0.4%
21-Jun	1,545	155	8	1,553	2,713	271	26	2,739	99.5%	10%	0.5%	1.0%	0.3%	1.1%	1.0%
22-Jun	566	57	3	569	3,279	328	29	3,308	99.5%	10%	0.5%	1.2%	0.3%	1.2%	1.2%
23-Jun	202	20	2	204	3,481	348	31	3,512	99.0%	10%	1.0%	1.3%	0.4%	1.3%	1.3%
24-Jun	162	16	3	165	3,643	364	34	3,677	98.2%	10%	1.8%	1.4%	0.4%	1.4%	1.4%
25-Jun	4,160	1,082	13	4,173	7,803	1,446	47	7,850	99.7%	26%	0.3%	3.0%	1.5%	2.0%	3.0%
26-Jun	2,037	652	2	2,039	9,840	2,098	49	9,889	99.9%	32%	0.1%	3.7%	2.2%	2.1%	3.7%
27-Jun	13,270	4,246	98	13,368	23,110	6,344	147	23,257	99.3%	32%	0.7%	8.8%	6.6%	6.3%	8.8%
28-Jun	18,291	5,853	224	18,515	41,401	12,197	371	41,772	98.8%	32%	1.2%	15.8%	12.6%	15.8%	15.8%
29-Jun	7,020	1,895	42	7,062	48,421	14,093	413	48,834	99.4%	27%	0.6%	18.4%	14.6%	17.6%	18.4%
30-Jun	4,429	1,196	46	4,475	52,850	15,289	459	53,309	99.0%	27%	1.0%	20.1%	15.8%	19.5%	20.1%
1-Jul	5,563	1,947	14	5,577	58,413	17,236	473	58,886	99.7%	35%	0.3%	22.3%	17.8%	20.1%	22.2%
2-Jul	7,997	2,799	66	8,063	66,410	20,035	539	66,949	99.2%	35%	0.8%	25.3%	20.7%	22.9%	25.3%

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Table 15.–Page 2 of 2.

Date	Daily				Cumulative				Daily percent			Cumulative percent			
	Adults ^a	Females	Jacks	Total	Adults ^a	Females	Jacks	Total	Adults ^a	Females	Jacks	Adults ^a	Females	Jacks	Total
3-Jul	3,727	1,118	13	3,740	70,137	21,153	552	70,689	99.7%	30.0%	0.3%	26.7%	21.9%	23.5%	26.7%
4-Jul	7,505	2,252	79	7,584	77,642	23,404	631	78,273	99.0%	30.0%	1.0%	29.6%	24.2%	26.8%	29.6%
5-Jul	10,801	3,564	110	10,911	88,443	26,969	741	89,184	99.0%	33.0%	1.0%	33.7%	27.9%	31.5%	33.7%
6-Jul	18,803	6,205	86	18,889	107,246	33,174	827	108,073	99.5%	33.0%	0.5%	40.9%	34.3%	35.2%	40.8%
7-Jul	7,189	1,294	116	7,305	114,435	34,468	943	115,378	98.4%	18.0%	1.6%	43.6%	35.6%	40.1%	43.6%
8-Jul	10,586	1,905	79	10,665	125,021	36,373	1,022	126,043	99.3%	18.0%	0.7%	47.6%	37.6%	43.5%	47.6%
9-Jul	11,778	4,476	158	11,936	136,799	40,849	1,180	137,979	98.7%	38.0%	1.3%	52.1%	42.2%	50.2%	52.1%
10-Jul	10,482	3,983	105	10,587	147,281	44,832	1,285	148,566	99.0%	38.0%	1.0%	56.1%	46.3%	54.7%	56.1%
11-Jul	12,429	3,729	90	12,519	159,710	48,561	1,375	161,085	99.3%	30.0%	0.7%	60.8%	50.2%	58.5%	60.8%
12-Jul	8,444	2,533	55	8,499	168,154	51,094	1,430	169,584	99.4%	30.0%	0.6%	64.1%	52.8%	60.8%	64.0%
13-Jul	8,401	2,940	49	8,450	176,555	54,034	1,479	178,034	99.4%	35.0%	0.6%	67.3%	55.8%	62.9%	67.2%
14-Jul	8,838	3,093	52	8,890	185,393	57,127	1,531	186,924	99.4%	35.0%	0.6%	70.6%	59.0%	65.1%	70.6%
15-Jul	10,982	4,393	151	11,133	196,375	61,520	1,682	198,057	98.6%	40.0%	1.4%	74.8%	63.6%	71.5%	74.8%
16-Jul	7,929	3,172	78	8,007	204,304	64,692	1,760	206,064	99.0%	40.0%	1.0%	77.8%	66.8%	74.9%	77.8%
17-Jul	6,933	3,813	58	6,991	211,237	68,505	1,818	213,055	99.2%	55.0%	0.8%	80.5%	70.8%	77.3%	80.4%
18-Jul	7,882	4,335	76	7,958	219,119	72,840	1,894	221,013	99.0%	55.0%	1.0%	83.5%	75.2%	80.6%	83.4%
19-Jul	5,423	2,657	64	5,487	224,542	75,497	1,958	226,500	98.8%	49.0%	1.2%	85.5%	78.0%	83.3%	85.5%
20-Jul	8,969	4,395	74	9,043	233,511	79,892	2,032	235,543	99.2%	49.0%	0.8%	89.0%	82.5%	86.4%	88.9%
21-Jul	6,767	3,925	82	6,849	240,278	83,817	2,114	242,392	98.8%	58.0%	1.2%	91.5%	86.6%	89.9%	91.5%
22-Jul	5,233	3,035	69	5,302	245,511	86,852	2,183	247,694	98.7%	58.0%	1.3%	93.5%	89.7%	92.9%	93.5%
23-Jul	3,241	1,912	41	3,282	248,752	88,764	2,224	250,976	98.8%	59.0%	1.2%	94.8%	91.7%	94.6%	94.8%
24-Jul	5,618	3,315	43	5,661	254,370	92,079	2,267	256,637	99.2%	59.0%	0.8%	96.9%	95.1%	96.4%	96.9%
25-Jul	4,484	2,601	45	4,529	258,854	94,680	2,312	261,166	99.0%	58.0%	1.0%	98.6%	97.8%	98.3%	98.6%
26-Jul ^b	3,654	2,119	39	3,693	262,508	96,799	2,351	264,859	98.9%	58.0%	1.1%	100%	100.0%	100%	100%
Total	262,508	96,799	2,351	264,859											
Post-weir escapement estimate:				35,141 ^c	Female component of post-weir escapement estimate: 20,382										
Estimated total sockeye escapement:				300,000	Estimated total female sockeye salmon escapement: 117,181										

^a Adult counts include females.

^b Weir removed the following day.

^c 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 total Bear River late run by year, 1986–2016.

Year	Early-run escapement ^a	Late-run escapement ^b	Late-run catch ^c	Late-run total ^d
1986	174,453	98,047	254,650	352,697
1987	168,683	89,317	47,251	136,568
1988	169,363	140,637	231,717	372,354
1989	246,196	204,804	324,994	529,798
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	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
2006–2015 average	219,899	174,362	317,647	492,009

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

^a Bear River escapement prior to August 1.

^b Bear River escapement post July 31, including post-weir estimate.

^c Commercial catch from Port Moller Bight to Strogonof Point, post July 31.

^d Bear River escapement with post-weir estimate, and Port Moller to Strogonof Point catch, post July 31.

Table 17.–Sockeye salmon daily and cumulative escapement counts through the Bear River weir, 2016.

Date	Daily			Cumulative			Daily percent		Cumulative percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
3-Jun	1	0	1	1	0	1	100.0%	0.0%	0.0%	0.0%	0.0%
4-Jun	36	0	36	37	0	37	100.0%	0.0%	0.0%	0.0%	0.0%
5-Jun	48	0	48	85	0	85	100.0%	0.0%	0.0%	0.0%	0.0%
6-Jun	151	1	152	236	1	237	99.3%	0.7%	0.1%	0.0%	0.1%
7-Jun	191	11	202	427	12	439	94.6%	5.4%	0.1%	0.0%	0.1%
8-Jun	63	2	65	490	14	504	96.9%	3.1%	0.1%	0.0%	0.1%
9-Jun	273	25	298	763	39	802	91.6%	8.4%	0.2%	0.1%	0.2%
10-Jun	481	30	511	1,244	69	1,313	94.1%	5.9%	0.3%	0.2%	0.3%
11-Jun	148	11	159	1,392	80	1,472	93.1%	6.9%	0.4%	0.3%	0.4%
12-Jun	962	39	1,001	2,354	119	2,473	96.1%	3.9%	0.6%	0.4%	0.6%
13-Jun	700	27	727	3,054	146	3,200	96.3%	3.7%	0.8%	0.5%	0.8%
14-Jun	1,200	56	1,256	4,254	202	4,456	95.5%	4.5%	1.1%	0.7%	1.1%
15-Jun	1,779	69	1,848	6,033	271	6,304	96.3%	3.7%	1.6%	0.9%	1.5%
16-Jun	2,890	92	2,982	8,923	363	9,286	96.9%	3.1%	2.4%	1.2%	2.3%
17-Jun	3,000	48	3,048	11,923	411	12,334	98.4%	1.6%	3.1%	1.3%	3.0%
18-Jun	1,552	49	1,601	13,475	460	13,935	96.9%	3.1%	3.6%	1.5%	3.4%
19-Jun	1,318	44	1,362	14,793	504	15,297	96.8%	3.2%	3.9%	1.6%	3.7%
20-Jun	1,526	40	1,566	16,319	544	16,863	97.4%	2.6%	4.3%	1.8%	4.1%
21-Jun	3,098	125	3,223	19,417	669	20,086	96.1%	3.9%	5.1%	2.2%	4.9%
22-Jun	5,018	188	5,206	24,435	857	25,292	96.4%	3.6%	6.4%	2.8%	6.2%
23-Jun	13,304	232	13,536	37,739	1,089	38,828	98.3%	1.7%	10.0%	3.5%	9.5%
24-Jun	5,685	158	5,843	43,424	1,247	44,671	97.3%	2.7%	11.5%	4.1%	10.9%
25-Jun	4,269	96	4,365	47,693	1,343	49,036	97.8%	2.2%	12.6%	4.4%	12.0%
26-Jun	2,659	112	2,771	50,352	1,455	51,807	96.0%	4.0%	13.3%	4.7%	12.6%
27-Jun	8,690	251	8,941	59,042	1,706	60,748	97.2%	2.8%	15.6%	5.6%	14.8%
28-Jun	21,482	375	21,857	80,524	2,081	82,605	98.3%	1.7%	21.2%	6.8%	20.2%
29-Jun	8,712	278	8,990	89,236	2,359	91,595	96.9%	3.1%	23.5%	7.7%	22.3%
30-Jun	6,975	189	7,164	96,211	2,548	98,759	97.4%	2.6%	25.4%	8.3%	24.1%
1-Jul	5,136	155	5,291	101,347	2,703	104,050	97.1%	2.9%	26.7%	8.8%	25.4%

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Table 17.–Page 2 of 3.

Date	Daily			Cumulative			Daily percent		Cumulative percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
2-Jul	3,270	86	3,356	104,617	2,789	107,406	97.4%	2.6%	27.6%	9.1%	26.2%
3-Jul	3,448	134	3,582	108,065	2,923	110,988	96.3%	3.7%	28.5%	9.5%	27.1%
4-Jul	1,454	121	1,575	109,519	3,044	112,563	92.3%	7.7%	28.9%	9.9%	27.5%
5-Jul	9,173	656	9,829	118,692	3,700	122,392	93.3%	6.7%	31.3%	12.0%	29.9%
6-Jul	15,987	1,111	17,098	134,679	4,811	139,490	93.5%	6.5%	35.5%	15.7%	34.0%
7-Jul	15,118	735	15,853	149,797	5,546	155,343	95.4%	4.6%	39.5%	18.1%	37.9%
8-Jul	18,207	1,335	19,542	168,004	6,881	174,885	93.2%	6.8%	44.3%	22.4%	42.7%
9-Jul	11,734	1,440	13,174	179,738	8,321	188,059	89.1%	10.9%	47.4%	27.1%	45.9%
10-Jul	7,110	556	7,666	186,848	8,877	195,725	92.7%	7.3%	49.3%	28.9%	47.8%
11-Jul	12,946	713	13,659	199,794	9,590	209,384	94.8%	5.2%	52.7%	31.2%	51.1%
12-Jul	11,462	1,193	12,655	211,256	10,783	222,039	90.6%	9.4%	55.7%	35.1%	54.2%
13-Jul	4,917	520	5,437	216,173	11,303	227,476	90.4%	9.6%	57.0%	36.8%	55.5%
14-Jul	5,631	607	6,238	221,804	11,910	233,714	90.3%	9.7%	58.5%	38.8%	57.0%
15-Jul	3,836	245	4,081	225,640	12,155	237,795	94.0%	6.0%	59.5%	39.6%	58.0%
16-Jul	670	24	694	226,310	12,179	238,489	96.5%	3.5%	59.7%	39.7%	58.2%
17-Jul	2,434	277	2,711	228,744	12,456	241,200	89.8%	10.2%	60.3%	40.6%	58.8%
18-Jul	2,730	295	3,025	231,474	12,751	244,225	90.2%	9.8%	61.1%	41.5%	59.6%
19-Jul	3,233	387	3,620	234,707	13,138	247,845	89.3%	10.7%	61.9%	42.8%	60.5%
20-Jul	3,945	285	4,230	238,652	13,423	252,075	93.3%	6.7%	62.9%	43.7%	61.5%
21-Jul	1,174	109	1,283	239,826	13,532	253,358	91.5%	8.5%	63.3%	44.1%	61.8%
22-Jul	3,140	398	3,538	242,966	13,930	256,896	88.8%	11.2%	64.1%	45.4%	62.7%
23-Jul	2,478	169	2,647	245,444	14,099	259,543	93.6%	6.4%	64.7%	45.9%	63.3%
24-Jul	5,204	379	5,583	250,648	14,478	265,126	93.2%	6.8%	66.1%	47.1%	64.7%
25-Jul	5,830	355	6,185	256,478	14,833	271,311	94.3%	5.7%	67.6%	48.3%	66.2%
26-Jul	3,555	723	4,278	260,033	15,556	275,589	83.1%	16.9%	68.6%	50.6%	67.2%
27-Jul	5,319	1,096	6,415	265,352	16,652	282,004	82.9%	17.1%	70.0%	54.2%	68.8%
28-Jul	2,248	412	2,660	267,600	17,064	284,664	84.5%	15.5%	70.6%	55.6%	69.5%
29-Jul	2,467	464	2,931	270,067	17,528	287,595	84.2%	15.8%	71.2%	57.1%	70.2%
30-Jul	1,904	409	2,313	271,971	17,937	289,908	82.3%	17.7%	71.7%	58.4%	70.7%
31-Jul	3,074	298	3,372	275,045	18,235	293,280	91.2%	8.8%	72.5%	59.4%	71.6%
1-Aug	3,681	284	3,965	278,726	18,519	297,245	92.8%	7.2%	73.5%	60.3%	72.5%

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Table 17.–Page 3 of 3.

Date	Daily			Cumulative			Daily percent		Cumulative percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
2-Aug	6,430	804	7,234	285,156	19,323	304,479	88.9%	11.1%	75.2%	62.9%	74.3%
3-Aug	6,925	884	7,809	292,081	20,207	312,288	88.7%	11.3%	77.0%	65.8%	76.2%
4-Aug	3,861	399	4,260	295,942	20,606	316,548	90.6%	9.4%	78.1%	67.1%	77.2%
5-Aug	3,492	407	3,899	299,434	21,013	320,447	89.6%	10.4%	79.0%	68.4%	78.2%
6-Aug	2,516	270	2,786	301,950	21,283	323,233	90.3%	9.7%	79.6%	69.3%	78.9%
7-Aug	7,481	917	8,398	309,431	22,200	331,631	89.1%	10.9%	81.6%	72.3%	80.9%
8-Aug	10,413	842	11,255	319,844	23,042	342,886	92.5%	7.5%	84.4%	75.0%	83.7%
9-Aug	6,790	432	7,222	326,634	23,474	350,108	94.0%	6.0%	86.1%	76.4%	85.4%
10-Aug	7,478	572	8,050	334,112	24,046	358,158	92.9%	7.1%	88.1%	78.3%	87.4%
11-Aug	3,206	437	3,643	337,318	24,483	361,801	88.0%	12.0%	89.0%	79.7%	88.3%
12-Aug	3,349	575	3,924	340,667	25,058	365,725	85.3%	14.7%	89.8%	81.6%	89.2%
13-Aug	1,417	240	1,657	342,084	25,298	367,382	85.5%	14.5%	90.2%	82.4%	89.6%
14-Aug	1,936	442	2,378	344,020	25,740	369,760	81.4%	18.6%	90.7%	83.8%	90.2%
15-Aug	3,505	394	3,899	347,525	26,134	373,659	89.9%	10.1%	91.7%	85.1%	91.2%
16-Aug	5,339	485	5,824	352,864	26,619	379,483	91.7%	8.3%	93.1%	86.7%	92.6%
17-Aug	3,006	415	3,421	355,870	27,034	382,904	87.9%	12.1%	93.9%	88.0%	93.4%
18-Aug	1,291	354	1,645	357,161	27,388	384,549	78.5%	21.5%	94.2%	89.2%	93.8%
19-Aug	1,514	262	1,776	358,675	27,650	386,325	85.2%	14.8%	94.6%	90.0%	94.3%
20-Aug	3,661	743	4,404	362,336	28,393	390,729	83.1%	16.9%	95.6%	92.4%	95.3%
21-Aug	2,715	400	3,115	365,051	28,793	393,844	87.2%	12.8%	96.3%	93.7%	96.1%
22-Aug	2,620	348	2,968	367,671	29,141	396,812	88.3%	11.7%	97.0%	94.9%	96.8%
23-Aug	4,738	768	5,506	372,409	29,909	402,318	86.1%	13.9%	98.2%	97.4%	98.2%
24-Aug	4,305	599	4,904	376,714	30,508	407,222	87.8%	12.2%	99.4%	99.3%	99.4%
25-Aug ^a	2,440	207	2,647	379,154	30,715	409,869	92.2%	7.8%	100.0%	100.0%	100.0%
Total	379,154	30,715	409,869								
Post weir escapement estimate:				23,131 ^b							
Estimated total escapement:				433,000							

^a Weir removed the following day.

^b 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, 2016.

