

North Alaska Peninsula Commercial Salmon Annual Management Report, 2010

by

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and

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March 2011

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

FISHERY MANAGEMENT REPORT NO. 11-07

**NORTH ALASKA PENINSULA COMMERCIAL SALMON
ANNUAL MANAGEMENT REPORT, 2010**

by

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ABSTRACT

This report is a summary of the 2010 season and historical data concerning management of the commercial salmon fisheries of the Northwestern and Northern districts of the North Alaska Peninsula, which is part of the Alaska Peninsula Management Area (Area M). Most commercial salmon fishing effort on the North Alaska Peninsula targeted sockeye salmon *Oncorhynchus nerka* runs. The 2010 commercial salmon harvest on the North Alaska Peninsula included 2,772 Chinook *O. tshawytscha*, 2,229,978 sockeye, 62,147 coho *O. kisutch*, 7,833 pink *O. gorbuscha*, and 259,063 chum *O. keta* salmon. Chinook salmon harvest was the second lowest reported harvest since 1975, with the majority occurring incidental to the sockeye salmon fishery in the Bear River Section. The sockeye salmon harvest in the Northern District of 2,175,173 fish was above the previous ten-year average harvest of 2,027,138, while the sockeye salmon harvest in the Northwestern District of 54,805 fish was below the ten-year average harvest of 77,258 fish. Of the Northern District harvest, 95% or 2,056,773 fish were harvested in the sections between Port Moller Bight and Outer Port Heiden. The North Alaska Peninsula chum salmon harvest of 259,063 fish was above the ten-year average of 101,160 and was split about evenly between the Northwestern and Northern districts. About half of the chum salmon harvested in the Northern District were caught incidentally during sockeye salmon fisheries and the other half was caught in directed fisheries. Nearly all of the Northwestern District chum salmon harvest came from directed fisheries.

Total sockeye salmon escapement for North Alaska Peninsula streams was 875,100 fish, below the most recent ten-year average of 1,109,402. Approximately 66% of the sockeye salmon escapement occurred in the Northern District's four systems in which escapement is enumerated with weirs (Nelson, Bear, Sandy, and Ilnik rivers). Each of those systems met their escapement goals. The remaining 34% was estimated via aerial surveys throughout the North Alaska Peninsula.

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

This report is a summary of the 2010 season and historical data concerning the commercial salmon fisheries and escapements that occurred on the North Alaska Peninsula. The purpose of this report is to document catch and escapement data and provide commercial salmon fishermen and buyers a context with which to compare the 2010 North Alaska Peninsula commercial salmon catch and escapement with historical information.

NORTH ALASKA PENINSULA

Geography

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 two 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 Nelson Lagoon, Bear River, Three Hills, Ilnik, and the Outer Port Heiden sections (Figure 2). In addition to these sections, smaller directed commercial salmon fisheries also occur in other areas of the North Alaska Peninsula.

Gear

Purse seine, hand purse seine, drift gillnet, and set gillnet are legal gear types in the Northwestern District (5 AAC 09.330(b)). In the Northern District, commercial salmon fishing is

permitted with purse seine, drift gillnet, and set gillnet gear; however, within-section gear restrictions exist. For example, the Nelson Lagoon Section is open to drift and set gillnet gear only. In the Northern District, drift gillnet is by far the most widely used gear. In the Northwestern District, use of purse seine gear equals or exceeds use of drift gillnet gear in some years.

Regulatory Season

The commercial salmon season opens in most of the Northwestern District on June 1 and in most of the Northern District on May 1 (5 AAC 09.310). Fishing is allowed beginning June 20 in that portion of the Ilnik Section southwest of Unangashak Bluffs if the sockeye salmon escapement meets or exceeds interim escapement objectives in the Ilnik River (Figure 2). In that portion of the Ilnik Section from Unangashak Bluffs to Stroganof Point, fishing is permitted beginning June 20 if escapement in the Meshik and Ilnik rivers 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 escapements in the Meshik River are 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 in the Bristol Bay Management Area.

Inseason Management

Although the earliest opening dates are established by regulation and modified by emergency orders, actual fishing time in North Alaska Peninsula fisheries is based on inseason evaluation of local stock abundance and escapement objectives. Sockeye salmon are the primary species targeted for harvest in these waters, and Nelson and Bear rivers are the largest sockeye salmon producing systems. Between June 1 and September 15, within the Nelson Lagoon to Port Heiden region, management emphasis is on five sockeye salmon systems: Nelson, Bear, Sandy, Ilnik, and Meshik rivers (Murphy and Hartill 2010). The Alaska Department of Fish and Game (ADF&G) operates weir camps on the Nelson, Bear, Sandy, and Ilnik rivers to provide daily escapement counts used to manage commercial fisheries. Aerial surveys are used to enumerate salmon in systems that do not have weirs.

Escapement Goals

Weir counts and aerial surveys are used to estimate escapement¹. For rivers and river systems with established escapement goals there are two types of goals used to characterize the run. A biological escapement goal (BEG) is defined by the *Sustainable Salmon Fisheries Policy* (SSFP; 5 AAC 39.222) as an escapement range providing the greatest potential for maximum sustained yield. As described in Honnold et al. (2007), a BEG can be developed 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. A sustainable escapement goal (SEG) is defined by the SSFP as 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. An SEG is used in situations where a BEG cannot be

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.

estimated due to the absence of a stock specific catch estimate and/or total return estimates are not available because harvest and/or age were not consistently measured. Methods used to develop SEGs include the percentile approach, cluster analysis of count data, risk analyses, and/or limnological models (Honnold et al. 2007). The commercial salmon fisheries on the North Alaska Peninsula are managed using these escapement goals. For systems with escapement goals, an escapement range is arrived at using the aforementioned criteria and methods. The inseason escapement at each system with an established goal determines how the fisheries are managed. In general, fisheries are liberalized in areas where escapement counts are on track to achieve the escapement goal and restricted where it appears a goal may not be met.

Run Timing

The timing of sockeye salmon returning to North Alaska Peninsula streams varies by system and stock. Local sockeye salmon stocks are present 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 two genetically distinct 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, and Meshik rivers run timing closely parallels the Bear River early run (beginning in early June and ending in late July; Murphy and Hartill 2009).

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. When not participating in the Bristol Bay sockeye salmon fisheries, Port Heiden Area T permit holders historically fished for Chinook *O. tshawytscha* and coho *O. kisutch* salmon in the Inner Port Heiden Section, and Pilot Point Area T permit holders historically 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. Except during July, Area T permit holders are allowed to fish during the open season in the Inner Port Heiden and Cinder River sections. 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 board excluded Area T permit holders from the Ilnik Section (except inside Ilnik Lagoon during August and September) and closed the Outer Port Heiden Section in August and September to all commercial salmon fishing by both Area M and Area T permit holders because of concern over potential interception of coho salmon bound for Inner Port Heiden (Meshik River). Since 2001, effort by both Area M and Area T permit holders in the overlap area has been minimal.

HARVEST BY SPECIES

CHINOOK SALMON

The 2010 North Alaska Peninsula commercial Chinook salmon harvest of 2,772 fish was below the recent ten-year (2000–2009) average of 5,655 fish (Table 1). This was the second lowest harvest since 1975; only 2008 had a lower harvest (1,799 fish).

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 2010, about 49% of the Chinook salmon harvested (1,361 fish) were taken in the Bear River Section during sockeye salmon fisheries (Tables 2 and 3). The Chinook salmon harvest in the Nelson Lagoon Section of 360 fish was well below the 10-year average of 1,770 fish (Table 3). The Three Hills and Ilnik sections combined harvest of 419 Chinook salmon was also well below the 10-year average of 1,435. The Outer Port Heiden Section, which reopened in 2007 for the first time since 1989, had a harvest of 580 Chinook salmon, which was higher than 2008 (168 fish) but lower than 2007 and 2009 (970 and 800 fish, respectively). There was no effort targeting Chinook salmon in the Inner Port Heiden Section in 2010. Depending on market conditions, there is occasionally a directed fishery for Chinook salmon in the Inner Port Heiden Section.

SOCKEYE SALMON

The 2010 North Alaska Peninsula sockeye salmon harvest of 2,229,978 fish was above the 2000–2009 average harvest of 2,177,323 fish (Table 1) but below the 1990–2009 average harvest of 2,350,603 fish (Table 1; Figure 4). The 2010 harvest was about 14% below the preseason projected harvest of 2,600,000 sockeye salmon (Table 1; Eggers et al. 2010). Most of the harvest occurred in the Northern District between the Bear River and Outer Port Heiden sections, which includes the Bear River, Three Hills, Ilnik, and Outer Port Heiden sections.

In 2010, the combined Port Moller Bight, Bear River, Three Hills, Ilnik, and Outer Port Heiden sections accounted for approximately 95% of the North Alaska Peninsula total sockeye salmon harvest. Of that harvest, the Bear River and Ilnik sections each had approximately 30%, while the Outer Port Heiden section accounted for about 38% and the Three Hills Section about 2% of the harvest (Figure 5). The proportion of harvest in the Bear River Section in 2010 is comparable to the most recent ten-year average (28%). Since 2000, however, there has been a shift in effort from the Three Hills Section to the Ilnik Section (Figures 2 and 5). This is possibly due to a number of factors including, an increase in the fleet participating in the Outer Port Heiden fishery and large closures in the Three Hills Section. Because the Outer Port Heiden Section has only been open since 2007, it isn't useful to compare the average harvest from 2007 through 2010 to the recent ten-year average. The Outer Port Heiden Section harvest as a proportion of the total Northern District harvest has increased each year since 2007 (38% in 2010).

In the combined Three Hills and Ilnik sections, 711,630 sockeye salmon were harvested during 2010, of which 51,556 fish were harvested in the Three Hills Section and 660,074 fish were taken in the Ilnik Section (Table 4; Figure 5). The total Ilnik Section harvest was below the most recent 10-year average of 847,976 fish. The Three Hills Section harvest was also below the most recent ten-year average of 192,196 fish.

In the Port Moller Bight, Bear River, Three Hills, and Ilnik sections, the total catch was 1,270,748 sockeye salmon (Table 2). The largest weekly harvest of 327,917 sockeye salmon occurred during the period June 28 to July 4 (Table 2). The largest daily harvest of 96,500 sockeye salmon occurred June 29 (Table 5).

COHO SALMON

The 2010 North Alaska Peninsula coho salmon harvest of 62,147 fish was similar to the 2000–2009 average harvest of 64,611 fish (Tables 1 and 6). In 2010, about 96% (59,758 fish) of the

coho salmon harvest came from the Nelson Lagoon, Bear River, Three Hills and Ilnik sections. Of those sections, about 72% (44,821 fish) of the harvest occurred in the Nelson Lagoon Section, about 15% (9,632 fish) in the Bear River Section, about 5% (3,112 fish) in the Ilnik Section, and about 4% (2,193 fish) from the Three Hills Section. The remaining 4% (2,389 fish) came from the remainder of the North Peninsula (Table 6). The proportion of harvest in each section is consistent with previous years. Nelson Lagoon typically has the highest coho harvest, followed by either the Bear River or Ilnik section.

PINK SALMON

The 2010 North Alaska Peninsula pink salmon harvest of 7,833 fish was below the 2000–2009 even-year average harvest of 31,401 fish (Table 1). The majority of the pink salmon harvest came from the Northwestern District in 2010, where the harvest was 6,450 salmon, below the 2000–2009 even-year average harvest of 21,327 fish (Table 7).

In the Northern District, pink salmon are usually caught incidental to sockeye salmon and only 1,383 pink salmon were reported harvested in 2010.

CHUM SALMON

The 2010 North Alaska Peninsula chum salmon harvest of 259,063 fish was well above the 2000–2009 average harvest of 101,160 fish and the highest overall chum salmon harvest since 1992 (341,616 fish; Table 1). In the Northern District, the harvest of 119,993 fish was well above the 2000–2009 average of 49,554 fish (Table 8). The remaining 139,070 chum salmon were harvested in the Northwestern District, which was also above the previous ten-year average of 51,605 fish (Table 9). The majority of the harvest in the Northern District was caught in a directed fishery in Herendeen Bay.

ESCAPEMENT BY SPECIES

CHINOOK SALMON

The 2010 North Alaska Peninsula estimated total Chinook salmon escapement was 9,387 fish, which was well below the 2000–2009 average of 21,611 fish (Table 1). The 2010 Nelson River Chinook salmon escapement of 2,769 fish was within the BEG range of 2,400–4,400 fish (Honnold et al. 2007; Appendix A1). Of the total estimated escapement, 2,569 fish were counted at the Nelson River weir and 200 were observed during a post weir aerial survey (Table 10; Appendix A2). 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 544 fish, which was less than the 2000–2009 average of 2,962 fish (Table 3). The Bear 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. A total of 14 Chinook salmon passed the Ilnik River weir in 2010 (Table 13). In the Inner Port Heiden Section (the Meshik River and its tributaries), 1,010 Chinook salmon were estimated, while 1,950 Chinook salmon were estimated in Cinder River during 2010, both of which were below the 2000–2009 averages (Table 3; Appendix A1).

SOCKEYE SALMON

The 2010 North Alaska Peninsula estimated total sockeye salmon escapement of 875,100 fish, which included weir and aerial survey counts, was below the 2000–2009 average estimated escapement of 1,109,402 fish (Table 1; Figure 6). The combined North Alaska Peninsula escapement goal range is 531,400–1,023,800 sockeye salmon for systems with established goals (Witteveen et al. 2009). The systems with an SEG are Christianson Lagoon (25,000–50,000 fish), Swanson Lagoon (6,000–16,000 fish), North Creek (4,400–8,800 fish), Bear River (combined early and late runs, 293,000–488,000 fish), Sandy River (34,000–74,000 fish), Ilnik River (40,000–60,000 fish), Meshik River (25,000–100,000 fish), and Cinder River (12,000–48,000 fish; Witteveen et al. 2009). There is only one system on the North Alaska Peninsula with a BEG and that is Nelson River (97,000–219,000 fish). The systems most often considered in management decisions and the historical escapements and goal ranges are detailed in Table 14. All of the above systems met or exceeded their escapement goal except Swanson Lagoon, where only 1,700 sockeye salmon were documented (Appendix A1). However, during an aerial survey on August 27 it was discovered the mouth of Swanson Lagoon had been filled in by sand, likely prohibiting sockeye salmon, or any other species, from entering the lagoon. Although the exact date of the lagoon closure is unknown, it likely impacted sockeye salmon escapement.

Nelson River

From the total Nelson River run of 250,715 sockeye salmon, 93,715 fish were harvested in Nelson Lagoon and 157,000 sockeye salmon escaped (Table 4), of which 108,000 fish returned to Nelson River, 20,000 to Caribou River and 29,000 to David's River (Appendix A1). The Nelson River weir sockeye salmon escapement of 108,000 fish met the goal of 97,000–219,000 sockeye salmon, but was below the most recent 10-year average of 252,056 fish (Tables 14 and 15; Witteveen et al. 2009). The peak daily escapement (8,400 fish) at the Nelson River weir occurred on July 9 (Table 15).

Nelson River is the only North Alaska Peninsula river 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 a daily grab sample of approximately 40 fish. That proportion is then extrapolated to account for the entire day's escapement. When the weir was removed on July 30, it was estimated that about 52,500 female sockeye salmon had passed the weir, meeting the desired management escapement objective of 50,000–110,000 female fish (Murphy and Hartill 2010).

Bear River

The Bear Lake early- and late-run sockeye salmon runs have separate escapement goals because each are recognized as genetically distinct components of the run (Ramstad 1998). In 2010, both the early and late Bear River sockeye salmon runs met their escapement goals. The early-run (through July 31) met the escapement goal of 176,000–293,000 fish with an escapement of 226,534 fish, while the late run (after July 31) met its escapement goal of 117,000–195,000 fish with an escapement of 142,996 (SEG; Tables 16 and 17). The largest daily escapement at the weir in 2010 occurred on August 13 when 15,421 sockeye salmon were counted (Table 17).

Sandy River

The total 2010 Sandy River sockeye salmon escapement of 37,000 fish was within the escapement goal range of 34,000–74,000 fish, but below the recent 2000–2009 average escapement of 49,990 fish (Tables 14 and 18; Honnold et al. 2007). The largest daily escapement at the Sandy River weir occurred on June 29 when 3,343 sockeye salmon were counted (Table 18). Escapement into Sandy River did not meet, or barely met, interim escapement objectives for much of the season.

Ilnik River

The Ocean River, normally a tributary of the Ilnik River which flows through the Ilnik River weir in most years, has emptied directly into the Bering Sea from 2005 through 2010. The last time this occurred prior to 2005 was 1987. Ocean River is a major spawning tributary in the Ilnik system and accounts for about 20% of the spawning run. To account for Ocean River-bound sockeye salmon that bypassed the weir in 2010, the Ilnik River escapement goal (40,000–60,000; SEG) was decreased by 20% to 32,000–48,000 sockeye salmon. The remaining 8,000–12,000 fish (or 20%) is the historical proportion of the Ocean River component of the Ilnik system. Because Ocean River fish were no longer enumerated at the Ilnik River weir, aerial surveys were flown on Ocean River to determine if the management objective of 8,000–12,000 sockeye salmon was met. The final escapement estimate for Ocean River was 16,000 sockeye salmon, exceeding the management objective of 8,000–12,000 fish (Appendix A1). The total sockeye salmon escapement through the Ilnik River weir of 43,000 fish (including a 1,542 fish post-weir estimate; Table 19) was within the escapement goal of 32,000–48,000 fish (which accounts for the Ocean River escapement goal deduction of 8,000–12,000 fish).

Port Heiden

In 2010, the sockeye salmon escapement into Inner Port Heiden (including the Meshik River and Red Bluff Creek) was 63,700 fish, below the most recent 10-year average of 106,006 (Table 4). The Meshik River system had an estimated escapement of 46,200 sockeye salmon, meeting the escapement goal range of 25,000–100,000 fish (Appendix A1; Witteveen et al. 2009). Because there was no directed harvest on Meshik River fish prior to 2007, the escapement goal was routinely exceeded. Since 2007, when the Outer Port Heiden Section opened and Meshik River fish have been targeted, escapements into Inner Port Heiden have decreased and have been closer to the escapement goal.

Red Bluff Creek and its tributaries, which flow into Port Heiden approximately two miles from the mouth of Meshik River, had an escapement of 17,500 fish (Appendix 1). From 2006–2009, the Meshik River escapement goal did not include Red Bluff Creek escapement, nor did Red Bluff Creek have its own escapement goal. Due to the close proximity of Red Bluff Creek to Meshik River, these two systems cannot be managed separately. Considering this, an escapement goal review team examined the combined data from Meshik River and Red Bluff Creek to determine if inclusion of Red Bluff Creek in the Meshik River escapement goal would be feasible. Upon examination of aerial survey data, the team recommended including Red Bluff Creek, and changing the SEG to 25,000–100,000 fish to reflect better quality aerial survey data since 1990 (Witteveen et al. 2009).

COHO SALMON

Nelson and Ilnik rivers are the only rivers on the North Alaska Peninsula that have a coho salmon lower bound SEG (Witteveen et al. 2009). At Nelson River, the peak escapement estimate of 15,000 fish was just short of the goal of 18,000 fish (Appendix A1). At Ilnik River, the peak escapement estimate of 16,000 fish met the goal of 9,000 fish. The Ilnik River goal was adopted at the Board of Fisheries meeting in February 2010. Some of the larger estimated escapements occurred in the Inner Port Heiden streams (24,000 fish), and Cinder River Lagoon (26,000 fish; Appendix A1). These escapements are slightly above previous years escapements. Typically, Joshua Green River has a large coho salmon escapement, but no coho salmon surveys were flown on the river in 2010. In all, approximately 117,900 coho salmon were documented in 23 North Alaska Peninsula streams during 2010. However, it should be noted that due to budget constraints and unfavorable fall weather conditions, intensive aerial surveys were not flown for coho salmon during 2010. Many streams were not surveyed, and most completed surveys occurred prior to the peak of the coho salmon run.

PINK SALMON

Even-numbered year pink salmon escapements have typically been larger than odd-numbered year escapements. The 2010 escapement of 32,412 fish was far below the most recent ten-year average of 103,932 fish (Table 1; Appendix A1). The North Alaska Peninsula pink salmon escapement goal is based solely on the escapement in the Bechevin Bay Section within the Northwestern District. The estimated escapement of 13,600 pink salmon into Bechevin Bay was well below the even-numbered year lower bound SEG of 31,000 fish (Appendix A1; Honnold et al. 2007). Total pink salmon escapement for the Northwestern District was 15,300 fish, far below the most recent even-numbered year average escapement of 54,783 pink salmon (Table 7).

CHUM SALMON

The North Alaska Peninsula has two chum salmon escapement goals, one for the entire Northern District and one for the entire Northwestern District. In 2010, the Northern District chum salmon escapement goal (119,600 to 239,200 fish; Honnold et al. 2007) was met when 145,310 fish were documented in Northern District streams (Table 8; Appendix A1). Historically, the Herendeen-Moller Bay Section has the largest chum salmon runs in the Northern District. In 2010, Herendeen and Moller bays accounted for about 75% of the total Northern District chum salmon escapement (108,600 fish; Table 8). The Northwestern District chum salmon escapement of 144,100 fish met the goal of 100,000 to 215,000 fish, but was below the previous ten year average of 258,759 fish (Table 9; Honnold et al. 2007). The total North Alaska Peninsula estimated chum salmon escapement of 289,410 was well below the previous ten year average of 500,726 fish (Table 1).

COMMERCIAL SALMON FISHERY SUMMARY, 2010

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. These sections make up the majority of the Northern District. The total Northern District sockeye harvest of 2,175,173 was above 2000–2009 average of 2,027,138 fish. Of those sections, only the Outer Port Heiden Section total sockeye salmon run (catch and escapement combined) was above the most recent 10-year averages (Table 4). However, because the Outer Port Heiden

Section has only been open for four years, that harvest information is only a four year average. The total late Bear River sockeye salmon run, which consists of commercial catch and escapement from Port Moller to Stroganof Point after July 31, of 387,349 fish was below the most recent 10-year average of 545,804 fish (Table 16). The majority of the sockeye salmon harvested were taken in the area between Cape Seniavin and Outer Port Heiden. However, harvest was more consistent throughout the season from Port Moller to Cape Seniavin (Figure 7). A complete listing of all commercial salmon harvested by day on the North Peninsula can be found in Table 20.

NORTHWESTERN DISTRICT

In the 2010 Northwestern District commercial salmon fishery, a total of 5 Chinook, 54,805 sockeye, 525 coho, 6,450 pink, and 139,070 chum salmon were harvested (Table 21). With few large sockeye salmon producing systems, the Northwestern District receives less commercial fishing effort than the Northern District. The 2010 sockeye salmon harvest in the Northwestern District of 54,805 fish was below the 2000–2009 average harvest of 77,258 sockeye salmon (Table 22). The sockeye salmon catch in the Urilia Bay Section (28,040 fish) was the largest of any section in the Northwestern District in 2010, followed by the Izembek-Moffett Bay Section with 25,582 fish (Tables 2, 21, and 22). A total of 15 permit holders harvested sockeye salmon in the Urilia Bay Section which is about average (Table 2).

In 2010, the sockeye salmon harvests in the Bechevin Bay, Swanson Lagoon, Dublin, and Urilia Bay sections totaled 29,223 fish, which was below the 2000–2009 average of 55,514 sockeye salmon (Table 22). The vast majority of the sockeye salmon catch in the Izembek-Moffett Bay Section occurred in the Moffett Bay area with a harvest of 17,524 fish. The chum salmon catch of 139,070 fish in 2010 was well above the recent 10-year average of 51,605 fish (Table 9). The majority of the chum salmon harvest occurred in the Izembek-Moffett Bay Section (125,382 fish) followed by the Bechevin Bay Section (10,635 fish; Table 21). The pink salmon harvest (6,450 salmon) was below the previous even-year ten-year average of 21,237 fish, with the majority of the harvest occurring in the Bechevin Bay Section (5,190 fish; Table 21).

NELSON LAGOON SECTION

The total Nelson River system run, consisting of the Nelson Lagoon Section harvest and escapements of all Nelson River tributaries, was 250,715 sockeye salmon. The harvest of 93,715 sockeye salmon (Tables 4 and 21) was below the 2000–2009 average harvest of 292,001 fish, and the lowest since 1977 (Table 4; Figure 8). In most years, the Nelson Lagoon Section is open to commercial salmon fishing 5–6 days per week. However, in 2010, the run was weaker than expected and struggled to meet interim escapement objectives. As a result the section was closed from July 2 through July 25 (Tables 23 and 24). Such a lengthy closure during the peak of the run is unprecedented for the Nelson Lagoon Section. During the closure, aerial surveys were regularly flown on Nelson River. Sockeye salmon were observed in the Caribou and David's rivers in early July far upriver and almost on the spawning grounds. This is atypical and would be expected in late July and early August. At the end of the season, a larger than typical escapement was documented in Caribou and David's rivers, tributaries of Nelson River below the weir (Appendix A2). In addition, a buildup of sockeye salmon (about 20,000 fish) was observed in the mainstem of Nelson River. These fish, which had not passed the weir and appeared to be holding, were sufficient to meet the end of season escapement goal. The Nelson

River system sockeye salmon run was weaker than expected and the lowest in decades, while the sockeye salmon run to the Caribou and David's rivers was earlier and stronger than usual.

When the commercial salmon fishery reopened on July 26, the sockeye run had already peaked and was tapering off. Not surprisingly, the peak daily catch occurred prior to the closure, on June 28 when 23 permit holders harvested 9,786 sockeye salmon (Table 24). The largest weekly harvest in Nelson Lagoon occurred between June 28 and July 4 when 28,713 fish were harvested (Table 2; Figure 9).

After August 15, the Nelson Lagoon Section is managed based on coho salmon run strength. The 2010 Nelson Lagoon coho salmon harvest of 44,821 fish was the fifth largest catch in the past 10 years and represented about 72% of the total North Alaska Peninsula coho salmon harvest during 2010 (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, Sandy, and Ilnik river sockeye salmon stocks through June and July (Murphy and Hartill 2010).

In 2010, management of the Bear River and Three Hills sections were greatly influenced by a weak Sandy River run. Throughout June and July, escapement into Sandy River either didn't meet or barely met interim escapement objectives. Due to the weak run, beginning June 21 large closed water markers were instituted in the Bear River Section to protect Sandy River fish. The Three Hills section did not open until July 19. Throughout this time the Bear River early-run was meeting its interim escapement objectives.