Date	Daily			Cumulative			Daily percent		Cumulative percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
9-Jun	2	0	2	2	0	0	0.0%	0.0%	0.0%	0.0%	0.0%
10-Jun	16	0	16	18	0	62	100.0%	0.0%	0.0%	0.0%	0.0%
11-Jun	62	0	62	80	0	80	100.0%	0.0%	0.1%	0.0%	0.1%
12-Jun	68	2	70	148	2	150	97.1%	2.9%	0.1%	0.1%	0.1%
13-Jun	147	0	147	295	2	297	100.0%	0.0%	0.2%	0.1%	0.2%
14-Jun	237	7	244	532	9	541	97.1%	2.9%	0.3%	0.3%	0.3%
15-Jun	481	33	514	1,013	42	1,055	93.6%	6.4%	0.7%	1.2%	0.7%
16-Jun	1,492	52	1,544	2,505	94	2,599	96.6%	3.4%	1.6%	2.7%	1.6%
17-Jun	1,124	70	1,194	3,629	164	3,793	94.1%	5.9%	2.4%	4.8%	2.4%
18-Jun ^a	1,300	0	1,300	4,929	164	5,093	100.0%	0.0%	3.2%	4.8%	3.2%
19-Jun ^a	1,500	0	1,500	6,429	164	6,593	100.0%	0.0%	4.2%	4.8%	4.2%
20-Jun ^a	1,700	0	1,700	8,129	164	8,293	100.0%	0.0%	5.3%	4.8%	5.3%
21-Jun ^a	1,900	0	1,900	10,029	164	10,193	100.0%	0.0%	6.5%	4.8%	6.5%
22-Jun	900	46	946	10,929	210	11,139	95.1%	4.9%	7.1%	6.1%	7.1%
23-Jun	2,783	117	2,900	13,712	327	14,039	96.0%	4.0%	8.9%	9.5%	8.9%
24-Jun	3,968	159	4,127	17,680	486	18,166	96.1%	3.9%	11.5%	14.2%	11.5%
25-Jun	4,177	152	4,329	21,857	638	22,495	96.5%	3.5%	14.2%	18.6%	14.3%
26-Jun	6,607	258	6,865	28,464	896	29,360	96.2%	3.8%	18.4%	26.1%	18.6%
27-Jun	7,144	202	7,346	35,608	1,098	36,706	97.3%	2.7%	23.1%	32.0%	23.3%
28-Jun	11,172	192	11,364	46,780	1,290	48,070	98.3%	1.7%	30.3%	37.6%	30.5%
29-Jun	10,078	213	10,291	56,858	1,503	58,361	97.9%	2.1%	36.8%	43.8%	37.0%
30-Jun	6,594	96	6,690	63,452	1,599	65,051	98.6%	1.4%	41.1%	46.6%	41.2%
1-Jul	5,607	116	5,723	69,059	1,715	70,774	98.0%	2.0%	44.7%	50.0%	44.9%
2-Jul	5,246	100	5,346	74,305	1,815	76,120	98.1%	1.9%	48.1%	52.9%	48.2%
3-Jul	4,343	95	4,438	78,648	1,910	80,558	97.9%	2.1%	51.0%	55.7%	51.1%
4-Jul	3,321	58	3,379	81,969	1,968	83,937	98.3%	1.7%	53.1%	57.4%	53.2%
5-Jul	4,669	93	4,762	86,638	2,061	88,699	98.0%	2.0%	56.1%	60.1%	56.2%
6-Jul	7,706	127	7,833	94,344	2,188	96,532	98.4%	1.6%	61.1%	63.8%	61.2%
7-Jul	6,220	72	6,292	100,564	2,260	102,824	98.9%	1.1%	65.2%	65.9%	65.2%
8-Jul	13,037	195	13,232	113,601	2,455	116,056	98.5%	1.5%	73.6%	71.6%	73.6%

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Table 18.–Page 2 of 2.

Date	Daily			Cumulative			Daily percent		Cumulative percent			
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total	
9-Jul	7,409	159	7,568	121,010	2,614	123,624	97.9%	2.1%	78.4%	76.2%	78.4%	
10-Jul	8,084	115	8,199	129,094	2,729	131,823	98.6%	1.4%	83.6%	79.6%	83.6%	
11-Jul	4,268	95	4,363	133,362	2,824	136,186	97.8%	2.2%	86.4%	82.3%	86.3%	
12-Jul	4,798	70	4,868	138,160	2,894	141,054	98.6%	1.4%	89.5%	84.4%	89.4%	
13-Jul	4,713	79	4,792	142,873	2,973	145,846	98.4%	1.6%	92.6%	86.7%	92.4%	
14-Jul	2,751	67	2,818	145,624	3,040	148,664	97.6%	2.4%	94.4%	88.6%	94.2%	
15-Jul	2,126	66	2,192	147,750	3,106	150,856	97.0%	3.0%	95.7%	90.6%	95.6%	
16-Jul	1,783	60	1,843	149,533	3,166	152,699	96.7%	3.3%	96.9%	92.3%	96.8%	
17-Jul	1,822	97	1,919	151,355	3,263	154,618	94.9%	5.1%	98.1%	95.1%	98.0%	
18-Jul	1,732	81	1,813	153,087	3,344	156,431	95.5%	4.5%	99.2%	97.5%	99.2%	
19-Jul ^b	1,247	86	1,333	154,334	3,430	157,764	93.5%	6.5%	100.0%	100.0%	100.0%	
Total	154,334	3,430	157,764									
Post weir escapement estimate:				12,236 ^c								
Total estimated escapement:				170,000								

^a Numbers for this day are an estimate due to high water events at the weir.

^b Weir removed the following day.

^c 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, 2016.

Date	Daily			Cumulative			Daily percent		Cumulative percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
30-May	1,200	0	1,200	1200	0	1200	100.0%	0.0%	1.5%	0.0%	1.4%
31-May	367	0	367	1,567	0	1,567	100.0%	0.0%	1.9%	0.0%	1.9%
1-Jun	422	0	422	1,989	0	1,989	100.0%	0.0%	2.4%	0.0%	2.3%
2-Jun	400	0	400	2,389	0	2,389	100.0%	0.0%	2.9%	0.0%	2.8%
3-Jun	398	0	398	2,787	0	2,787	100.0%	0.0%	3.4%	0.0%	3.3%
4-Jun	464	0	464	3,251	0	3,251	100.0%	0.0%	3.9%	0.0%	3.8%
5-Jun	530	0	530	3,781	0	3,781	100.0%	0.0%	4.6%	0.0%	4.5%
6-Jun	352	11	363	4,133	11	4,144	97.0%	3.0%	5.0%	0.5%	4.9%
7-Jun	544	1	545	4,677	12	4,689	99.8%	0.2%	5.7%	0.6%	5.5%
8-Jun	250	1	251	4,927	13	4,940	99.6%	0.4%	6.0%	0.6%	5.8%
9-Jun	445	0	445	5,372	13	5,385	100.0%	0.0%	6.5%	0.6%	6.4%
10-Jun	1,000	0	1,000	6,372	13	6,385	100.0%	0.0%	7.7%	0.6%	7.5%
11-Jun	121	2	123	6,493	15	6,508	98.4%	1.6%	7.9%	0.7%	7.7%
12-Jun	1,621	112	1,733	8,114	127	8,241	93.5%	6.5%	9.8%	6.0%	9.7%
13-Jun	467	24	491	8,581	151	8,732	95.1%	4.9%	10.4%	7.2%	10.3%
14-Jun	564	16	580	9,145	167	9,312	97.2%	2.8%	11.1%	7.9%	11.0%
15-Jun	1,044	58	1,102	10,189	225	10,414	94.7%	5.3%	12.3%	10.7%	12.3%
16-Jun	5,254	109	5,363	15,443	334	15,777	98.0%	2.0%	18.7%	15.8%	18.6%
17-Jun	1,056	89	1,145	16,499	423	16,922	92.2%	7.8%	20.0%	20.1%	20.0%
18-Jun	2,541	75	2,616	19,040	498	19,538	97.1%	2.9%	23.1%	23.6%	23.1%
19-Jun	2,138	250	2,388	21,178	748	21,926	89.5%	10.5%	25.7%	35.5%	25.9%
20-Jun	2,575	115	2,690	23,753	863	24,616	95.7%	4.3%	28.8%	40.9%	29.1%
21-Jun	1,751	74	1,825	25,504	937	26,441	95.9%	4.1%	30.9%	44.4%	31.2%
22-Jun	666	27	693	26,170	964	27,134	96.1%	3.9%	31.7%	45.7%	32.0%
23-Jun	1,343	66	1,409	27,513	1,030	28,543	95.3%	4.7%	33.3%	48.9%	33.7%
24-Jun	7,157	278	7,435	34,670	1,308	35,978	96.3%	3.7%	42.0%	62.0%	42.5%
25-Jun	9,674	279	9,953	44,344	1,587	45,931	97.2%	2.8%	53.7%	75.3%	54.3%
26-Jun	7,417	117	7,534	51,761	1,704	53,465	98.4%	1.6%	62.7%	80.8%	63.1%
27-Jun	2,942	63	3,005	54,703	1,767	56,470	97.9%	2.1%	66.3%	83.8%	66.7%
28-Jun	3,976	64	4,040	58,679	1,831	60,510	98.4%	1.6%	71.1%	86.9%	71.5%

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Table 19.–Page 2 of 2.

Date	Daily			Cumulative			Daily percent		Cumulative percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
29-Jun	536	31	567	59,215	1,862	61,077	94.5%	5.5%	71.7%	88.3%	72.1%
30-Jun	777	26	803	59,992	1,888	61,880	96.8%	3.2%	72.7%	89.6%	73.1%
1-Jul	1,900	46	1,946	61,892	1,934	63,826	97.6%	2.4%	75.0%	91.7%	75.4%
2-Jul	1,668	36	1,704	63,560	1,970	65,530	97.9%	2.1%	77.0%	93.5%	77.4%
3-Jul	645	29	674	64,205	1,999	66,204	95.7%	4.3%	77.8%	94.8%	78.2%
4-Jul	1,417	22	1,439	65,622	2,021	67,643	98.5%	1.5%	79.5%	95.9%	79.9%
5-Jul	1,397	17	1,414	67,019	2,038	69,057	98.8%	1.2%	81.2%	96.7%	81.6%
6-Jul	1,543	17	1,560	68,562	2,055	70,617	98.9%	1.1%	83.0%	97.5%	83.4%
7-Jul	1,229	13	1,242	69,791	2,068	71,859	99.0%	1.0%	84.5%	98.1%	84.9%
8-Jul	978	5	983	70,769	2,073	72,842	99.5%	0.5%	85.7%	98.3%	86.0%
9-Jul	2,181	7	2,188	72,950	2,080	75,030	99.7%	0.3%	88.4%	98.7%	88.6%
10-Jul	2,161	8	2,169	75,111	2,088	77,199	99.6%	0.4%	91.0%	99.1%	91.2%
11-Jul	4,281	13	4,294	79,392	2,101	81,493	99.7%	0.3%	96.2%	99.7%	96.3%
12-Jul	2,109	6	2,115	81,501	2,107	83,608	99.7%	0.3%	98.7%	100.0%	98.8%
13-Jul	891	1	892	82,392	2,108	84,500	99.9%	0.1%	99.8%	100.0%	99.8%
14-Jul ^a	165	0	165	82,557	2,108	84,665	100.0%	0.0%	100.0%	100.0%	100.0%
Total	82,557	2,108	84,665								
Post weir escapement estimate:			7,335 ^b								
Estimated total Innik River escapement:			92,000								
Estimated total Ocean River escapement:			32,000 ^c								
Estimated total escapement:			124,000								

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

^a Weir removed the following day.

^b 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.

^c Aerial surveys were used to observe escapement into the Ocean River.

Table 20.—North Peninsula salmon harvest by species and day, 2016.

Catch date	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
6-Jun ^a	19	19	52	773	0	0	0
7-Jun	13	13	18	815	0	0	0
8-Jun	12	12	13	1,121	0	0	0
9-Jun to 11-Jun ^b	-	-	-	-	-	-	-
12-Jun ^c	0	-	-	-	-	-	-
13-Jun	19	19	106	2,883	0	0	0
14-Jun	19	19	131	3,280	0	0	0
15-Jun	18	18	115	3,358	0	0	0
16-Jun	15	15	74	2,690	0	0	0
17-Jun to 18-Jun ^b	-	-	-	-	-	-	-
19-Jun ^c	0	-	-	-	-	-	-
20-Jun	22	22	187	11,408	0	0	0
21-Jun	26	26	169	8,559	0	7	17
22-Jun	28	28	213	8,490	0	0	25
23-Jun ^c	0	-	-	-	-	-	-
24-Jun	15	15	12	16,691	0	0	68
25-Jun	90	129	121	156,802	0	101	260
26-Jun	68	88	86	102,665	0	21	254
27-Jun	50	62	24	60,790	0	0	92
28-Jun	107	185	107	141,322	0	59	1,709
29-Jun	71	77	69	55,783	0	3	132
30-Jun	131	201	71	134,526	0	12	368
1-Jul	98	114	70	74,039	0	2	57
2-Jul	139	237	75	303,043	0	9	798
3-Jul	43	43	36	26,889	0	0	0
4-Jul	28	28	17	11,086	0	0	4,471
5-Jul	144	213	38	162,640	0	1	2,915
6-Jul	102	139	8	95,853	0	3	230
7-Jul	117	227	11	176,769	0	10	1,625
8-Jul	98	114	8	75,917	0	2	169
9-Jul	124	172	5	125,845	0	0	200
10-Jul	79	99	1	59,800	0	3	372
11-Jul	129	207	6	143,841	0	22	1,595
12-Jul	101	136	7	89,402	4	123	2,931
13-Jul	120	212	4	140,983	1	67	8,224
14-Jul	100	127	4	77,340	0	3	440
15-Jul	121	198	1	134,390	0	0	254
16-Jul	90	111	2	64,552	2	0	292
17-Jul	85	115	4	73,529	0	0	355
18-Jul	132	200	5	138,071	1	50	7,391
19-Jul	117	183	3	122,288	4	22	3,606
20-Jul	77	94	1	54,361	2	7	407
21-Jul	96	149	1	104,152	12	17	3,104
22-Jul	53	55	1	29,683	1	20	177
23-Jul	48	52	0	40,075	8	2	192

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Table 20.–Page 2 of 3.

Catch date	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
24-Jul	28	31	0	14,344	2	0	64
25-Jul	100	125	1	61,638	5	0	3,550
26-Jul	85	97	1	38,622	10	20	4,982
27-Jul	82	101	1	33,207	5	15	581
28-Jul	49	53	0	12,598	17	2	755
29-Jul	39	39	0	20,930	45	10	647
30-Jul	15	15	0	2,908	5	0	754
31-Jul ^c	0	-	-	-	-	-	-
1-Aug	41	41	1	11,389	109	85	2,412
2-Aug	31	31	0	7,086	53	14	448
3-Aug	43	59	1	21,794	133	374	3,045
4-Aug	31	31	2	10,222	135	202	1,524
5-Aug	31	37	0	8,489	161	38	495
6-Aug	6	6	0	900	35	0	174
7-Aug ^c	0	-	-	-	-	-	-
8-Aug	20	20	0	4,702	101	256	3,038
9-Aug	53	58	1	14,563	427	109	4,293
10-Aug	65	95	2	31,655	939	1,338	5,567
11-Aug	50	50	0	13,655	916	1,318	6,485
12-Aug	59	68	1	14,768	937	771	125
13-Aug	38	38	1	11,709	1,104	651	166
14-Aug ^c	0	-	-	-	-	-	-
15-Aug	58	63	1	11,777	1,235	659	1,144
16-Aug	46	51	0	10,743	1,471	953	710
17-Aug	36	38	0	7,409	1,644	322	545
18-Aug	56	57	0	8,254	1,450	328	267
19-Aug	39	60	0	6,694	1,001	190	142
20-Aug	7	11	0	1,658	430	333	23
21-Aug ^d	-	-	-	-	-	-	-
22-Aug	40	43	0	11,733	3,676	403	64
23-Aug	57	62	2	14,700	5,681	1,384	1,390
24-Aug	55	62	0	12,479	7,832	696	1,189
25-Aug	48	56	0	10,284	7,036	551	1,504
26-Aug	42	49	0	8,272	6,251	537	11
27-Aug	43	43	0	6,639	5,821	134	25
28-Aug	26	26	0	3,621	3,391	0	14
29-Aug	22	22	0	2,014	2,823	0	7
30-Aug	31	32	0	4,839	5,735	0	0
31-Aug	32	41	0	4,626	5,900	15	18
1-Sep	23	29	0	3,062	3,155	0	5
2-Sep	9	10	0	854	1,439	0	1
3-Sep	7	7	0	1,444	1,893	0	0
Total	157	5,930	1,891	3,502,785	73,038	12,274	88,894

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Table 20.–Page 3 of 3.

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

- ^a No harvest effort occurred prior to June 6.
- ^b Fishery closed.
- ^c No fishing effort occurred for this time period.
- ^d Confidentiality requirements prohibit the release of this information.

Table 21.—North Peninsula salmon harvest by district, statistical area, and section, 2016.

Statistical		Number of salmon					
area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total
Northwestern District							
311-20	Dublin Bay Section ^a	-	-	-	-	-	-
311-32	Urilia Bay Section ^a	-	-	-	-	-	-
311-52	Swanson Lagoon Section ^a	-	-	-	-	-	-
311-60	Bechevin Bay Section ^{a, b}	-	-	-	-	-	-
311-58	Cape Krenitzen to Cape Glazenap	0	2,274	38	351	3,760	6,423
312-10	Cape Glazenap to Moffet Point	0	347	120	257	1,505	2,229
312-20	Izembek Lagoon	0	4,476	2,043	342	1,287	8,148
312-40	Moffet Bay	0	32,501	178	862	63,351	96,892
Izembek–Moffet Bay Section total		0	39,598	2,379	1,812	69,903	113,692
Northwestern District total		0	39,598	2,379	1,812	69,903	113,692
Northern District							
313-10	Black Hills Section	42	46,487	689	846	2,484	51,157
313-20	Caribou Flats Section ^c	-	-	-	-	-	-
313-30	Nelson Lagoon Section	1,188	301,786	27,312	101	6,967	337,354
314-12	Port Moller Bight Section ^d	-	-	-	-	-	-
314-20	Herendeen Bay ^d	-	-	-	-	-	-
314-30	Moller Bay ^a	-	-	-	-	-	-
Herendeen–Moller Bay Section total		-	-	-	-	-	-
315-11	Bear River	103	213,069	2,058	315	4,482	220,027
315-20	Muddy River	3	42,770	1,527	205	408	44,913
Bear River Section total		101	255,837	3,585	520	4,890	264,940
316-10	Three Hills Section	7	57,919	4,715	491	500	63,632
316-20	Southwest Ilnik	175	453,190	13,064	4,685	1,201	472,315
316-22	Ilnik Lagoon ^a	0	0	0	0	0	0
316-25	Northeast Ilnik	303	1,715,107	21,289	3,729	2,354	1,742,782
Ilnik Section total		478	2,168,297	34,353	8,414	3,555	2,215,097
317-10	Outer Port Heiden Section	75	632,655	5	88	560	633,383
317-20	Inner Port Heiden Section ^a	0	-	-	-	-	-
318-20	Cinder River Section ^d	-	-	-	-	-	-
Northern District total ^e		1,891	3,463,187	70,659	10,462	18,974	3,564,766
North Peninsula Total ^e		1,891	3,502,785	73,038	12,274	88,877	3,678,458

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

^a There was no commercial salmon harvest effort in this section in 2016.

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

^c The Caribou Flats Section is closed to commercial fishing.

^d Confidentiality rules prohibit the release of this information.

^e Total includes information not provided due to confidentiality requirements.

Table 22.—Northwestern District sockeye salmon runs (number of fish), 1962–2016.

Year		Dublin, Bechevin, & Urilia		Northwestern District total
		Izembek–Moffet Bay Section ^a	Bays & Swanson Lagoon ^{a,b}	
1962	Catch	4,700	4,100	8,800
	Escapement ^c	27,000	24,000	51,000
	Total	31,700	28,100	59,800
1963	Catch	1,700	5,200	6,900
	Escapement ^c	40,000	14,000	54,000
	Total	41,700	19,200	60,900
1964	Catch	4,700	10,300	15,000
	Escapement ^c	50,000	20,000	70,000
	Total	54,700	30,300	85,000
1965	Catch	400	14,100	14,500
	Escapement ^c	7,000	6,900	13,900
	Total	7,400	21,000	28,400
1966	Catch	0	16,300	16,300
	Escapement ^c	7,500	12,400	19,900
	Total	7,500	28,700	36,200
1967	Catch	8,100	5,300	13,400
	Escapement ^c	9,000	5,800	14,800
	Total	17,100	11,100	28,200
1968	Catch	11,100	4,600	15,700
	Escapement ^c	10,000	7,800	17,800
	Total	21,100	12,400	33,500
1969	Catch	6,100	3,500	9,600
	Escapement ^c	14,000	39,500	53,500
	Total	20,100	43,000	63,100
1970	Catch	3,110	727	3,837
	Escapement ^c	7,000	35,000	42,000
	Total	10,110	35,727	45,837
1971	Catch	6,880	2,357	9,237
	Escapement ^c	4,000	30,000	34,000
	Total	10,880	32,357	43,237
1972	Catch	759	6,180	6,939
	Escapement ^c	5,000	4,800	9,800
	Total	5,759	10,980	16,739
1973	Catch	1,256	2,612	3,868
	Escapement ^c	2,000	5,000	7,000
	Total	3,256	7,612	10,868

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Table 22.–Page 2 of 5.

Year		Dublin, Bechevin, & Urilia		
		Izembek–Moffet Bay Section ^a	Bays & Swanson Lagoon ^{a,b}	Northwestern District total
1974	Catch	4,789	3,693	8,482
	Escapement ^c	4,000	3,300	7,300
	Total	8,789	6,993	15,782
1975	Catch	1,503	1,451	2,954
	Escapement ^c	7,000	12,300	19,300
	Total	8,503	13,751	22,254
1976	Catch	19,036	1,708	20,744
	Escapement ^c	14,000	21,500	35,500
	Total	33,036	23,208	56,244
1977	Catch	3,091	31,509	34,600
	Escapement ^c	26,500	28,600	55,100
	Total	29,591	60,109	89,700
1978	Catch	15,601	24,464	40,065
	Escapement ^c	17,000	28,000	45,000
	Total	32,601	52,464	85,065
1979	Catch	10,807	63,090	73,897
	Escapement ^c	9,000	33,700	42,700
	Total	19,807	96,790	116,597
1980	Catch	34,208	15,162	49,370
	Escapement ^c	11,500	90,100	101,600
	Total	45,708	105,262	150,970
1981	Catch	30,943	20,077	51,020
	Escapement ^c	12,000	60,700	72,700
	Total	42,943	80,777	123,720
1982	Catch	24,482	9,258	33,740
	Escapement ^c	21,500	29,300	50,800
	Total	45,982	38,558	84,540
1983	Catch	15,192	12,533	29,455
	Escapement ^c	18,500	14,200	32,700
	Total	33,692	26,733	62,155
1984	Catch	4,692	197,047	201,739
	Escapement ^c	19,100	70,300	89,400
	Total	23,792	267,347	291,139
1985	Catch	6,163	76,956	83,119
	Escapement ^c	17,200	29,500	46,700
	Total	23,363	106,456	129,819

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Table 22.–Page 3 of 5.

Year		Dublin, Bechevin, & Urilia		
		Izembek–Moffet Bay Section ^a	Bays & Swanson Lagoon ^{a,b}	Northwestern District total
1986	Catch	19,051	139,238	158,289
	Escapement ^c	15,700	45,700	61,400
	Total	34,751	184,938	219,689
1987	Catch	6,475	137,866	144,341
	Escapement ^c	13,600	36,300	49,900
	Total	20,075	174,166	194,241
1988	Catch	11,468	66,983	78,451
	Escapement ^c	17,300	35,600	52,900
	Total	28,768	102,583	131,351
1989	Catch	8,610	43,980	52,590
	Escapement ^c	22,500	58,100	80,600
	Total	31,110	102,080	133,190
1990	Catch	39,428	118,592	158,020
	Escapement ^c	33,700	83,100	116,800
	Total	73,128	201,692	274,820
1991	Catch	24,500	156,727	181,227
	Escapement ^c	51,600	86,700	138,300
	Total	76,100	243,427	319,527
1992	Catch	21,542	57,507	79,049
	Escapement ^c	53,300	46,900	100,200
	Total	74,842	104,407	179,249
1993	Catch	30,109	38,274	68,383
	Escapement ^c	34,400	40,000	74,400
	Total	64,509	78,274	142,783
1994	Catch	2,362	32,512	34,874
	Escapement ^c	39,500	48,200	87,700
	Total	41,862	80,712	122,574
1995	Catch	7,269	17,965	25,234
	Escapement ^c	7,500	54,800	62,300
	Total	14,769	72,765	87,534
1996	Catch	18,210	39,899	58,109
	Escapement ^c	45,900	36,900	82,800
	Total	64,110	76,799	140,909
1997	Catch	5,493	52,961	58,454
	Escapement ^c	26,500	42,300	68,800
	Total	31,993	95,261	127,254

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Table 22.–Page 4 of 5.

Year		Dublin, Bechevin, & Urilia		Northwestern District total
		Izembek–Moffet Bay Section ^a	Bays & Swanson Lagoon ^{a,b}	
1998	Catch	8,241	43,074	51,315
	Escapement ^c	38,800	45,300	84,100
	Total	47,041	88,374	135,415
1999	Catch	4,387	119,148	123,535
	Escapement ^c	31,600	57,100	88,700
	Total	35,987	176,248	212,235
2000	Catch	1,638	100,808	102,446
	Escapement ^c	24,800	60,500	85,300
	Total	26,438	161,308	187,746
2001	Catch	10,270	40,474	50,744
	Escapement ^c	49,500	51,500	101,000
	Total	59,770	91,974	151,744
2002	Catch	37,528	45,314	82,842
	Escapement ^c	49,000	60,500	109,500
	Total	86,528	105,814	192,342
2003	Catch	16,338	46,830	63,168
	Escapement ^c	58,000	79,600	137,600
	Total	74,338	126,430	200,768
2004	Catch	23,629	74,790	98,419
	Escapement ^c	68,300	118,630	186,930
	Total	91,929	193,420	285,349
2005	Catch	61,082	113,463	174,545
	Escapement ^c	61,388	75,400	136,788
	Total	122,470	188,863	311,333
2006	Catch	24,712	37,804	62,516
	Escapement ^c	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 ^c	46,600	127,200	173,800
	Total	55,436	169,810	225,246

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Table 22.–Page 5 of 5.

Year		Dublin, Bechevin, & Urilia		
		Izembek–Moffet Bay ^a	Bays & Swanson Lagoon ^{a,b}	Northwestern District total
2009	Catch	10,869	26,190	37,059
	Escapement ^c	39,300	49,700	89,000
	Total	50,169	75,890	126,059
2010	Catch	25,582	29,223	54,805
	Escapement ^c	12,700	36,400	49,100
	Total	38,282	65,623	103,905
2011	Catch	17,918	2,195	20,113
	Escapement ^c	10,200	38,700	48,900
	Total	28,118	40,895	69,013
2012	Catch	54,072	3,301	57,373
	Escapement ^c	28,270	51,100	79,370
	Total	82,342	54,401	136,743
2013	Catch	24,098	0	24,098
	Escapement ^c	16,200	26,500	42,700
	Total	40,298	26,500	66,798
2014	Catch	33,908	3,424	37,332
	Escapement	15,050	35,600	50,650
	Total	48,958	39,024	87,982
2015	Catch	31,705	0	31,705
	Escapement	16,260	56,200	72,460
	Total	47,965	56,200	104,165
2016	Catch	39,598	0	39,598
	Escapement	12,700	127,800	140,500
	Total	52,298	127,800	180,098
2006–2015 average	Catch	25,424	17,160	42,584
	Escapement ^c	25,838	53,426	79,264
	Avg. total	51,261	70,587	121,848

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

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

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

^c Escapements are estimated totals.

Table 23.–Emergency order summary for the North Alaska Peninsula commercial salmon fishery, 2016

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller – 1	8:00 p.m. June 12	6:00 a.m. June 13	Closure: The Port Moller Bight and Bear River sections will be closed to commercial salmon fishing from 6:00 a.m. Monday, June 13 until further notice.
Port Moller – 2	8:00 p.m. June 19	6:00 a.m. June 20	Closure: The Three Hills, Ilnik, and Outer Port Heiden sections will be closed to commercial salmon fishing from 6:00 a.m. Monday, June 20 until further notice.
Port Moller – 3	9:00 a.m. June 22	11:59 p.m. June 22	Closure: The Nelson Lagoon Section will close to commercial salmon fishing from 11:59 p.m. Wednesday, June 22 until further notice.
Port Moller – 4	8:00 p.m. June 22	6:00 a.m. June 25	<p>Closure: The commercial salmon fishing season will be closed in that portion of the Ilnik Section located west of 159° 46.00' W long from 6:00 a.m. Saturday, June 25 until further notice.</p> <p>Fishing Period: That portion of the Ilnik Section located east of 159° 46.00' W long, and the Outer Port Heiden Section will open to commercial salmon fishing from 6:00 a.m. Saturday, June 25 until 6:00 p.m. Monday June 27.</p> <p>Effective at 6:00 a.m. Saturday, June 25 until 6:00 a.m. Sunday, June 26, that portion of the Ilnik Section located southwest of Unangashak Bluffs will be closed to commercial salmon fishing from 3 nm to 1.5 nm. In the Outer Port Heiden Section, the closed waters at Reindeer Creek will be 1,000 yards from the stream terminus at the ocean shoreline effective at 6:00 a.m. Saturday, June 25 until 11:59 p.m. July 31.</p>
Port Moller – 5	9:00 a.m. June 27	6:00 p.m. June 27	Extension: That portion of the Ilnik Section located east of 159° 46.00' W long will remain open to commercial salmon fishing from 6:00 p.m. Monday, June 27 until 6:00 p.m. Wednesday, June 29.
Port Moller – 6	3:00 p.m. June 28	6:00 a.m. June 29	Fishing Period: The Nelson Lagoon Section will open to commercial salmon fishing from 6:00 a.m. Wednesday, June 29 until 11:59 p.m. Saturday, July 2.

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Table 23.–Page 2 of 7.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller – 7	9:00 a.m. June 29	6:00 p.m. June 29	Extension: That portion of the Ilnik Section located east of 159° 46.00' W long will remain open to commercial salmon fishing from 6:00 p.m. Wednesday, June 29 until 6:00 a.m. Friday, July 1.
Port Moller – 8	3:00 p.m. June 30	6:00 a.m. July 1	<p>Closure: The commercial salmon fishing season will be closed in that portion of the Three Hills Section located east of 159° 54.00' W long from 6:00 a.m. Friday, July 1 until further notice.</p> <p>Fishing Period: The remaining portion of the Three Hills Section, as well as the Port Moller Bight, and Bear River sections will open to commercial salmon fishing from 6:00 a.m. Friday, July 1 until 6:00 p.m. Sunday, July 3. The remaining portion of the Ilnik Section will remain open to commercial salmon fishing from 6:00 a.m. Friday, July 1 until 6:00 p.m. Sunday, July 3. The Outer Port Heiden Section will open to commercial salmon fishing from 6:00 a.m. Friday, July 1 until 6:00 p.m. Sunday, July 3.</p>
Port Moller – 9	3:00 p.m. July 2	11:59 p.m. July 2	Extension: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 pm Saturday, July 2 until 11:59 p.m. Thursday, July 7.
Port Moller – 10	9:00 a.m. July 3	6:00 p.m. July 3	Closure: The Port Moller Bight, Bear River, Three Hills, Ilnik, and Outer Port Heiden sections will close to commercial salmon fishing at 6:00 p.m. Sunday, July 3 until further notice.
Port Moller – 11	8:00 p.m. July 4	6:00 a.m. July 5	<p>Fishing Period: The remaining portion of the Three Hills Section, as well as the Port Moller Bight, and Bear River sections will open to commercial salmon fishing from 6:00 a.m. Tuesday July 5 until 6:00 p.m. Thursday, July 7.</p> <p>Closure: The commercial salmon fishing season will be closed in that portion of the Bear River Section located from the southern 1,000-yard marker at King Salmon River to the 2,000-yard northern regulatory marker at Sandy River from 6:00 a.m. Tuesday, July 5 until further notice.</p> <p>Fishing Period: The entire Ilnik Section will open to commercial salmon fishing from 6:00 a.m. Tuesday, July 5 until 6:00 p.m. Thursday, July 7.</p>

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Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller – 12	8:00 p.m. July 6	6:00 a.m. July 7	Fishing Period: The Outer Port Heiden Section will open to commercial salmon fishing from 6:00 a.m. Thursday, July 7 until 6:00 p.m. Saturday, July 9.
Port Moller – 13	9:00 a.m. July 7	11:59 p.m. July 7	Extension: The remaining portion of the Three Hills Section, as well as the Port Moller Bight, and Bear River sections will remain open to commercial salmon fishing from 6:00 p.m. Thursday, July 7 until 6:00 p.m. Saturday, July 9. The Ilnik Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, July 7 until 6:00 p.m. Saturday, July 9.
Port Moller – 14	8:00 p.m. July 7	6:00 a.m. July 8	Fishing Period: The commercial salmon fishing season will reopen in that portion of the Bear River Section located from the southern 1,000-yard regulatory marker at King Salmon River to the 2,000 yard northern regulatory marker at Sandy River from 6:00 a.m. Friday, July 8 until further notice. Effective at 6:00 a.m. Friday, July 8 until further notice, Sandy River will be open to the stream terminus at the ocean shoreline. All other regulatory markers in the Bear River Sections are as defined in regulation, and they are currently at 1,000 yards at Bear River, 1,000 yards at King Salmon River, and 500 yards at Franks Lagoon.
Port Moller – 15	9:00 a.m. July 9	6:00 p.m. July 9	Extension: The remaining portion of the Three Hills Section, as well as the Port Moller Bight, Bear River, and Ilnik sections will remain open to commercial salmon fishing from 6:00 p.m. Saturday, July 9 until 6:00 p.m. Wednesday, July 13.
Port Moller – 16	8:00 p.m. July 12	6:00 a.m. July 13	Fishing Period/Extension: The remaining portion of the Three Hills Section, as well as the Port Moller Bight, Bear River, and Ilnik sections, will remain open to commercial salmon fishing from 6:00 p.m. Wednesday, July 13 until 6:00 p.m. Friday, July 15. The Outer Port Heiden Section will open to commercial salmon fishing from 6:00 a.m. Wednesday, July 13 until 6:00 p.m. Friday, July 15.
Port Moller – 17	9:00 a.m. July 14	11:59 p.m. July 14	Extension: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Thursday, July 14 until 11:59 p.m. Thursday, July 21.

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Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller – 18	9:00 a.m. July 15	6:00 p.m. July 15	Extension: The remaining portion of the Three Hills and Ilnik sections, as well as the Port Moller Bight and Bear River sections will remain open to commercial salmon fishing from 6:00 p.m. Friday, July 15 until 6:00 p.m. Wednesday, July 20.
Port Moller – 19	3:00 p.m. July 17	6:00 p.m. July 18	Fishing Period: The Outer Port Heiden Section will open to commercial salmon fishing from 6:00 a.m. Monday, July 18 until 6:00 p.m. Wednesday, July 20.
Port Moller – 20	9:00 a.m. July 20	6:00 p.m. July 20	Extension: The remaining portion of the Three Hills and Ilnik sections, as well as the Port Moller Bight and Bear River sections will remain open to commercial salmon fishing from 6:00 p.m. Wednesday, July 20 until 6:00 p.m. Friday, July 22.
Port Moller – 21	8:00 p.m. July 20	11:59 p.m. July 21	Extension: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Thursday, July 21 until 11:59 p.m. Thursday, July 28.
Port Moller – 22	9:00 a.m. July 22	6:00 p.m. July 22	Extension: The remaining portion of the Three Hills and Ilnik sections, as well as the Port Moller Bight and Bear River sections will remain open to commercial salmon fishing from 6:00 p.m. Friday, July 22 until 6:00 p.m. Monday, July 25.
Cold Bay – 2	9:00 a.m. July 24	6:00 a.m. July 25	Fishing Period: The Uria Bay Section of the Northwestern District will open to commercial salmon fishing for from 6:00 a.m. Monday, July 25 until 6:00 p.m. Thursday, July 28.
Port Moller – 23	8:00 p.m. July 24	6:00 a.m. July 25	Extension: The remaining portion of the Three Hills and Ilnik sections, as well as the Port Moller Bight and Bear River sections will remain open to commercial salmon fishing from 6:00 p.m. Monday, July 25 until 6:00 p.m. Wednesday, July 27.
Port Moller – 24	9:00 a.m. July 27	6:00 p.m. July 27	Extension: The remaining portion of the Bear River and Three Hills sections, as well as the Port Moller Bight and Ilnik sections will remain open to commercial salmon fishing from 6:00 p.m. Wednesday, July 27 until 6:00 p.m. Friday, July 29.
Port Moller – 25	9:00 a.m. July 28	11:59 p.m. July 28	Extension: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Thursday, July 28 until 11:59 p.m. Saturday, July 30.

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Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller – 26	8:00 p.m. July 31	6:00 a.m. August 1	Closure: The Port Moller Bight, Bear River, Three Hills, and Ilnik sections will be closed to commercial salmon fishing from 6:00 a.m. Monday, August 1 until further notice.
Port Moller – 27	9:00 a.m. August 4	6:00 pm August 4	Closure/Extension: That portion of the Black Hills Section located west of 162° 25.00' W long will be closed to commercial salmon fishing from 6:00 p.m. Thursday, August 4 until 6:00 p.m. Friday, August 5. The remaining portion of the Black Hills Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, August 4 until 6:00 p.m. Friday, August 5.
Port Moller – 28	9:00 a.m. August 8	12:00 p.m. August 8	Fishing Period: The Port Moller Bight and Herendeen-Moller Bay sections will open to commercial salmon fishing from noon Monday, August 8 until further notice.
Port Moller – 29	3:00 p.m. August 8	6:00 a.m. August 9	<p>Closure: The commercial salmon fishing season in that that portion of the Bear River Section located from a 280° bearing perpendicular to the beach at the 500-yard southern regulatory marker at Frank's Lagoon to Cape Kutuzof at 160° 19.64' W long will be closed to commercial salmon fishing from 6:00 a.m. Tuesday, August 9 until further notice.</p> <p>Fishing Period: The remaining portion of the Bear River Section, Three Hills and Ilnik sections will open to commercial salmon fishing from 6:00 a.m. Tuesday, August 9 until 6:00 p.m. Friday, August 12.</p> <p>Fishing Season: The commercial salmon fishing season will open in that portion of the Three Hills Section that has been closed to commercial salmon fishing located east of 159° 54.00' W long from 6:00 a.m. Tuesday, August 9 until further notice.</p> <p>Fishing Season: The commercial salmon fishing season will open in that portion of the Ilnik Section that has been closed to commercial salmon fishing located west of 159° 46.00' W long will open to commercial salmon fishing from 6:00 a.m. Tuesday, August 9 until further notice.</p>

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Table 23.–Page 6 of 7.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller – 30	9:00 a.m. August 11	6:00 p.m. August 11	<p>Extension: The Black Hills Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, August 11 until 6:00 p.m. Friday, August 12.</p> <p>The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Thursday, August 11, until 11:59 p.m. Saturday, August 13.</p>
Port Moller – 31	9:20 a.m. August 11	6:00 p.m. August 11	<p>Closure: That portion of the Black Hills Section located west of 162° 25.00' W long will be closed to commercial salmon fishing from 6:00 p.m. Thursday, August 11 until 6:00 p.m. Friday, August 12.</p>
Port Moller – 32	9:00 a.m. August 12	6:00 p.m. August 12	<p>Extension: The Bear River, Three Hills, and Ilnik sections will remain open to commercial salmon fishing from 6:00 p.m. Friday, August 12 until 6:00 p.m. Thursday, August 18.</p>
Port Moller – 33	9:20 a.m. August 17	11:59 p.m. August 17	<p>Fishing Period: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Wednesday, August 17 until 11:59 p.m. Friday, August 19.</p>
Port Moller – 34	8:00 p.m. August 17	6:00 am August 18	<p>Fishing Period: The commercial salmon fishing season in the portion of the Bear River Section located from a 280° bearing perpendicular to the beach at the southern regulatory marker at Frank's Lagoon to Cape Kutuzof at 160° 19.64' W long will reopen to commercial salmon fishing from 6:00 a.m. Thursday, August 18 until further notice.</p> <p>Closed Waters: Effective at 6:00 a.m. Thursday, August 18 until further notice, commercial salmon fishing will not be permitted within 1,000 yards of the stream terminus at Bear River.</p> <p>Extension: The Bear River and Three Hills sections will remain open to commercial salmon fishing from 6:00 p.m. Thursday, August 18 until further notice. The Ilnik Section will remain open to commercial salmon fishing from 6:00 p.m. Thursday, August 18 until 6:00 p.m. Saturday, August 20,</p> <p>Extension: That portion of the Black Hills Section located west of 162° 25.00' W long will be closed to commercial salmon fishing from 6:00 p.m. Thursday August 18 until 6:00 p.m. Friday, August 19. The remaining portion of the Black Hills Section will</p>

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Table 23.–Page 7 of 7.