Management of the Bear River late sockeye salmon run begins on August 1. In 2010, the Port Moller Bight, Bear River, Three Hills, and Ilnik sections were closed during the transition period between the early and late runs, from July 31 through August 9. To assess the strength of the Bear River late run a test fishery was conducted on August 4 and 8. Based on the results of the first test fishery there did not appear to be a buildup of fish near the mouth of Bear River. On August 7 the daily weir count nearly doubled from the previous day, indicating the run was building in strength. Based on that, another test fishery was conducted the following day. On August 8 considerably more fish were observed near the mouth of Bear River. In addition to an increase in the marine buildup of sockeye salmon, the number of fish passing the Bear River weir was sufficient to meet the late run interim escapement objectives (Murphy and Hartill 2010; Appendices B1–B4; Table 26). The combination of consistent escapement counts at the Bear River weir and strong catches in the test fishery allowed the Ilnik and Three Hills sections to open to commercial salmon fishing. Although the weir counts had met interim escapement objectives, they were not strong enough to warrant allowing all of the Bear River Section to open. As a result, a portion of the Bear River section opened concurrently with the Ilnik and Three Hills sections. To protect the milling fish observed in the test fishery and to ensure interim escapement objectives were met, no commercial fishing was allowed from the southern 1,000-yard regulatory marker at the King Salmon River to Cape Seniavin. The weir counts remained consistent until August 13 when 15,421 fish passed the weir. This high daily escapement also coincided with a high water event on the Mad Sow River (a tributary to Bear River). The next day the Mad Sow River flooded into Bear River upstream of the weir. The combination of the

high water, strong winds, and an influx of debris washed out the Bear River weir. The high water persisted for several days. Over that time several of the weir tripods were washed downstream and a channel was scoured into the substrate, precluding the re-installation of the weir. After the weir washed out escapement was estimated using catch-per-unit effort, aerial surveys and historical run timing. The large closed water area in the Bear River Section stayed in place until August 17, when it was reduced but not eliminated. The late run escapement was estimated to be 142,966 fish, meeting the late run escapement goal of 117,000–293,000 (Honnold et al. 2007; Tables 16 and 17).

Harvest in the Bear River Section, which includes the area from Port Moller to Cape Seniavin, occurred from June 7 to September 12. During this time 106 permit holders harvested a total of 558,702 sockeye salmon, which was below the 2000–2009 average harvest of 599,527 fish (Table 4; Table 25). The largest weekly harvest in the Port Moller Bight and Bear River sections combined was 69,749 sockeye salmon and occurred between August 23 and August 29 (Table 2). The largest daily harvest was 23,192 sockeye salmon on July 9 (Table 25). The late-run harvest of 298,062 fish, which was below the previous ten-year average of 397,157 fish (Table 16), accounted for nearly half of the total Bear River Section harvest.

Since 2000, harvest effort in the Three Hills Section has steadily declined. This can be attributed to an overall decrease in North Alaska Peninsula effort, redistribution of the effort in the Northern District, and a reduction in fishing time due to inseason management actions implemented to protect local stocks. The low harvest in 2010 (51,556 sockeye salmon, 2000–2009 average was 192,196 fish) is likely due to lengthy closures. For example, harvest occurred on only 17 days in 2010, compared to an average of 47 days from 2005–2009. Harvest in the Three Hills Section occurred from July 19 through September 6. Throughout this time a total of 52 permit holders fished in the section with an average of six permit holders per day (Table 27).

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 is based on the Ilnik River weir escapement and Meshik River sockeye salmon escapement (as determined by aerial surveys). In that portion of the Ilnik Section southwest of Unangashak Bluffs, management actions are based on Ilnik River weir escapement levels and Ocean River escapement.

The Ilnik Section outside of Ilnik Lagoon opened to commercial salmon fishing on June 28. At that time the cumulative Ilnik River sockeye salmon escapement was about 27,500 fish, surpassing the June 30 interim escapement objective of 12,000–20,000 fish. The Ilnik sections northeast and southwest of Unangashak Bluffs, were open concurrently throughout the season, from June 28 and through September 4. During that time, effort was far greater during the last few days of June and through July (averaging 46 permits per day) than during August and the beginning of September (average 6 permits per day; Table 28). While the Ilnik Section could have opened as early as June 20, the daily weir counts during that time were highly variable, which increased the difficulty in assessing the overall run strength. Furthermore, based on early season escapement and catches, it appeared the Ilnik River run (and others) were building in strength slower than normal. This abnormality may have been due in part to colder than typical offshore water temperatures

In 2010, a total of 125 permit holders harvested 660,074 sockeye salmon in the Ilnik Section (Table 28). About 25% of the harvest (163,895 sockeye salmon) occurred southwest of Unangashak Bluffs, and about 75% (496,179 sockeye salmon) was harvested between Unangashak Bluffs and Strogonof Point (Table 21; Figures 2 and 3). The 2010 peak daily catch in the Ilnik Section was 83,003 sockeye salmon on June 29 (Table 28).

Between July 20 and August 15, the Ilnik Section is managed based on the abundance of Bear River sockeye salmon stocks (Murphy and Hartill 2010). After August 15, by regulation, the Ilnik Section is managed on the basis of coho salmon runs into Ilnik Lagoon. Although regulation states management is based on coho salmon, coho were not targeted in the Ilnik Section in 2010, but rather were harvested incidentally to sockeye salmon. Harvest of coho salmon began to pick up in late July and peaked on August 12, when 426 coho salmon were harvested (Table 28). The total coho salmon commercial harvest in the Ilnik Section in 2010 was 3,112 fish, which was below the most recent 10-year average of 8,770 fish (Table 6). Harvest and effort began to taper off in early September, at which time the remaining fishermen either quit fishing for the season or fished closer to Port Moller.

No commercial salmon fishing effort occurred inside Ilnik Lagoon in 2010 even though extensive fishing time was permitted (Table 21).

OUTER PORT HEIDEN SECTION

This was the fourth year a directed sockeye salmon fishery occurred in the Outer Port Heiden Section. 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 (Murphy and Hartill 2010). The earliest the Outer Port Heiden Section can open is June 20, but in 2010 it did not open until June 24 due to low escapement in the Meshik River and variable weir counts in the Ilnik River. The weekly fishing period in the Outer Port Heiden Section allows 2.5 days of fishing time per week. Due to the contentious nature of the Outer Port Heiden fishery, no more than 2.5 days of fishing time per week were allowed throughout the season. This schedule was followed through July 28 (Table 23). In 2010, 112 permit holders harvested 786,025 sockeye salmon from the Outer Port Heiden Section, both of which were highest totals since 2007 (Table 2 and 29). The peak daily catch was on July 8 when 87 permit holders harvested 88,231 sockeye salmon (Table 29). The largest weekly harvest of 230,784 sockeye salmon occurred during the period July 5 to July 11 (Table 2; Figure 7).

Since reopening in 2007, effort and harvest in the Outer Port Heiden Section has increased (Figure 10; Table 4). The increase in effort is a direct result of the redistribution of the Northern District fleet to the Outer Port Heiden Section and an increase in the number of permit holders fishing in the Northern District over the last three years. Despite the increase in effort and harvest, escapement into Meshik and Ilnik rivers has either met or exceeded their escapement goals in each of the years since 2007.

INNER PORT HEIDEN AND CINDER RIVER SECTIONS

In 2010, fewer than three permit holders fished in the Inner Port Heiden Section. Due to confidentiality requirements this information cannot be reported. No Area T permit holders fished in the overlap area. There was also no effort in the Cinder River Section by Area M permit holders (Table 30).

EMERGENCY ORDERS

In 2010, there were a total of 47 emergency orders issued concerning North Alaska Peninsula salmon fisheries (Table 23). The first emergency order for the North Alaska Peninsula was issued on June 13 and the last on September 8. Emergency orders for North Alaska Peninsula fisheries were issued from the regional Fish and Game offices in Port Moller and Cold Bay in 2010.

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TABLES AND FIGURES

Table 1.—North Peninsula salmon runs by species, 1962–2010.

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	

-continued-

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	820,000		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	894,000		300,000	729,500	
	Total	20,928	1,981,552		334,810	799,016	
1999	Catch	4,886	1,783,804	53,907	4,367	50,120	1,897,084
	Escapement ^a	10,900	897,300		25,000	666,300	
	Total	15,786	2,681,104		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	927,200		70,900	594,700	
	Total	13,504	2,896,082		105,273	688,396	
2001	Catch	4,412	1,147,030	22,162	12,469	174,523	1,360,596
	Escapement ^a	13,300	875,400		24,300	692,700	
	Total	17,712	2,022,430		36,769	867,223	
2002	Catch	3,852	1,415,872	28,751	21,461	51,040	1,520,976
	Escapement ^a	18,900	894,500	289,333 ^d	24,900	679,900	
	Total	22,752	2,310,372	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	1,231,411	337,800 ^d	20,000	450,660	
	Total	15,623	2,708,802	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	1,433,827	520,400 ^d	122,000	434,950	
	Total	41,276	3,867,605	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	1,556,811	138,169 ^d	52,628	296,640	
	Total	39,815	4,672,603	206,849	56,458	339,179	
2006	Catch	7,637	2,375,158	93,955	64,207	131,718	2,672,675
	Escapement ^a	32,173	1,157,546	229,440 ^d	252,462	576,043	
	Total	39,810	3,532,704	323,395	316,669	707,761	
2007	Catch	7,609	3,408,818	69,010	137,882	181,009	3,804,328
	Escapement ^a	20,685	1,069,752	74,050 ^{d,e}	45,509	578,784	
	Total	28,294	4,478,570	143,060	183,391	759,793	
2008	Catch	1,799	2,003,906	125,237	21,136	177,364	2,329,442
	Escapement ^a	36,072	1,013,170	178,925 ^d	49,400	470,287	
	Total	37,871	3,017,076	304,162	70,536	647,651	
2009	Catch	3,189	2,426,601	67,601	275,083	105,994	2,878,468
	Escapement ^a	12,807	934,400	206,695 ^d	91,441	232,591	
	Total	15,996	3,361,001	274,296	366,524	338,585	

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Table 1.–Page 5 of 5.

Year		Number of Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
2010	Catch	2,772	2,229,978	62,147	7,833	259,063	2,561,793
	Escapement ^a	9,387	875,100		32,412	289,410	
	Total	12,159	3,105,078	62,147	40,245	548,473	
2010	Projected Catch	5,000	2,600,000	70,000	10,000	50,000	2,735,000
2000-2009 Average							
	Catch	5,655	2,177,323	64,611	31,401 ^f	101,160	2,409,237
	Escapement ^a	21,611	1,109,402	246,852	103,932 ^f	500,726	
	Total	27,265	3,286,725	314,388	135,333 ^f	601,885	

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

^a Escapements are estimated totals.

^b These figures are very rough extrapolated estimates.

^c Number of fish in thousands.

^d Escapement estimates are a minimum count.

^e No surveys were conducted in the Northern District.

^f Averages for pink salmon include only the even-numbered years 2000, 2002, 2004, 2006, and 2008.

Table 2.—North Peninsula salmon harvest by species, week, and section, all gear combined, 2010.

Catch Dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Urilia Bay Section												
21-Jun-27 Jun	11	16	0	0	9,722	54,235	0	0	0	0	46	314
28 Jun-04 Jul	4	11	0	0	8,566	48,056	0	0	0	0	0	0
12 Jul-18 Jul	5	12	2	38	9,752	57,586	0	0	0	0	2,616	18,307
Total	15	39	2	38	28,040	159,877	0	0	0	0	2,662	18,621
Swanson Lagoon Section												
26 Jul-01 Aug ^a												
02 Aug-08 Aug ^a												
Total	3	3	1	8	327	2,016	27	186	41	165	391	2,438
Bechevin Bay Section												
19 Jul-25 Jul	4	4	0	0	4	24	0	0	204	616	8,052	60,396
26 Jul-01 Aug	3	5	0	0	852	5,378	0	0	4,986	15,869	2,583	19,051
Total	4	9	0	0	856	5,402	0	0	5,190	16,485	10,635	79,447
Izembek-Moffet Bay Section												
05 Jul-11 Jul	4	11	0	0	8,935	52,392	0	0	0	0	21,209	137,832
12 Jul-18 Jul	3	15	0	0	6,624	38,136	0	0	57	180	24,702	178,482
19 Jul-25 Jul	5	11	0	0	1,476	10,393	172	1,035	83	253	10,725	77,512
26 Jul-01 Aug	8	14	1	18	3,557	19,767	100	546	679	2,147	21,301	173,907
02 Aug-08 Aug	10	32	1	5	4,990	28,789	226	1,414	400	1,316	47,445	348,488
Total	12	83	2	23	25,582	149,477	498	2,995	1,219	3,896	125,382	916,221
Black Hills Section												
05 Jul-11 Jul ^a												
26 Jul-01 Aug	7	11	0	0	8,057	45,688	26	155	0	0	627	4,762
02 Aug-08 Aug	13	33	5	68	8,824	47,664	195	1,217	35	74	5,110	36,098
09 Aug-15 Aug	10	10	0	0	6,703	33,921	554	2,799	257	514	2,863	19,733
16 Aug-22 Aug ^a												
23 Aug-29 Aug ^a												
Total	21	57	6	84	24,449	131,775	1,026	6,119	292	588	8,723	61,457

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Table 2.-Page 2 of 4.

Catch Dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Nelson Lagoon Section												
07 Jun-13 Jun	4	7	17	306	729	4,014	0	0	0	0	0	0
14 Jun-20 Jun	10	31	28	470	7,881	39,461	0	0	0	0	0	0
21-Jun-27 Jun	22	79	150	2,890	18,877	98,321	0	0	0	0	0	0
28 Jun-04 Jul	24	87	156	3,321	28,713	159,220	0	0	0	0	1	8
26 Jul-01 Aug	21	89	6	128	16,869	94,003	407	2,672	0	0	2,962	22,512
02 Aug-08 Aug	17	83	1	31	9,053	48,059	967	5,809	40	79	1,581	11,390
09 Aug-15 Aug	16	60	0	0	7,001	35,318	3,172	18,776	0	0	360	2,492
16 Aug-22 Aug	15	59	0	0	2,162	12,003	6,345	48,026	0	0	27	187
23 Aug-29 Aug	16	89	2	18	1,860	10,886	19,047	169,795	0	0	0	0
30 Aug-05 Sep	16	84	0	0	421	2,411	9,394	83,310	0	0	0	0
06 Sep-12 Sep	16	70	0	0	149	852	5,489	49,147	0	0	0	0
Total	29	738	360	7,164	93,715	504,548	44,821	377,535	40	79	4,931	36,589
Port Moller to Cape Seniavin												
(Includes Port Moller Bight and Bear River Sections)												
07 Jun-13 Jun	6	17	361	4,650	2,072	11,427	0	0	0	0	2	11
21-Jun-27 Jun	39	102	500	9,035	55,169	291,307	2	13	0	0	132	790
28 Jun-04 Jul	21	99	346	6,668	60,181	332,812	0	0	0	0	951	6,534
05 Jul-11 Jul	22	114	126	2,540	60,138	326,960	0	0	0	0	4,040	25,545
12 Jul-18 Jul	25	109	32	553	48,538	271,008	2	6	0	0	7,081	52,254
19 Jul-25 Jul	65	196	17	331	51,275	297,987	105	660	0	0	13,244	89,544
26 Jul-01 Aug	48	150	15	239	37,362	220,027	1,146	7,090	40	129	8,769	56,761
09 Aug-15 Aug	30	68	0	0	15,444	84,019	514	3,542	86	258	607	4,286
16 Aug-22 Aug	66	204	3	58	49,284	254,700	1,395	8,946	302	913	637	4,443
23 Aug-29 Aug	58	229	2	20	69,749	362,325	2,974	20,348	256	822	378	2,653
30 Aug-05 Sep	45	189	0	0	63,683	317,106	2,626	17,994	7	21	106	737
06 Sep-12 Sep	30	91	0	0	44,578	206,339	809	6,529	0	0	13	86
13 Sep-19 Sep ^a												
Total	110	1,583	1,402	24,094	559,118	2,984,715	9,632	65,574	691	2,143	80,948	535,466

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Table 2.—Page 3 of 4.

Catch Dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
Cape Seniavin to Strogonof Point													
(Three Hills & Ilnik Sections Combined)													
28 Jun-04 Jul	109	428	254	4,004	267,736	1,617,731	1	6	0	0	3,142	19,306	
05 Jul-11 Jul	116	402	110	2,079	194,519	1,199,391	0	0	6	16	3,756	23,841	
12 Jul-18 Jul	114	389	39	583	138,699	840,074	17	102	2	6	4,743	30,315	
19 Jul-25 Jul	61	152	9	140	37,392	216,663	326	1,976	6	18	3,410	23,719	
26 Jul-01 Aug	32	81	5	62	19,003	106,944	1,098	6,470	6	15	2,899	19,530	
09 Aug-15 Aug	42	99	2	36	9,816	51,216	1,452	9,992	309	973	928	6,377	
16 Aug-22 Aug	19	38	0	0	5,301	27,622	380	2,683	2	6	82	571	
23 Aug-29 Aug	20	56	0	0	12,507	68,426	666	5,447	15	39	78	546	
30 Aug-05 Sep	21	78	0	0	24,270	122,571	1,288	10,651	0	0	29	192	
06 Sep-12 Sep	5	8	0	0	1,785	8,233	77	528	0	0	11	77	
Total	125	1,731	419	6,904	711,630	4,262,188	5,305	37,855	346	1,073	19,078	124,474	
Port Moller to Strogonof Point													
(Port Moller Bight, Bear River, Three Hills, and Ilnik Sections Combined)													
07 Jun-13 Jun	6	17	361	4,650	2,072	11,427	0	0	0	0	2	11	
21-Jun-27 Jun	39	102	500	9,035	55,169	291,307	2	13	0	0	132	790	
28 Jun-04 Jul	125	525	600	10,672	327,917	1,950,543	1	6	0	0	4,093	25,840	
05 Jul-11 Jul	133	516	236	4,619	254,657	1,526,351	0	0	6	16	7,796	49,386	
12 Jul-18 Jul	132	498	71	1,136	187,237	1,111,082	19	108	2	6	11,824	82,569	
19 Jul-25 Jul	108	350	26	471	88,667	514,650	431	2,636	6	18	39,680	255,827	
26 Jul-01 Aug	73	240	20	301	56,365	326,971	2,244	13,560	46	144	33,627	225,528	
09 Aug-15 Aug	57	167	2	36	25,260	135,235	1,966	13,534	395	1,231	1,535	10,663	
16 Aug-22 Aug	73	241	3	58	54,585	282,322	1,775	11,629	304	919	719	5,014	
23 Aug-29 Aug	59	285	2	20	82,256	430,751	3,640	25,795	271	861	456	3,199	
30 Aug-05 Sep	48	266	0	0	87,953	439,677	3,914	28,645	7	21	135	929	
06 Sep-12 Sep	33	99	0	0	46,363	214,572	886	7,057	0	0	24	163	
13 Sep-19 Sep ^a													
Total	142	3,310	1,821	30,998	1,270,748	7,246,903	14,937	103,429	1,037	3,216	100,026	659,940	
Outer Port Heiden Section													
21-Jun-27 Jun	95	298	460	6,661	140,080	829,776	0	0	1	3	938	6,103	
28 Jun-04 Jul	96	283	67	1,191	223,340	1,364,221	0	0	4	10	1,145	7,844	

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Table 2.–Page 4 of 4.

Catch Dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
05 Jul-11 Jul	90	302	24	444	230,784	1,423,401	0	0	2	6	1,559	10,609
12 Jul-18 Jul	83	244	18	259	126,075	744,174	0	0	0	0	1,525	9,881
19 Jul-25 Jul	65	133	6	71	50,044	281,164	55	312	7	19	767	4,906
26 Jul-01 Aug	23	51	5	70	15,702	80,318	783	4,707	0	0	379	2,569
Total	112	1,311	580	8,696	786,025	4,723,054	838	5,019	14	38	6,313	41,912
<i>Cinder River Section^b</i>												
Total	0	0	0	0	0	0	0	0	0	0	0	0
<i>Entire North Peninsula</i>												
07 Jun-13 Jun	10	24	378	4,956	2,801	15,441	0	0	0	0	2	0
14 Jun-20 Jun	10	31	28	470	7,881	39,461	0	0	0	0	0	7,207
21-Jun-27 Jun	133	495	1,110	18,586	223,848	1,273,639	2	13	1	3	1,116	33,692
28 Jun-04 Jul	154	906	823	15,184	589,138	3,525,357	1	6	4	10	5,239	197,827
05 Jul-11 Jul	138	829	261	5,079	494,441	3,002,484	0	0	8	22	30,564	289,239
12 Jul-18 Jul	138	769	91	1,433	329,924	1,952,393	19	108	59	186	40,667	398,641
19 Jul-25 Jul	122	498	32	542	140,191	806,231	658	3,983	300	906	59,224	449,668
26 Jul-01 Aug	103	395	32	517	101,639	573,604	3,584	21,808	5,739	18,247	61,686	397,075
02 Aug-08 Aug	36	149	8	112	22,957	125,049	1,391	8,458	488	1,547	54,320	32,888
09 Aug-15 Aug	81	237	2	36	38,964	204,474	5,692	35,109	652	1,745	4,758	6,037
16 Aug-22 Aug	87	301	3	58	57,349	297,333	8,220	60,255	304	919	865	3,227
23 Aug-29 Aug	75	375	4	38	84,314	442,791	22,838	196,938	271	861	460	929
30 Aug-05 Sep	64	350	0	0	88,374	442,088	13,308	111,955	7	21	135	163
06 Sep-12 Sep	49	169	0	0	46,512	215,424	6,375	56,204	0	0	24	21
13 Sep-19 Sep ^a												
Total	173	5,532	2,772	47,011	2,229,978	12,924,467	62,147	495,283	7,833	24,467	259,063	1,816,625

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

^a Confidentiality requirements prohibit reporting the harvest.

^b There was no commercial salmon harvest effort in the Cinder River Section in 2010.

Table 3.–Northern District Chinook salmon runs in number of fish by section, 1962–2010.

		Cinder River	Outer Port	Inner Port	Three Hills		Port Moller Bight &	Nelson		Northern
		Section	Heiden	Heiden	& Ilnik	Bear River	Herendeen Moller	Lagoon	Caribou Flats &	District
Year			Section ^a	Section	Sections	Section	Bay Sections	Section ^b	Black Hills	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 ^c	0	500	300	3,000	0	5,100	1,300	11,000
	Total	800 ^c	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 6.

		Cinder River	Outer Port	Inner Port	Three Hills		Port Moller Bight &,	Nelson		Northern
		Section	Heiden	Heiden	& Ilnik	Bear River	Herendeen Moller	Lagoon	Caribou Flats &	District
Year		Section	Section ^a	Section	Sections	Section	Bay Sections	Section ^b	Black Hills	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 ^d	0	4,200	4,000	13,700
	Total	1,100	0	12,940	41	843 ^d	745	7,550	4,000	27,219

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Table 3.–Page 3 of 6.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills & Ilnik Sections	Bear River Section	Port Moller Bight & Herendeen Moller Bay Sections	Nelson Lagoon Section ^b	Caribou Flats & Black Hills	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 ^c	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 ^c	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 ^c	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 6.

		Cinder River	Outer Port	Inner Port	Three Hills		Port Moller Bight &,	Nelson		Northern
		Section	Heiden	Heiden	& Ilnik	Bear River	Herendeen Moller	Lagoon	Caribou Flats &	District
Year		Section	Section ^a	Section	Sections	Section	Bay Sections	Section ^b	Black Hills	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 ^c	0	3,200 ^c	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 6.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills & Ilnik Sections	Bear River Section	Port Moller Bight & Herendeen Moller Bay Sections	Nelson Lagoon Section ^b	Caribou Flats & Black Hills	Northern District Totals
1996	Catch	748	0	8	369	1,298	73	2,308	128	4,932
	Escapement ^c	4,000 ^c	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 6.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills & Ilnik Sections	Bear River Section	Port Moller Bight & Herendeen Moller Bay Sections	Nelson Lagoon Section ^b	Caribou Flats & Black Hills	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
2000-2009 Average										
	Catch	94	194	132	1,435	1,950	5	1,770	68	5,809
	Escapement ^c	4,420	0	6,015	42	2,962	0	4,882	3,309	21,440
	Total	4,514	194	6,147	1,478	4,912	5	6,652	3,377	27,249

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

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

^b Entire Nelson Lagoon watershed.

^c Escapements are estimated totals.

Table 4.—Northern District sockeye salmon runs in number of fish, by section, 1962–2010.

		Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden	Ilnik	Three Hills	Bear River ^b	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
13	1962 ^c Catch	900	0	17,800	9,700	^d	142,900	152,600	0	69,600	0	240,900
	Escapement	5,000	0	19,000	5,900	^d	215,000	220,900	100	54,200	1,000	300,200
	Total	5,900	0	36,800	15,600	^d	357,900	373,500	100	123,800	1,000	541,100
	1963 ^c Catch	0	0	0	26,600	^d	120,000	146,600	0	71,500	0	218,100
	Escapement	1,400	0	14,200	10,400	^d	238,600	249,000	100	31,000	1,300	297,000
	Total	1,400	0	14,200	37,000	^d	358,600	395,600	100	102,500	1,300	515,100
	1964 ^c Catch	0	0	6,300	33,300	^d	107,500	140,800	0	88,700	0	235,800
	Escapement	1,500	0	10,000	6,500	^d	250,200	256,700	200	80,000	1,500	349,900
	Total	1,500	0	16,300	39,800	^d	357,700	397,500	200	168,700	1,500	585,700
	1965 ^c Catch	0	0	9,700	58,400	^d	62,400	120,800	100	53,800	0	184,400
	Escapement	7,500	0	30,000	12,500	^d	137,000	149,500	0	37,000	500	224,500
	Total	7,500	0	39,700	70,900	^d	199,400	270,300	100	90,800	500	408,900
	1966 ^c Catch	0	0	8,000	11,000	^d	152,600	163,600	0	60,000	0	231,600
	Escapement	3,000	0	11,700	24,300	^d	185,000	209,300	600	36,500	2,300	263,400
	Total	3,000	0	19,700	35,300	^d	337,600	372,900	600	96,500	2,300	495,000
	1967 ^c Catch	0	0	3,100	0	^d	156,100	156,100	12,500	40,200	0	211,900
	Escapement	3,800	0	12,000	26,400	^d	200,000	226,400	200	42,000	500	284,900
	Total	3,800	0	15,100	26,400	^d	356,100	382,500	12,700	82,200	500	496,800
	1968 ^c Catch	0	0	0	78,600	^d	90,500	169,100	3,400	51,100	0	223,600
	Escapement	4,100	0	15,000	15,000	^d	166,000	181,000	400	31,000	2,000	233,500
	Total	4,100	0	15,000	93,600	^d	256,500	350,100	3,800	82,100	2,000	457,100
	1969 ^c Catch	0	0	5,200	24,000	^d	205,500	229,500	4,400	72,800	0	311,900
	Escapement	3,800	0	15,000	15,600	^d	406,000	421,600	100	78,500	2,500	521,500
	Total	3,800	0	20,200	39,600	^d	611,500	651,100	4,500	151,300	2,500	833,400

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Table 4.—Page 2 of 7.

Year	Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden	Ilnik	Three Hills	Bear River ^b	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1970 ^c Catch	0	0	0	21,011	^d	109,209	130,220	1,672	52,043	21	183,956
Escapement	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 ^c Catch	0	0	0	16,153	40,929	238,628	295,710	1,301	47,536	0	344,547
Escapement	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 ^c Catch	0	0	2	4,478	7,513	136,160	148,151	1,006	23,227	0	172,386
Escapement	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 ^c Catch	0	0	0	0	16,659	117,678	134,337	3,287	23,896	0	161,520
Escapement	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 ^c Catch	0	0	0	0	46,895	157,457	204,352	7,730	25,611	34	237,727
Escapement	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 ^c Catch	0	0	644	411	8,296	165,730	174,437	3,739	51,519	0	230,339
Escapement	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 ^c Catch	3	0	4,973	11,954	207,765	310,869	530,588	9,912	74,914	0	620,390
Escapement	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 ^c Catch	8	0	3,416	12,592	85,295	268,676	366,563	11,061	56,314	44	437,406
Escapement	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 7.

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

Year		Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden	Ilnik	Three Hills	Bear River ^b	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
34	1986 ^c Catch	3	686	38,042	560,339	588,501	938,177	2,087,017	1,294	178,401	2	2,305,445
	Escapement	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 ^c Catch	214	0	2,359	506,916	212,435	213,958	933,309	679	128,471	62	1,065,094
	Escapement	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 ^c Catch	43	647	9,951	494,616	258,982	494,951	1,248,549	3,850	186,616	0	1,449,656
	Escapement	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 ^c 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	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 ^c 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	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 ^c 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	47,400	0	26,500	135,000	200	681,200	816,400	500 ^e	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 ^e	553,160	25,382	3,389,179
	1992 ^c 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	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 ^c 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	20,000 ^e	0	50,000 ^e	70,000	300	501,900	572,200	400	267,200	10,200	920,000
	Total	28,903	0	50,518 ^e	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 7.

Year		Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden	Ilnik	Three Hills	Bear River ^b	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1994 ^c	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	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 ^c	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	47,500	0	85,600	39,000	400	430,400	469,800	2,000	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 ^c	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	60,000 ^e	0	60,000	62,500	0	431,100	493,600	6,000	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 ^c	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	33,000	0	40,000 ^e	83,000	400	398,000	481,400	900	190,100	6,100	751,500
	Total	41,342	0	42,222 ^e	845,638	263,489	1,040,461	2,149,588	9,593	574,470	26,841	2,844,056
1998 ^c	Catch	8,321	0	249	470,560	106,856	251,327	828,743	799	161,441	36,684	1,036,237
	Escapement	57,000	0	59,200	50,600	300	469,100	520,000	700	165,300	7,700	809,900
	Total	65,321	0	59,449	521,160	107,156	720,427	1,348,743	1,499	326,741	44,384	1,846,137
1999 ^c	Catch	19,004	0	877	617,330	200,239	557,805	1,375,374	2,397	237,293	25,324	1,660,269
	Escapement	12,400	0	76,000	75,000	100	408,000	483,100	2,500	223,300	11,300	808,600
	Total	31,404	0	76,877	692,330	200,339	965,805	1,858,474	4,897	460,593	36,624	2,468,869
2000 ^c	Catch	7,984	0	68	769,548	403,470	473,631	1,646,649	4,090	193,694	13,951	1,866,436
	Escapement	51,000	0	184,600	95,000	0	275,000	370,000	500	182,700	8,400	797,200
	Total	58,984	0	184,668	864,548	403,470	748,631	2,016,649	4,590	376,394	22,351	2,663,636
2001 ^c	Catch	5,482	0	0	205,041	165,878	527,284	898,203	1,975	174,363	16,263	1,096,286
	Escapement	33,000	0	115,000	59,000	300	351,000	410,300	500	207,100	8,600	774,500
	Total	38,482	0	115,000	264,041	166,178	878,284	1,308,503	2,475	381,463	24,863	1,870,786

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Table 4.–Page 6 of 7.

		Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden	Ilnik	Three Hills	Bear River ^b	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
36	2002 ^c Catch	1,548	0	111	121,054	251,377	596,270	968,701	1,022	325,904	35,744	1,333,030
	Escapement	11,500	0	54,100	43,000	650	275,000	318,650	1,500	338,400	12,000	736,150
	Total	13,048	0	54,211	164,054	252,027	871,270	1,287,351	2,522	664,304	47,744	2,069,180
	2003 ^c Catch	2,775	0	0	267,495	238,674	491,857	998,026	44	373,252	40,126	1,414,223
	Escapement	102,700	0	114,000	69,000	300	432,000	501,300	500	364,211	11,100	1,093,811
	Total	105,475	0	114,000	336,495	238,974	923,857	1,499,326	544	737,463	51,226	2,508,034
	2004 ^c Catch	0	0	0	1,115,036	63,935	611,147	1,790,118	0	527,637	17,604	2,335,359
	Escapement	58,050	0	103,700	82,000	600	467,000	549,600	2,250	515,397	17,900	1,246,897
	Total	58,050	0	103,700	1,197,036	64,535	1,078,147	2,339,718	2,250	1,043,034	35,504	3,582,256
	2005 ^c 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	141,000	0	113,100	154,000	5,700	655,300	815,000	500	303,000	47,500	1,420,100
	Total	141,116	0	114,935	1,524,001	199,321	1,686,289	3,409,611	512	637,702	57,471	4,361,347
	2006 ^c Catch	0	0	1,151	1,317,901	153,343	576,552	2,047,796	0	255,265	8,430	2,312,642
	Escapement	101,100	0	142,610	88,000	1,800	493,000	582,800	3,000	226,000	7,530	1,063,040
	Total	101,100	0	143,761	1,405,901	155,143	1,069,552	2,630,596	3,000	481,265	15,960	3,375,682
	2007 ^c Catch	0	387,786	842	1,776,430	234,930	617,402	2,628,762	206	337,556	4,273	3,359,425
	Escapement	142,000	0	58,500	93,000	1,500	475,702	570,202	3,100	187,000	16,800	977,602
	Total	142,000	387,786	59,342	1,869,430	236,430	1,093,104	3,198,964	3,306	524,556	21,073	4,337,027
	2008 ^c Catch	0	320,857	1,574	885,634	123,344	417,261	1,426,239	128	183,330	20,332	1,952,460
	Escapement	129,800	0	86,250	44,300	2,000	353,200	399,500	1,220	178,600	44,000	839,370
	Total	129,800	320,857	87,824	929,934	125,344	770,461	1,825,739	1,348	361,930	64,332	2,791,830

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Table 4.–Page 7 of 7.

Year	Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden	Ilnik	Three Hills	Bear River ^b	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
2009 ^c Catch	0	762,643	0	651,624	93,388	652,873	1,397,885	0	214,302	14,712	2,389,542
Escapement	133,600	0	88,200	66,000	1,600	385,500	453,100	3,000	159,500	8,000	845,400
Total	133,600	762,643	88,200	717,624	94,988	1,038,373	1,850,985	3,000	373,802	22,712	3,234,942
2010 ^c Catch	0	786,025	236	660,074	51,556	558,702	1,270,332	416	93,715	24,449	2,175,173
Escapement	108,900	0	63,700	59,000	1,100	406,500	466,600	1,300	157,000	28,500	826,000
Total	108,900	786,025	63,936	719,074	52,656	965,202	1,736,932	1,716	250,715	52,949	3,001,173
2000-2009 Average ^c											
Catch	1,791	147,129	558	847,976	192,196	599,527	1,639,699	748	292,001	18,141	2,027,138
Escapement	90,375	0	106,006	79,330	1,445	416,270	497,045	1,607	266,191	18,183	975,727
Total	92,166	147,129	106,564	927,306	193,641	1,015,797	2,136,744	2,355	558,191	36,324	3,002,865

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

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

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

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

^d Ilnik Section and Three Hills Section combined.

^e These figuresd are extrapolated estimates.

Table 5.—Port Moller Bight, Bear River, Three Hills, and Ilnik sections combined salmon harvest by species and day, 2010.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 7-June	0	0	0	0	0	0	0
7-Jun	5	5	88	533	0	0	0
8-Jun	5	5	93	575	0	0	0
9-Jun	6	6	139	916	0	0	1
10-Jun ^a							
11-Jun to 20-Jun ^b							
21-Jun	7	7	69	2,531	0	0	11
22-Jun	27	33	167	16,463	0	0	16
23-Jun	19	21	80	6,375	1	0	17
24-Jun	11	12	81	7,618	0	0	7
25-Jun	14	23	95	18,129	0	0	38
26-Jun	6	6	8	4,053	1	0	43
27-Jun ^b							
28-Jun	113	129	164	69,542	0	0	687
29-Jun	112	139	114	96,500	0	0	679
30-Jun	115	127	139	84,454	1	0	849
1-Jul	48	51	80	31,472	0	0	394
2-Jul	35	36	42	14,250	0	0	378
3-Jul	44	44	61	32,301	0	0	1,106
4-Jul ^b							
5-Jul	124	126	49	61,545	0	3	1,517
6-Jul	125	132	38	57,743	0	3	1,667
7-Jul	102	121	67	50,183	0	0	1,770
8-Jul	45	45	29	26,028	0	0	926
9-Jul	43	62	44	41,305	0	0	1,219
10-Jul	29	30	9	17,853	0	0	697
11-Jul ^b							
12-Jul	40	44	8	22,597	0	0	712
13-Jul	43	46	9	30,214	0	0	1,178
14-Jul	58	58	8	29,279	1	0	1,756
15-Jul	126	135	20	35,288	6	2	2,952
16-Jul	113	115	11	35,176	4	0	2,886
17-Jul	98	100	15	34,683	8	0	2,340
18-Jul ^b							
19-Jul	44	47	3	9,228	3	0	3,335
20-Jul	68	68	4	16,732	35	0	1,982
21-Jul	53	53	7	14,446	4	0	2,952
22-Jul	76	80	10	21,080	98	6	3,786
23-Jul	55	60	1	16,188	136	0	2,816
24-Jul	42	42	1	10,993	155	0	24,809
25-Jul	54	55	1	18,572	448	1	4,688
26-Jul	57	58	7	14,092	380	20	8,824
27-Jul	37	37	7	7,995	487	10	9,213
28-Jul	35	36	0	5,947	391	2	2,996

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Table 5.–Page 2 of 2.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
29-Jul	26	28	3	5,357	307	6	1,235
30-Jul	21	24	2	4,402	231	7	962
31-Jul ^a							
1-Aug to 9-Aug ^b							
10-Aug	29	29	0	3,110	182	5	447
11-Aug	27	27	0	3,911	271	34	242
12-Aug	42	43	1	6,514	612	209	461
13-Aug	45	45	1	7,056	685	140	295
14-Aug	20	23	0	4,669	216	7	90
15-Aug	20	20	0	6,380	269	24	110
16-Aug	23	23	1	3,749	93	0	81
17-Aug	9	9	0	1,227	95	7	11
18-Aug	31	31	0	8,519	182	16	124
19-Aug	32	32	1	8,253	230	45	74
20-Aug	61	62	1	16,086	539	204	174
21-Aug	63	64	0	10,371	367	8	145
22-Aug	22	26	0	9,970	298	31	68
23-Aug	28	30	0	11,719	333	0	65
24-Aug	49	50	2	17,038	717	70	77
25-Aug	48	49	0	13,576	563	23	74
26-Aug	51	55	0	10,336	520	31	69
27-Aug	40	40	0	10,377	715	81	55
28-Aug	35	35	0	9,240	494	35	48
29-Aug	37	40	0	18,084	553	1	23
30-Aug	39	39	0	12,135	597	6	29
31-Aug	41	41	0	14,981	1,071	0	32
1-Sep	39	41	0	11,337	567	0	19
2-Sep	35	35	0	10,941	511	0	19
3-Sep	30	30	0	7,399	302	0	6
4-Sep	35	40	0	13,076	313	0	7
5-Sep	22	23	0	7,178	246	0	8
6-Sep	17	19	0	6,769	207	0	11
7-Sep	19	22	0	7,297	176	0	0
8-Sep	4	4	0	1,754	17	0	0
9-Sep	9	11	0	7,641	53	0	2
10-Sep	10	10	0	9,414	85	0	0
11-Sep	9	10	0	6,310	102	0	3
12-Aug ^a							
16-Aug ^a							

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

^a Confidentiality requirements prohibit releasing this information.

^b Fishery closed.

Table 6.–North Peninsula coho salmon harvest in number of fish by district and section, 2000–2010.

Section	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2000-2009 Average
Northwestern District												
Dublin Bay	0	0	0	0	0	0	0	0	0	0	0	0
Urilia Bay	5,601	0	0	0	0	0	0	0	0	0	0	560
Swanson Lagoon	27	0	0	0	0	0	23	10	0	0	27	6
Bechevin Bay ^a	0	0	0	0	0	0	109	3	41	50	272	20
Izembek - Moffet Bay ^a	0	23	25	37	15	901	92	142	1	0	226	124
Northwestern District Total	5,628	23	25	37	15	901	224	155	42	50	525	710
Northern District												
Black Hills	259	86	335	423	356	78	140	71	2,419	743	1,026	491
Caribou Flats	0	0	0	0	0	0	0	0	0	0	0	0
Nelson Lagoon	25,017	2,918	6,712	30,620	29,879	46,486	66,874	47,647	54,282	37,060	44,821	34,750
Herendeen - Moller Bay ^b	19	42	29	7	0	0	0	41	1	0	0	14
Bear River	10,111	10,031	13,080	10,379	1,743	9,046	11,580	9,076	33,400	9,809	9,632	11,826
Three Hills	5,630	3,135	5,863	3,982	944	2,177	4,422	4,111	10,646	6,862	2,193	4,777
Ilnik	12,584	4,488	2,387	5,617	649	7,870	10,715	7,281	24,428	11,682	3,112	8,770
Inner Port Heiden	11,623	0	0	0	0	0	0	0	0	0	0	1,162
Outer Port Heiden	0	0	0	0	0	0	0	628	19	507	838	115
Cinder River	12,784	1,439	320	2,072	334	2,122	0	0	0	888	0	1,996
Northern District Total	78,027	22,139	28,726	53,100	33,905	67,779	93,731	68,855	125,195	67,551	61,622	63,901
North Peninsula Total	83,655	22,162	28,751	53,137	33,920	68,680	93,955	69,010	125,237	67,601	62,147	64,611

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

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

^b Includes Port Moller Bight Section.

Table 7.–Northwestern District pink salmon runs in number of fish, 1962–2010.

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

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Table 7.–Page 2 of 5.

Year		Izembek - Moffet Bay ^a	Dublin, Urilia, & Bechevin bays & Swanson Lagoon ^a	Northwestern District Total ^b
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 ^a	Dublin, Urilia, & Bechevin bays & Swanson Lagoon ^a	Northwestern District Total ^b
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 ^a	Dublin, Uria, & Bechevin bays & Swanson Lagoon ^a	Northwestern District Total ^b
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 ^a	Dublin, Uria, & Bechevin bays & Swanson Lagoon ^a	Northwestern District Total ^b
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
2000-2009 Average ^d				
	Catch	1,179	20,149	21,327
	Escapement ^c	3,008	51,775	54,783
	Total	4,187	71,924	76,110

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

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

^b In 1983 only the Northwestern District catch includes a small harvest from the Dublin Bay Section.

^c Escapements are estimated totals.

^d Averages include only the even-numbered years 2000, 2002, 2004, 2006, and 2008.

Table 8.—Northern District chum salmon runs in number of fish, 1962–2010.

Year		Cinder River	Outer Port Heiden	Inner Port Heiden	Three Hills & Ilnik	Bear River	Port Moller Bight, Herendeen & Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	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 7.

Year		Cinder River	Outer Port Heiden	Inner Port Heiden	Three Hills & Ilnik	Bear River	Port Moller Bight, Herendeen & Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	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 7.

Year		Cinder River	Outer Port Heiden	Inner Port Heiden	Three Hills & Ilnik	Bear River	Port Moller Bight, Herendeen & Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	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	15,500 ^b	89,300	10,200	1,000 ^b	146,900
	Total	7,400	0	22,437	2,742 ^b	30,094 ^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 ^c	27,200	85,000	57,000	11,000 ^b	276,400
	Total	11,800 ^b	0	73,627 ^b	18,148 ^c	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 7.

Year		Cinder River	Outer Port Heiden	Inner Port Heiden	Three Hills & Inik	Bear River	Port Moller Bight, Herendeen & Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	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 7.

Year		Cinder River	Outer Port Heiden	Inner Port Heiden	Three Hills & Ilnik	Bear River	Port Moller Bight, Herendeen & Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	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 7.

Year		Cinder River	Outer Port Heiden	Inner Port Heiden	Three Hills & Ilnik	Bear River	Port Moller Bight, Herendeen & Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	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 7.

Year		Cinder River	Outer Port Heiden	Inner Port Heiden	Three Hills & Ilnik	Bear River	Port Moller Bight, Herendeen & Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	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
2000-2009 Average										
	Catch	1	2,142	11	17,821	14,105	5,947	5,462	4,067	49,554
	Escapement ^a	13,151	120	38,425	3,611	7,986	156,126	11,057	4,911	235,387
	Total	13,152	2,262	38,436	21,432	22,090	162,073	16,519	8,978	284,941

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

^a Escapements are estimated totals.

^b These figures are extrapolated estimates.

Table 9.–Northwestern District chum salmon runs in number of fish, 1962–2010.

Year		Izembek - Moffet Bay ^a	Swanson Lagoon, Bechevin, & Uria Bays ^a	Northwestern District Total ^b
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 ^a	Swanson Lagoon, Bechevin, & Urilia Bays ^a	Northwestern District Total ^b
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 ^a	Swanson Lagoon, Bechevin, & Uria Bays ^a	Northwestern District Total ^b
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 ^a	Swanson Lagoon, Bechevin, & Uria Bays ^a	Northwestern District Total ^b
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

-continued-

Table 9.–Page 5 of 5.

Year		Izembek - Moffet Bay ^a	Swanson Lagoon, Bechevin, & Uria Bays ^a	Northwestern District Total ^b
2008	Catch	79,229	24,911	104,140
	Escapement ^c	117,700	58,850	176,550
	Total	196,929	83,761	280,690
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
2000-2009 Average				
	Catch	32,698	18,907	51,605
	Escapement ^c	202,887	55,872	258,759
	Total	235,585	74,779	310,363

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

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

^b In 1983 only the Northwestern District catch includes a small harvest from the Dublin Bay Section.

^c Escapements are rounded indexed totals.

Table 10.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Nelson River weir, 2010.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
16-Jun	6	0	0	0	6	0	0	0
17-Jun	3	0	0	0	9	0	0	0
18-Jun	39	0	0	0	48	0	0	0
19-Jun	83	0	0	0	131	0	0	0
20-Jun	23	0	0	0	154	0	0	0
21-Jun	18	0	0	0	172	0	0	0
22-Jun	8	0	0	0	180	0	0	0
23-Jun	24	0	0	0	204	0	0	0
24-Jun	73	0	0	0	277	0	0	0
25-Jun	12	0	0	0	289	0	0	0
26-Jun	49	0	0	0	338	0	0	0
27-Jun	60	0	0	0	398	0	0	0
28-Jun	119	0	0	0	517	0	0	0
29-Jun	61	0	0	0	578	0	0	0
30-Jun	26	0	0	0	604	0	0	0
1-Jul	7	0	1	0	611	0	1	0
2-Jul	1	0	0	0	612	0	1	0
3-Jul	10	0	0	0	622	0	1	0
4-Jul	3	0	0	0	625	0	1	0
5-Jul	13	0	0	0	638	0	1	0
6-Jul	47	0	0	0	685	0	1	0
7-Jul	10	0	0	0	695	0	1	0
8-Jul	1	4	0	0	696	4	1	0
9-Jul	43	2	0	0	739	6	1	0
10-Jul	12	0	0	0	751	6	1	0
11-Jul	12	2	0	0	763	8	1	0
12-Jul	16	9	2	0	779	17	3	0
13-Jul	12	1	0	0	791	18	3	0
14-Jul	15	3	0	0	806	21	3	0
15-Jul	64	23	37	0	870	44	40	0
16-Jul	19	5	12	0	889	49	52	0
17-Jul	5	1	10	0	894	50	62	0
18-Jul	3	4	7	0	897	54	69	0
19-Jul	4	4	5	0	901	58	74	0
20-Jul	4	3	6	0	905	61	80	0
21-Jul	9	2	48	0	914	63	128	0
22-Jul	7	0	32	0	921	63	160	0
23-Jul	191	5	288	0	1,112	68	448	0
24-Jul	592	24	706	0	1,704	92	1,154	0
25-Jul	548	22	1,198	1	2,252	114	2,352	1
26-Jul	118	4	451	1	2,370	118	2,803	2
27-Jul	36	4	390	0	2,406	122	3,193	2
28-Jul	94	5	389	0	2,500	127	3,582	2
29-Jul	47	3	668	0	2,547	130	4,250	2
30-Jul	22	3	550	0	2,569	133	4,800	2

Table 11.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Bear River weir, 2010.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
Prior to 1-Jul	0	0	0	0	0	0	0	0
1-Jul	0	3	1	0	0	3	1	0
2-Jul	0	8	0	0	0	11	1	0
3-Jul	0	15	0	0	0	26	1	0
4-Jul	0	7	0	0	0	33	1	0
5-Jul	0	11	0	0	0	44	1	0
6-Jul	0	7	0	0	0	51	1	0
7-Jul	0	24	0	0	0	75	1	0
8-Jul	0	3	0	0	0	78	1	0
9-Jul	0	17	0	0	0	95	1	0
10-Jul	0	26	0	0	0	121	1	0
11-Jul	0	16	0	0	0	137	1	0
12-Jul	1	39	0	0	1	176	1	0
13-Jul	0	11	0	0	1	187	1	0
14-Jul	0	8	0	0	1	195	1	0
15-Jul	0	22	0	0	1	217	1	0
16-Jul	0	51	0	0	1	268	1	0
17-Jul	0	30	0	0	1	298	1	0
18-Jul	0	12	1	0	1	310	2	0
19-Jul	1	35	2	0	2	345	4	0
20-Jul	0	32	0	0	2	377	4	0
21-Jul	0	16	0	0	2	393	4	0
22-Jul	0	5	0	0	2	398	4	0
23-Jul	0	7	0	0	2	405	4	0
24-Jul	0	11	0	0	2	416	4	0
25-Jul	1	31	0	0	3	447	4	0
26-Jul	0	17	0	0	3	464	4	0
27-Jul	0	23	0	0	3	487	4	0
28-Jul	0	20	0	0	3	507	4	0
29-Jul	0	19	0	0	3	526	4	0
30-Jul	1	11	0	0	4	537	4	0
31-Jul	1	11	0	0	5	548	4	0
1-Aug	1	21	0	0	6	569	4	0
2-Aug	1	25	1	0	7	594	5	0
3-Aug	1	34	0	0	8	628	5	0
4-Aug	1	29	1	0	9	657	6	0
5-Aug	1	26	2	0	10	683	8	0
6-Aug	1	34	0	0	11	717	8	0
7-Aug	0	23	0	0	11	740	8	0
8-Aug	1	23	2	0	12	763	10	0
9-Aug	0	4	0	0	12	767	10	0
10-Aug	1	12	1	0	13	779	11	0
11-Aug	0	19	2	0	13	798	13	0
12-Aug	1	44	12	0	14	842	25	0
13-Aug	0	62	7	0	14	904	32	0
14-Aug	Weir washed out							

Table 12.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Sandy River weir, 2010.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
19-Jun	1	0	0	0	1	0	0	0
20-Jun	0	0	0	0	1	0	0	0
21-Jun	0	0	0	0	1	0	0	0
22-Jun	0	0	0	0	1	0	0	0
23-Jun	0	0	0	0	1	0	0	0
24-Jun	0	0	0	0	1	0	0	0
25-Jun	0	0	0	0	1	0	0	0
26-Jun	0	0	0	0	1	0	0	0
27-Jun	0	0	0	0	1	0	0	0
28-Jun	0	0	0	0	1	0	0	0
29-Jun	4	0	0	0	5	0	0	0
30-Jun	1	0	0	0	6	0	0	0
1-Jul	2	0	0	0	8	0	0	0
2-Jul	1	0	0	0	9	0	0	0
3-Jul	2	0	0	0	11	0	0	0
4-Jul	0	0	0	0	11	0	0	0
5-Jul	0	0	0	0	11	0	0	0
6-Jul	1	0	0	0	12	0	0	0
7-Jul	2	0	0	0	14	0	0	0
8-Jul	2	0	0	0	16	0	0	0
9-Jul	7	0	0	0	23	0	0	0
10-Jul	1	0	0	0	24	0	0	0
11-Jul	4	0	0	0	28	0	0	0
12-Jul	1	0	0	0	29	0	0	0
13-Jul	0	0	0	0	29	0	0	0
14-Jul	0	0	0	0	29	0	0	0
15-Jul	1	0	0	0	30	0	0	0
16-Jul	3	0	0	0	33	0	0	0
17-Jul	8	0	0	0	41	0	0	0
18-Jul	18	8	0	0	59	8	0	0
19-Jul	7	12	4	0	66	20	4	0
20-Jul	12	3	3	0	78	23	7	0
21-Jul	2	0	3	0	80	23	10	0

Table 13.–Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Ilnik River weir, 2010.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
12-Jun	2	0	0	0	2	0	0	0
13-Jun	0	0	0	0	2	0	0	0
14-Jun	1	0	0	0	3	0	0	0
15-Jun	0	0	0	0	3	0	0	0
16-Jun	2	0	0	0	5	0	0	0
17-Jun	0	0	0	0	5	0	0	0
18-Jun	0	0	0	0	5	0	0	0
19-Jun	0	0	0	0	5	0	0	0
20-Jun	0	0	0	0	5	0	0	0
21-Jun	1	0	0	0	6	0	0	0
22-Jun	2	0	0	0	8	0	0	0
23-Jun	0	0	0	0	8	0	0	0
24-Jun	0	0	0	0	8	0	0	0
25-Jun	1	0	0	0	9	0	0	0
26-Jun	0	0	0	0	9	0	0	0
27-Jun	0	0	0	0	9	0	0	0
28-Jun	1	0	0	0	10	0	0	0
29-Jun	0	1	0	0	10	1	0	0
30-Jun	0	2	0	0	10	3	0	0
1-Jul	0	4	0	0	10	7	0	0
2-Jul	1	2	0	0	11	9	0	0
3-Jul	2	1	0	0	13	10	0	0
4-Jul	0	2	0	0	13	12	0	0
5-Jul	0	2	0	0	13	14	0	0
6-Jul	0	2	0	0	13	16	0	0
7-Jul	1	2	0	0	14	18	0	0
8-Jul	0	7	0	0	14	25	0	0
9-Jul	0	4	0	0	14	29	0	0
10-Jul	0	2	0	0	14	31	0	0
11-Jul	0	7	0	0	14	38	0	0
12-Jul	0	2	0	0	14	40	0	0
13-Jul	0	2	0	0	14	42	0	0
14-Jul	0	2	0	0	14	44	0	0
15-Jul	0	3	0	0	14	47	0	0
16-Jul	0	5	0	0	14	52	0	0

Table 14.—Historical North Alaska Peninsula sockeye salmon escapements and escapement goals for systems with weirs, 1986–2010.