Emergency Order #	Issued:	Effective:	Action Taken:
			remain open to commercial salmon fishing from 6:00 p.m. Thursday, August 18 until 6:00 p.m. Friday, August 19.
Port Moller – 35	9:20 a.m. August 19	11:59 p.m. August 19	Extension: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Friday, August 19 until 11:59 p.m. Saturday, August 20.
Port Moller – 36	9:20 a.m. August 20	11:59 p.m. August 20	Extension: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Saturday, August 20 until 11:59 p.m. Wednesday, August 24.
Port Moller – 37	6:00 p.m. August 20	6:00 p.m. August 20	Extension: The Cinder River Section will remain open to commercial salmon fishing from 6:00 p.m. Saturday, August 20 until further notice.
Port Moller – 38	9:00 a.m. August 24	6:00 p.m. August 24	Extension: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Wednesday, August 24 until 11:59 p.m. Friday, August 26. The Ilnik Section will remain open to commercial salmon fishing from 6:00 p.m. Wednesday, August 24, until 6:00 p.m. Friday, August 26.
Port Moller – 39	9:00 a.m. August 26	11:59 p.m. August 26	Extension: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Friday, August 26 until 11:59 p.m. Wednesday, August 31.
Port Moller – 40	9:00 a.m. August 31	6:00 p.m. August 31	Extension: The Nelson Lagoon Section will remain open to commercial salmon fishing from 11:59 p.m. Wednesday, August 31 until 11:59 p.m. Saturday, September 3. The Ilnik Section will remain open to commercial salmon fishing from 6:00 p.m. Wednesday, August 31 until 6:00 p.m. Saturday, September 3.
Sand Point – 23	9:00 a.m. September 2	9:00 a.m. September 3	The Izembek–Moffet Bay Section of the Northwestern District will open to commercial salmon fishing for from 9:00 a.m. Saturday, September 3 until 8:00 p.m. Monday, September 5.

Table 24.–Nelson Lagoon Section salmon harvest by species and day, 2016.

Catch date ^a	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
6-Jun	13	13	11	739	0	0	0
7-Jun	13	13	23	815	0	0	0
8-Jun	11	11	8	1,119	0	0	0
9-Jun thru 12-Jun ^b	0	-	-	-	-	-	-
13-Jun	19	19	106	2,885	0	0	0
14-Jun	19	19	131	3,280	0	0	0
15-Jun	18	18	115	3,358	0	0	0
16-Jun	15	15	74	2,690	0	0	0
17-Jun thru 19-Jun ^b	0	-	-	-	-	-	-
20-Jun	22	22	187	11,408	0	0	0
21-Jun	22	22	157	7,790	0	0	0
22-Jun	21	21	189	7,567	0	0	0
23-Jun thru 28-Jun ^b	0	-	-	-	-	-	-
29-Jun	22	22	47	3,388	0	0	0
30-Jun	23	23	22	4,861	0	0	0
1-Jul	22	22	28	4,083	0	0	0
2-Jul	24	24	24	5,370	0	0	0
3-Jul	26	26	33	7,262	0	0	0
4-Jul	26	26	17	9,384	0	0	0
5-Jul	26	26	8	9,676	0	0	0
6-Jul	25	25	3	6,190	0	0	0
7-Jul	25	25	1	9,376	0	0	0
8-Jul	27	27	0	11,327	0	0	0
9-Jul	27	27	1	9,502	0	0	0
10-Jul	27	35	1	11,196	0	0	0
11-Jul	26	26	0	9,914	0	0	0
12-Jul	28	28	0	10,203	0	0	0
13-Jul	26	26	1	7,096	0	0	0
14-Jul	23	23	0	5,724	0	0	0
15-Jul	26	26	0	7,739	0	0	0
16-Jul	26	26	0	7,960	0	0	50
17-Jul	26	26	1	10,007	0	0	160
18-Jul	26	26	0	11,610	0	0	219
19-Jul	25	25	0	9,724	1	0	181
20-Jul	25	25	0	8,099	2	0	282
21-Jul	26	26	0	9,981	0	0	303
22-Jul	24	24	0	6,389	0	0	165
23-Jul	20	20	0	5,926	0	0	118
24-Jul	16	16	0	3,756	0	0	37
25-Jul	19	19	0	6,099	0	0	222
26-Jul	19	19	0	7,892	0	0	547
27-Jul	20	20	0	4,239	0	0	535

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Table 24. – Page 2 of 2.

Catch date ^a	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
28-Jul	22	22	0	2,988	11	-	498
29-Jul	18	18	0	3,620	16	-	612
30-Jul	15	15	0	2,908	5	-	754
31-Jul ^b	0	-	0	-	-	-	-
1-Aug	21	21	0	3,825	10	-	266
2-Aug	22	22	0	4,823	30	-	330
3-Aug	18	18	0	2,957	17	-	345
4-Aug	11	11	0	1,900	81	-	301
5-Aug	7	7	0	931	107	-	160
6-Aug	6	6	0	900	35	-	174
7-Aug ^b	0	-	-	-	-	-	-
8-Aug	10	10	0	1,021	101	-	153
9-Aug	10	10	0	2,433	314	-	140
10-Aug	13	13	0	2,164	535	24	115
11-Aug	13	13	0	1,247	495	30	67
12-Aug	9	9	0	562	188	1	26
13-Aug	8	8	0	687	388	4	63
14-Aug ^b	0	-	-	-	-	-	-
15-Aug	12	12	0	471	363	2	32
16-Aug	4	4	0	150	96	0	27
17-Aug	4	4	0	123	151	0	25
18-Aug	5	5	0	187	95	0	41
19-Aug	6	6	0	327	448	11	11
20-Aug	4	4	0	128	219	0	8
21-Aug ^c	0	-	-	-	-	-	-
22-Aug	9	9	0	426	877	0	0
23-Aug	7	7	0	392	1,808	13	0
24-Aug	11	11	0	228	2,749	10	0
25-Aug	11	11	0	386	3,233	0	0
26-Aug	10	10	0	73	2,211	6	0
27-Aug	10	10	0	127	2,130	0	0
28-Aug	10	10	0	87	2,755	0	0
29-Aug	8	8	0	34	2,021	0	0
30-Aug	9	9	0	50	1,766	0	0
31-Aug	7	7	0	5	776	0	0
1-Sep	9	9	0	2	1,307	0	0
2-Sep	6	6	0	0	978	0	0
3-Sep	5	5	0	0	993	0	0
Total	31	1,232	1,188	301,786	27,312	101	6,967

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

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

^b Fishery closed.

^c No fishing effort occurred during this time period.

Table 25.–Bear River Section salmon harvest by species and day, 2016.

Catch date ^a	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
6-Jun	6	6	41	34	0	0	0
7-Jun ^b	-	-	-	-	-	-	-
8-Jun to 30-Jun ^c	0	-	-	-	-	-	-
1-Jul	21	26	15	9,182	0	2	22
2-Jul	16	27	25	27,538	0	0	194
3-Jul ^d	0	-	-	-	-	-	-
4-Jul ^c	0	-	-	-	-	-	-
5-Jul	9	11	3	5,378	0	0	205
6-Jul	12	20	1	13,131	0	1	177
7-Jul	14	14	0	8,114	0	0	211
8-Jul	18	19	1	12,273	0	0	37
9-Jul	8	8	0	6,173	0	0	140
10-Jul	18	20	0	13,039	0	3	330
11-Jul	11	14	1	9,206	0	0	129
12-Jul	21	30	1	17,558	0	28	385
13-Jul	7	7	0	3,275	0	0	0
14-Jul	16	23	2	8,626	0	3	440
15-Jul	18	22	0	10,441	0	0	230
16-Jul	13	21	0	10,277	2	0	227
17-Jul	6	6	0	2,288	0	0	135
18-Jul	18	24	1	10,191	0	0	462
19-Jul	20	22	2	10,341	2	0	179
20-Jul	16	23	0	9,813	0	0	100
21-Jul	4	4	0	2,007	5	0	-
22-Jul ^d	0	-	-	-	-	-	-
23-Jul	3	3	0	944	0	0	64
24-Jul ^b	-	-	-	-	-	-	-
25-Jul	14	14	1	7,833	0	0	168
26-Jul	15	19	0	6,748	2	0	198
27-Jul	14	14	0	4,051	3	0	40
28-Jul	11	13	0	3,849	4	0	222
29-Jul to 8-Aug ^c	0	-	-	-	-	-	-
9-Aug	17	19	1	4,678	34	40	85
10-Aug	16	20	0	6,906	46	25	47
11-Aug ^d	0	-	-	-	-	-	-
12-Aug	9	13	0	843	7	44	17
13-Aug	5	5	0	614	13	27	15
14-Aug ^d	0	-	-	-	-	-	-
15-Aug	8	8	0	1,554	46	7	10
16-Aug	4	4	0	902	34	22	10
17-Aug	4	4	0	215	11	0	2
18-Aug	22	23	0	3,033	80	41	79
19-Aug	26	32	0	3,123	318	34	107
20-Aug ^d	0	-	-	-	-	-	-

-continued-

Table 25.–Page 2 of 2.

Catch date ^a	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
21-Aug ^b	-	-	-	-	-	-	-
22-Aug	11	14	0	4,951	139	61	55
23-Aug	12	13	1	3,997	180	58	48
24-Aug	8	11	0	3,035	154	42	30
25-Aug	16	19	0	4,767	986	69	39
26-Aug ^d	0	-	-	-	-	-	-
27-Aug	8	8	0	1,526	282	13	14
28-Aug ^b	-	-	-	-	-	-	-
29-Aug ^d	0	-	-	-	-	-	-
30-Aug ^b	-	-	-	-	-	-	-
31-Aug	6	6	0	362	252	0	1
1-Sep	7	8	0	1,361	640	0	-
Total ^e	94	624	101	255,837	3,585	520	4,890

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

^a By regulation, the commercial fishing season for the Bear River Section is from May 1 to September 30

^b Confidentiality rules prohibit the release of this information

^c Fishery closed.

^d No commercial fishing effort on this date.

^e Total includes information not provided due to confidentiality requirements.

Table 26.—North Alaska Peninsula salmon test fish catches, 2001–2016.

Year	Number of Salmon					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	-	-	-	-	-	-
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
2006–2015 Average	3	2,412	15	15	110	2,555

Note: A test fishery did not occur in 2012.

Table 27.—Three Hills Section salmon harvest by species and day, 2016.

Catch date ^a	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
25-Jun thru 30-Jun ^b	-	-	-	-	-	-	-
1-Jul	6	6	6	2,701	0	0	0
2-Jul ^c	-	-	-	-	-	-	-
3-Jul ^d	0	-	-	-	-	-	-
4-Jul ^b	-	-	-	-	-	-	-
5-Jul ^d	0	-	-	-	-	-	-
10-Jul ^c	-	-	-	-	-	-	-
11-Jul	4	4	0	1,768	0	0	0
12-Jul thru 15-Jul ^d	-	-	-	-	-	-	-
16-Jul	3	3	0	1,987	0	0	15
17-Jul	4	7	0	3,735	0	0	30
18-Jul	3	3	0	1,500	0	0	15
19-Jul	9	9	0	4,220	0	22	18
20-Jul to 25-Jul ^d	0	-	-	-	-	-	-
26-Jul	4	4	0	1,362	0	0	20
27-Jul	9	9	0	3,970	0	0	0
28-Jul ^c	-	-	-	-	-	-	-
29-Jul to 8-Aug ^b	0	-	-	-	-	-	-
9-Aug	8	9	0	2,357	24	13	19
10-Aug	12	14	0	4,627	45	150	164
11-Aug ^d	0	-	-	-	-	-	-
12-Aug	12	12	1	3,183	115	24	29
13-Aug ^d	0	-	-	-	-	-	-
15-Aug	4	4	0	453	31	1	7
16-Aug thru 17-Aug ^c	-	-	-	-	-	-	-
18-Aug	8	8	0	2,192	90	99	15
19-Aug ^c	-	-	-	-	-	-	-
20-Aug	3	3	0	811	64	0	6
21-Aug to 22-Aug ^d	0	-	-	-	-	-	-
23-Aug	5	5	0	2,458	110	55	20
24-Aug	3	3	0	960	63	15	19
25-Aug	3	4	0	1,171	173	37	16
26-Aug	3	3	0	1,010	129	0	11
27-Aug	25	25	0	2,680	1,518	58	5
28-Aug	14	14	0	3,459	632	0	9
29-Aug ^c	-	-	-	-	-	-	-
30-Aug	6	6	0	1,702	595	0	0
31-Aug	9	9	0	1,864	827	0	10
1-Sep	4	4	0	839	178	0	5
2-Sep ^c	-	-	-	-	-	-	-
Total ^e	61	184	7	57,919	4,715	491	500

-continued-

Table 27.--Page 2 of 2.

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

^a By regulation, the commercial fishing season for the Three Hills Section is June 25 through September 30.

^b Fishery closed.

^c Confidentiality rules prohibit the release of this information. No fishing effort in this time period.

^d No fishing effort occurred in this time period.

^e Total includes information omitted due to confidentiality requirements.

Table 28.—Ilnik Section salmon harvest by species and day, 2016.

Catch date ^a	Permits	Landings	Number of fish				
			Chinook	Sockeye	Coho	Pink	Chum
20-Jun to 24-Jun ^b	-	-	-	-	-	-	-
25-Jun	76	118	96	158,715	0	28	245
26-Jun	65	81	79	95,153	0	21	185
27-Jun	43	55	14	54,453	0	0	28
28-Jun	106	184	107	140,763	0	59	479
29-Jun	49	55	22	52,395	0	3	132
30-Jun	108	178	49	129,665	0	12	368
1-Jul	14	14	13	7,817	0	0	4
2-Jul	73	109	20	151,901	0	7	389
3-Jul	6	6	3	4,458	0	0	-
4-Jul ^b	-	-	-	-	-	-	-
5-Jul	108	175	27	146,108	0	0	140
6-Jul	65	93	4	76,197	0	2	49
7-Jul	49	102	9	88,261	0	10	234
8-Jul	54	61	2	47,641	0	2	132
9-Jul	76	101	4	84,413	0	0	53
10-Jul	34	43	0	34,899	0	0	42
11-Jul	89	162	5	121,786	0	15	42
12-Jul	49	71	6	57,129	3	95	64
13-Jul	58	88	2	59,739	0	0	15
14-Jul	45	55	1	39,818	0	0	0
15-Jul	62	76	1	57,309	0	0	13
16-Jul	48	61	2	44,328	0	0	0
17-Jul	49	76	3	57,499	0	0	30
18-Jul	46	73	3	54,937	0	40	82
19-Jul	39	53	1	38,537	0	0	25
20-Jul	34	42	0	33,989	0	7	22
21-Jul	63	114	1	90,042	3	3	16
22-Jul	29	31	1	23,294	1	20	12
23-Jul	25	29	0	33,205	8	2	10
24-Jul	10	13	0	9,291	2	0	0
25-Jul	26	27	0	11,279	4	0	5
26-Jul	35	39	0	15,285	8	20	46
27-Jul	19	19	0	5,779	0	0	2
28-Jul	15	15	0	4,293	2	2	15
29-Jul	21	21	0	17,310	29	10	35
30-Jul ^b	-	-	-	-	-	-	-
9-Aug	18	18	0	4,191	48	0	2
10-Aug	30	41	1	14,895	310	695	141
11-Aug	31	31	0	10,745	421	1,203	61
12-Aug	29	31	0	8,519	623	677	35
13-Aug	25	25	1	10,408	703	620	88
14-Aug ^c	0	-	-	-	-	-	-
15-Aug	32	33	0	8,481	724	458	57
16-Aug	32	37	0	9,023	1,272	830	99
17-Aug	25	25	0	6,804	1,449	290	59

-continued-

Table 28.–Page 2 of 2

Catch date ^a	Number of fish						
	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
18-Aug	16	16	0	2,567	976	118	5
19-Aug	16	20	0	3,147	225	145	24
20-Aug ^d	-	-	-	-	-	-	-
21-Aug ^b	-	-	-	-	-	-	-
22-Aug	20	20	0	6,356	2,646	342	9
23-Aug	28	32	1	7,751	3,541	1,226	26
24-Aug	24	24	0	6,047	3,439	421	2
25-Aug	10	10	0	1,647	1,784	89	7
26-Aug	28	35	0	7,189	3,911	531	
27-Aug	19	19	0	2,306	1,891	63	6
28-Aug ^b	-	-	-	-	-	-	-
29-Aug	12	12	0	1,765	746	0	7
30-Aug	14	14	0	3,012	3,047	0	0
31-Aug	15	18	0	2,395	4,045	15	7
1-Sep	8	8	0	860	1,030	0	0
2-Sep thru 3-Sep ^d	-	-	-	-	-	-	-
Total	120	2,916	478	2,168,297	34,353	8,414	3,555

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

^a Prior to June 20, only Ilnik Lagoon is open to commercial salmon fishing in the Ilnik Section.

^b Fishery closed.

^c No fishing effort in this time period.

^d Confidentiality rules prohibit the release of this information.

Table 29.—Outer Port Heiden Section salmon harvest by species and day, 2016.

Catch date ^a	Permits	Landings	Number of fish					
			Chinook	Sockeye	Coho	Pink	Chum	
20-Jun thru 24-Jun ^b								
25-Jun	22	26	37	14,778	0	73	83	
26-Jun	4	7	7	7,512	0	0	69	
27-Jun	7	7	10	6,337	0	0	64	
28-Jun thru 30-Jun ^b	-	-	-	-	-	-	-	
1-Jul	39	46	8	50,256	0	0	31	
2-Jul	40	75	6	117,529	0	0	210	
3-Jul	11	11	0	15,169	0	0	0	
4-Jul thru 6-Jul ^b	-	-	-	-	-	-	-	
7-Jul	52	85	1	70,404	0	0	23	
8-Jul	7	7	0	4,676	0	0	0	
9-Jul	35	36	0	25,757	0	0	7	
10-Jul thru 12-Jul ^b	-	-	-	-	-	-	-	
13-Jul	53	83	1	66,706	1	0	21	
14-Jul	21	25	1	22,248	0	0	0	
15-Jul	51	73	0	58,198	0	0	11	
16-Jul thru 17-Jul ^b	-	-	-	-	-	-	-	
18-Jul	43	71	1	56,019	0	0	0	
19-Jul	35	71	0	56,670	1	0	20	
20-Jul	4	4	1	2,460	0	0	3	
21-Jul thru 24-Jul ^b	-	-	-	-	-	-	-	
25-Jul	41	64	0	35,527	0	0	14	
26-Jul	12	13	1	7,060	0	0		
27-Jul	31	39	1	15,168	2	15	4	
Total	84	743	75	632,474	5	88	560	

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

^a By regulation, the commercial fishing season for Outer Port Heiden Section is June 20 through July 31.

^b Fishery closed.

Table 30.—Alaska Peninsula (Area M) and Bristol Bay (Area T) overlap area commercial salmon catch, in number of fish by gear and permit, 1975–2016.

Drift Gillnet														
Year	Area M							Area T						
	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
1975	0	0	0	0	0	0	0	6	45	182	0	4,701	0	0
1976	0	0	0	0	0	0	0	10	92	1,158	333	3,897	0	73
1977	0	0	0	0	0	0	0	15	128	1,532	688	9,336	0	73
1978 ^a	-	-	-	-	-	-	-	26	233	6,947	315	17,581	0	202
1979 ^a	-	-	-	-	-	-	-	21	211	4,493	340	13,203	0	5
1980 ^a	-	-	-	-	-	-	-	25	269	4,073	932	24,846	1	16
1981 ^a	-	-	-	-	-	-	-	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 ^a	-	-	-	-	-	-	-	24	162	1,141	1,366	17,341	0	32
1987 ^a	-	-	-	-	-	-	-	38	383	2,691	863	33,019	67	460
1988 ^a	-	-	-	-	-	-	-	46	407	4,936	3,155	40,956	6	2,857
1989 ^a	-	-	-	-	-	-	-	52	309	2,359	1,256	37,688	5	457
1990 ^a	-	-	-	-	-	-	-	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 ^a	-	-	-	-	-	-	-	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 ^a	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Table 30.–Page 2 of 3.