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	Goal	Escapement ^d	Goal
1986			272,500						22,900		25,700	
1987			258,000						26,300		15,300	
1988			310,000						27,000		2,000	
1989	193,300	-	451,000						5,700		4,000	
1990	240,700	-	546,800						22,550		14,000	
1991	268,400	-	606,000				135,000		19,600		39,300	
1992	162,300	-	450,000				45,000		21,100		15,200	
1993	207,200	-	452,000				70,000		50,000		20,000	
1994	325,300	-	465,000	200,000	115,000	-	75,000		31,900		83,400	
1995	329,400	100,000	305,000	to	125,000	-	39,000		67,600		47,500	6,000
1996	250,500	to	367,000	250,000	64,000	-	62,000		50,000	10,000	60,000	to
1997	183,100	150,000	360,000		38,000	-	82,000		40,000	to	33,000	12,000
1998	159,800	-	415,000		52,000	-	50,000		51,400	20,000	57,000	
1999	202,067	-	350,000		58,000	40,000	75,000		62,200		12,400	
2000	182,700	-	275,000		40,000	to	95,000	40,000	157,700		51,000	
2001	201,962	-	300,000		51,000	60,000	58,000	to	100,500		24,950	
2002	315,693	-	275,000		49,000	-	43,000	60,000	47,250		11,500	
2003	343,511	-	366,000		66,000	-	69,000		94,000		88,700	
2004	480,097		435,000		32,000	-	82,000		82,200		55,050	
2005	303,000		554,000		101,000	-	154,000		96,100		96,000	
2006	215,000	97,000	445,000	293,000	48,000		88,000		114,010		52,100	
2007	180,000	to	431,000	to	44,700		93,000		45,500		123,000	
2008	141,600	219,000	321,000	488,000	32,200	34,000 to	44,300		61,250		96,800	12,000
2009	157,000		349,500		36,000	74,000	66,000		63,500		102,600	to
2010	108,000		369,500		37,000		59,000		46,200	25k-100k	90,900	48,000
2000-2009 Avg	252,056		375,150		49,990		79,230		86,201		70,170	

^a Does not include David or Caribou Rivers.

^b Estimates are based on weir counts added to post weir escapement estimates. Only those years when weirs were present are included in the table.

^c From 2005-2010, the Ocean River did not flow into Ilnik Lagoon. In those years the escapement goal was reduced to 32,000-48,000 fish. Since 2005 the Ocean River escapements have been added to the Ilnik River weir count. In 2010 the Ocean River escapement was 16,000 fish.

^d Escapement is based on aerial surveys.

Table 15.—Sockeye salmon daily and cumulative escapement counts through the Nelson River weir, 2010.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
Prior to 16-Jun	0	0	0	0	0	0	-	-	0.0	0.0	0.0
16-Jun	83	2	85	83	2	85	97.6	2.4	0.1	0.1	0.1
17-Jun	336	1	337	419	3	422	99.7	0.3	0.5	0.1	0.5
18-Jun	347	6	353	766	9	775	98.3	1.7	0.9	0.4	0.9
19-Jun	1,192	3	1,195	1,958	12	1,970	99.7	0.3	2.2	0.5	2.2
20-Jun	767	8	775	2,725	20	2,745	99.0	1.0	3.1	0.8	3.0
21-Jun	1,377	11	1,388	4,102	31	4,133	99.2	0.8	4.7	1.2	4.6
22-Jun	812	3	815	4,914	34	4,948	99.6	0.4	5.6	1.3	5.5
23-Jun	2,164	23	2,187	7,078	57	7,135	98.9	1.1	8.1	2.3	7.9
24-Jun	3,098	21	3,119	10,176	78	10,254	99.3	0.7	11.6	3.1	11.3
25-Jun	790	11	801	10,966	89	11,055	98.6	1.4	12.5	3.5	12.2
26-Jun	1,909	34	1,943	12,875	123	12,998	98.3	1.7	14.7	4.9	14.4
27-Jun	2,367	28	2,395	15,242	151	15,393	98.8	1.2	17.4	6.0	17.0
28-Jun	1,466	31	1,497	16,708	182	16,890	97.9	2.1	19.0	7.2	18.7
29-Jun	2,536	47	2,583	19,244	229	19,473	98.2	1.8	21.9	9.1	21.6
30-Jun	2,441	99	2,540	21,685	328	22,013	96.1	3.9	24.7	13.0	24.4
1-Jul	2,481	117	2,598	24,166	445	24,611	95.5	4.5	27.5	17.6	27.2
2-Jul	302	21	323	24,468	466	24,934	93.5	6.5	27.9	18.4	27.6
3-Jul	1,713	69	1,782	26,181	535	26,716	96.1	3.9	29.8	21.2	29.6
4-Jul	1,445	70	1,515	27,626	605	28,231	95.4	4.6	31.5	23.9	31.2
5-Jul	3,226	117	3,343	30,852	722	31,574	96.5	3.5	35.1	28.5	34.9
6-Jul	5,032	132	5,164	35,884	854	36,738	97.4	2.6	40.9	33.8	40.7
7-Jul	3,115	65	3,180	38,999	919	39,918	98.0	2.0	44.4	36.3	44.2
8-Jul	1,667	58	1,725	40,666	977	41,643	96.6	3.4	46.3	38.6	46.1
9-Jul	8,142	258	8,400	48,808	1,235	50,043	96.9	3.1	55.6	48.8	55.4
10-Jul	2,651	109	2,760	51,459	1,344	52,803	96.1	3.9	58.6	53.1	58.4
11-Jul	2,574	87	2,661	54,033	1,431	55,464	-	-	61.5	56.6	61.4
12-Jul	6,465	220	6,685	60,498	1,651	62,149	96.7	3.3	68.9	65.3	68.8
13-Jul	1,359	52	1,411	61,857	1,703	63,560	96.3	3.7	70.4	67.3	70.3
14-Jul	3,551	126	3,677	65,408	1,829	67,237	96.6	3.4	74.5	72.3	74.4

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Table 15.–Page 2 of 2.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
15-Jul	5,098	143	5,241	70,506	1,972	72,478	97.3	2.7	80.3	78.0	80.2
16-Jul	1,597	72	1,669	72,103	2,044	74,147	95.7	4.3	82.1	80.8	82.1
17-Jul	1,209	53	1,262	73,312	2,097	75,409	95.8	4.2	83.5	82.9	83.5
18-Jul	1,313	54	1,367	74,625	2,151	76,776	96.0	4.0	85.0	85.1	85.0
19-Jul	689	31	720	75,314	2,182	77,496	95.7	4.3	85.8	86.3	85.8
20-Jul	222	21	243	75,536	2,203	77,739	91.4	8.6	86.0	87.1	86.0
21-Jul	754	32	786	76,290	2,235	78,525	95.9	4.1	86.9	88.4	86.9
22-Jul	838	18	856	77,128	2,253	79,381	97.9	2.1	87.8	89.1	87.9
23-Jul	2,401	88	2,489	79,529	2,341	81,870	96.5	3.5	90.6	92.6	90.6
24-Jul	3,276	58	3,334	82,805	2,399	85,204	98.3	1.7	94.3	94.9	94.3
25-Jul	2,262	50	2,312	85,067	2,449	87,516	97.8	2.2	96.9	96.8	96.9
26-Jul	260	12	272	85,327	2,461	87,788	95.6	4.4	97.2	97.3	97.2
27-Jul	480	18	498	85,807	2,479	88,286	96.4	3.6	97.7	98.0	97.7
28-Jul	751	22	773	86,558	2,501	89,059	97.2	2.8	98.6	98.9	98.6
29-Jul	633	21	654	87,191	2,522	89,713	96.8	3.2	99.3	99.7	99.3
30-Jul	637	7	644	87,828	2,529	90,357	98.9	1.1	100.0	100.0	100.0
31-Jul	Weir removed										
Total	87,828	2,529	90,357								
Post-weir sockeye escapement estimate: 17,643 ^a											
Estimated total sockeye escapement: 108,000											

^a 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, 1986–2010.

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
2000-2009 Average	226,503	148,647	397,157	545,804

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

^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 Stroganof Point, post July 31.

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

Table 17.—Sockeye salmon daily and cumulative escapement counts through the Bear River weir, 2010.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
31-May	0	0	1	1	0	1	0.0	0.0	0.0	0.0	0.0
1-Jun	0	0	0	1	0	1	0.0	0.0	0.0	0.0	0.0
2-Jun	0	0	0	1	0	1	0.0	0.0	0.0	0.0	0.0
3-Jun	1	0	1	2	0	2	0.0	0.0	0.0	0.0	0.0
4-Jun	8	0	8	10	0	10	0.0	0.0	0.0	0.0	0.0
5-Jun	9	1	10	19	1	20	90.0	10.0	0.0	0.0	0.0
6-Jun	30	2	32	49	3	52	93.8	6.3	0.0	0.1	0.0
7-Jun	22	4	26	71	7	78	84.6	15.4	0.0	0.1	0.0
8-Jun	67	2	69	138	9	147	97.1	2.9	0.0	0.2	0.1
9-Jun	76	5	81	214	14	228	93.8	6.2	0.1	0.3	0.1
10-Jun	156	7	163	370	21	391	95.7	4.3	0.1	0.4	0.1
11-Jun	57	2	59	427	23	450	96.6	3.4	0.1	0.5	0.2
12-Jun	347	13	360	774	36	810	96.4	3.6	0.3	0.7	0.3
13-Jun	682	15	697	1,456	51	1,507	97.8	2.2	0.5	1.1	0.5
14-Jun	530	10	540	1,986	61	2,047	98.1	1.9	0.7	1.3	0.7
15-Jun	236	4	240	2,222	65	2,287	98.3	1.7	0.8	1.3	0.8
16-Jun	452	6	458	2,674	71	2,745	98.7	1.3	0.9	1.5	0.9
17-Jun	258	5	263	2,932	76	3,008	98.1	1.9	1.0	1.6	1.0
18-Jun	1,014	57	1,071	3,946	133	4,079	94.7	5.3	1.4	2.7	1.4
19-Jun	7,011	168	7,179	10,957	301	11,258	97.7	2.3	3.8	6.2	3.8
20-Jun	10,781	168	10,949	21,738	469	22,207	98.5	1.5	7.5	9.7	7.6
21-Jun	10,008	110	10,118	31,746	579	32,325	98.9	1.1	11.0	12.0	11.0
22-Jun	8,328	108	8,436	40,074	687	40,761	98.7	1.3	13.9	14.2	13.9
23-Jun	8,924	85	9,009	48,998	772	49,770	99.1	0.9	17.0	15.9	16.9
24-Jun	5,539	88	5,627	54,537	860	55,397	98.4	1.6	18.9	17.8	18.9
25-Jun	4,695	83	4,778	59,232	943	60,175	98.3	1.7	20.5	19.5	20.5
26-Jun	4,530	65	4,595	63,762	1,008	64,770	98.6	1.4	22.1	20.8	22.0
27-Jun	4,559	100	4,659	68,321	1,108	69,429	97.9	2.1	23.6	22.9	23.6
28-Jun	11,939	194	12,133	80,260	1,302	81,562	98.4	1.6	27.8	26.9	27.8
29-Jun	10,003	302	10,305	90,263	1,604	91,867	97.1	2.9	31.2	33.1	31.3

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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
30-Jun	11,967	265	12,232	102,230	1,869	104,099	97.8	2.2	35.4	38.6	35.4
1-Jul	10,851	185	11,036	113,081	2,054	115,135	98.3	1.7	39.1	42.4	39.2
2-Jul	9,348	158	9,506	122,429	2,212	124,641	98.3	1.7	42.4	45.7	42.4
3-Jul	7,072	133	7,205	129,501	2,345	131,846	98.2	1.8	44.8	48.4	44.9
4-Jul	5,359	98	5,457	134,860	2,443	137,303	98.2	1.8	46.7	50.5	46.7
5-Jul	4,829	123	4,952	139,689	2,566	142,255	97.5	2.5	48.3	53.0	48.4
6-Jul	7,198	123	7,321	146,887	2,689	149,576	98.3	1.7	50.8	55.5	50.9
7-Jul	6,229	115	6,344	153,116	2,804	155,920	98.2	1.8	53.0	57.9	53.1
8-Jul	4,096	49	4,145	157,212	2,853	160,065	98.8	1.2	54.4	58.9	54.5
9-Jul	3,949	103	4,052	161,161	2,956	164,117	97.5	2.5	55.8	61.0	55.9
10-Jul	4,504	133	4,637	165,665	3,089	168,754	97.1	2.9	57.3	63.8	57.4
11-Jul	5,146	129	5,275	170,811	3,218	174,029	97.6	2.4	59.1	66.5	59.2
12-Jul	5,010	154	5,164	175,821	3,372	179,193	97.0	3.0	60.9	69.6	61.0
13-Jul	4,165	114	4,279	179,986	3,486	183,472	97.3	2.7	62.3	72.0	62.5
14-Jul	2,971	82	3,053	182,957	3,568	186,525	97.3	2.7	63.3	73.7	63.5
15-Jul	4,036	88	4,124	186,993	3,656	190,649	97.9	2.1	64.7	75.5	64.9
16-Jul	3,558	71	3,629	190,551	3,727	194,278	98.0	2.0	66.0	77.0	66.1
17-Jul	5,077	82	5,159	195,628	3,809	199,437	98.4	1.6	67.7	78.7	67.9
18-Jul	2,412	54	2,466	198,040	3,863	201,903	97.8	2.2	68.5	79.8	68.7
19-Jul	3,591	73	3,664	201,631	3,936	205,567	98.0	2.0	69.8	81.3	70.0
20-Jul	2,079	58	2,137	203,710	3,994	207,704	97.3	2.7	70.5	82.5	70.7
21-Jul	1,157	33	1,190	204,867	4,027	208,894	97.2	2.8	70.9	83.2	71.1
22-Jul	535	27	562	205,402	4,054	209,456	95.2	4.8	71.1	83.7	71.3
23-Jul	799	34	833	206,201	4,088	210,289	95.9	4.1	71.4	84.4	71.6
24-Jul	1,680	69	1,749	207,881	4,157	212,038	96.1	3.9	71.9	85.9	72.2
25-Jul	2,492	53	2,545	210,373	4,210	214,583	97.9	2.1	72.8	86.9	73.0
26-Jul	2,371	41	2,412	212,744	4,251	216,995	98.3	1.7	73.6	87.8	73.9
27-Jul	2,522	34	2,556	215,266	4,285	219,551	98.7	1.3	74.5	88.5	74.7
28-Jul	2,334	78	2,412	217,600	4,363	221,963	96.8	3.2	75.3	90.1	75.6
29-Jul	1,886	53	1,939	219,486	4,416	223,902	97.3	2.7	76.0	91.2	76.2
30-Jul	1,640	38	1,678	221,126	4,454	225,580	97.7	2.3	76.5	92.0	76.8
31-Jul	933	21	954	222,059	4,475	226,534	97.8	2.2	76.9	92.4	77.1

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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
1-Aug	2,003	46	2,049	224,061	4,522	228,583	97.8	2.2	77.5	93.4	77.8
2-Aug	3,034	45	3,079	227,095	4,567	231,662	98.5	1.5	78.6	94.3	78.9
3-Aug	2,125	19	2,144	229,220	4,586	233,806	99.1	0.9	79.3	94.7	79.6
4-Aug	2,359	10	2,369	231,579	4,596	236,175	99.6	0.4	80.2	94.9	80.4
5-Aug	3,728	28	3,756	235,307	4,624	239,931	99.3	0.7	81.4	95.5	81.7
6-Aug	3,519	14	3,533	238,826	4,638	243,464	99.6	0.4	82.7	95.8	82.9
7-Aug	6,377	15	6,392	245,203	4,653	249,856	99.8	0.2	84.9	96.1	85.1
8-Aug	6,904	19	6,923	252,107	4,672	256,779	99.7	0.3	87.3	96.5	87.4
9-Aug	5,099	14	5,113	257,206	4,686	261,892	99.7	0.3	89.0	96.8	89.1
10-Aug	5,397	22	5,419	262,603	4,708	267,311	99.6	0.4	90.9	97.2	91.0
11-Aug	4,206	22	4,228	266,809	4,730	271,539	99.5	0.5	92.3	97.7	92.4
12-Aug	6,768	46	6,814	273,577	4,776	278,353	99.3	0.7	94.7	98.6	94.8
13-Aug	15,354	67	15,421	288,931	4,843	293,774	99.6	0.4	100.0	100.0	100.0
14-Aug	Weir washed out										
Total	288,931	4,843	293,774								
Post Weir Escapement Estimate:			75,726 ^a								
Estimated Total Escapement:			369,500								

^a 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, 2010.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
11-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
12-Jun	2	0	2	2	0	2	100.0	0.0	0.0	0.0	0.0
13-Jun	6	0	6	8	0	8	100.0	0.0	0.0	0.0	0.0
14-Jun	25	0	25	33	0	33	100.0	0.0	0.1	0.0	0.1
15-Jun	1	0	1	34	0	34	100.0	0.0	0.1	0.0	0.1
16-Jun	1	0	1	35	0	35	100.0	0.0	0.1	0.0	0.1
17-Jun	0	0	0	35	0	35	0.0	0.0	0.1	0.0	0.1
18-Jun	54	0	54	89	0	89	100.0	0.0	0.3	0.0	0.3
19-Jun	168	7	175	257	7	264	96.0	4.0	0.7	1.8	0.7
20-Jun	157	0	157	414	7	421	100.0	0.0	1.2	1.8	1.2
21-Jun	629	0	629	1,043	7	1,050	100.0	0.0	3.0	1.8	3.0
22-Jun	1,292	19	1,311	2,335	26	2,361	98.6	1.4	6.7	6.7	6.7
23-Jun	653	9	662	2,988	35	3,023	98.6	1.4	8.6	9.1	8.6
24-Jun	458	3	461	3,446	38	3,484	99.3	0.7	9.9	9.8	9.9
25-Jun	83	0	83	3,529	38	3,567	100.0	0.0	10.1	9.8	10.1
26-Jun	497	4	501	4,026	42	4,068	99.2	0.8	11.5	10.9	11.5
27-Jun	284	10	294	4,310	52	4,362	96.6	3.4	12.3	13.5	12.3
28-Jun	910	12	922	5,220	64	5,284	98.7	1.3	14.9	16.6	15.0
29-Jun	3,312	31	3,343	8,532	95	8,627	99.1	0.9	24.4	24.6	24.4
30-Jun	2,687	19	2,706	11,219	114	11,333	99.3	0.7	32.1	29.5	32.1
1-Jul	3,183	27	3,210	14,402	141	14,543	99.2	0.8	41.2	36.5	41.2
2-Jul	2,545	22	2,567	16,947	163	17,110	99.1	0.9	48.5	42.2	48.4
3-Jul	2,540	12	2,552	19,487	175	19,662	99.5	0.5	55.8	45.3	55.7
4-Jul	993	7	1,000	20,480	182	20,662	99.3	0.7	58.6	47.2	58.5
5-Jul	821	17	838	21,301	199	21,500	98.0	2.0	61.0	51.6	60.9
6-Jul	850	14	864	22,151	213	22,364	98.4	1.6	63.4	55.2	63.3
7-Jul	1,382	16	1,398	23,533	229	23,762	98.9	1.1	67.4	59.3	67.3
8-Jul	1,260	15	1,275	24,793	244	25,037	98.8	1.2	71.0	63.2	70.9
9-Jul	1,048	9	1,057	25,841	253	26,094	99.1	0.9	74.0	65.5	73.9
10-Jul	833	8	841	26,674	261	26,935	99.0	1.0	76.3	67.6	76.3
11-Jul	691	16	707	27,365	277	27,642	97.7	2.3	78.3	71.8	78.3
12-Jul	710	9	719	28,075	286	28,361	98.7	1.3	80.4	74.1	80.3
13-Jul	495	19	514	28,570	305	28,875	96.3	3.7	81.8	79.0	81.7
14-Jul	1,132	10	1,142	29,702	315	30,017	99.1	0.9	85.0	81.6	85.0

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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
15-Jul	911	10	921	30,613	325	30,938	98.9	1.1	87.6	84.2	87.6
16-Jul	1,467	20	1,487	32,080	345	32,425	98.7	1.3	91.8	89.4	91.8
17-Jul	1,051	13	1,064	33,131	358	33,489	98.8	1.2	94.8	92.7	94.8
18-Jul	1,071	11	1,082	34,202	369	34,571	99.0	1.0	97.9	95.6	97.8
19-Jul	403	10	413	34,605	379	34,984	97.6	2.4	99.0	98.2	99.0
20-Jul	203	4	207	34,808	383	35,191	98.1	1.9	99.6	99.2	99.6
21-Jul	137	3	140	34,945	386	35,331	97.9	2.1	100.0	100.0	100.0
22-Jul	Weir removed										
Total	34,945	386	35,331								
Post Weir Escapement Estimate:			1,677 ^a								
Total Estimated Escapement:			37,000								

^a 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, 2010.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
4-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
5-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
6-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
7-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
8-Jun	1	0	1	1	0	1	0.0	0.0	0.0	0.0	0.0
9-Jun	4	0	4	5	0	5	0.0	0.0	0.0	0.0	0.0
10-Jun	62	2	64	67	2	69	0.0	0.0	0.2	1.4	0.2
11-Jun	56	0	56	123	2	125	0.0	0.0	0.3	1.4	0.3
12-Jun	1,318	0	1,318	1,441	2	1,443	0.0	0.0	3.5	1.4	3.5
13-Jun	248	2	250	1,689	4	1,693	0.0	0.0	4.1	2.7	4.1
14-Jun	1,359	8	1,367	3,048	12	3,060	99.4	0.6	7.4	8.2	7.4
15-Jun	254	0	254	3,302	12	3,314	100.0	0.0	8.0	8.2	8.0
16-Jun	1,519	13	1,532	4,821	25	4,846	99.2	0.8	11.7	17.1	11.7
17-Jun	210	3	213	5,031	28	5,059	98.6	1.4	12.2	19.2	12.2
18-Jun	1,157	12	1,169	6,188	40	6,228	99.0	1.0	15.0	27.4	15.0
19-Jun	105	2	107	6,293	42	6,335	98.1	1.9	15.2	28.8	15.3
20-Jun	325	4	329	6,618	46	6,664	98.8	1.2	16.0	31.5	16.1
21-Jun	1,705	19	1,724	8,323	65	8,388	98.9	1.1	20.1	44.5	20.2
22-Jun	7,040	25	7,065	15,363	90	15,453	99.6	0.4	37.2	61.6	37.3
23-Jun	452	2	454	15,815	92	15,907	99.6	0.4	38.3	63.0	38.4
24-Jun	682	4	686	16,497	96	16,593	99.4	0.6	39.9	65.8	40.0
25-Jun	3,671	9	3,680	20,168	105	20,273	99.8	0.2	48.8	71.9	48.9
26-Jun	2,748	1	2,749	22,916	106	23,022	100.0	0.0	55.5	72.6	55.5
27-Jun	4,142	2	4,144	27,058	108	27,166	100.0	0.0	65.5	74.0	65.5
28-Jun	1,850	4	1,854	28,908	112	29,020	99.8	0.2	70.0	76.7	70.0
29-Jun	548	1	549	29,456	113	29,569	99.8	0.2	71.3	77.4	71.3
30-Jun	647	2	649	30,103	115	30,218	99.7	0.3	72.9	78.8	72.9
1-Jul	1,343	3	1,346	31,446	118	31,564	99.8	0.2	76.1	80.8	76.1
2-Jul	2,057	6	2,063	33,503	124	33,627	99.7	0.3	81.1	84.9	81.1

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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
3-Jul	817	1	818	34,320	125	34,445	99.9	0.1	83.1	85.6	83.1
4-Jul	2,346	4	2,350	36,666	129	36,795	99.8	0.2	88.8	88.4	88.8
5-Jul	723	4	727	37,389	133	37,522	99.4	0.6	90.5	91.1	90.5
6-Jul	693	3	696	38,082	136	38,218	99.6	0.4	92.2	93.2	92.2
7-Jul	780	1	781	38,862	137	38,999	99.9	0.1	94.1	93.8	94.1
8-Jul	327	2	329	39,189	139	39,328	99.4	0.6	94.9	95.2	94.9
9-Jul	129	0	129	39,318	139	39,457	100.0	0.0	95.2	95.2	95.2
10-Jul	326	1	327	39,644	140	39,784	99.7	0.3	96.0	95.9	96.0
11-Jul	300	0	300	39,944	140	40,084	100.0	0.0	96.7	95.9	96.7
12-Jul	258	0	258	40,202	140	40,342	100.0	0.0	97.3	95.9	97.3
13-Jul	404	0	404	40,606	140	40,746	100.0	0.0	98.3	95.9	98.3
14-Jul	488	2	490	41,094	142	41,236	99.6	0.4	99.5	97.3	99.5
15-Jul	152	3	155	41,246	145	41,391	98.1	1.9	99.8	99.3	99.8
16-Jul	59	1	60	41,305	146	41,451	98.3	1.7	100.0	100.0	100.0
17-Jul	7	0	7	41,312	146	41,458	100.0	0.0	100.0	100.0	100.0
18-Jul	Weir removed										
Total	41,312	146	41,458								
Post Weir Escapement Estimate:			1,542 ^a								
Estimated Total Escapement:			43,000								

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

Table 20.—North Peninsula salmon harvest by species and day, 2010.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 7-Jun	0	0	0	0	0	0	0
7-Jun	6	6	88	657	0	0	0
8-Jun	9	9	105	866	0	0	0
9-Jun	8	8	144	1,230	0	0	1
10-Jun ^a							
11-Jun ^b							
14-Jun	5	5	2	793	0	0	0
15-Jun	10	12	12	3,358	0	0	0
16-Jun	5	5	3	787	0	0	0
17-Jun	7	9	11	2,943	0	0	0
18-Jun to 20-Jun ^b							
21-Jun	23	23	90	7,624	0	0	11
22-Jun	56	64	209	23,241	0	0	62
23-Jun	40	43	146	15,084	1	0	17
24-Jun	119	126	287	48,442	0	1	230
25-Jun	105	129	271	62,648	0	0	509
26-Jun	97	110	107	66,809	1	0	287
27-Jun ^b							
28-Jun	138	157	198	80,974	0	0	687
29-Jun	134	162	145	107,443	0	0	679
30-Jun	139	151	183	93,514	1	0	849
1-Jul	141	173	155	112,892	0	0	819
2-Jul	115	132	65	80,449	0	4	771
3-Jul	117	132	77	113,866	0	0	1,434
4-Jul ^b							
5-Jul	128	130	50	64,590	0	3	9,518
6-Jul	126	133	38	58,628	0	3	4,560
7-Jul	106	125	67	53,922	0	0	9,637
8-Jul	133	158	43	115,590	0	0	3,960
9-Jul	129	161	47	112,208	0	2	1,787
10-Jul	112	122	16	89,503	0	0	1,102
11-Jul ^b							
12-Jul	105	134	13	67,731	0	0	3,877
13-Jul	123	142	15	82,035	0	0	12,969
14-Jul	130	137	17	73,925	1	39	10,051
15-Jul	129	141	20	36,374	6	20	8,544
16-Jul	113	115	11	35,176	4	0	2,886
17-Jul	98	100	15	34,683	8	0	2,340
18-Jul ^b							
19-Jul	110	116	4	24,077	29	54	8,609
20-Jul	102	102	7	30,202	152	23	7,766
21-Jul	88	98	9	37,651	88	217	11,438
22-Jul	76	80	10	21,080	98	6	3,786
23-Jul	55	60	1	16,188	136	0	2,816

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Table 20.–Page 2 of 3.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
24-Jul	42	42	1	10,993	155	0	24,809
25-Jul	54	55	1	18,572	448	1	4,688
26-Jul	90	93	11	28,468	693	573	27,376
27-Jul	84	86	15	24,944	1,094	2,528	12,538
28-Jul	64	67	0	12,622	679	2	3,791
29-Jul	49	51	3	10,945	380	6	3,861
30-Jul	36	39	2	5,992	290	1,819	3,128
31-Jul	4	4	0	96	0	810	6,304
1-Aug ^b							
2-Aug	30	30	0	3,071	82	18	6,197
3-Aug	23	26	2	2,480	109	15	11,613
4-Aug	32	34	0	8,785	445	128	21,307
5-Aug	32	33	6	6,566	416	327	14,851
6-Aug	13	13	0	779	99	0	127
7-Aug	13	13	0	1,276	240	0	225
8-Aug ^b							
9-Aug	5	5	0	193	45	0	16
10-Aug	42	42	0	5,006	769	5	545
11-Aug	42	44	0	6,650	1,546	34	372
12-Aug	64	65	1	15,054	2,009	466	3,432
13-Aug	51	54	1	7,243	913	140	301
14-Aug	24	27	0	4,818	410	7	92
15-Aug	20	20	0	6,380	269	24	110
16-Aug	28	28	1	3,840	378	0	83
17-Aug	16	17	0	1,594	404	7	21
18-Aug	45	45	0	9,505	747	16	247
19-Aug	43	44	1	8,623	1,526	45	83
20-Aug	72	73	1	16,725	2,602	204	174
21-Aug	73	74	0	10,682	2,294	8	147
22-Aug	22	26	0	9,970	298	31	68
23-Aug	42	44	0	12,021	3,212	0	65
24-Aug	65	66	2	17,535	5,484	70	77
25-Aug	65	66	0	14,070	4,323	23	78
26-Aug	66	70	1	10,645	2,842	31	69
27-Aug	52	53	0	10,554	2,605	81	55
28-Aug	50	50	1	9,519	4,074	35	48
29-Aug	37	40	0	18,084	553	1	23
30-Aug	55	56	0	12,259	2,848	6	29
31-Aug	57	57	0	15,095	3,174	0	32
1-Sep	53	55	0	11,392	1,813	0	19
2-Sep	49	49	0	11,005	1,777	0	19
3-Sep	37	40	0	7,424	1,414	0	6
4-Sep	48	53	0	13,115	1,729	0	7

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Table 20.–Page 3 of 3.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
5-Sep	37	39	0	7,229	2,180	0	8
6-Sep	32	34	0	6,819	1,863	0	11
7-Sep	32	35	0	7,318	1,085	0	0
8-Sep	11	11	0	1,758	260	0	0
9-Sep	20	22	0	7,664	457	0	2
10-Sep	18	18	0	9,414	428	0	0
11-Sep	9	10	0	6,310	102	0	3
12-Sep ^a							
16-Sep ^a							
Total	173	5,532	2,772	2,229,978	62,147	7,833	259,063

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

^a Confidentiality requirements prohibit releasing this information.

^b Fishery closed.

Table 21.—North Peninsula salmon harvest by district, statistical area, and section, 2010.

Statistical		Number of Salmon					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total
<i>NORTHWESTERN DISTRICT</i>							
311-20	Dublin Bay Section	0	0	0	0	0	0
311-32	Urilia Bay Section	2	28,040	0	0	2,662	30,704
311-52	Swanson Lagoon Section	1	327	27	41	391	787
311-60	Bechevin Bay Section	0	856	0	5,190	10,635	16,681
311-58	Cape Krenitzen to Cape Glazenap	0	1,946	272	156	1,337	3,711
312-10	Cape Glazenap to Moffet Point	0	1,589	220	58	10,560	12,427
312-20	Izembek Lagoon	0	4,523	2	0	15,339	19,864
312-40	Moffet Bay	2	17,524	4	1,005	98,146	116,681
Izembek-Moffet Bay Section Total		2	25,582	498	1,219	125,382	200,855
<i>NORTHWESTERN DISTRICT TOTAL</i>		<i>5</i>	<i>54,805</i>	<i>525</i>	<i>6,450</i>	<i>139,070</i>	<i>249,027</i>
<i>NORTHERN DISTRICT</i>							
313-10	Black Hills Section	6	24,449	1,026	292	8,723	34,496
313-30	Nelson Lagoon Section	360	93,715	44,821	40	4,931	143,867
314-12	Port Moller Bight Section	41	416	0	0	151	608
314-20	Herendeen Bay	0	0	0	0	44,985	44,985
314-30	Moller Bay	0	0	0	0	0	0
Herendeen-Moller Bay Section Total		41	0	0	0	44,985	45,026
315-11	Bear River	1,352	443,112	6,462	320	29,686	480,932
315-20	Muddy River	9	115,590	3,170	371	6,126	125,266
Bear River Section Total		1,361	558,702	9,632	691	35,812	606,198
316-10	Three Hills Section	4	51,556	2,193	31	4,590	58,374
316-20	Southwest Ilnik	88	163,895	2,461	303	8,151	174,898
316-22	Ilnik Lagoon	0	0	0	0	0	
316-25	Northeast Ilnik	327	496,179	651	12	6,337	503,506
Ilnik Section Total		415	660,074	3,112	315	14,488	678,404
317-10	Outer Port Heiden Section	580	786,025	838	14	6,313	793,770
317-20	Inner Port Heiden Section	0	236	0	0	0	236
318-20	Cinder River Section	0	0	0	0	0	0
<i>NORTHERN DISTRICT TOTAL</i>		<i>2,767</i>	<i>2,175,173</i>	<i>61,622</i>	<i>1,383</i>	<i>119,993</i>	<i>2,360,979</i>
NORTH PENINSULA TOTAL		2,772	2,229,978	62,147	7,833	259,063	2,610,006

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

Table 22.–Northwestern District sockeye salmon runs (number of fish), 1962–2010.

Year		Izembek - Moffet Bay ^a	Dublin, Urilia, & Bechevin bays & Swanson Lagoon ^a	Northwestern District Total ^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

Table 22.–Page 2 of 5.

Year		Izembek - Moffet Bay ^a	Dublin, Uria, & Bechevin bays & Swanson Lagoon ^a	Northwestern District Total ^b
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		Izembek - Moffet Bay ^a	Dublin, Urilia, & Bechevin bays & Swanson Lagoon ^a	Northwestern District Total ^b
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		Izembek - Moffet Bay ^a	Dublin, Urilia, & Bechevin bays & Swanson Lagoon ^a	Northwestern District Total ^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 ^c	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

-continued-

Table 22.–Page 5 of 5.

Year		Izembek - Moffet Bay ^a	Dublin, Urilia, & Bechevin bays & Swanson Lagoon ^a	Northwestern District Total ^b
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
2000-2009	Catch	21,744	55,514	77,258
Average	Escapement ^c	47,068	73,589	120,657
	Total	68,812	129,103	197,915

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

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

^b In 1983 only the Northwestern District catch includes a small harvest from the Dublin Bay Section.

^c Escapements are estimated totals.

Table 23.–Emergency order summary for the North Alaska Peninsula commercial salmon fishery, 2010.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller - 1	8:00 p.m. June 13	6:00 a.m. June 14	Closure: Inside Ilnik Lagoon and all waters inside the Seal Islands until further notice. Port Moller Bight and Bear River sections will also close until further notice.
Port Moller - 2	8:00 p.m. June 20	6:00 a.m. June 21	Closure: The Ilnik and Outer Port Heiden Sections will close from 6:00 a.m. June 21 until further notice.
Cold Bay - 1	10:00 a.m. June 20	6:00 a.m. June 22	Fishing Period: The Uria Bay Section will open from 6:00 a.m. June 22 until 6:00 p.m. June 24.
Port Moller - 3	noon June 21	6:00 p.m. June 21	Fishing Period: Commercial salmon fishing opened in the Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker from 6:00 p.m. June 21 until 6:00 a.m. June 24.
Port Moller - 4	8:00 p.m. June 22	6:00 a.m. June 24	Fishing Period: The Outer Port Heiden Section will open from 6:00 a.m. June 24 until 6:00 p.m. June 26.
Port Moller - 5	8:00 p.m. June 23	12:01 a.m. June 25	Closure/Fishing Period: The Three Hills Section will remain closed from 12:01 a.m. June 25 until further notice. The Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker will open from 6:00 a.m. June 24 until 6:00 a.m. June 25.
Port Moller - 6	8:00 p.m. June 24	6:00 a.m. June 25	Extension: The Bear River Section will remain open until 6:00 a.m. June 26.
Port Moller - 7	8:00 p.m. June 25	6:00 a.m. June 26	Extension: Commercial fishing remained open in the Bear River Section until 6:00 p.m. June 26.
Port Moller - 8	10:00 a.m. June 27	6:00 a.m. June 28	Fishing Period: The Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker will open from 6:00 a.m. June 28 until 6:00 p.m. June 30. Ilnik will open until 6:00 p.m. June 30.
Cold Bay - 2	10:30 a.m. June 27	6:00 a.m. June 28	Fishing Period: The Uria Bay Section will open from 6:00 a.m. June 28 until 6:00 p.m. June 30.

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Table 23.–Page 2 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller - 9	8:00 p.m. June 27	6:00 a.m. June 28	Closure: The Outer Port Heiden Section will close to commercial salmon fishing from 6:00 a.m. June 28 until further notice.
Port Moller - 10	9:00 a.m. June 30	6:00 p.m. June 30	Fishing Period: Commercial salmon fishing in the Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker will remain open from 6:00 p.m. June 30 until 6:00 p.m. July 2. The Ilnik Section will remain open until 6:00 p.m. July 2. The Outer Port Heiden Section will open from 6:00 a.m. July 1 until 6:00 p.m. July 3.
Port Moller - 11	9:00 a.m. July 2	6:00 p.m. July 2	Fishing Period: Commercial salmon fishing remained open in the Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker until 6:00 p.m. July 3. The Ilnik Section will remain open until 6:00 p.m. July 3.
Port Moller - 12	8:00 p.m. July 4	6:00 a.m. July 5	Closure/Fishing Period: The Nelson Lagoon Section will close to commercial fishing from 6:00 a.m. July 5 until further notice. Commercial salmon fishing in the Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker will open from 6:00 a.m. July 5 until 6:00 p.m. July 7. The Ilnik Section will open from 6:00 a.m. July 5 until 6:00 p.m. July 7.
Port Moller - 13	9:00 a.m. July 7	6:00 a.m. July 8	Fishing Period/Extension: Commercial salmon fishing remained open in the Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker until 6:00 p.m. July 10. The Ilnik Section will remain open until 6:00 p.m. July 10. The Outer Port Heiden Section will open from 6:00 a.m. July 8 until 6:00 p.m. July 10.
Cold Bay - 6	5:00 p.m. July 10	6:00 a.m. July 12	Fishing Period: Commercial fishing will open in the Urilia Bay Section from 6:00 a.m. July 12 until 6:00 p.m. July 14.

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Table 23.–Page 3 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller - 14	8:00 p.m. July 10	6:00 a.m. July 12	Fishing Period: Commercial salmon fishing will open in the Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker until 6:00 p.m. July 14. The Ilnik Section will open from 6:00 a.m. July 12 until 6:00 p.m. July 14. The Outer Port Heiden Section will open from 6:00 a.m. July 12 until 6:00 p.m. July 14.
Port Moller - 15	9:00 a.m. July 14	6:00 a.m. July 20	Extension: Commercial fishing will remain open in the Bear River Section from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker until 6:00 p.m. July 14. The Ilnik Section will remain open from 6:00 p.m. July 14 until 6:00 p.m. July 16.
Port Moller - 16	9:00 a.m. July 16	6:00 p.m. July 16	Extension: Commercial fishing will remain open in the Bear River Section from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yard marker until 6:00 p.m. July 17. The Ilnik Section will remain open from 6:00 p.m. July 16 until 6:00 p.m. July 17.
Port Moller - 17	9:00 a.m. July 18	6:00 a.m. July 19	Fishing Period: All of the Bear River, Three Hills, Ilnik, and Outer Port Heiden sections will open to commercial fishing from 6:00 a.m. July 19 until 6:00 p.m. July 21.
Cold Bay - 10	9:15 a.m. July 19	9:00 p.m. July 20	Fishing Period: The Bechevin Bay Section will open to commercial fishing for 24 hours from 9:00 p.m. July 20 to 9:00 p.m. July 21.
Port Moller - 18	9:00 a.m. July 21	6:00 p.m. July 21	Extension: The Bear River, Three Hills, and Ilnik sections will remain open until 6:00 p.m. July 23.
Port Moller - 19	9:00 a.m. July 22	6:00 p.m. July 23	Fishing Period: The Herendeen-Moller Bay Section will open from 6:00 p.m. July 23 until 6:00 a.m. July 25.
Port Moller - 20	9:00 a.m. July 23	6:00 p.m. July 23	Extension: The Bear River, Three Hills and Ilnik sections will remain open until 6:00 p.m. July 24.

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Table 23.–Page 4 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller - 21	9:00 a.m. July 24	6:00 p.m. July 24	Extension/Fishing Period: The Bear River, Three Hills, and Ilnik sections will remain open until 6:00 p.m. July 28. The Outer Port Heiden Section will open from 6:00 a.m. July 26 until 6:00 p.m. July 28. The Nelson Lagoon Section will open from 6:00 a.m. July 26 until midnight July 29.
Port Moller - 22	11:30 a.m. July 25	2:00 p.m. July 25	Closure/Fishing Period: The waters of Herendeen Bay south of a line at 55° 44.90' N. lat., will be closed to commercial fishing from 2:00 p.m. July 25 until further notice. The remaining portion of Herendeen Bay will open from 2:00 p.m. July 25 until 2:00 p.m. July 26.
Cold Bay - 13	9:30 a.m. July 26	12:01 a.m. July 27	Fishing Period: The Bechevin Bay Section will open from 12:01 a.m. July 27 until 12:00 p.m. July 28.
Port Moller - 23	11:30 a.m. July 26	2:00 p.m. July 26	Closure/Extension: The waters of Herendeen Bay south of a line at 55° 44.90' N. lat., will remain closed until further notice. The remaining portion of Herendeen Bay will remain open until 2:00 p.m. July 27.
Port Moller - 24	9:00 a.m. July 28	6:00 p.m. July 28	Extension: The Bear River, Three Hills, and Ilnik sections will remain open until 6:00 p.m. July 29.
Port Moller - 25	9:00 a.m. July 29	6:00 p.m. July 29	Extension: The Bear River, Three Hills, and Ilnik sections will remain open until 6:00 p.m. July 30. The Nelson Lagoon Section will remain open until midnight July 30.
Cold Bay -15	8:45 a.m. July 29	noon. July 30	Fishing Period: The Bechevin Bay Section will open from noon July 30 until 11:59 p.m. July 31.
Port Moller - 26	5:00 p.m. July 30	8:00 p.m. July 30	Fishing Period: Herenedeen Bay will open from 8:00 p.m. July 30 until 8:00 p.m. July 31.
Port Moller - 27	8:00 p.m. August 1	6:00 a.m. August 2	Closure: The Bear River, Three Hills and Ilnik sections will close from 6:00 a.m. August 2 until further notice.

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Table 23.–Page 5 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller - 28	9:00 a.m. August 5	midnight August 5	Extension: The Nelson Lagoon Section will remain open until 11:59 p.m. August 6.
Port Moller - 29	9:00 a.m. August 6	11:59 p.m. August 7	Extension: The Nelson Lagoon Section will remain open until 11:59 p.m. August 7.
Cold Bay -16	1:00 p.m. August 7	1:00 p.m. August 7	Closure: The Izembek-Moffet Bay, Dublin Bay, and Swanson Lagoon sections will close until further notice.
Port Moller - 30	noon August 9	6:00 a.m. August 10	Closure/Fishing Period: That portion of the Bear River Section from a 280° bearing perpendicular the beach at the southern 1,000 yard marker at the King Salmon River to Cape Seniavin will close from 6:00 a.m. August 10 until further notice. The remaining portion of the Bear River Section as well as the Three Hills and Ilnik sections will open from 6:00 a.m. August 10 until 6:00 p.m. August 12.
Port Moller - 31	9:00 a.m. August 12	6:00 a.m. August 12	Extension/Fishing Period: The Nelson Lagoon Section will remain open until 11:59 August 12. That portion of the Bear River Section from southern 1,000 yard regulatory marker at the King Salmon River to Port Moller, as well as the Three Hills and Ilnik sections will remain open until 6:00 p.m. August 14.
Port Moller - 32	8:00 p.m. August 13	6:00 p.m. August 14	Extension: That portion of the Bear River Section from southern 1,000 yard regulatory marker at the King Salmon River to Port Moller, as well as the Three Hills and Ilnik sections will remain open until 6:00 p.m. August 18.
Port Moller - 33	noon August 16	6:00 a.m. August 17	Fishing Period: The portion of the Bear River Section located northeast from a line at a 280° bearing perpendicular to the beach at the northern 2,000 yard regulatory marker at Sandy River to Cape Seniavin will open from 6:00 a.m. August 17 until further notice.
Port Moller - 34	9:00 a.m. August 18	midnight. August 18	Extension: The Nelson Lagoon Section will remain open until 11:59 p.m. August 20.

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Table 23.–Page 6 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller - 35	9:00 a.m. August 19	6:00 a.m. August 20	Fishing Period: That portion of the Bear River Section from the southern 1,000 yard regulatory marker at the King Salmon River to the 2,000 yard regulatory marker at Sandy River will open until further notice.
Port Moller - 36	9:00 a.m. August 20	11:59 p.m. August 20	Extension: The Nelson Lagoon Section will remain remain open until 11:59 p.m. August 21. The Bear River and Three Hills sections will remain open until from 6:00 p.m. August 25. The Ilnik Section will remain open until 6:00 p.m. August 21.
Port Moller - 37	9:00 a.m. August 25	midnight August 25	Extension: The Nelson Lagoon Section will remain open until 11:59 p.m. August 27. The Bear River and Three Hills sections will remain open until 11:59 p.m. September 30. The Ilnik Section will remain open until 6:00 p.m. August 27.
Port Moller - 38	9:00 a.m. August 27	11:59 p.m. August 27	Extension: The Nelson Lagoon Section will remain open until 11:59 p.m. August 28.
Port Moller - 39	9:00 a.m. September 1	midnight September 1	Extension: The Nelson Lagoon Section will remain open until 11:59 p.m. September 8. The Ilnik Section will remain open until 6:00 p.m. September 3.
Port Moller - 40	9:00 a.m. September 8	midnight September 8	Extension: The Nelson Lagoon Section will remain open until 11:59 p.m. September 10.

Table 24.—Nelson Lagoon Section salmon harvest by species and day, 2010.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 7-Jun	0	0	0	0	0	0	0
7-Jun ^a							
8-Jun	4	4	12	291	0	0	0
9-Jun ^a							
10-Jun to 13-Jun ^b							
14-Jun	5	5	2	793	0	0	0
15-Jun	10	12	12	3,358	0	0	0
16-Jun	5	5	3	787	0	0	0
17-Jun	7	9	11	2,943	0	0	0
18-Jun to 20-Jun ^b							
21-Jun	16	16	21	5,093	0	0	0
22-Jun	20	21	42	4,304	0	0	0
23-Jun	19	20	66	4,897	0	0	0
24-Jun	22	22	21	4,583	0	0	0
25-Jun to 27-Jun ^b							
28-Jun	23	26	34	9,786	0	0	0
29-Jun	18	18	31	5,915	0	0	0
30-Jun	20	20	44	7,168	0	0	0
1-Jul	22	23	47	5,844	0	0	1
2-Jul to 25-Jul ^b							
26-Jul	18	20	1	5,751	95	0	578
27-Jul	19	20	5	4,488	109	0	964
28-Jul	18	19	0	2,801	73	0	649
29-Jul	17	17	0	2,426	71	0	469
30-Jul	13	13	0	1,403	59	0	302
31-Jul to 1-Aug ^b							
2-Aug	16	16	0	1,323	69	0	271
3-Aug	10	10	1	1,226	84	0	204
4-Aug	16	18	0	2,966	295	0	443
5-Aug	13	13	0	1,483	180	40	311
6-Aug	13	13	0	779	99	0	127
7-Aug	13	13	0	1,276	240	0	225
8-Aug ^b							
9-Aug	5	5	0	193	45	0	16
10-Aug	13	13	0	1,896	587	0	98
11-Aug	15	17	0	2,739	1,275	0	130
12-Aug	12	12	0	1,837	843	0	108
13-Aug	6	9	0	187	228	0	6
14-Aug	4	4	0	149	194	0	2
15-Aug ^b							
16-Aug	5	5	0	91	285	0	2
17-Aug	7	8	0	367	309	0	10
18-Aug	13	13	0	384	465	0	4
19-Aug	11	12	0	370	1,296	0	9
20-Aug	11	11	0	639	2,063	0	0

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Table 24.–Page 2 of 2.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
21-Aug	10	10	0	311	1,927	0	2
22-Aug ^b							
23-Aug	14	14	0	302	2,879	0	0
24-Aug	16	16	0	497	4,767	0	0
25-Aug	16	16	0	296	3,609	0	0
26-Aug	15	15	1	309	2,322	0	0
27-Aug	12	13	0	177	1,890	0	0
28-Aug	15	15	1	279	3,580	0	0
29-Aug ^b							
30-Aug	16	17	0	124	2,251	0	0
31-Aug	16	16	0	114	2,103	0	0
1-Sep	14	14	0	55	1,246	0	0
2-Sep	14	14	0	64	1,266	0	0
3-Sep	7	10	0	25	1,112	0	0
4-Sep	13	13	0	39	1,416	0	0
5-Sep	15	16	0	51	1,934	0	0
6-Sep	15	15	0	50	1,656	0	0
7-Sep	13	13	0	21	909	0	0
8-Sep	7	7	0	4	243	0	0
9-Sep	11	11	0	23	404	0	0
10-Sep	8	8	0	0	343	0	0
Total	33	1,089	360	93,715	44,821	40	4,931

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

^a Confidentiality rules prohibit the release of this information.

^b Fishery closed.