Drift Gillnet (continued)														
Year	Area M							Area T						
	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
2003	0	0	0	0	0	0	0	4	4	0	0	2,072	0	0
2004 ^a	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	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 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0
2014 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0

Set Gillnet														
Year	Area M							Area T						
	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
1975 ^a	5	37	186	643	716	0	17							
1976	7	105	166	4,025	668	0	892	6	60	172	618	1,253	0	177
1977	5	52	691	1,960	861	0	1,129	8	34	272	776	530	0	106
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

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Table 30.–Page 3 of 3.

Set Gillnet (continued)														
Year	Area M							Area T						
	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
1987 ^a	-	-	-	-	-	-	-	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
1995	3	20	14	3,057	3,021	0	109	12	64	512	87	7,090	0	2
1996 ^a	-	-	-	-	-	-	-	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 ^a	-	-	-	-	-	-	-	7	51	0	71	6,341	2	1
1999 ^a	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000 ^a	-	-	-	-	-	-	-	3	6	0	0	787	3	0
2001 ^a	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2002 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0
2003 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2005 ^a	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0
2008 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0
2009 ^a	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 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0
2014 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016 ^a	-	-	-	-	-	-	-	0	0	0	0	0	0	0

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

^a Confidentiality requirements prohibit releasing this information.

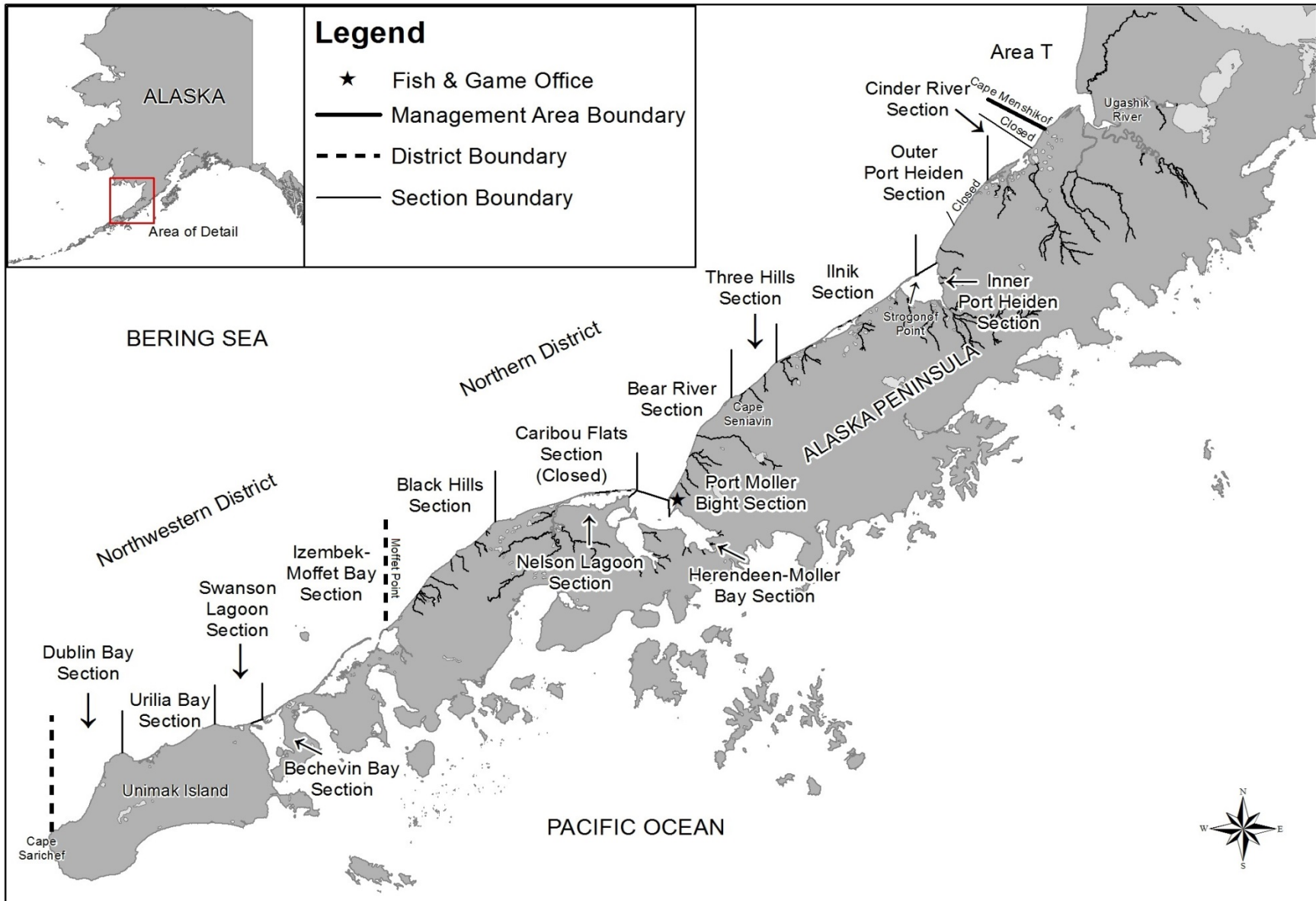


Figure 1.—Map of Alaska Peninsula with North Peninsula commercial salmon fishing districts.

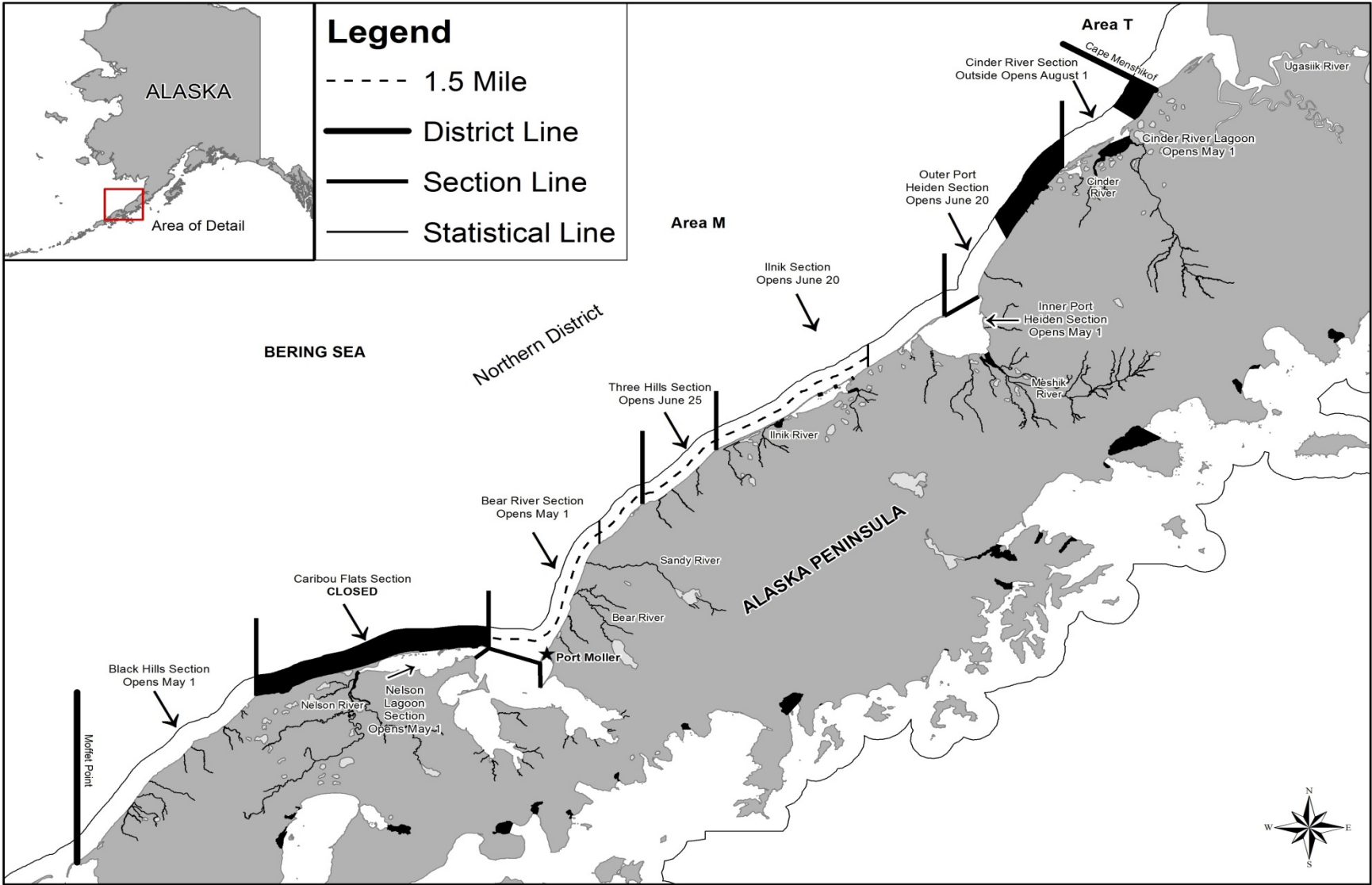


Figure 2.—North Alaska Peninsula from Moffet Point to Cape Menshikof, with selected commercial salmon fishing sections, season opening dates, and major sockeye salmon systems.

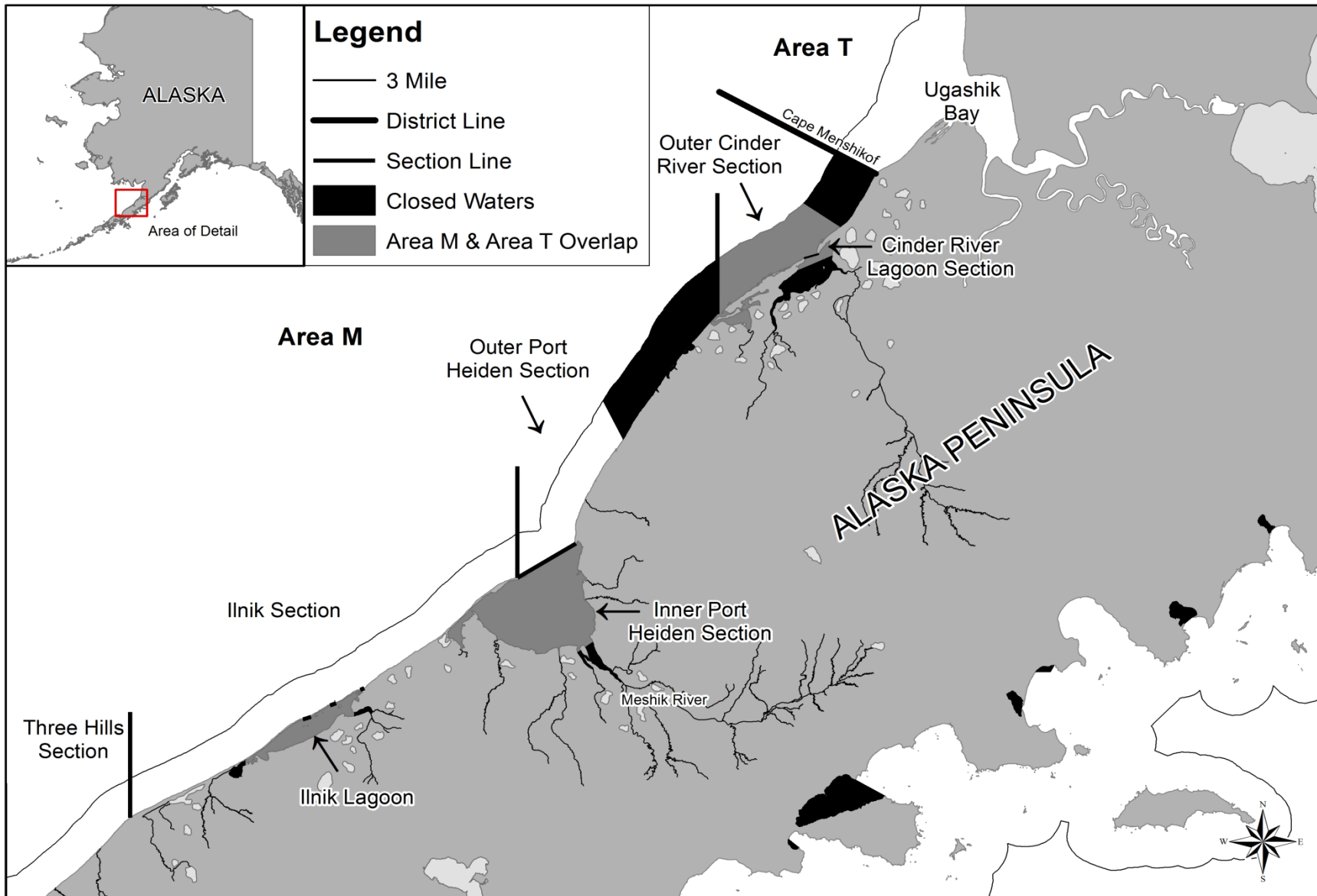


Figure 3.—Alaska Peninsula (Area M) and Bristol Bay (Area T) commercial salmon fishing overlap areas.

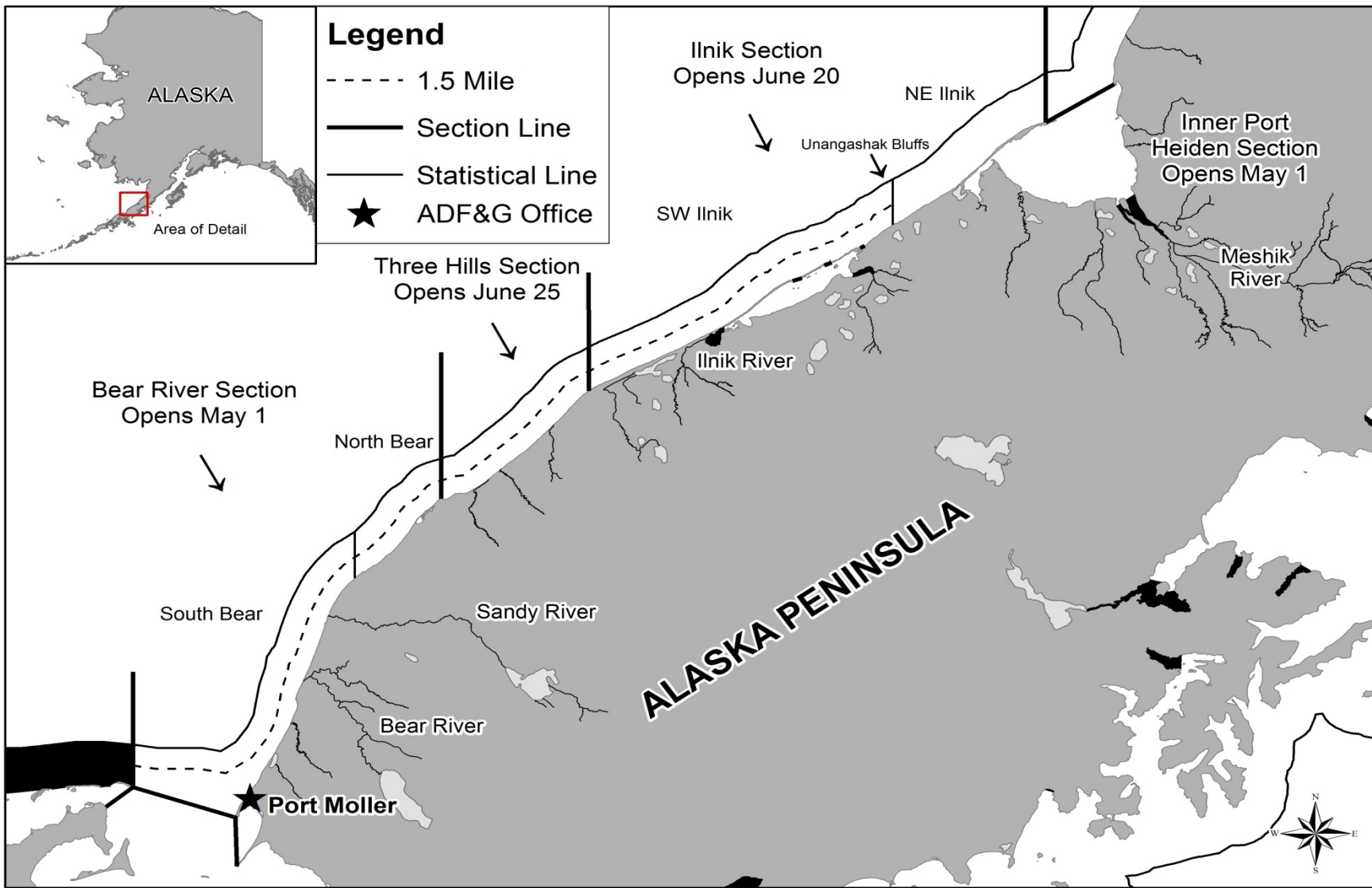


Figure 4.—Map of the 5 fishing areas with moving closed water restrictions from the 3 mile boundary line shoreward to 1.5 miles from June 20–July 31.

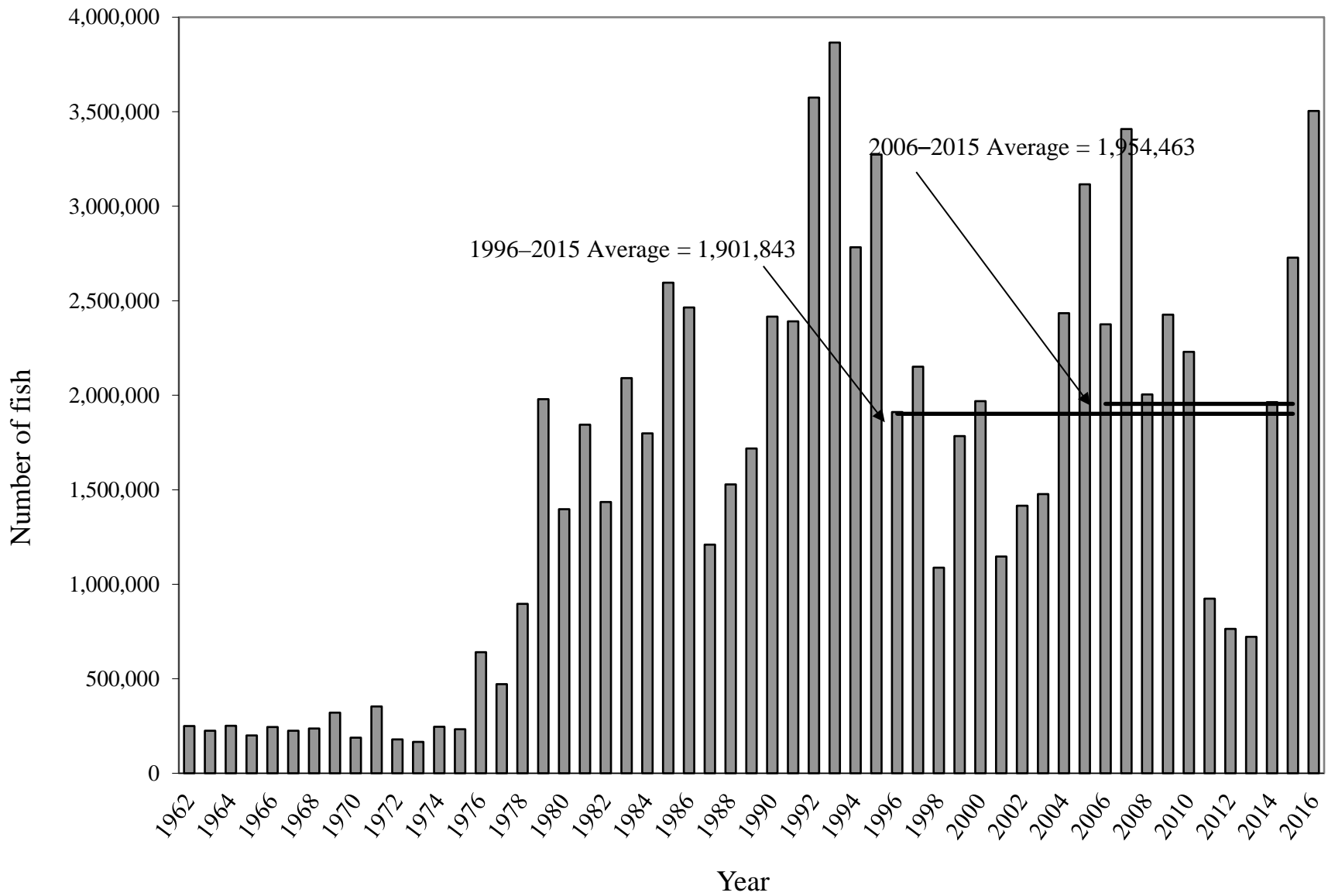


Figure 5.—North Alaska Peninsula commercial sockeye salmon harvest, 1962–2016.

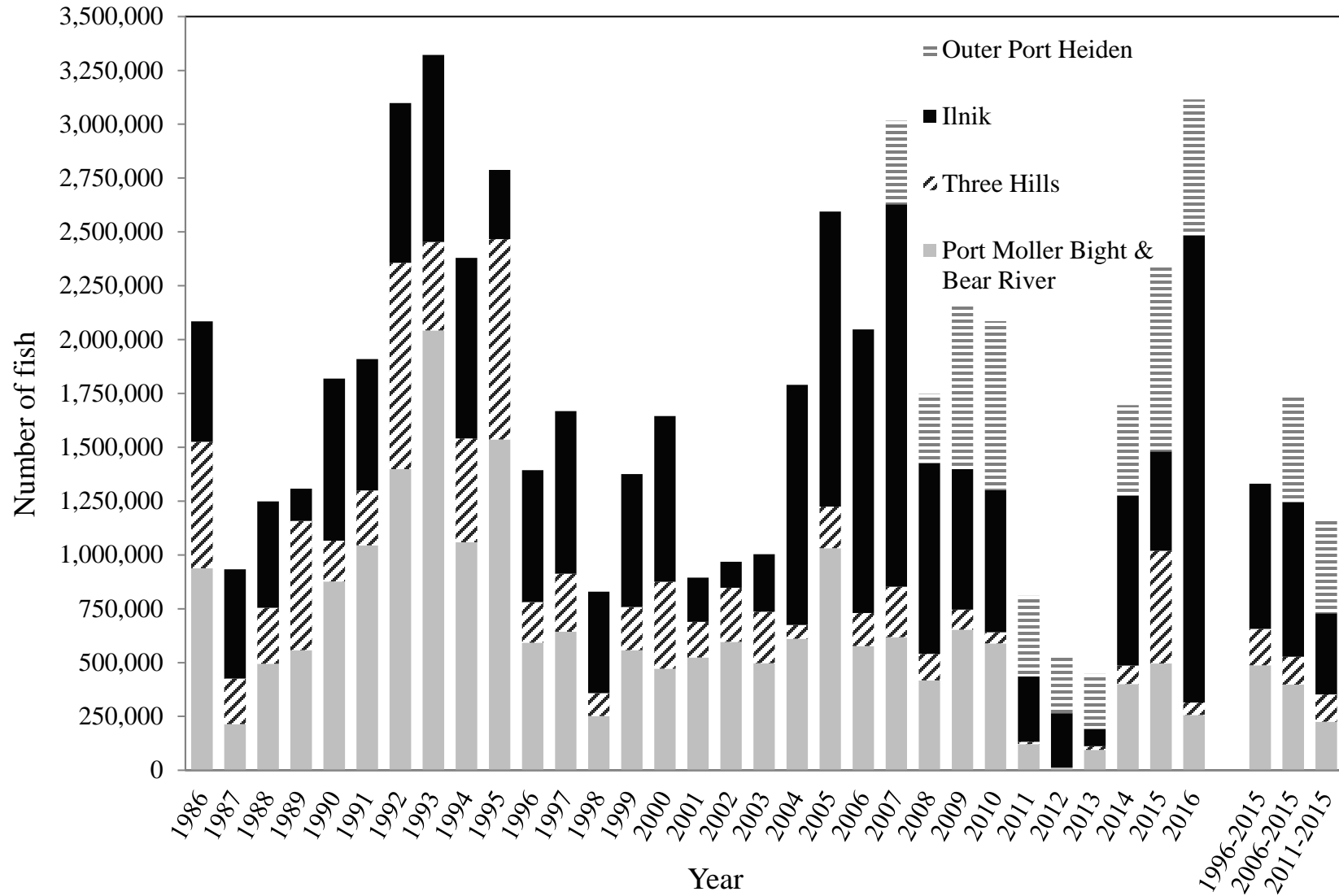


Figure 6.—Port Moller Bight, Bear River, Three Hills, Ilnik and Outer Port Heiden sections commercial sockeye salmon harvest, 1986–2016.

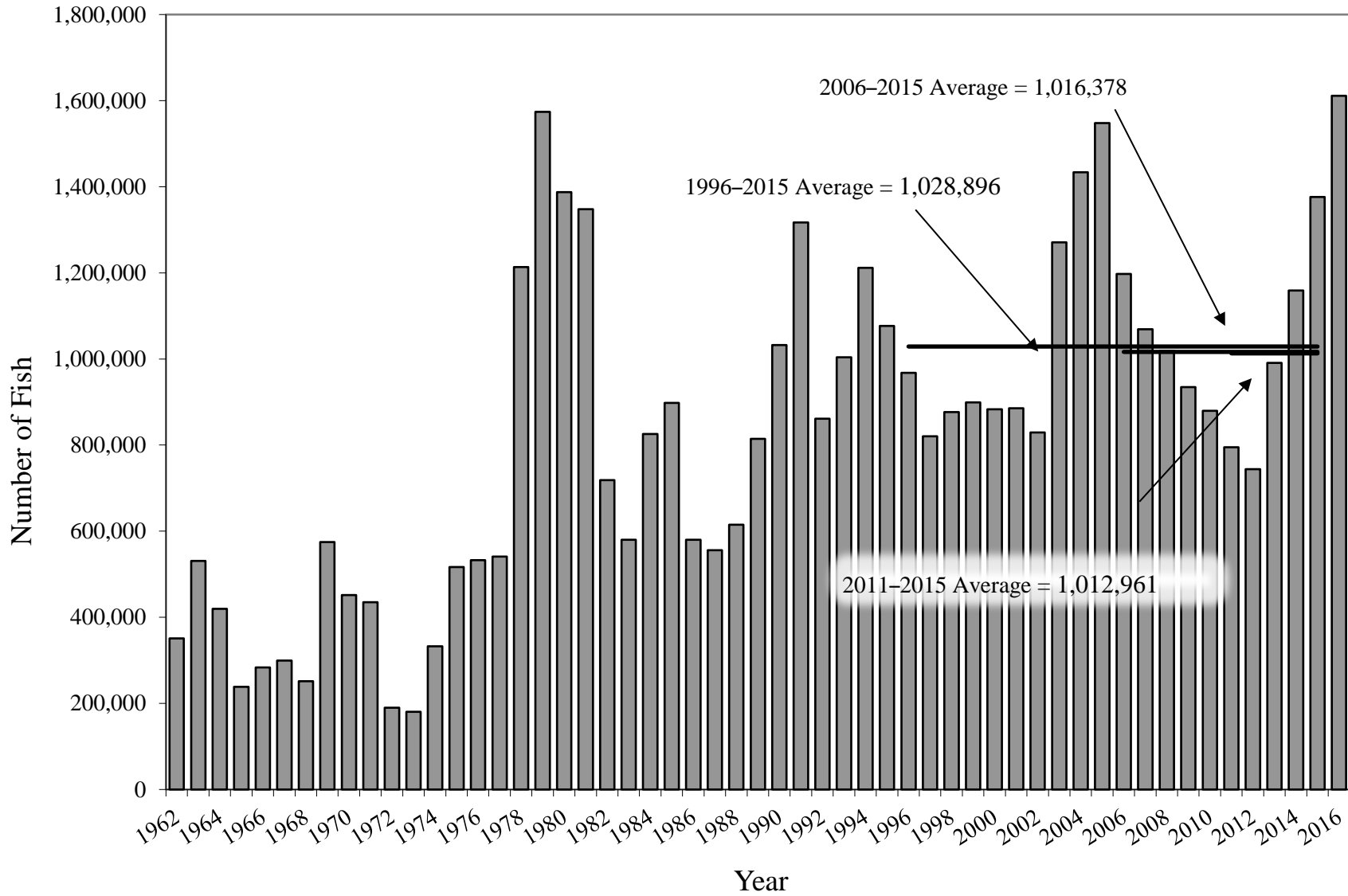


Figure 7.—North Alaska Peninsula sockeye salmon escapement, 1962–2016.

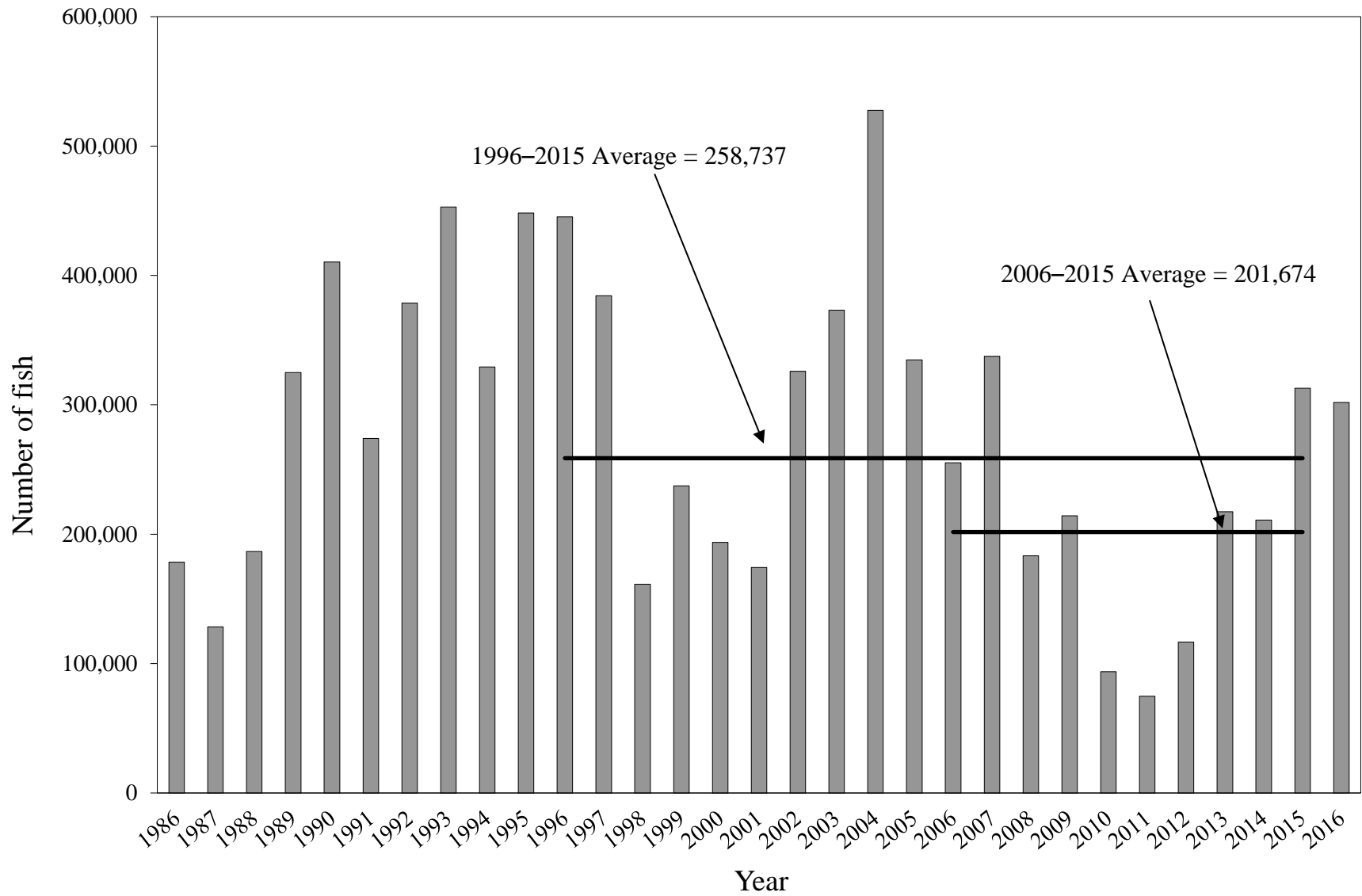


Figure 8.—Nelson Lagoon commercial sockeye salmon harvest, 1986–2016.

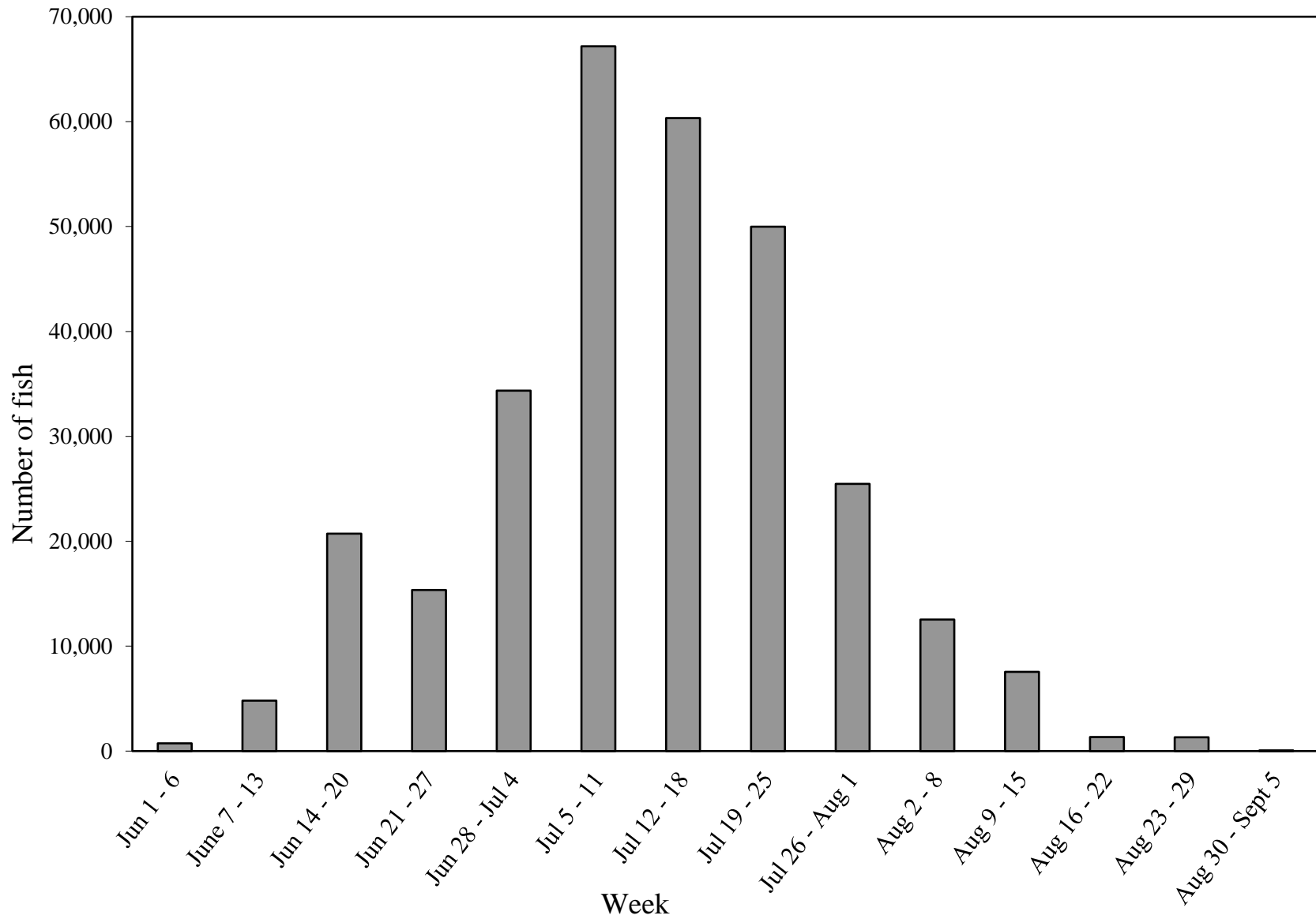


Figure 9.—Nelson Lagoon commercial sockeye salmon harvest by stat week, 2016.

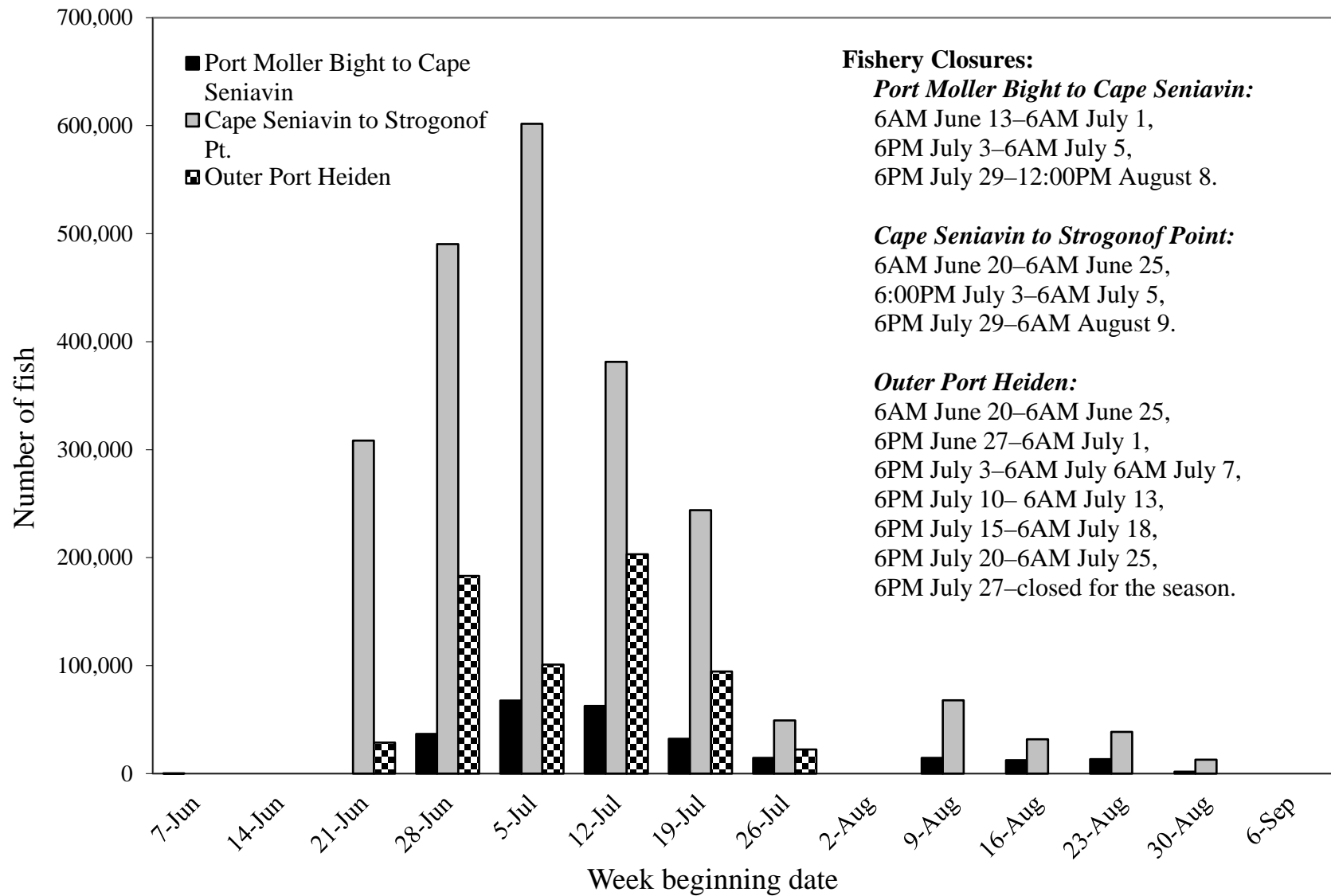


Figure 10.—Port Moller to Cape Seniavin, Cape Seniavin to Strogonof Point, and Outer Port Heiden sockeye salmon catch by stat week, 2016.