Table 25.—Bear River Section salmon harvest by species and day, 2010.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 7-Jun	0	0	0	0	0	0	0
7-Jun	5	5	88	533	0	0	0
8-Jun	5	5	93	575	0	0	0
9-Jun	6	6	139	916	0	0	1
8-Jun to 20-Jun ^a							
21-Jun	7	7	69	2,531	0	0	11
22-Jun	27	33	167	16,463	0	0	16
23-Jun	19	21	80	6,375	1	0	17
24-Jun	11	12	81	7,618	0	0	7
25-Jun	14	23	95	18,129	0	0	38
26-Jun	6	6	8	4,053	1	0	43
27-Jun ^a							
28-Jun	20	20	93	14,056	0	0	132
29-Jun	21	22	48	13,497	0	0	74
30-Jun	17	24	78	13,256	0	0	37
1-Jul	10	12	47	6,616	0	0	20
2-Jul	11	12	34	5,904	0	0	133
3-Jul	9	9	46	6,852	0	0	555
4-Jul ^a							
5-Jul	17	18	18	8,703	0	0	782
6-Jul	15	16	19	6,870	0	0	579
7-Jul	17	21	32	12,237	0	0	1,056
8-Jul	18	18	19	8,052	0	0	541
9-Jul	19	37	36	23,192	0	0	869
10-Jul	3	4	2	1,084	0	0	213
11-Jul ^a							
12-Jul	14	18	6	9,990	0	0	465
13-Jul	16	19	7	14,067	0	0	814
14-Jul	18	18	3	7,779	0	0	903
15-Jul	17	19	6	6,728	0	0	1,535
16-Jul	16	16	5	5,352	2	0	1,772
17-Jul	16	16	5	4,288	0	0	1,477
18-Jul ^a							
19-Jul	28	28	3	6,593	2	0	3,125
20-Jul	31	31	3	7,410	19	0	1,415
21-Jul	43	43	5	11,793	1	0	2,675
22-Jul	40	43	5	11,124	38	0	2,875
23-Jul	24	24	1	7,095	26	0	1,653
24-Jul	25	25	0	7,226	19	0	1,466
25-Jul	26	27	1	9,696	146	1	1,940
26-Jul	31	32	3	9,960	278	20	2,198
27-Jul	23	23	7	5,322	138	10	1,405
28-Jul	24	25	0	4,948	247	2	1,468
29-Jul	22	24	2	4,333	202	0	1,044

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Table 25.–Page 2 of 2.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
30-Jul	18	19	2	3,103	135	7	714
31-Jul to 9-Aug ^a							
10-Aug	11	11	0	2,176	66	0	155
11-Aug	7	7	0	1,425	42	2	89
12-Aug	16	16	0	3,302	141	62	158
13-Aug	16	16	0	4,333	124	15	125
14-Aug	15	18	0	4,208	141	7	80
15-Aug	18	18	0	6,167	185	24	101
16-Aug	20	20	1	3,657	80	0	73
17-Aug	7	7	0	1,076	87	7	9
18-Aug	30	30	0	8,350	174	16	109
19-Aug	29	29	1	7,800	213	45	71
20-Aug	48	49	1	14,135	407	202	158
21-Aug	50	51	0	8,099	249	8	116
22-Aug	19	23	0	9,043	260	31	67
23-Aug	28	30	0	11,719	333	0	65
24-Aug	46	47	2	16,281	649	70	75
25-Aug	40	41	0	11,344	440	23	60
26-Aug	37	41	0	7,120	386	31	54
27-Aug	25	25	0	6,965	526	66	33
28-Aug	22	22	0	7,277	380	35	24
29-Aug	23	26	0	12,183	370	1	18
30-Aug	24	24	0	8,385	404	6	26
31-Aug	23	23	0	7,378	729	0	17
1-Sep	26	28	0	8,395	352	0	14
2-Sep	26	26	0	8,467	320	0	18
3-Sep	24	24	0	6,022	144	0	6
4-Sep	35	38	0	12,853	307	0	7
5-Sep	17	18	0	5,937	189	0	4
6-Sep	14	16	0	6,225	187	0	4
7-Sep	19	22	0	7,297	176	0	0
8-Sep	4	4	0	1,754	17	0	0
9-Sep	9	11	0	7,641	53	0	2
10-Sep	10	10	0	9,414	85	0	0
11-Sep	9	10	0	6,310	102	0	3
12-Sep ^b							
16-Sep ^b							
Total ^c	106	1,565	1,361	558,702	9,632	691	35,812

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

^a Fishery closed.

^b Confidentiality rules prohibit the release of this information.

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

Table 26.—North Alaska Peninsula salmon test fish catches, 2000–2010.

Year	Number of Salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
2000	0	1,482	1	2	4	1,489
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
2000-2009 Average	4	3,399	13	30	80	3,526

Table 27.—Three Hills Section salmon harvest by species and day, 2010.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 14-Jul ^a							
19-Jul	3	3	0	910	0	0	155
20-Jul	10	10	0	3,124	7	0	439
21-Jul	5	5	1	1,834	3	0	213
22-Jul	11	12	0	3,745	30	0	656
23-Jul	7	11	0	2,449	14	0	630
24-Jul ^a							
25-Jul	7	7	0	2,584	38	0	553
26-Jul	4	4	0	1,182	21	0	475
27-Jul	9	9	0	2,327	261	0	573
28-Jul	9	9	0	859	133	0	156
29-Jul	4	4	1	1,024	105	6	191
30-Jul	3	5	0	1,299	96	0	248
31-Jun to 9-Aug ^a							
10-Aug	5	5	0	184	6	0	1
11-Aug	3	3	0	146	13	0	4
12-Aug	7	7	1	882	45	10	34
13-Aug	15	15	1	1,436	183	15	120
14-Aug ^b							
15-Aug ^a							
16-Aug	3	3	0	92	13	0	8
17-Aug ^b							
18-Aug ^b							
19-Aug	3	3	0	453	17	0	3
20-Aug	8	8	0	1,248	62	0	10
21-Aug	10	10	0	1,758	54	0	25
22-Aug	3	3	0	927	38	0	1
23-Aug ^a							
24-Aug	3	3	0	757	68	0	2
25-Aug	6	6	0	2,055	80	0	6
26-Aug	10	10	0	2,530	93	0	8
27-Aug	4	4	0	850	62	0	10
28-Aug	13	13	0	1,963	114	0	24
29-Aug	14	14	0	5,901	183	0	5
30-Aug	6	6	0	1,565	71	0	2
31-Aug	6	6	0	3,033	79	0	2
1-Sep ^b							
2-Sep	3	3	0	676	46	0	1
3-Sep	5	5	0	955	104	0	0
5-Sep	5	5	0	1,241	57	0	4
6-Sep	3	3	0	544	20	0	7
Post 6-Sep	0	0	0	0	0	0	0
Total	52	221	4	51,556	2,193	31	4,590

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

^a Fishery closed.

^b Confidentiality requirements prohibit releasing this information.

Table 28.—Ilnik Section salmon harvest by species and day, 2010.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 27-Jun ^a							
28-Jun	93	109	71	55,486	0	0	555
29-Jun	91	117	66	83,003	0	0	605
30-Jun	99	104	61	71,198	1	0	812
1-Jul	38	39	33	24,856	0	0	374
2-Jul	24	24	8	8,346	0	0	245
3-Jul	35	35	15	25,449	0	0	551
4-Jul ^a							
5-Jul	107	108	31	52,842	0	3	735
6-Jul	110	116	19	50,873	0	3	1,088
7-Jul	86	100	35	37,946	0	0	714
8-Jul	27	27	10	17,976	0	0	385
9-Jul	24	25	8	18,113	0	0	350
10-Jul	26	26	7	16,769	0	0	484
11-Jul ^a							
12-Jul	26	26	2	12,607	0	0	247
13-Jul	27	27	2	16,147	0	0	364
14-Jul	39	39	5	21,363	1	0	809
15-Jul	108	115	14	28,453	6	2	1,384
16-Jul	96	98	6	29,734	2	0	1,076
17-Jul	82	84	10	30,395	8	0	863
18-Jul ^a							
19-Jul	13	16	0	1,725	1	0	55
20-Jul	27	27	1	6,198	9	0	128
21-Jul	5	5	1	819	0	0	64
22-Jul	24	24	5	6,198	30	6	241
23-Jul	25	25	0	6,623	96	0	512
24-Jul	14	14	1	3,767	136	0	317
25-Jul	20	20	0	6,292	264	0	468
26-Jul	20	20	4	2,950	81	0	190
27-Jul ^b							
28-Jul ^b							
29-Jul to 9-Aug ^a							
10-Aug	13	13	0	750	110	5	291
11-Aug	17	17	0	2,340	216	32	149
12-Aug	20	20	0	2,330	426	137	269
13-Aug	14	14	0	1,287	378	110	50
14-Aug	3	3	0	154	39	0	3
15-Aug ^b							
16-Aug to 19-Aug ^a							
20-Aug	5	5	0	703	70	2	6
21-Aug	4	4	0	514	64	0	4

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Table 28.—Page 2 of 2.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
22-Aug to 24-Aug ^a							
25-Aug ^b							
26-Aug	4	4	0	686	41	0	7
27-Aug	11	11	0	2,562	127	15	12
26-Aug to 29-Aug ^a							
30-Aug	9	9	0	2,185	122	0	1
31-Aug	12	12	0	4,570	263	0	13
1-Sep	11	11	0	2,546	190	0	5
2-Sep	6	6	0	1,798	145	0	0
3-Sep ^b							
4-Sep ^b							
Post 2-Sep	0	0	0	0	0	0	0
Total	125	1,510	415	660,074	3,112	315	14,488

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

^a Fishery closed.

^b Confidentiality requirements prohibit releasing this information.

Table 29.—Outer Port Heiden Section salmon harvest by species and day, 2010.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 24-Jun ^a							
24-Jun	84	88	185	32,805	0	1	223
25-Jun	91	106	176	44,519	0	0	471
26-Jun	91	104	99	62,756	0	0	244
27-Jun to 30-Jun ^a							
1-Jul	73	99	28	75,576	0	0	424
2-Jul	82	96	23	66,199	0	4	393
3-Jul	77	88	16	81,565	0	0	328
4-Jul to 7-Jul ^a							
8-Jul	87	111	14	88,231	0	0	586
9-Jul	86	99	3	70,903	0	2	568
10-Jul	83	92	7	71,650	0	0	405
11-Jul ^a							
12-Jul	61	82	4	36,326	0	0	573
13-Jul	75	88	5	48,039	0	0	346
14-Jul	67	74	9	41,710	0	0	606
15-Jul to 18-Jul ^a							
19-Jul	61	64	1	14,338	11	2	294
20-Jul	29	29	3	12,941	17	3	169
21-Jul	30	40	2	22,765	27	2	304
22-Jul to 25-Jul ^a							
26-Jul	20	20	3	3,643	94	0	113
27-Jul	20	21	2	9,136	474	0	188
28-Jul	9	10	0	2,923	215	0	78
Post 28-Jul ^a							
Total	112	1,311	580	786,025	838	14	6,313

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

^a 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, 1975–2010.

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	a	a	a	a	a	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

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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
2001	0	0	0	0	0	0	0	4	7	0	0	664	0	9
2002 ^a														
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

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
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

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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
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	0	0	0	0	0	0	0							
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	0	0	0	0	0	0	0							
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

^a Confidentiality requirements prohibit releasing this information.

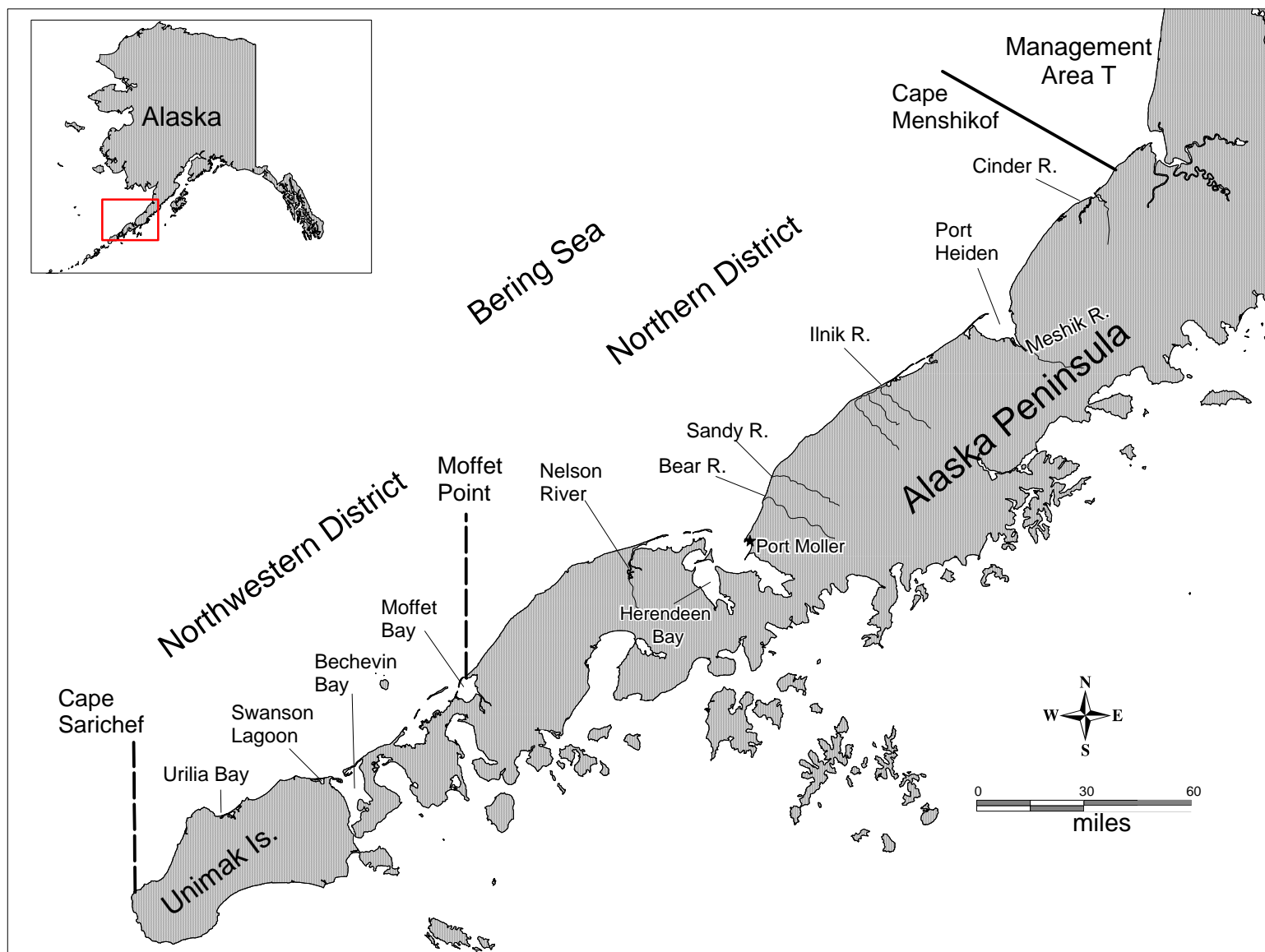


Figure 1.—Map of Alaska Peninsula with North Peninsula commercial salmon fishing districts.

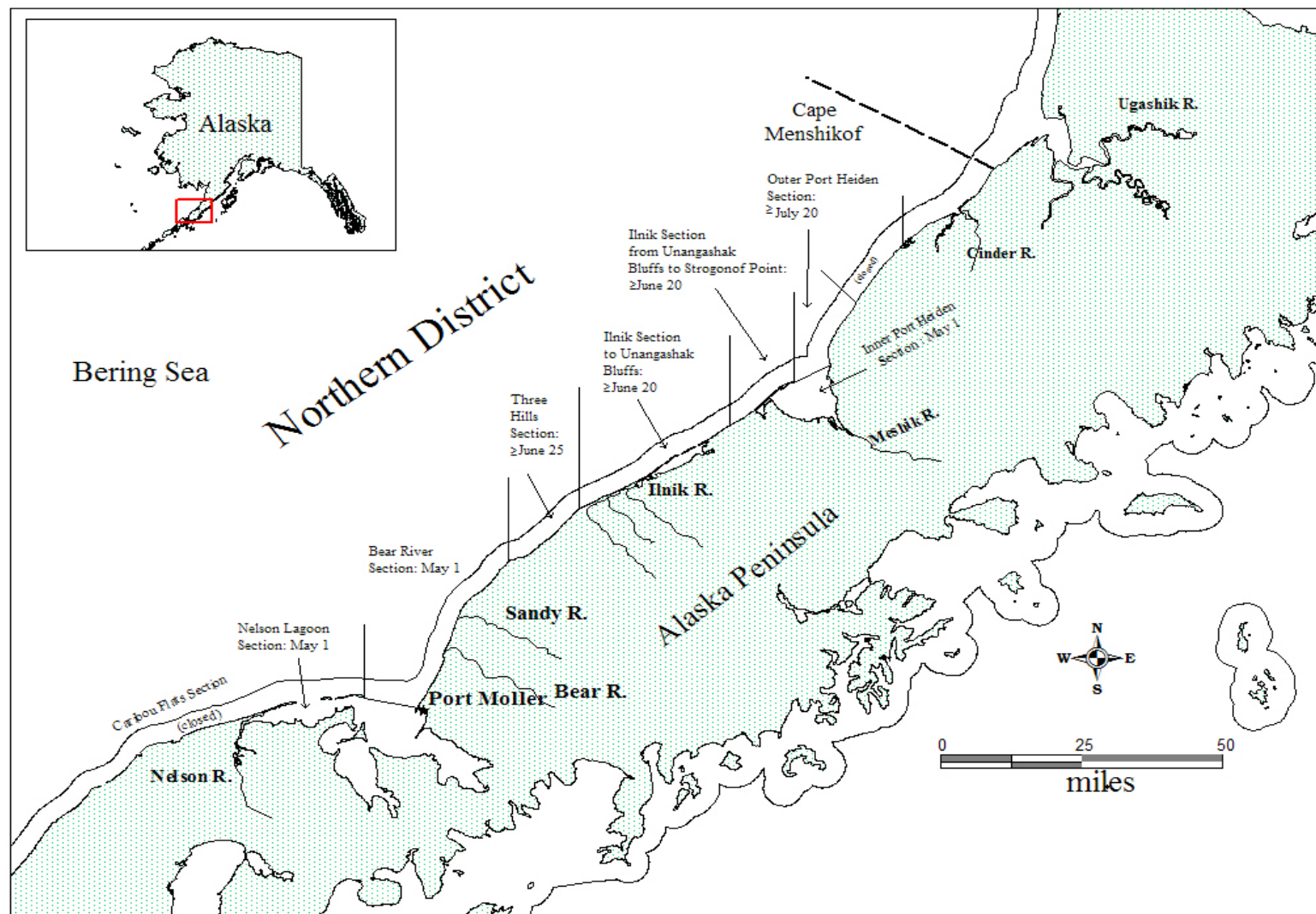


Figure 2.—North Alaska Peninsula from Nelson Lagoon to Cape Menshikof, with selected commercial salmon fishing sections, season opening dates, and major sockeye salmon systems.

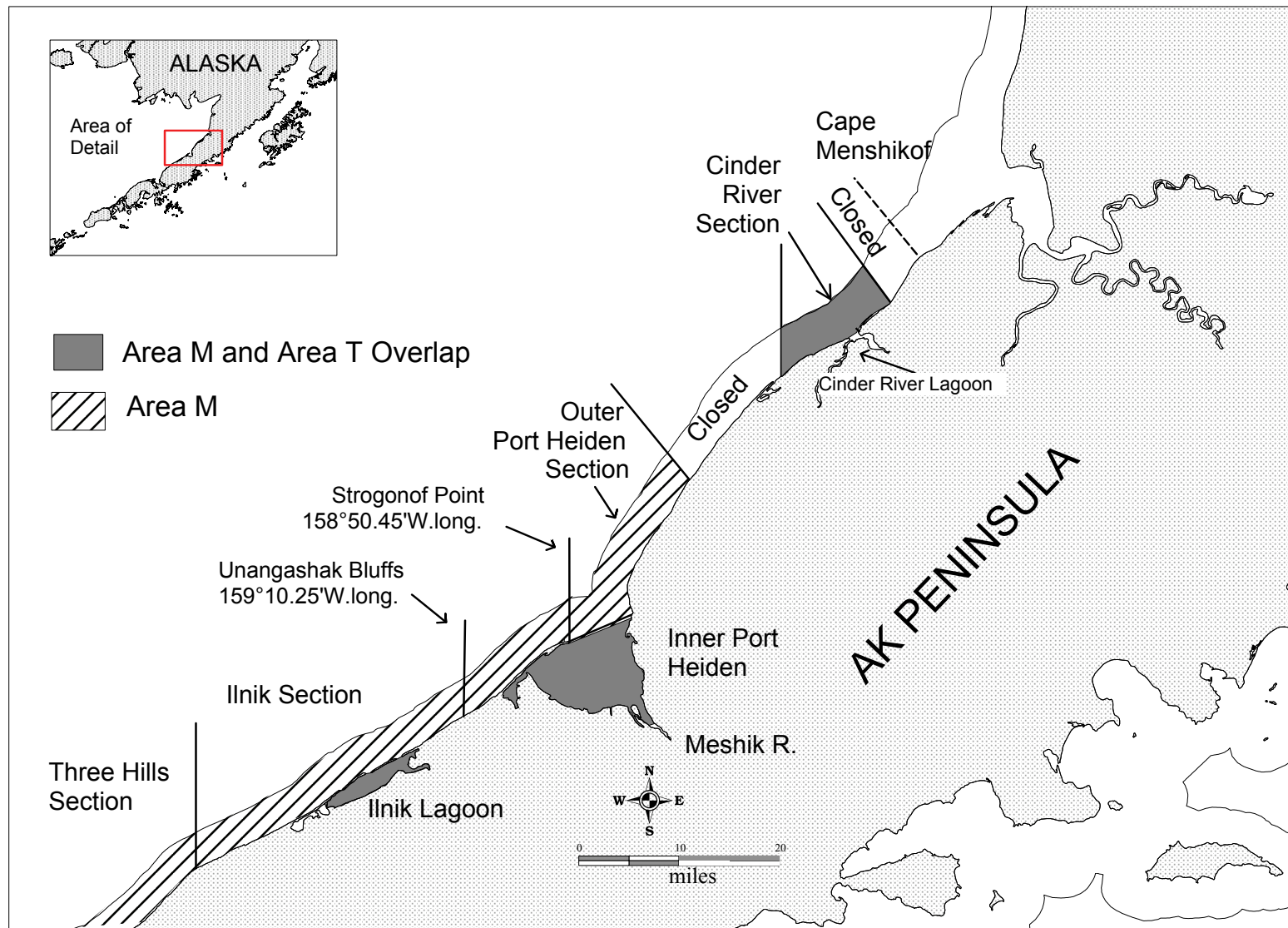


Figure 3.—Alaska Peninsula (Area M) and Bristol Bay (Area T) commercial salmon fishing overlap areas.

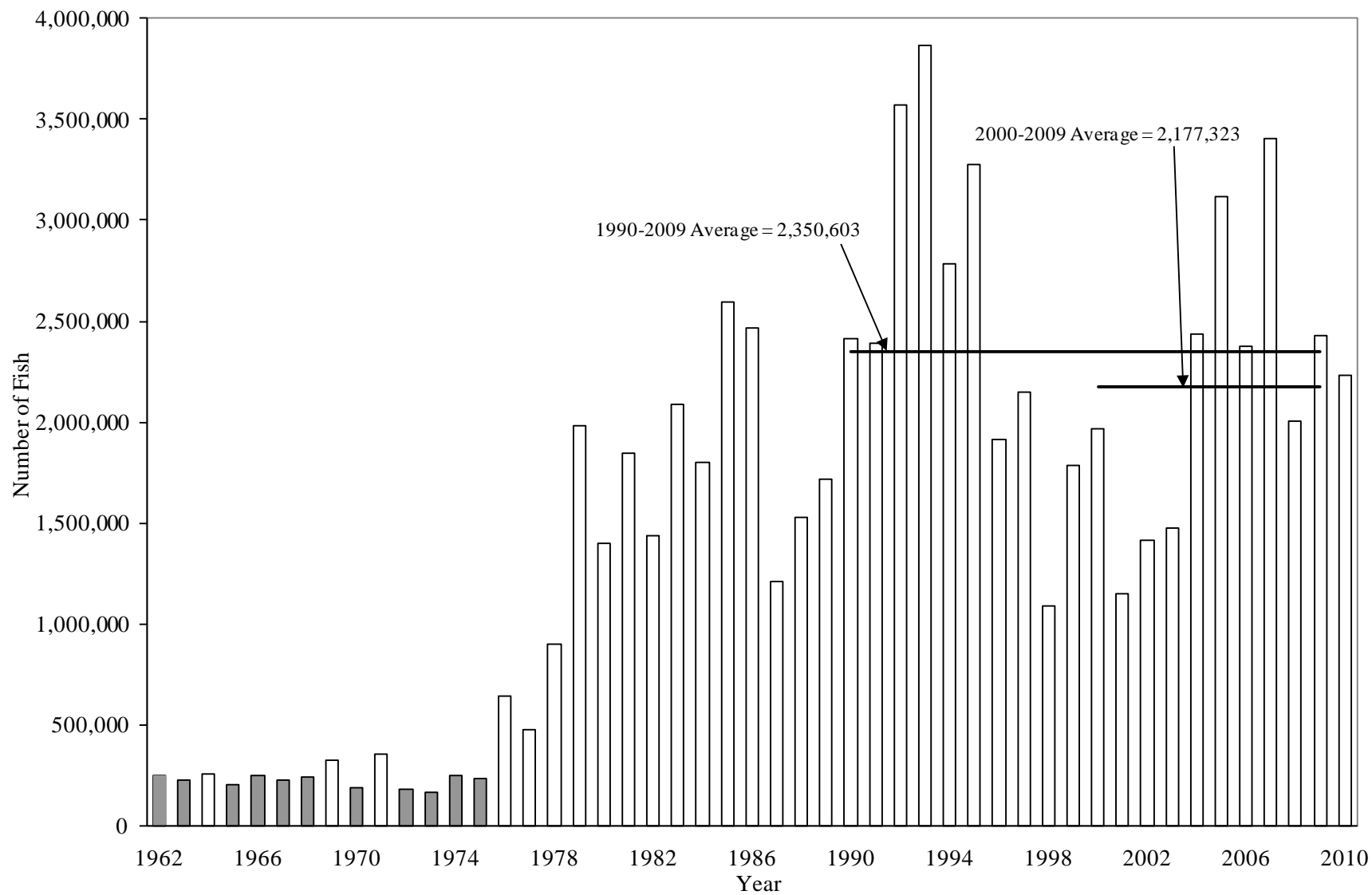


Figure 4.—North Peninsula commercial sockeye salmon harvest, 1962–2010.