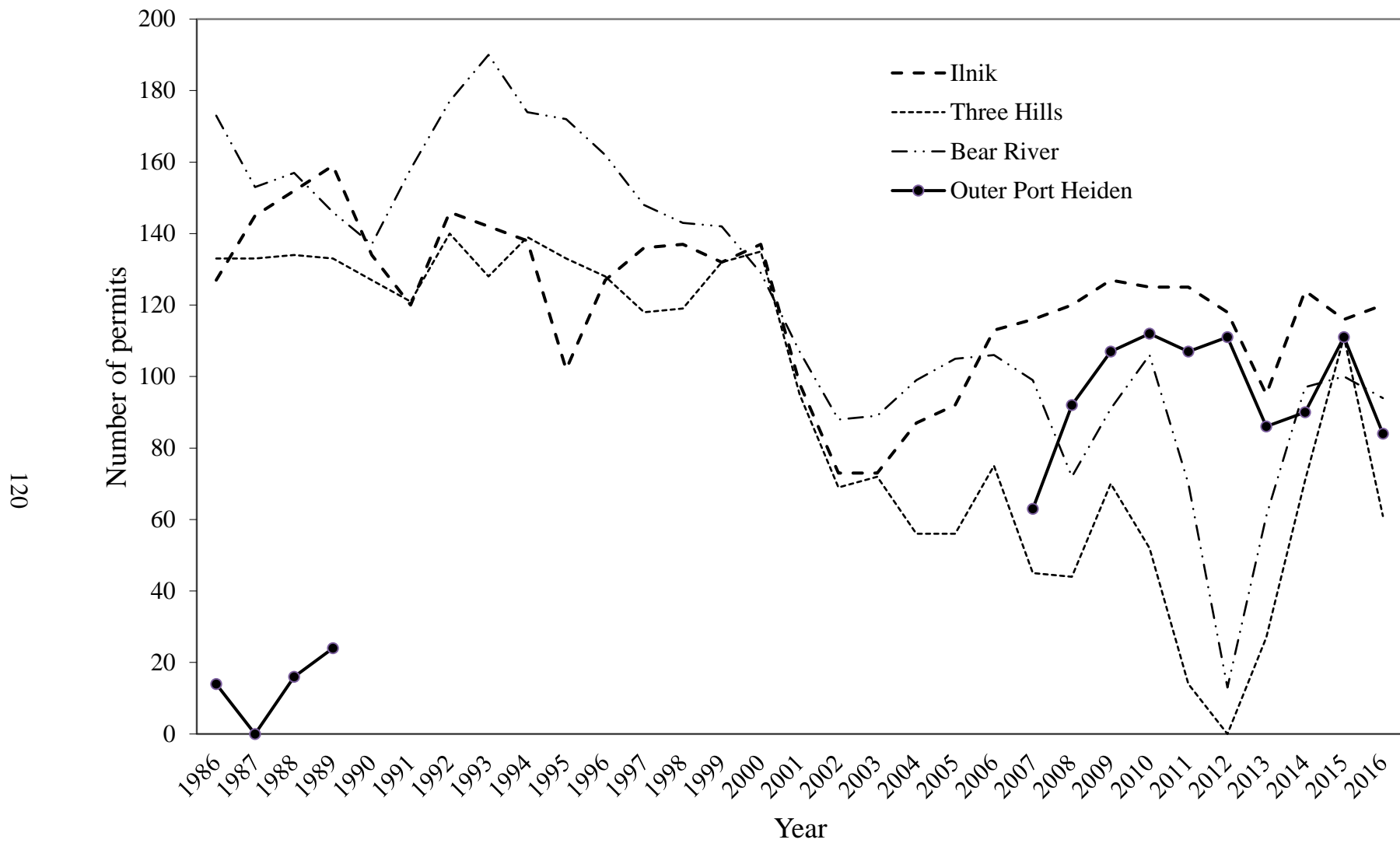


Figure 11.—Number of permits fished in the Ilnik, Three Hills, Bear River, and Outer Port Heiden sections, 1986–2016.

**APPENDIX A. NORTH ALASKA PENINSULA SALMON
ESCAPEMENT, 2016**

Appendix A1.–North Alaska Peninsula estimated total escapement for Chinook, sockeye, pink, and chum salmon, and peak escapement counts for coho salmon, 2016.

Northwestern District		Number of salmon ^a				
Stream #	Stream name	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	111,700	0	0	0
311-30.08	Christianson Lagoon	0	0	0	0	0
Christianson Lagoon System total		0	111,700	0	0	0
311-30.09	Mudhole	0	0	0	0	0
311-30.10	Clear Lagoon	0	13,100	0	0	0
Peterson Lagoon System total		0	13,100	0	0	0
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	124,800	0	0	0
Swanson Lagoon Section						
311-50.01	Big River	0	0	0	0	0
311-50.02	Swanson Lagoon System	0	3,000	0	0	0
Total Swanson Lagoon Section		0	3,000	0	0	0
Bechevin Bay Section						
311-60.01	St. Catherine Cove	0	0	0	1,400	36,600
311-60.06	Anderson's Creek	0	0	0	300	2,000
311-60.07 & .08	Trader's Cove	0	0	0	250	650
311-60.12	Warm Springs Bay	0	0	0	0	0
311-60.13	Hungry's Creek	0	0	0	2,800	0
311-60.18	Lampsport Lagoon	0	0	0	0	0
Total Bechevin Bay Section		0	0	0	4,750	39,250
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	2,600
312-20.03	Norma Bay, South	0	1,400	0	26,500	24,100
312-20.04	Third Bridge Creek	0	700	0	3,000	2,500
312-20.05	Frosty Creek	0	0	500	0	17,500
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	2,100	500	29,500	46,700
312-40.01	Joshua Green River	0	10,600	1,500	0	27,300
312-40.02	Moffet Springs Creek	0	0	0	0	0
312-40.03	Moffet Creek	0	0	0	0	0
312-40.04	Unnamed	0	0	0	0	0
312-40.05	Unnamed	0	0	0	0	0
Moffet Bay total		0	10,600	1,500	0	27,300
Total Izembek-Moffet Bay Section		0	12,700	2,000	29,500	74,000
Northwestern District total		0	140,500	2,000	34,250	113,250

-continued-

Northern District		Number of salmon ^a				
Stream #	Stream name	Chinook	Sockeye	Coho	Pink	Chum
Black Hills Section						
313-10.02	North Creek	900	21,000	4,000	0	6,000
313-10.05	Cathedral River	0	0	0	0	0
313-10.06	Russian (Trader Mtn.) River	0	600	200	3,500	5,000
313-10.09	AMOCO Airstrip Creek	0	0	0	800	1,200
313-10.11	Black Hills Creek	200	0	1,800	3,000	2,000
313-10.14	Steelhead Creek	400	2,000	900	3,000	2,000
313-10.15	Mainshak Creek	0	0	300	0	0
Total Black Hills Section		1,500	23,600	7,200	10,300	16,200
Nelson Lagoon Section						
313-30.01 & 04	David's R.	0	2,000	0	0	0
313-30.02	Caribou River	0	61,000	0	0	0
313-30.03	Nelson (Sapsuk) River	4,618	300,000	45,000	16,000	8,474
Total Nelson Lagoon Section		4,618	363,000	45,000	16,000	8,474
Herendeen-Moller Bay Section						
314-20.02	Buck Valley	0	0	75	0	0
314-20.03	Doe Valley	0	0	200	0	400
314-20.04	Deer Valley	0	0	1,800	0	800
314-20.05	Portage Valley	0	0	300	0	2,200
314-20.06	Grass Valley	0	12,000	8,000	0	11,000
314-20.07	Lawrence Valley	75	4,000	7,000	0	21,300
314-20.08	Mine Harbor	0	0	0	50	100
314-20.09	Coal Creek	0	4,000	0	3,500	21,000
Herendeen Bay total		75	20,000	17,375	3,550	56,800
314-30.04	Mud Bay, west creek	0	0	800	0	2,000
314-30.05	Mud Bay, east creek	0	0	4,300	0	1,200
314-30.07	Right Head Bay, south creek	0	0	0	0	300
314-30.09	Right Head Bay, north creek	0	0	900	0	14,000
314-30.10	Left Head Creek	0	6,400	3,600	0	24,000
Moller Bay total		0	6,400	9,600	0	41,500
Total Herendeen-Moller Bay Section		75	26,400	26,975	3,550	98,300
Bear River Section						
315-10.01	Frank's Lagoon	0	1,400	3,200	0	13,000
315-10.02	King Salmon River	1,100	3,000	1,800	0	6,000
315-11.02	Bear River	1,963	433,000	0	5,090	3,200
315-12.01	Sandy River	1,478	170,000	1,600	106	0
Total Bear River Section		4,541	607,400	6,600	5,196	22,200
Three Hills Section						
316-10.01	Lime Creek	0	0	1,700	0	3,100
316-10.02	Mid Three Hills	0	0	1,300	0	2,100
316-10.04	SW Three Hills	0	3,200	1,600	0	1,400
Total Three Hills Section		0	3,200	4,600	0	6,600

-continued-

Appendix A1.–Page 3 of 4.

Northern District (continued)		Number of salmon ^a				
		Chinook	Sockeye	Coho	Pink	Chum
Stream #	Stream name					
Ilnik Section						
316-10.05	Ocean River/Wildman Lake	0	32,000	5,000	0	0
316-10.06	Willie Creek	0	0	0	0	0
316-20.01	Ilnik River	5	92,000	23,000	0	0
316-20.04	Unangashak River	0	0	3,400	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	5	124,000	31,400	0	0
Inner Port Heiden Section						
Unnamed, Port Heiden Area						
317-20.01	Area	0	0	0	0	0
317-20.02	Charles Creek	0	0	0	0	0
West Port Heiden Bay total						
317-20.06	Highland Creek	0	4,000	0	0	0
317-20.04A & B	Red & Yellow Bluff Creeks	0	6,300	0	0	1,000
317-20.07 A	Meshik River, mainstem	800	47,000	92,000	0	6,200
317-20.07 B	Braided Creek	50	2,000	0	0	600
317-20.07 C	Landlocked Creek	0	4,000	20,000	0	0
317-20.07 D	Bluff Creek	0	0	0	0	0
317-20.07 E	Blue Violet Creek	0	28,200	0	0	3,000
317-20.07 F	Wolf Creek	100	4,500	0	0	3,000
317-20.07 G	Meshik River, G Creek	0	0	0	0	0
317-20.07 H	Shoe Creek	75	2,000	0	0	6,000
317-20.07 J	Meshik River, J Creek	0	0	0	0	0
317-20.07 K	Meshik River, K Creek	0	8,000	0	0	0
317-20.07 L	Meshik River, L Creek	0	6,000	0	0	900
317-20.07 M	Meshik River, M Creek	0	0	0	0	0
317-20.07 N	Meshik River, N Creek	0	0	0	0	0
317-20.07 O	Plenty Bear Creek	200	3,000	0	0	800
317-20.07 O-A	Paddle Creek	0	1,000	0	0	0
317-20.07 P	Waterfall Creek	0	0	0	0	0
317-20.07 R	Rainbow Creek	50	600	0	0	0
317-20.07 T	Cub Creek	0	200	0	0	400
Meshik River total		1,275	116,800	112,000	0	21,900
317-20.08	Birthday Creek	0	500	0	0	6,000
317-20.09	Barabara Creek	0	10	0	100	300
Total Inner Port Heiden Section		1,275	117,310	112,000	100	28,200
Outer Port Heiden Section						
318-10.01	Reindeer Creek	0	0	0	100	2800
Total Outer Port Heiden Section		0	0	0	100	2,800

-continued-

Northern District (continued)		Number of salmon ^a				
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	59,000	24,000	0	2,200
318-20.06 A	Cinder River, mainstem	3,250	63,000	32,000	28,000	44,000
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	300	49,000	0	0	0
318-20.06 E	High Creek	0	2,200	0	0	0
318-20.06 H	Meloy Creek	800	17,000	0	0	22,000
318-20.06 J	Wiggly Creek	300	12,500	0	0	24,000
318-20.06 K	Ray Creek	600	3,000	0	0	2,500
318-20.06 L	Cinder River, L Creek	200	0	0	0	200
318-20.06 P	Cinder River, P Creek	0	0	0	0	0
Cinder River total		5,450	205,700	56,000	28,000	94,900
Total Cinder River Section		5,450	205,700	56,000	28,000	94,900
Northern District total		16,514	1,470,610	289,775	63,246	277,674
Total North Peninsula		16,514	1,611,110	291,775	97,496	390,924

^a 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, 2016.

Stream			Species					Observer remarks
Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Observer								
Whaleback Mtn Crk, 311-3007								
2016-06-13	Stream	-	0	0	0	0	0	No fish.
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-01	Stream	G	0	15,300	0	0	0	Bears everywhere.
Lisa Fox	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-07	Stream	P	0	8,900	0	0	0	Windy, whitecaps on the lagoon, poor
Lisa Fox	Mouth	-	0	0	0	0	0	visibility.
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-19	Stream	G	0	65,900	0	0	0	
Jeff Wadle, Colton Lipka	Mouth	F	0	10,000	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-07	Stream	G	0	111,700	0	0	0	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Clear Lagoon, 311-3010								
2016-06-13	Stream	-	0	0	0	0	0	No fish.
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-01	Stream	G	0	600	0	0	0	Bears, and eagles on the beach.
Lisa Fox	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

-continued-

Stream			Species					Observer remarks
Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Clear Lagoon, 311-3010								
2016-07-07	Stream	P	0	0	0	0	0	No fish, bad light, windy.
Lisa Fox	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-07	Stream	F	0	13,100	0	0	0	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Swanson Lagoon, 311-5002								
2016-06-13	Stream	-	0	0	0	0	0	No fish, channel clear to ocean.
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-01	Stream	G	0	0	0	0	0	No fish, bear on the beach.
Lisa Fox	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-07	Stream	P	0	1,200	0	0	0	
Lisa Fox	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-12	Stream	F	0	500	0	0	0	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-19	Stream	-	0	3,000	0	0	0	
Jeff Wadle, Colton Lipka	Mouth	F	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

-continued-

Stream			Species					Observer remarks
Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Swanson Lagoon, 311-5002								
2016-08-07	Stream	F	0	200	0	0	0	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Mike's Valley, 311-6001								
2016-07-11	Stream	F	0	0	0	0	10,280	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-12	Stream	F	0	0	0	0	24,100	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-26	Stream	-	0	0	0	0	26,600	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-26	Stream	G	0	0	0	0	26,600	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-07	Stream	F	0	0	0	1,400	10,000	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Anderson's Creek, 311-6006								
2016-07-26	Stream	F	0	0	0	300	200	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

-continued-

Stream			Species					Observer remarks
Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Anderson's Creek, 311-6006								
2016-07-26	Stream	G	0	0	0	300	200	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-17	Stream	G	0	0	0	0	1,800	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Trader's Cove, 311-6008								
2016-07-26	Stream	-	0	0	0	250	0	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-26	Stream	G	0	0	0	250	0	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-17	Stream	F	0	0	0	0	650	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Warm Springs Bay, 311-6012								
2016-08-17	Stream	F	0	0	0	0	0	No fish.
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Hungry's Creek, 311-6013								
2016-08-17	Stream	G	0	0	0	2,800	0	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

-continued-

Stream			Species					Observer remarks
Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Mike's Duck Camp, 312-2002								
2016-09-01	Stream	F	0	2,700	0	800	2,600	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Alligator Hole, Ctr., 312-2003								
2016-08-07	Stream	G	0	0	0	800	14,300	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-01	Stream	F	0	1,400	0	2,500	9,800	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Alligator Hole, East, 312-2004								
2016-09-01	Stream	G	0	0	0	500	2,500	8,000 coho and chum out front.
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Frosty Creek, 312-2005								
2016-08-07	Stream	G	0	700	0	2,500	13,600	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-01	Stream	F	0	500	500	0	3,900	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Blue Bill Lake, 312-2006								
2016-09-01	Stream	P	0	0	0	0	0	20 carcasses of unknown species.
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream	Species							Observer remarks
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	
Observer								
Joshua Green River, 312-4001								
2016-07-28	Stream	F	0	5,500	0	3,000	19,600	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-01	Stream	F	0	10,600	1,500	7,300	7,700	
Colton Lipka	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
North Creek, 313-1002								
2016-07-29	Stream	-	900	14,200	0	0	1,800	900 Chinook in A. 1,200 sockeye and
Bob Murphy	Mouth	-	0	0	0	0	0	1,800 chum in B. 13,000 sockeye in C
Aerial Survey	Bay	-	0	0	0	0	0	just starting to get to lake, not colored yet.
2016-08-24	Stream	-	0	21,000	4,000	0	6,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Cathedral River, 313-1005								
2016-08-10	Stream	-	0	0	0	0	0	Too murky to count.
Reid Johnson	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-24	Stream	-	0	0	0	0	0	Too murky to count.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Trader Mtn Cr. (Russian R.), 313-1006								
2016-08-10	Stream	-	0	600	0	0	0	
Reid Johnson	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream	Species							Observer remarks
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	
Trader Mtn Cr. (Russian R.), 313-1006								
2016-08-24	Stream	-	0	0	200	3,500	5,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Amoco Airstrip Creek, 313-1009								
2016-08-10	Stream	-	0	0	0	300	200	
Reid Johnson	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-24	Stream	-	0	0	0	800	1,200	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Black Hills Creek, 313-1011								
2016-08-10	Stream	-	0	0	0	0	300	
Reid Johnson	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-24	Stream	-	200	0	1,800	0	2,000	
Bob Murphy	Mouth	-	0	0	0	3,000	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Steelhead Creek, 313-1014								
2016-08-10	Stream	-	25	2,000	0	0	0	1,700 sockeye in north branch. 300
Reid Johnson	Mouth	-	0	0	0	0	0	sockeye and 25 Chinook in south
Aerial Survey	Bay	-	0	0	0	0	0	branch.
2016-08-24	Stream	-	400	2,300	900	3,000	2,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream	Species							Observer remarks	
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink		Chum
Observer									
Mainshak Creek, 313-1015									
2016-08-10	Stream	-	0	0	0	0	0	0	Too murky to count.
Reid Johnson	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-08-24	Stream	-	0	0	300	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
David's River, 313-3001									
2016-06-27	Stream	P	0	2,000	0	0	0	0	Very murky water.
Reid Johnson, Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Caribou River, 313-3002									
2016-06-27	Stream	-	0	61,000	0	0	0	0	Most sockeye observed upriver past
Reid Johnson, Bob Murphy	Mouth	-	0	0	0	0	0	0	braids.
Aerial Survey	Bay	-	0	0	0	0	0	0	
Sapsuk River, Branches and Lake, 313-3003									
2016-06-25	Stream	-	300	8,000	0	0	0	0	Fish observed from 1/4 mile below weir
Bob Murphy	Mouth	-	0	0	0	0	0	0	to confluences of Caribou and David's.
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-06-27	Stream	-	600	22,000	0	0	0	0	Sockeye observed from below weir to
Reid Johnson, Bob Murphy	Mouth	-	0	0	0	0	0	0	forks.
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-06-28	Stream	-	0	21,000	0	0	0	0	21,000 below weir.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	

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Stream			Species					Observer remarks
Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Sapsuk River, Branches and Lake, 313-3003								
2016-06-30	Stream	-	500	17,000	0	0	0	Surveyed from weir to lagoon.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-05	Stream	-	600	8,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-24	Stream	-	0	0	6,300	0	0	Surveyed from above weir to Hoodoo lodge.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-04	Stream	-	0	0	45,000	0	0	Surveyed from 2 miles above weir to Nelson Lagoon.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Buck Valley, 314-2002								
2016-08-07	Stream	P	0	0	0	0	0	Too murky to count.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-09	Stream	-	0	0	75	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Doe Valley, 314-2003								
2016-08-07	Stream	P	0	0	0	0	0	Stream too murky to count, chum observed in mouth.
Bob Murphy	Mouth	-	0	0	0	0	400	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream			Species					Observer remarks
Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Doe Valley, 314-2003								
2016-09-09	Stream	-	0	0	200	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-17	Stream	-	0	0	0	0	0	No fish observed.
Reid Johnson	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Deer Valley, 314-2004								
2016-08-07	Stream	P	0	0	0	0	800	Water is very murky.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-09	Stream	-	0	0	1,800	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Portage Creek, 314-2005								
2016-08-07	Stream	-	0	0	0	0	2,200	Chum observed in lower river.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-17	Stream	-	0	0	0	0	0	Zero fish observed.
Reid Johnson	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-09	Stream	-	0	0	300	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream	Species							Observer remarks	
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink		Chum
Observer									
Grass Valley, 314-2006									
2016-08-07	Stream	-	0	7,000	0	0	0	11,000	All sockeye are observed in lake.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-08-17	Stream	-	0	0	0	0	0	500	
Reid Johnson	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-09-09	Stream	-	0	0	8,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Lawrence Valley, 314-2007									
2016-07-23	Stream	-	0	0	0	0	0	13,000	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-08-07	Stream	-	75	4,000	0	0	0	21,300	300 chum in A branch. 21,000 chum, 4,000 sockeye, and 75 Chinook in B branch.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-08-17	Stream	-	0	0	0	0	0	5,000	
Reid Johnson	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-09-09	Stream	-	0	0	7,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	

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Stream	Date	Observer	Location	Visibility	Species					Observer remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Lawrence Valley, 314-2007										
	2016-08-17		Stream	-	0	0	0	0	5,000	
	Reid Johnson		Mouth	-	0	0	0	0	0	
	Aerial Survey		Bay	-	0	0	0	0	0	
Mine Harbor, 314-2008										
	2016-08-07		Stream	-	0	0	0	50	100	
	Bob Murphy		Mouth	-	0	0	0	0	0	
	Aerial Survey		Bay	-	0	0	0	0	0	
	2016-08-17		Stream	-	0	0	0	0	0	Zero fish observed.
	Reid Johnson		Stream	-	0	0	0	0	0	
	Aerial Survey		Mouth	-	0	0	0	0	0	
Coal Creek, 314-2009										
	2016-07-23		Stream	-	0	0	0	0	10,000	
	Bob Murphy		Mouth	-	0	0	0	0	0	
	Aerial Survey		Bay	-	0	0	0	0	0	
	2016-08-07		Stream	-	0	0	0	0	0	
	Bob Murphy		Mouth	-	0	4,000	0	3,500	21,000	
	Aerial Survey		Bay	-	0	0	0	0	0	
	2016-08-17		Stream	-	0	0	0	0	3,500	
	Reid Johnson		Mouth	-	0	0	0	0	0	
	Aerial Survey		Bay	-	0	0	0	0	0	

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Date	Stream	Location	Visibility	Species				Observer remarks
				Chinook	Sockeye	Coho	Pink	
Mud Bay, West Creek, 314-3004								
2016-08-07	Stream	-	0	0	0	0	900	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-17	Stream	-	0	0	0	0	2,000	
Reid Johnson	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-09	Stream	-	0	0	800	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Mud Bay, East Creek, 314-3005								
2016-08-07	Stream	-	0	0	0	0	1,200	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-17	Stream	-	0	0	0	1,000	500	
Reid Johnson	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-09	Stream	-	0	0	4,300	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream	Species							Observer remarks
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	
Right Head Bay, South Creek, 314-3007								
2016-08-07	Stream	-	0	0	0	0	0	300
Bob Murphy	Mouth	-	0	0	0	0	0	0
Aerial Survey	Bay	-	0	0	0	0	0	0
2016-08-17	Stream	-	0	0	0	0	0	0
Reid Johnson	Mouth	-	0	0	0	0	0	0
Aerial Survey	Bay	-	0	0	0	0	0	0
Right Head Bay, North Creek, 314-3009								
2016-08-07	Stream	-	0	0	0	0	14,000	8,000 in slough, 6,000 in main-stem.
Bob Murphy	Mouth	-	0	0	0	0	0	0
Aerial Survey	Bay	-	0	0	0	0	0	0
2016-08-17	Stream	-	0	0	0	0	0	300
Reid Johnson	Mouth	-	0	0	0	0	0	0
Aerial Survey	Bay	-	0	0	0	0	0	0
2016-09-09	Stream	-	0	0	900	0	0	0
Bob Murphy	Mouth	-	0	0	0	0	0	0
Aerial Survey	Bay	-	0	0	0	0	0	0
Left Head Creek, 314-3010								
2016-08-07	Stream	-	0	6,400	0	14,000	24,000	5,000 of observed chum are in slough.
Bob Murphy	Mouth	-	0	0	0	0	0	0
Aerial Survey	Bay	-	0	0	0	0	0	0
2016-08-17	Stream	-	0	0	0	3,000	3,000	
Reid Johnson	Mouth	-	0	0	0	0	0	0
Aerial Survey	Bay	-	0	0	0	0	0	0

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Stream	Species							Observer remarks
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	
Left Head Creek, 314-3010								
2016-09-09	Stream	-	0	0	3,600	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Frank's Lagoon, 315-1001								
2016-07-29	Stream	-	0	0	0	3,400	13,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-04	Stream	-	0	1,400	3,200	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
King Salmon River, 315-1002								
2016-06-04	Stream	P	0	0	0	0	0	Too murky to count.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-06-08	Stream	-	0	0	0	0	0	No fish observed.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream			Species					Observer remarks
Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
King Salmon River, 315-1002								
2016-07-29	Stream	-	1,100	0	0	0	2,100	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-04	Stream	-	0	3,000	1,800	4,200	6,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Bear River, Branches and Lake, 315-1102								
2016-06-02	Stream	-	0	200	0	0	0	200 Sockeye from weir to Mad Sow.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-06-25	Stream	-	0	1,500	0	0	0	Surveyed from weir to Mad Sow Creek.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-06-27	Stream	-	0	2,200	0	0	0	Surveyed from weir to Mad Sow Creek.
Reid Johnson, Bob Murphy	Mouth	-	0	0	0	0	0	Weir crew had already passed 5,000 at time of survey.
Aerial Survey	Bay	-	0	0	0	0	0	
2016-06-28	Stream	-	0	18,000	0	0	0	Fish observed between weir and Mad Sow Creek. 3,000 fish had already passed weir at time of survey.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-06-30	Stream	-	0	4,000	0	0	0	Surveyed from weir to Mad Sow Creek.
Bob Murphy	Mouth	-	0	0	0	0	0	Weir crew had passed 3,400 at time of survey.
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream	Species							Observer remarks	
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink		Chum
Bear River, Branches and Lake, 315-1102									
2016-07-05	Stream	-	0	23,000	0	0	0	0	Half of the fish appear to be holding in river.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-07-29	Stream	-	950	2,800	0	0	3,200	0	950 Chinook and 3,200 chum observed in Ridgerunner Creek (C). 2,800 sockeye observed from weir to Mad Sow (tributary).
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-08-07	Stream	-	0	3,800	0	0	0	0	Surveyed from weir to Mad Sow.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-09-04	Stream	-	0	2,400	0	0	0	0	Surveyed from Mad Sow to weir.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Sandy River and Lake, 315-1201									
2016-09-04	Stream	-	0	0	1,600	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Lime Creek, 316-1001									
2016-07-29	Stream	-	0	0	0	600	3,100	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-09-04	Stream	-	0	0	1,700	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	

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Stream			Species					Observer remarks
Date								
Observer	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	
Unnamed, Mid Three Hills, 316-1002								
2016-07-29	Stream	-	0	0	0	900	2,100	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-04	Stream	-	0	0	1,300	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
SW Three Hills, 316-1004								
2016-07-29	Stream	-	0	3,200	0	2,700	1,400	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-04	Stream	-	0	0	1,600	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Ocean River, 316-1005								
2016-06-17	Stream	-	0	2,200	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-06-25	Stream	P	0	4,700	0	0	0	Poor survey conditions, murky water, low light.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-29	Stream	-	0	32,000	0	0	0	Fish observed on spawning grounds.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream	Species							Observer remarks
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	
Observer								
Ocean River, 316-1005								
2016-09-04	Stream	-	0	0	5,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Ilnik River/Estuary, 316-2001								
2016-06-17	Stream	-	0	1,000	0	0	0	Sockeye behind weir.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-06-25	Stream	-	0	0	0	0	0	Fish observed directly behind weir.
Bob Murphy	Mouth	-	0	5,000	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-08-19	Stream	-	0	0	500	0	0	Most fish observed in Ilnik Lagoon, 500
Bob Murphy	Mouth	-	0	0	4,500	0	0	fish observed 1/4 mile upstream.
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-04	Stream	-	0	0	23,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Unangashak River, 316-2004								
2016-09-04	Stream	P	0	0	3,400	0	0	Water is very murky, bad survey
Bob Murphy	Mouth	-	0	0	0	0	0	conditions.
Aerial Survey	Bay	-	0	0	0	0	0	
Highland Creek, 317-2006								
2016-07-27	Stream	-	0	4,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream	Species								
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	Chum	Observer remarks
Birthday Creek, 317-2008									
2016-07-27	Stream	-	0	500	0	0	0	6,000	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-09-04	Stream	-	0	0	800	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Barbara Creek, 317-2009									
2016-07-27	Stream	-	0	10	0	100	0	300	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Red Bluff Creek, 317-204A									
2016-07-27	Stream	-	0	6,000	0	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Red Bluff Creek, 317-204A									
2016-09-04	Stream	-	0	0	2,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Yellow Bluff Creek, 317-204B									
2016-07-27	Stream	-	0	300	0	0	0	1,000	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Meshik River, Mainstem, 317-207A									
2016-06-17	Stream	-	200	4,200	0	0	0	0	4 sport fishermen observed on Scotty's
Bob Murphy	Mouth	-	0	0	0	0	0	0	Island. No subsistence net in front of Port
Aerial Survey	Bay	-	0	0	0	0	0	0	Heiden.

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Stream	Species							Observer remarks
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	
Meshik River, Mainstem, 317-207A								
2016-06-25	Stream	-	600	32,000	0	0	0	All fish observed between the bay and to 5 miles above Scotty's Island. No subsistence nets observed.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-05	Stream	-	600	66,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-07-27	Stream	-	800	47,000	0	0	6,200	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
2016-09-04	Stream	-	0	0	78,000	0	0	Fish spread out over entire river, but well above Scotty's Island (5 miles).
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Braided Creek, 317-207B								
2016-07-27	Stream	-	50	2,000	0	0	600	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Landlocked Cr.(Hotsprings Cr.), 317-207C								
2016-07-27	Stream	-	0	4,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Blue Violet, Sleepy And Black Creeks , 317-207E								
2016-07-27	Stream	-	0	28,200	0	0	3,000	3 bears observed. 27,000 sockeye, 3,000 chum observed in Blue Violet Creek. 1,200 sockeye observed in Black Violet Creek.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

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Stream	Species							Observer remarks	
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink		Chum
Wolf Creek, 317-207F									
2016-07-27	Stream	-	100	4,500	0	0	3,000		
Bob Murphy	Mouth	-	0	0	0	0	0		
Aerial Survey	Bay	-	0	0	0	0	0		
Meshik River, G Creek, 317-207G									
2016-07-27	Stream	-	0	0	0	0	0	0	Zero fish observed.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Shoe Creek, 317-207H									
2016-07-27	Stream	-	75	2,000	0	0	6,000		1 Bear observed on river.
Bob Murphy	Mouth	-	0	0	0	0	0		
Aerial Survey	Bay	-	0	0	0	0	0		
Meshik River, K Creek, 317-207K									
2016-07-27	Stream	-	0	8,000	0	0	0		
Bob Murphy	Mouth	-	0	0	0	0	0		
Aerial Survey	Bay	-	0	0	0	0	0		
Meshik River, L Creek, 317-207L									
2016-07-27	Stream	-	0	6,000	0	0	900		
Bob Murphy	Mouth	-	0	0	0	0	0		
Aerial Survey	Bay	-	0	0	0	0	0		
Meshik River, M Creek, 317-207M									
2016-07-27	Stream	-	0	0	0	0	0	0	Too murky to count.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Meshik River, N Creek, 317-207N									
2016-07-27	Stream	-	0	0	0	0	0	0	Too murky to count.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	

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Date	Stream	Observer	Location	Visibility	Species					Observer remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Plenty Bear Creek, 317-207O										
2016-07-27	Stream	-		200	3,000	0	0	800	1 Bear observed.	
Bob Murphy	Mouth	-		0	0	0	0	0		
Aerial Survey	Bay	-		0	0	0	0	0		
Paddle Creek, 317-207OA										
2016-07-27	Stream	-		0	1,000	0	0	0		
Bob Murphy	Mouth	-		0	0	0	0	0		
Aerial Survey	Bay	-		0	0	0	0	0		
Waterfall Creek, 317-207P										
2016-07-27	Stream	-		0	0	0	0	0	Too murky to count.	
Bob Murphy	Mouth	-		0	0	0	0	0		
Aerial Survey	Bay	-		0	0	0	0	0		
Rainbow Creek, 317-207R										
2016-07-27	Stream	-		50	600	0	0	0	Fish observed at confluence.	
Bob Murphy	Mouth	-		0	0	0	0	0		
Aerial Survey	Bay	-		0	0	0	0	0		
Cub Creek, 317-207T										
2016-07-27	Stream	-		0	200	0	0	400		
Bob Murphy	Mouth	-		0	0	0	0	0		
Aerial Survey	Bay	-		0	0	0	0	0		
Reindeer Creek, 318-1001										
2016-07-27	Stream	-		0	200	0	100	2,800		
Bob Murphy	Mouth	-		0	0	0	0	0		
Aerial Survey	Bay	-		0	0	0	0	0		
Reindeer Creek, 318-1001										
2016-09-04	Stream	-		0	0	4,200	0	0		
Bob Murphy	Mouth	-		0	0	0	0	0		
Aerial Survey	Bay	-		0	0	0	0	0		

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Stream	Species							Observer remarks	
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink		Chum
Mud Creek, 318-2004									
2016-07-27	Stream	-	0	59,000	0	0	0	2,200	A Creek: 28,000 sockeye, 2,000 chum. B Creek: 26,000 sockeye. C Creek: 5,000 sockeye, 200 chum.
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-09-04	Stream	-	0	0	24,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Cinder River, Mainstem, 318-206A									
2016-07-27	Stream	-	3250	63,000	0	28,000	44,000	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
2016-09-04	Stream	-	0	0	32,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Lava Creek, 318-206D									
2016-07-27	Stream	-	300	49,000	0	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
High Creek, 318-206E									
2016-07-27	Stream	-	0	2,200	0	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	
Meloy Creek, 318-206H									
2016-07-27	Stream	-	800	17,000	0	0	22,000	0	
Bob Murphy	Mouth	-	0	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	0	

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Stream	Species							Observer remarks
	Date	Location	Visibility	Chinook	Sockeye	Coho	Pink	
Wiggly Creek, 318-206J								
2016-07-27	Stream	-	300	12,500	0	0	24,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Ray Creek, 318-206K								
2016-07-27	Stream	-	600	3,000	0	0	2,500	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Cinder River, L Creek, 318-206L								
2016-07-27	Stream	-	200	0	0	0	200	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

Note: Visibility classified as good, fair, or poor.

**APPENDIX B. NORTH ALASKA PENINSULA TEST
FISHERY, 2016**

Appendix B1.—South Bear River test fishery results for August 5, 2016.

Date:	Friday, August 5, 2016	ADF&G observer:	Reid Johnson	High tide:	1:05 PM
Location:	South of Bear River	Fishing Vessel:	Three Sons	Gillnet specifications:	4 3/4" and 4/1/2" combo, 60 deep
		Skipper:	Mark Mosich		
Set information					
	1st	2nd	3rd	4th	5th
Location description	South end of Whale Hole 1/2 mile out.	Whale Hole off of beach.	South marker.	Inside north marker on beach.	Inside north marker on beach.
GPS latitude	56° 06.72' N	56° 06.68' N	56° 07.95' N	56° 07.76' N	56° 07.63' N
GPS longitude	160° 27.96' W	160° 27.68' W	160° 27.94' W	160° 27.90' W	160° 27.73' W
Net length	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms
Time					
First buoy in water	10:08 AM	10:48 AM	11:34 AM	12:34 PM	1:35 PM
Last buoy set	10:13 AM	10:52 AM	11:38 AM	12:39 PM	1:40 PM
Started picking	10:25 AM	11:05 AM	11:51 AM	12:53 PM	1:55 PM
Full net out of water	10:47 AM	11:29 AM	12:17 PM	1:30 PM	2:35 PM
Set soak time	00:34	00:37	0:39	00:51	00:55
Species					
Sockeye	0	15	30	187	187
Chinook	0	0	0	0	0
Pink	0	0	1	2	1
Chum	0	3	2	3	2
Coho	0	1	0	0	0
Brown Sculpin	0	0	0	0	0
Yellowfin	0	0	0	0	0
Irish Lord	0	0	0	0	0
Salmon Shark	0	0	0	0	0
Pollock	0	0	0	0	0
Starry Flounder	0	0	0	1	0
Total soak time	3 hours 36 minutes				
Number of sets	5				
Sockeye total	419				

Appendix B2.—North Bear River test fishery results for August 5, 2016.

Date:	Friday, August 5, 2016	ADF&G observer:	Corey Litwiniak	High tide:	1:05 PM
Location:	North of Bear River	Fishing vessel:	Betty M	Gillnet specifications:	4 3/4" and 5 4/5" Combo, 60 meshes deep
		Skipper:	Mike Mosich		
Set information					
	1st	2nd	3rd	4th	5th
Location description	1/2 mile North of the Bear River church and 1/2 mile offshore.	At Bear River Church close to beach.	At north Bear River regulatory marker close to the beach.	1/8 mile North of north Bear River regulatory marker close to the beach.	1/2 mile North of north Bear River regulatory marker close to the beach.
GPS latitude	56° 10.28' N	56° 10.06' N	56° 08.77' N	56° 08.98' N	56° 09.24' N
GPS longitude	160° 26.57' W	160° 26.61' W	160° 27.09' W	160° 26.96' W	160° 26.80' W
Net length	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms
Time					
First buoy in water	10:29 AM	11:02 AM	11:48 AM	12:58 PM	1:35 PM
Last buoy set	10:33 AM	11:06 AM	11:51 AM	1:03 PM	1:39 PM
Started picking	10:48 AM	11:21 AM	12:03 PM	1:08 PM	1:57 PM
Full net out of water	10:58 AM	11:35 AM	12:48 PM	1:31 PM	2:25 PM
Set soak time	0:25	0:29	0:57	0:28	0:46
Species					
Sockeye	9	32	348	135	161
Chinook	0	0	0	0	0
Pink	0	2	7	0	5
Chum	1	4	9	9	10
Coho	0	0	1	0	0
Brown Sculpin	0	2	1	0	0
Capelin	0	0	0	0	0
Irish Lord	0	0	0	0	0
Salmon Shark	0	0	0	0	0
Sole	0	0	0	0	0
Starry Flounder	0	0	0	0	0
Total soak time	3 hours 29 minutes				
Number of sets	6				
Sockeye total	719				

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Appendix B2.–Page 2 of 2.

Date:	Friday, August 5, 2016	ADF&G observer:	Corey Litwiniak	High tide:	1:05 PM
Location:	North of Bear River	Fishing vessel:	Betty M	Gillnet specifications:	4 3/4" and 5 4/5" Combo, 60 meshes deep
		Skipper:	Mike Mosich		
Set information					
6th					
Location description	1/4 mile North of north Bear River regulatory marker close to the beach.				
GPS latitude	56° 09.02' N				
GPS longitude	160° 26.94' W				
Net length	200 fathoms				
Time					
First buoy in water	2:37 PM				
Last buoy set	2:41 PM				
Started picking	2:53 PM				
Full net out of water	3:05 PM				
Set soak time	00:24				
Species					
Sockeye	34				
Chinook	0				
Pink	0				
Chum	0				
Coho	0				
Brown Sculpin	0				
P. Cod	0				
Capelin	0				
Sole	0				
Starry Flounder	0				
Total soak time	3 hours 29 minutes				
Number of sets	6				
Sockeye total	719				