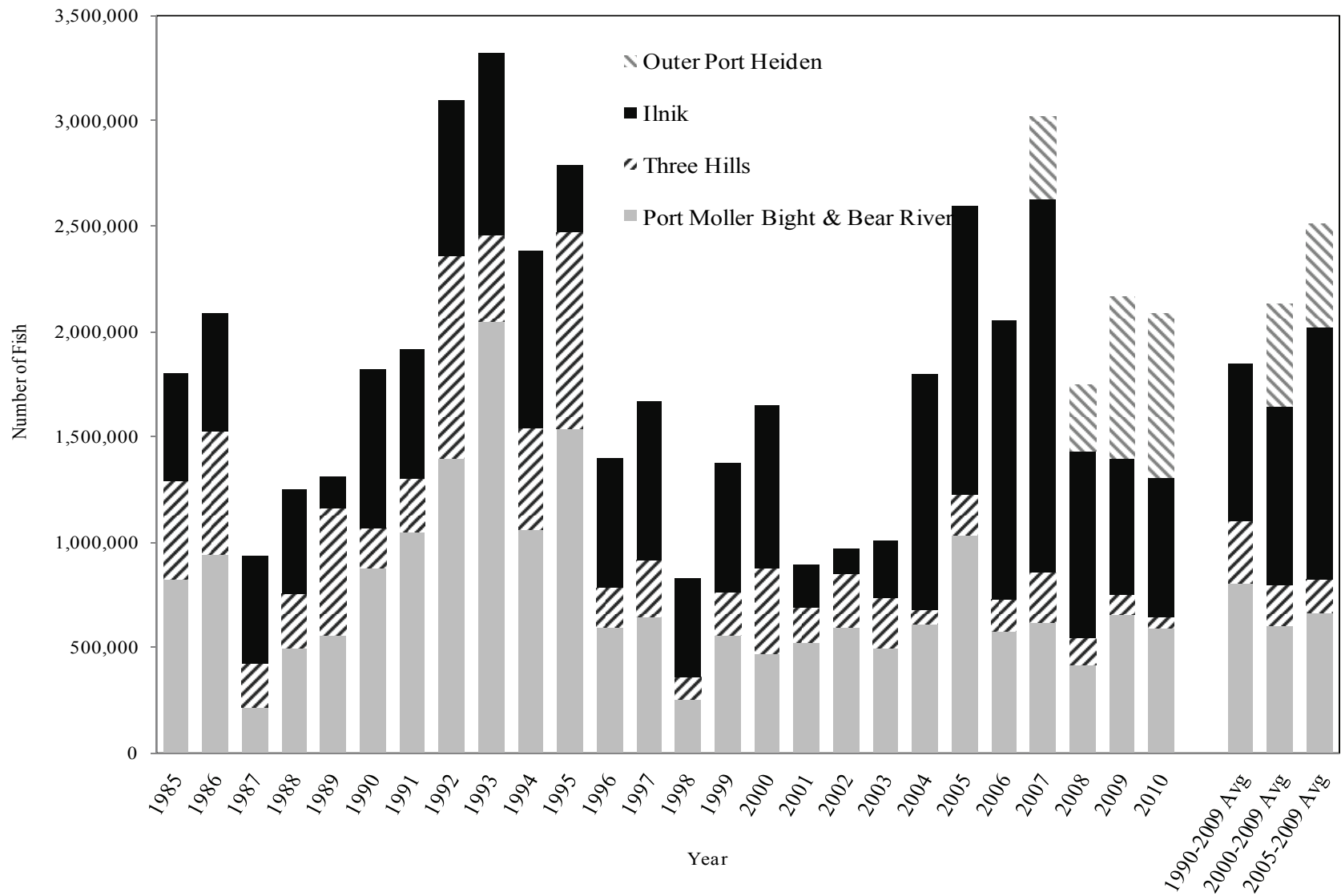


Figure 5.—Port Moller Bight, Bear River, Three Hills, Ilnik and Outer Port Heiden sections commercial sockeye salmon harvest, 1985–2010.

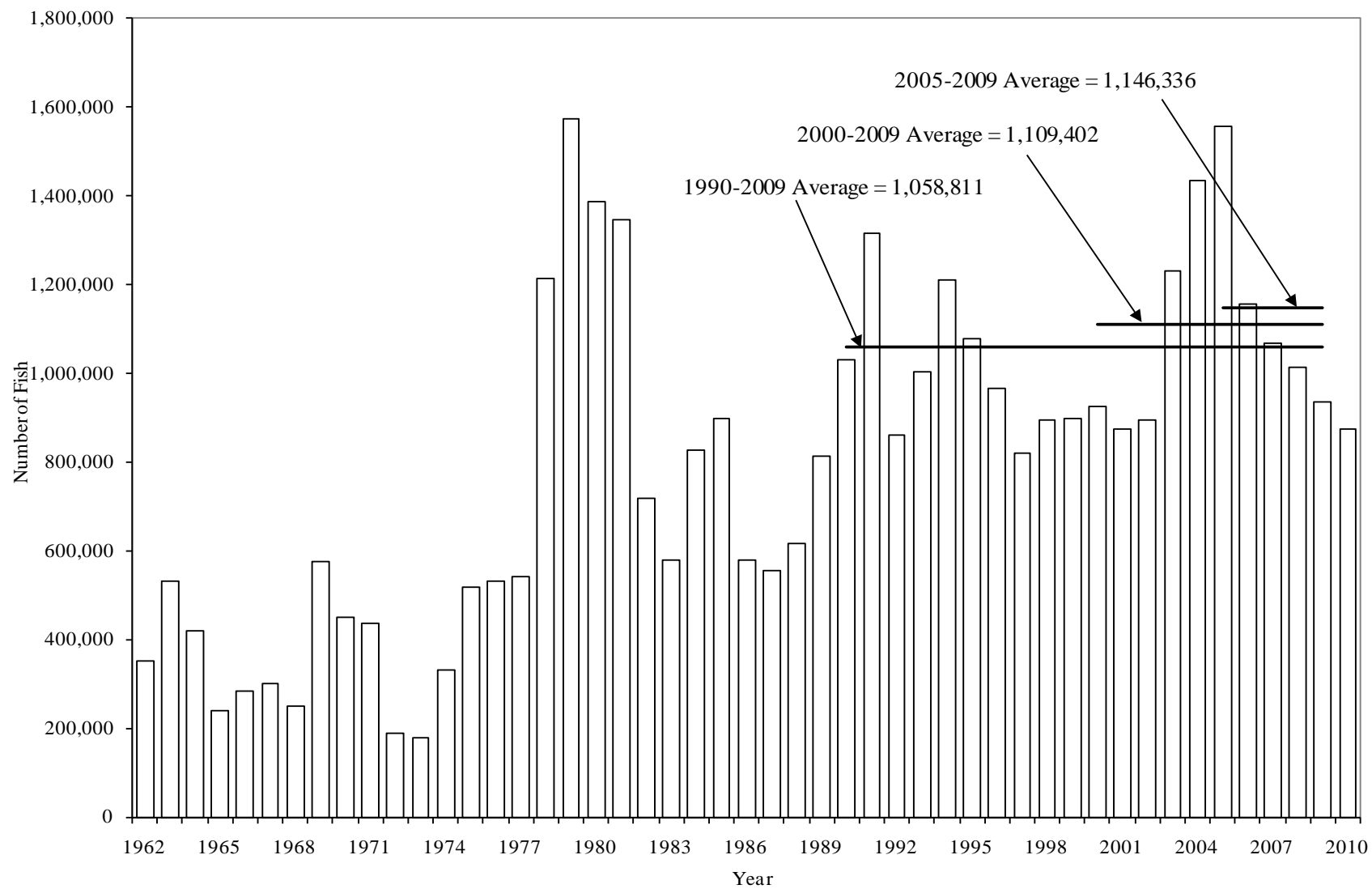


Figure 6.—North Alaska Peninsula sockeye salmon escapement, 1962–2010.

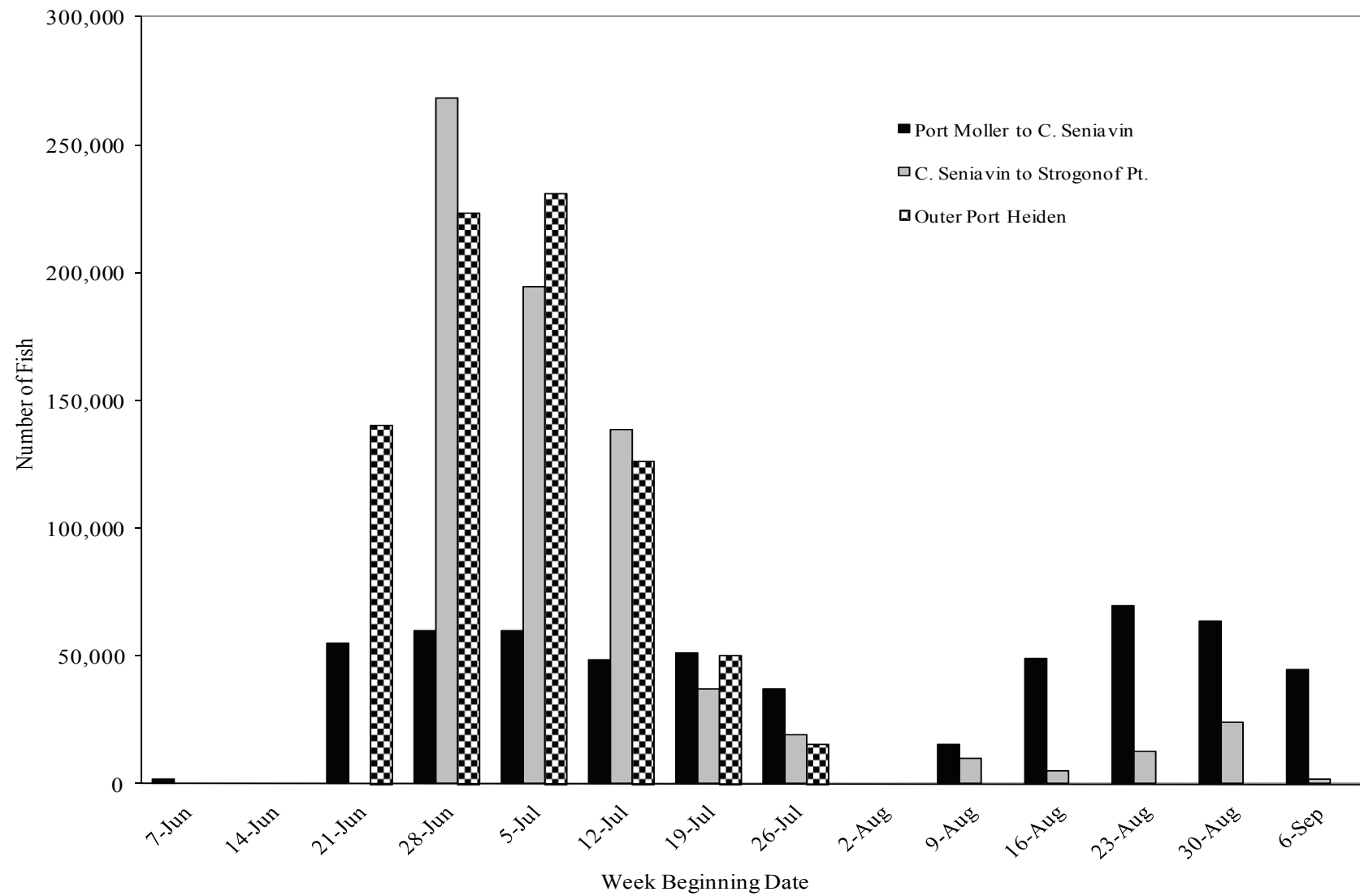


Figure 7.—Port Moller to Cape Seniavin, Cape Seniavin to Strogonof Point, and Outer Port Heiden sockeye salmon catch by week, 2010.

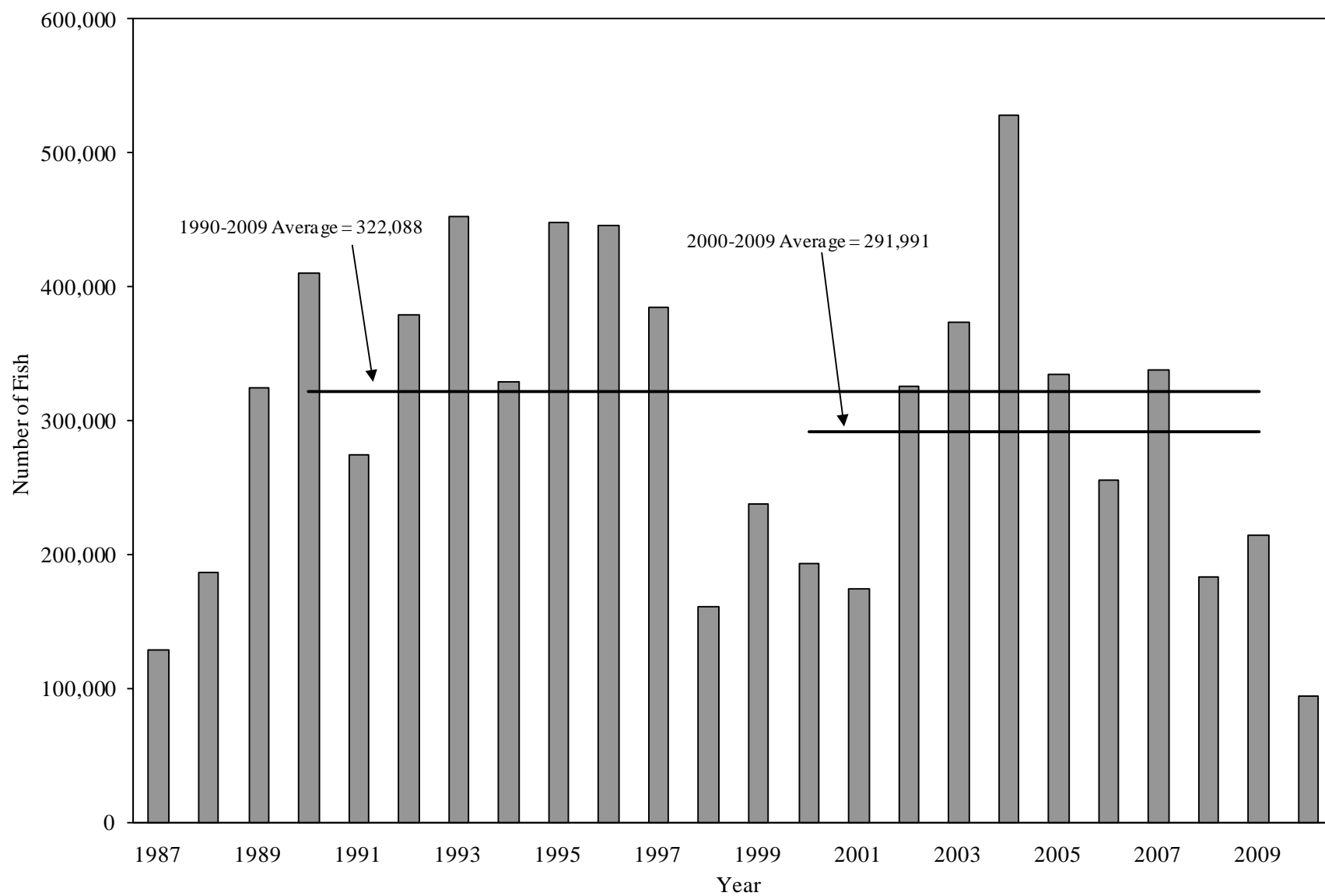


Figure 8.—Nelson Lagoon commercial sockeye salmon harvest, 1987–2010.

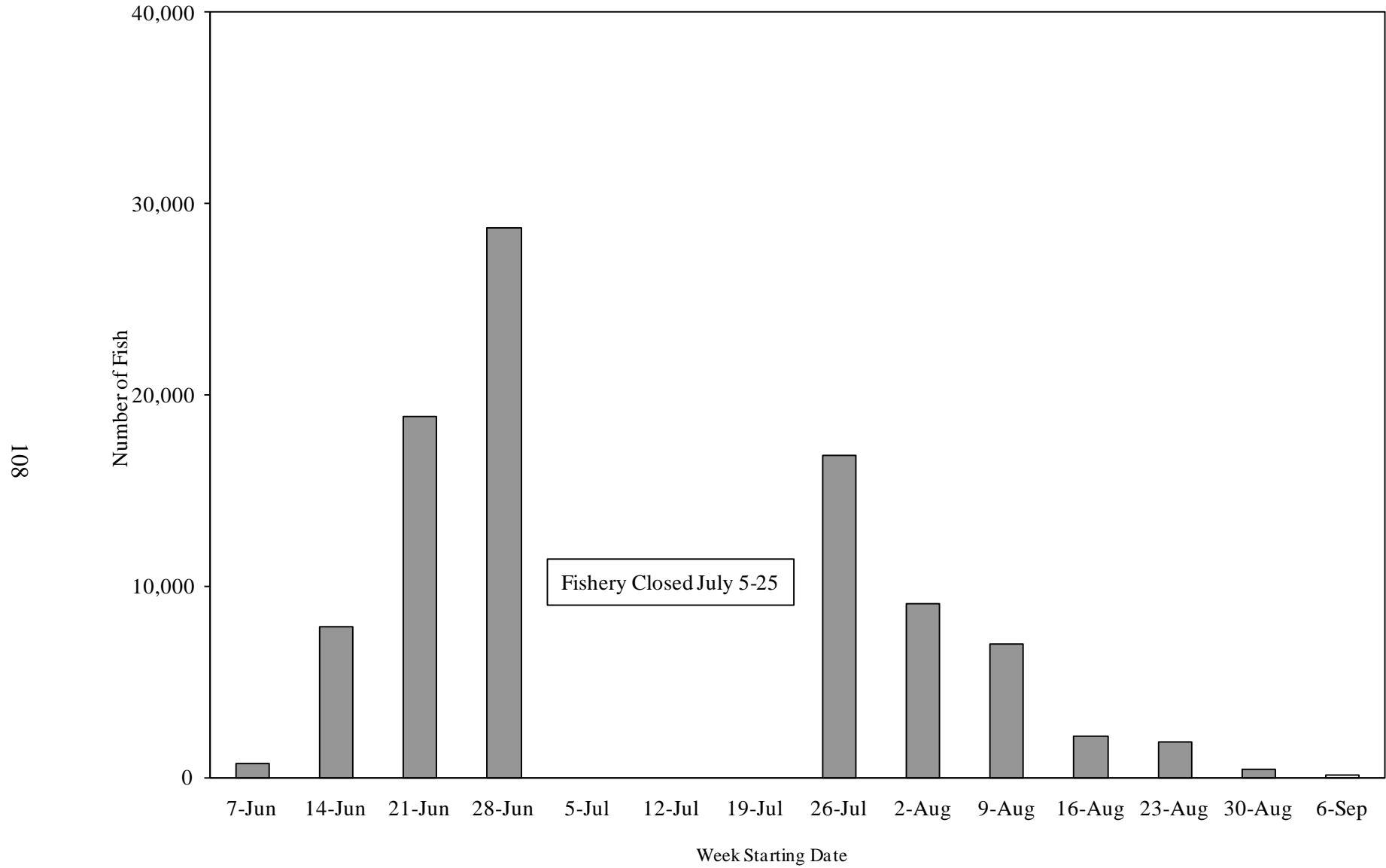


Figure 9.—Nelson Lagoon commercial sockeye salmon harvest by week, 2010.

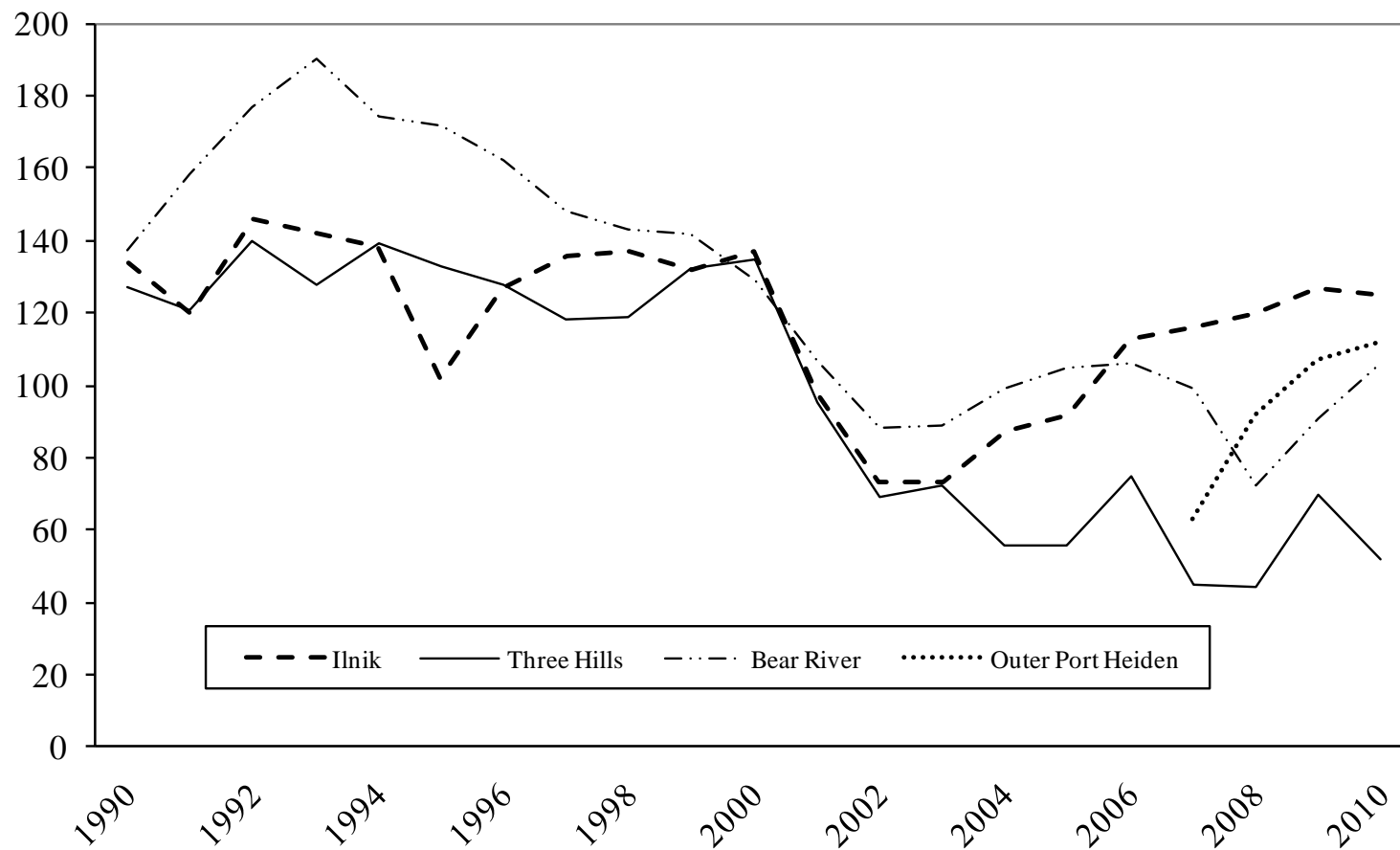


Figure 10.—Number of permits fished in the Ilnik, Three Hills, Bear River, and Outer Port Heiden sections, 1990–2010.

**APPENDIX A. NORTH ALASKA PENINSULA SALMON
ESCAPEMENT, 2010**

Appendix A1.—North Alaska Peninsula estimated total escapement for Chinook, sockeye, pink, and chum salmon, and peak escapement counts for coho salmon, 2010.

NORTHWESTERN DISTRICT						
Stream No.	Stream Name	Number of Salmon ^a				
		Chinook	Sockeye	Coho	Pink	Chum
URILIA BAY SECTION						
311-30.06	Divide Cr.					
311-30.07	Whaleback Mtn. Cr.		27,900			
311-30.08	Christianson Lgn.					
<i>Christianson Lagoon System total</i>		0	27,900	0	0	0
311-30.09	Mudhole		800			
311-30.10	Clear Lgn.		6,000			
<i>Peterson Lagoon System total</i>		0	6,800	0	0	0
311-40.01	Emil's River					
311-40.04	North Cr.					
311-40.07	Otter Point Cr.					
Total Urilia Bay Section		0	34,700	0	0	0
SWANSON LAGOON SECTION						
311-50.01	Big River					
311-50.02	Swanson Lgn. System		1,700			
Total Swanson Lagoon Section		0	1,700	0	0	0
BECHEVIN BAY SECTION						
311-60.01	St. Catherine Cove				6,000	30,200
311-60.06	Anderson's Cr.				1,100	
311-60.07 & .08	Trader's Cove				5,400	
311-60.12	Warm Springs Bay				1,100	
311-60.13	Hungry's Cr.					
311-60.18	Lampspout Lagoon					
Total Bechevin Bay Section		0	0	0	13,600	30,200
IZEMBEK-MOFFET BAY SECTION						
312-20.01	Norma Bay Lakes					
312-20.02	Mike's Duck Camp Cr.				1,700	800
312-20.03	Norma Bay, South					1,100
312-20.04	Third Bridge Cr.					400
312-20.05	Frosty Cr.					200
312-20.06	Blue Bill Lake					300
312-20.13	Outer Marker Lakes					4,200
312-20.51	Springs S Frosty Cr.					
312-20.52	Second Bridge Cr.		200			
<i>Izembek Lagoon Total</i>		0	200	0	1,700	7,000
312-40.01	Joshua Green River		11,600			100,600
312-40.02	Moffet Springs Cr.		200			3,800
312-40.03	Moffet Cr.		700			2,500
312-40.04	Unnamed					
312-40.05	Unnamed					
<i>Moffet Bay total</i>		0	12,500	0	0	106,900
Total Izembek-Moffet Bay Section		0	12,700	0	1,700	113,900
NORTHWESTERN DISTRICT TOTAL		0	49,100	0	15,300	144,100

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NORTHERN DISTRICT						
Stream No.	Stream Name	Number of Salmon ^a				
		Chinook	Sockeye	Coho	Pink	Chum
BLACK HILLS SECTION						
313-10.02	North Cr.	1,600	18,500	1,900		4,000
313-10.05	Cathedral River					
313-10.06	Russian River					1,200
313-10.09	AMOCO Airstrip Cr.			600		200
313-10.11	Black Hills Cr.	800	4,000	4,000		200
313-10.14	Steelhead Cr.	700	6,000	2,000		2,000
Total Black Hills Section		3,100	28,500	8,500	0	7,600
NELSON LAGOON SECTION						
313-30.01	David's R. (early)		27,000			
313-30.01 & .04	David's R. (late)		2,000			
313-30.02	Caribou River		20,000			
313-30.03	Nelson (Sapsuk) River	2,769	108,000	15,000	133	12,000
Total Nelson Lagoon Section		2,769	157,000	15,000	133	12,000
HERENDEEN-MOLLER BAY SECTION						
314-20.02	Buck Valley					
314-20.03	Doe Valley					
314-20.04	Deer Valley			2,000	2,000	8,000
314-20.05	Portage Valley					3,000
314-20.06	Grass Valley		1,300	1,700	4,000	21,000
314-20.07	Lawrence Valley			1,900	5,000	23,000
314-20.08	Mine Hbr.					200
314-20.09	Coal Cr.			1,900	1,300	14,000
Herenden Bay total		0	1,300	7,500	12,300	69,200
314-30.04	Mud Bay, West			100		15,000
314-30.05	Mud Bay, East			600	900	8,000
314-30.07	Head Cr., Rt Head			300		400
314-30.09	Right Head Cr.				800	7,000
314-30.10	Left Head Cr.			4,500	2,000	9,000
Moller Bay total		0	0	5,500	3,700	39,400
Total Herenden-Moller Bay Section		0	1,300	13,000	16,000	108,600
BEAR RIVER SECTION						
315-10.01	Frank's Lgn.			700		300
315-10.02	King Salmon R.	50				
315-11.02	Bear River	414	369,500		904	600
315-12.01	Sandy River	80	37,000		23	10
Total Bear River Section		544	406,500	700	927	910
THREE HILLS SECTION						
316-10.01	Lime Cr.			1,100		900
316-10.02	Unnamed			400		400
316-10.04	SW of 3-Hills		1,100	600		600
Total Three Hills Section		0	1,100	2,100	0	1,900

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NORTHERN DISTRICT (continued)

Stream No.	Stream Name	Number of Salmon ^a				
		Chinook	Sockeye	Coho	Pink	Chum
ILNIK SECTION						
316-10.05	Ocean River		16,000	3,600		
316-10.06	Willie Creek					
316-20.01	Ilnik Lagoon System	14	43,000	16,000	52	
316-20.04	Unangashak			9,000		
Total Ilnik Section		14	59,000	28,600	52	0
INNER PORT HEIDEN SECTION						
317-20.02	Charles Cr.	10				
317-20.04 A & B	Red & Yellow Bluff Creeks	400	17,500			3,000
317-20.06	Highland Cr.					
West Port Heiden Bay Total		410	17,500	0	0	3,000
317-20.07 A	Meshik River, main stem		4,000	22,000		1,200
317-20.07 B	Braided Cr.	300				
317-20.07 C	Landlocked Cr.			2,000		
317-20.07 D	Bluff Cr.		600			
317-20.07 E	Blue Violet Cr.	100	22,000			1,500
317-20.07 F	Wolf Cr.		5,000			300
317-20.07 G	Unnamed					
317-20.07 H	Shoe Cr.		3,000			
317-20.07 J	Unnamed					
317-20.07 K	Unnamed		4,500			
317-20.07 L	Unnamed	200	3,500			600
317-20.07 M	Unnamed		800			
317-20.07 N	Unnamed		600			
317-20.07 O	Plenty Bear Cr.					
317-20.07 O-A	Paddle Cr.		800			300
317-20.07 P	Waterfall Cr.					
317-20.07 R	Rainbow Cr.		1,200			400
317-20.07 T	Cub Cr.		200			100
Meshik River total		600	46,200	24,000	0	4,400
317-20.08	Birthday Cr.					2,200
317-20.09	Barabara Cr.					
Total Inner Port Heiden Section		1,010	63,700	24,000	0	9,600
OUTER PORT HEIDEN SECTION						
318-10.01	Reindeer Cr.					1,200
Total Outer Port Heiden Section		0	0	0	0	1,200

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NORTHERN DISTRICT (continued)						
Stream No.	Stream Name	Number of Salmon ^a				
		Chinook	Sockeye	Coho	Pink	Chum
CINDER RIVER SECTION						
318-20.01	Unnamed					
318-20.04	Mud Cr.	200	18,000			400
318-20.06 A	Cinder River, main stem		17,000	26,000		1,900
318-20.06 B	Unnamed					
318-20.06 C	Unnamed					200
318-20.06 D	Lava Creek	600	35,000			
318-20.06 E	High Creek		2,000			
318-20.06 H	Meloy Cr.	600	17,000			1,000
318-20.06 J	Wiggly Cr.	400	19,000			
318-20.06 K	Ray Cr.	100	600			
318-20.06 L	Unnamed	50	300			
<i>Cinder River total</i>		<i>1,750</i>	<i>90,900</i>	<i>26,000</i>	<i>0</i>	<i>3,100</i>
Total Cinder River Section		1,950	108,900	26,000	0	3,500
NORTHERN DISTRICT TOTAL		9,387	826,000	117,900	17,112	145,310
TOTAL NORTH PENINSULA		9,387	875,100	117,900	32,412	289,410

^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, 2010.

Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Divide Creek, 311-3006										
07/07/2010 Aaron Poetter / Matt Keyse	Stream	G	0	0	0	0	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay	G	0	0	0	0	0	0		
07/10/2010 Aaron Poetter / Matt Keyse	Stream	G	0	0	0	0	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay	G	0	0	0	0	0	0		
07/20/2010 Aaron Poetter / Matt Keyse	Stream	P	0	0	0	0	0	0		
	Mouth	P	0	0	0	0	0	0		
	Bay	P	0	0	0	0	0	0		
Whaleback Mtn Crk, 311-3007										
07/07/2010 Aaron Poetter / Matt Keyse	Stream	G	0	0	0	0	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay	G	0	0	0	0	0	0		
07/10/2010 Aaron Poetter / Matt Keyse	Stream	G	0	9,000	0	0	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay	G	0	0	0	0	0	0		
07/16/2010 Aaron Poetter	Stream	F	0	9,300	0	0	0	0		
	Mouth	F	0	0	0	0	0	0		
	Bay	P	0	0	0	0	0	0		
07/20/2010 Aaron Poetter / Matt Keyse	Stream	P	0	3,400	0	0	0	0		
	Mouth	P	0	0	0	0	0	0		
	Bay	P	0	0	0	0	0	0		
Christianson Lagoon, 311-3008										
06/12/2010 Aaron Poetter / Matt Keyse	Stream	G	0	2,000	0	0	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay	G	0	0	0	0	0	0		
07/07/2010 Aaron Poetter / Matt Keyse	Stream	G	0	500	0	0	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay	F	0	0	0	0	0	0		
07/10/2010 Aaron Poetter / Matt Keyse	Stream	G	0	0	0	0	0	0		
	Mouth	G	0	0	0	0	0	0		
	Bay	G	0	0	0	0	0	0		
07/20/2010 Aaron Poetter / Matt Keyse	Stream	P	0	500	0	0	0	0		
	Mouth	P	0	0	0	0	0	0		
	Bay	P	0	0	0	0	0	0		

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Mud Hole, 311-3009										
	07/07/2010		Stream	G	0	5	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	07/10/2010		Stream	G	0	4	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	07/20/2010		Stream	P	0	800	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Clear Lagoon, 311-3010										
	07/02/2010		Stream	P	0	0	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	07/07/2010		Stream	G	0	0	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	07/16/2010		Stream	F	0	700	0	0	0	
		Aaron Poetter	Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
Swanson Lagoon, 311-5002										
	07/07/2010		Stream	G	0	3	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	07/10/2010		Stream	G	0	0	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	07/16/2010		Stream	G	0	1,700	0	0	0	
		Aaron Poetter	Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	07/20/2010		Stream	F	0	1,100	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Mike's Valley, 311-6001										

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
07/02/2010			Stream	F	0	0	0	0	1,500	
	Aaron Poetter / Matt Keyse		Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	3,500	
07/07/2010			Stream	G	0	0	0	0	1,000	
	Aaron Poetter / Matt Keyse		Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
07/10/2010			Stream	G	0	0	0	0	3,200	
	Aaron Poetter / Matt Keyse		Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
07/16/2010			Stream	E	0	0	0	0	10,300	
	Aaron Poetter		Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	13,000	
07/20/2010			Stream	G	0	0	0	0	17,900	
	Aaron Poetter / Matt Keyse		Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Joshua Green River, 312-4001										
07/10/2010			Stream	P	0	0	0	0	0	A LOT OF FLUVIAL MATERIAL IN THE STREAM.
	Aaron Poetter / Matt Keyse		Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
07/27/2010			Stream	F	0	6,000	0	0	13,000	
	Aaron Poetter		Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
08/20/2010			Stream		0	5,600	0	0	100,600	RIGHT HAND VALLEY: 5,600 REDS, 65,600 CHUM. LEFT HAND VALLEY: 35,000 CHUM.
	Aaron Poetter / Matt Keyse		Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Moffet Springs Crk, 312-4002										
08/20/2010			Stream		0	200	0	0	3,800	
	Aaron Poetter / Matt Keyse		Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Moffet Creek, 312-4003										
08/20/2010			Stream		0	700	0	0	2,500	
	Aaron Poetter / Matt Keyse		Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
North Creek, 313-1002	08/23/2010	Bob Murphy	Stream Mouth Bay	G	1,600	18,500	0	0	4,000	STREAM DISTRIBUTION: STREAM A - TOO MURKY; STREAM B - 1,600 CHINOOK, 3,500 SOCKEYE, 4,000 CHUM; STREAM C - 12,000 SPAWNING SOCKEYE IN WEST LAKE AND 3,000 SPAWNING SOCKEYE IN UPPER LAKE SPAWNING.
	09/04/2010	Bob Murphy/Trent Hartill	Stream Mouth Bay	G	0	0	1,900	0	3,800	STREAM DISTRIBUTION: CREEK A - TOO MURKY; CREEK B - SURVEYED ABOUT THREE MILES UPRIVER, 3000 CHUMS AND 1200 COHO; CREEK C - SURVEYED LOWER 1/2 MILE, NO COHO AND 800 CHUM; CREEK D - 700 COHO.
Cathedral River, 313-1005	08/23/2010	Bob Murphy	Stream Mouth Bay							TOO MURKY TO SURVEY
	09/04/2010	Bob Murphy/Trent Hartill	Stream Mouth Bay	P						TOO MURKY TO SURVEY
Trader Mtn Cr, 313-1006	08/23/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	1,200	
	09/04/2010	Bob Murphy/Trent Hartill	Stream Mouth Bay	P						TOO MURKY TO SURVEY
Next To Amco Airstp, 313-1009	08/23/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	200	
	09/04/2010	Bob Murphy/Trent Hartill	Stream Mouth Bay	G	0	0	600	0	0	DISTANCE SURVEYED: LOWER TWO MILES
Black Hills Creek, 313-1011	08/23/2010	Bob Murphy	Stream Mouth Bay	G	800	4,000	0	0	200	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	09/04/2010	Bob Murphy/Trent Hartill	Stream Mouth Bay	G	0	0	4,000	0	0	
Steelhead Creek, 313-1014	08/20/2010	Bob Murphy	Stream Mouth Bay							TOO FOGGY. DID NOT SURVEY.
	08/23/2010	Bob Murphy	Stream Mouth Bay	G	700	6,000	0	0	2,000	MOST FISH BELOW CANYON
	09/04/2010	Bob Murphy/Trent Hartill	Stream Mouth Bay	G	0	0	2,000	0	0	
David's River, 313-3001	07/06/2010	Bob Murphy	Stream Mouth Bay	G	0	5,000	0	0	0	ALMOST ALL THE SOCKEYE ARE WELL ABOVE SHERMAN'S CABIN.
	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	22,000	0	0	0	
Caribou River, 313-3002	07/06/2010	Bob Murphy	Stream Mouth Bay	G	0	8,000	0	0	0	SOME SOCKEYE ARE ALREADY RED. THE SOCKEYE ARE VERY FAR UP THE RIVER
	08/20/2010	Bob Murphy	Stream Mouth Bay							FOGGY AT HEADWATERS. COULD NOT SURVEY.
	08/23/2010	Bob Murphy	Stream Mouth Bay	G	0	12,000	0	0	0	MOST SOCKEYE ARE FAR UPRIVER IN TWO SIDE SLOUGHS. PLUS CARCASSES: 3,000 SOCKEYE, NOT INCLUDED IN COUNT.
Nelson R./Hoodoo L., 313-3003	06/28/2010	Bob Murphy	Stream Mouth Bay	G	300	5,000	0	0	0	CHINOOK COUNT FROM LAGOON TO WEIR. TEN SPORT FISHERMAN IN RIVER.
	07/06/2010	Bob Murphy	Stream Mouth Bay	G	200	3,500	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	07/10/2010	Bob Murphy	Stream Mouth Bay	G	450	3,500	0	0	0	MOST OF THE CHINOOK ARE IN THE DEEP HOLES
	07/13/2010	Trent Hartill	Stream Mouth Bay	F	0	2,500	0	0	0	VISIBILITY WAS POOR BELOW THE LODGE. SIX SPORTFISHERS AT MOUTH OF DAVID'S RIVER.
	07/17/2010	Bob Murphy	Stream Mouth Bay	G	0	11,000	0	0	6,000	MOST CHUM ARE LOCATED NEAR DAVID RIVER CONFLUENCE.
	07/21/2010	Bob Murphy	Stream Mouth Bay	G	0	22,000	0	0	5,000	CHUMS ARE IN THE LOWER RIVER. MOST OF THE SOCKEYE ARE FROM THE LODGE TO THE WEIR.
	07/30/2010	Trent Hartill	Stream Mouth Bay	G	200	10,000	0	0	0	
	07/31/2010	Bob Murphy	Stream Mouth Bay	G	0	18,000	0	0	12,000	DISTANCE SURVEYED: WEIR TO DAVID RIVER. CHUM ARE IN LOWER RIVER, ABOVE DAVID RIVER. SOCKEYE ARE FROM 1/4 MILE BELOW WEIR TO THE LODGE.
	08/06/2010	Bob Murphy	Stream Mouth Bay	G	0	23,000	0	0	0	SOCKEYE FROM WEIR SITE TO LODGE AND ALL COLORED UP.
	09/04/2010	Bob Murphy/Trent Hartill	Stream Mouth Bay	G	0	0	15,000	0	0	DISTANCE SURVEYED: FROM ABOVE WEIR SITE TO LAGOON.
Drill Hole Lake, 313-3004	08/23/2010	Bob Murphy	Stream Mouth Bay	G	0	2,000	0	0	0	WEST LAKE IS TOO MURKY TO SURVEY. EAST LAKE HAS 2,000 SOCKEYE.
Buck Valley, 314-2002	07/23/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	0	NOT MUCH WATER IN STREAM. NO FISH WERE OBSERVED.
	07/30/2010	Trent Hartill	Stream Mouth Bay	P	0	0	0	0	0	NO FISH WERE OBSERVED. WATER WAS MURKY.

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/06/2010		Bob Murphy	Stream Mouth Bay	G	0	0	0	0	0	
09/05/2010		Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	0	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.
Doe Valley, 314-2003										
07/23/2010		Trent Hartill	Stream Mouth Bay	G	0	0	0	0	0	NO FISH WERE OBSERVED.
07/30/2010		Trent Hartill	Stream Mouth Bay	P	0	0	0	0	0	WATER WAS MURKY. COULD NOT SEE ANYTHING.
08/06/2010		Bob Murphy	Stream Mouth Bay	G	0	0	0	0	0	
				G	0	0	0	2,000	0	
09/05/2010		Bob Murphy / Dawn Wilburn	Stream Mouth Bay	P	0	0	0	0	0	MURKY WATERS
Deer Valley, 314-2004										
07/17/2010		Bob Murphy	Stream Mouth Bay	G	0	0	0	0	0	
07/23/2010		Trent Hartill	Stream Mouth Bay	G	0	0	0	0	2,000	
07/30/2010		Trent Hartill	Stream Mouth Bay	P	0	0	0	0	3,000	WATER WAS MURKY. MURKINESS OBSCURED DEEP HOLES. ESTIMATED ESCAPEMENT IS A MINIMUM.
08/06/2010		Bob Murphy	Stream Mouth Bay	G	0	0	0	3,000	8,000	STREAM DISTRIBUTION: CHUMS IN LOWER RIVER.
09/05/2010		Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	2,000	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.

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Appendix A2.–Page 8 of 20.

Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Portage Valley, 314-2005										
07/30/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	200		
08/06/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	0	ZERO FISH IN STREAM AND 3,000 CHUMS IN THE MOUTH	
			G	0	0	0	0	3,000		
09/05/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	0	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.	
Grass Valley, 314-2006										
07/17/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	0	NO SOCKEYE WERE IN THE LAKE	
07/30/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	1,200		
			G	0	0	0	0	7,500		
08/06/2010	Bob Murphy	Stream Mouth Bay	G	0	1,300	0	0	21,000	STREAM DISTRIBUTION: IN LAKE - 21,000 CHUM AND 1,300 SOCKEYE. IN ADDITION, 40,000 PINKS IN THE OCEAN BETWEEN LAWRENCE VALLEY AND GRASS VALLEY.	
			G	0	0	0	40,000	0		
09/05/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	1,700	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.	
Lawrence Valley, 314-2007										
07/17/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	5,000	SOME JUMPERS AT THE MOUTH	
07/23/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	6,500		
			G	0	0	0	0	1,000		
07/30/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	5,000		
			G	0	0	0	0	10,000		
08/06/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	23,000	STREAM DISTRIBUTION: STREAM A - 5,000 CHUMS; STREAM B - 18,000 CHUMS	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	09/05/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	1,900	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.
Mine Harbor, 314-2008	07/23/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	0	NO FISH WERE OBSERVED.
	07/30/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	0	NO FISH OBSERVED.
	08/06/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	200	
	09/05/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	0	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.
Coal Creek, 314-2009	07/17/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	4,000	ALL CHUM WERE LOCATED WITHIN THREE MILES OF THE MOUTH
	07/23/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	2,500	
	07/30/2010	Trent Hartill	Stream Mouth Bay	F	0	0	0	0	1,000	TOUGH TO SEE, A LITTLE MURKY.
	08/06/2010	Bob Murphy	Stream Mouth Bay	G G	0 0	0 0	0 0	25,000 0	0 14,000	
	09/05/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G G	0 0	0 0	1,500 400	0 0	0 0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.
Mud Bay 3004, 314-3004	07/23/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	9,000	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
07/30/2010 Trent Hartill			Stream Mouth Bay	F	0	0	0	0	2,000	A LITTLE MURKY
				F	0	0	0	0	500	
08/06/2010 Bob Murphy			Stream Mouth Bay	G	0	0	0	0	15,000	
09/05/2010 Bob Murphy / Dawn Wilburn			Stream Mouth Bay	G	0	0	100	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.
Mud Bay 3005, 314-3005 07/23/2010 Trent Hartill			Stream Mouth Bay	G	0	0	0	0	1,200	
07/30/2010 Trent Hartill			Stream Mouth Bay	F	0	0	0	0	1,000	A LITTLE MURKY
				F	0	0	0	0	500	
08/06/2010 Bob Murphy			Stream Mouth Bay	G	0	0	0	0	8,000	
09/05/2010 Bob Murphy / Dawn Wilburn			Stream Mouth Bay	G	0	0	600	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.
Head Creek, Right Hd, 314-3007 07/23/2010 Trent Hartill			Stream Mouth Bay	G	0	0	0	0	0	NO FISH OBSERVED.
07/30/2010 Trent Hartill			Stream Mouth Bay	F	0	0	0	0	200	ONLY SURVEYED MOUTH.
08/06/2010 Bob Murphy			Stream Mouth Bay	G	0	0	0	0	400	
09/05/2010 Bob Murphy / Dawn Wilburn			Stream Mouth Bay	G	0	0	300	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Right Head Creek, 314-3009										
07/23/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	1,500		
07/30/2010	Trent Hartill	Stream Mouth Bay	E P	0 0	0 0	0 0	0 0	3,500 0	GREAT VISIBILITY IN RIVER. JUMPERS IN MOUTH BUT WATER WAS TOO MURKY TO SEE FISH.	
08/06/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	1,000	7,000	STREAM DISTRIBUTION: 3,000 CHUM IN THE SLOUGH; 4,000 CHUMS IN MAIN RIVER; 1,000 PINKS IN LOWER 1/2 MILE OF RIVER.	
09/05/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	0	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.	
Left Head Creek, 314-3010										
07/23/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	0	NO FISH WERE OBSERVED.	
07/30/2010	Trent Hartill	Stream Mouth Bay	G	0	0	0	0	200		
08/06/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	1,500	9,000	DISTRIBUTION: NORTH RIVER - 4,000 CHUM AND 1,500 PINKS; SOUTH RIVER - 5,000 CHUM	
09/05/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	4,500	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.	
Frank's Lagoon, 315-1001										
08/02/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	0	0	300		
09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	0	600	0	0	COHO SURVEY	
09/05/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	700	0	0	COHO SURVEY	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
King Salmon River, 315-1002										
08/02/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	P	50	0	0	0	0	MURKY WATERS	
09/04/2010	Bob Murphy	Stream Mouth Bay	P						TOO MURKY TO SURVEY	
Bear River, Branches, 315-1102										
06/18/2010	Bob Murphy	Stream Mouth Bay	G	0	400	0	0	0	DISTANCE SURVEYED: MAD SOW TO WEIR	
06/21/2010	Bob Murphy	Stream Mouth Bay	G	0	9,000	0	0	0	DISTANCE SURVEYED: MAD SOW TO WEIR	
06/28/2010	Bob Murphy	Stream Mouth Bay	G	0	9,000	0	0	0	DISTANCE SURVEYED: MAD SOW TO WEIR	
06/30/2010	Bob Murphy	Stream Mouth Bay	G	0	8,500	0	0	0	DISTANCE SURVEYED: MAD SOW TO WEIR	
07/06/2010	Bob Murphy	Stream Mouth Bay	G	0	4,200	0	0	0	DISTANCE SURVEYED: MAD SOW TO WEIR	
07/10/2010	Bob Murphy	Stream Mouth Bay	G	0	3,000	0	0	0	DISTANCE SURVEYED: MAD SOW TO WEIR, LOWER SECTION OF THE RIVER IS TOO MURKY TO SEE FISH.	
07/24/2010	Trent Hartill	Stream Mouth Bay	G	0	2,500	0	0	0	MOST FISH ARE HOLDING DIRECTLY ABOVE MAD SOW CREEK. NOT MANY FISH IN UPPER PORTION OF RIVER.	
08/02/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	400	1,600	0	0	600	STREAM DISTRIBUTION: ALL CHUM AND CHINOOK ARE IN RIDGERUNNER CREEK. THE CHUMS ARE WITHIN 3 MILES OF MILKY RIVER CONFLUENCE. SOCKEYE NUMBERS ARE FROM THE MAINSTEM OF BEAR RIVER - MAD SOW TO WEIR.	
08/05/2010	Bob Murphy	Stream Mouth Bay	G	0	3,000	0	0	0		

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/06/2010	Bob Murphy	Stream Mouth Bay	G	0	1,800	0	0	0	DISTANCE SURVEYED: WEIR TO MAD SOW
	08/10/2010	Bob Murphy	Stream Mouth Bay	G	0	3,000	0	0	0	DISTANCE SURVEYED: MAD SOW TO WEIR
	08/20/2010	Bob Murphy	Stream Mouth Bay	F	0	5,000	0	0	0	DISTANCE SURVEYED: WEIR TO MAD SOW. FAIR CONDITIONS
	08/27/2010	Bob Murphy	Stream Mouth Bay	E	0	2,300	0	0	0	DISTANCE SURVEYED: MAD SOW TO WEIR. EXCELLENT CONDITIONS IN UPPER RIVER
	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	2,000	0	0	0	DISTANCE SURVEYED: MAD SOW TO WEIR SITE.
Sandy River & Lake, 315-1201	09/04/2010	Bob Murphy	Stream Mouth Bay	P						TOO MURKY TO SURVEY
Lime Creek, 316-1001	08/02/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	0	0	900	CHUMS ARE FAR UPRIVER
	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	0	1,100	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.
Unn;c Seniavin/3hill, 316-1002	08/02/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	0	0	0	400	
	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	0	400	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
SW of 3 Hills, 316-1004	08/02/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	1,100	0	0	600	SOCKEYE ARE IN THE SMALL LAKE; CHUMS IN THE LOWER RIVER
	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	0	600	0	50	CHUM SALMON ARE IN THE LAKE.
Ocean River, 316-1005	06/18/2010	Bob Murphy	Stream Mouth Bay	P	0	0	0	0	0	DUE TO DARK WATER, IT WAS DIFFICULT TO SEE FISH. ZERO FISH.
	06/21/2010	Bob Murphy	Stream Mouth Bay	F	0	3,000	0	0	0	WEATHER CONDITIONS: WINDY, SE 30. FAIR CONDITIONS, MURKY WATERS
	06/30/2010	Bob Murphy	Stream Mouth Bay	G	0	6,000	0	0	0	
	07/10/2010	Bob Murphy	Stream Mouth Bay	G	0	11,000	0	0	0	DISTANCE SURVEYED: MOUTH TO ABOVE THE LODGE. NO FISH ON SPAWNING GROUNDS YET.
	08/02/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	16,000	0	0	0	MOST FISH ARE NEAR THE LODGE AND DOWNSTREAM TWO MILES
	08/27/2010	Bob Murphy	Stream Mouth Bay	G	0	0	3,600	0	0	ONLY LOWER RIVER SURVEYED FOR COHO. ABOUT SIX SPORTFISHERS ON SIDE SLOUGH TO ILNIK LAKE
	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	10,000	3,000	25,000	0	THREE SPORTFISH BOATS WITH TEN SPORT FISHERMEN ARE FISHING THE CHANNEL FROM OCEAN RIVER TO ILNIK LAKE.
Willie Creek, 316-1006	08/02/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	19,000	0	0	0	ABOUT 10,000 OF THESE SOCKEYE ARE ON THE SPAWNING GROUND AND THE OTHER 9,000 ARE SCATTERED DOWN RIVER.
IlNIK River/estuary, 316-2001	07/06/2010	Bob Murphy	Stream Mouth Bay	G	0	3,000	0	0	0	FISH TRAVELING FROM SIDE SLOUGH OF OCEAN RIVER TO ILNIK LAKE.

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	07/10/2010	Bob Murphy	Stream Mouth Bay	G	0	500	0	0	0	FISH ARE BEHIND THE WEIR AND WITHIN 1/2 MILE ABOVE THE WEIR.
	08/02/2010	Bob Murphy / Dawn Wilburn	Stream Mouth Bay	G	0	27,000	0	0	0	STREAM DISTRIBUTION: RIGHT FORK HAS 2,000 SOCKEYE ON THE SPAWNING GROUNDS. LEFT FORK HAS 25,000 SOCKEYE, WHICH ARE ALL ON THE SPAWNING GROUNDS.
	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	0	3,000	0	0	NEAREST BOAT IS FIVE MILES SOUTH OF VILLAGE.
	08/27/2010	Bob Murphy	Stream Mouth Bay	G	0	0	5,000	0	0	MOST ARE NEAR THE VILLAGE SITE TO BELOW WEIR SITE.
	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	0	16,000	0	0	STREAM DISTRIBUTION: 5,000 COHO UPRIVER AND 11,000 COHO IN LAKE AND LAGOON
Unangashak River, 316-2004	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	100	9,000	600	0	STREAM DISTRIBUTION: COHO ARE IN THE MAINSTEM; CREEK C - PINKS ARE UPRIVER AND SOCKEYE ARE IN THE LAKE.
Charles Creek, 317-2002	08/20/2010	Bob Murphy	Stream Mouth Bay	G	10	300	0	0	400	
Highland Creek, 317-2006	08/20/2010	Bob Murphy	Stream Mouth Bay	P	0	0	0	0	0	MURKY WATERS.
Birthday Creek, 317-2008	08/05/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	2,200	
Red Bluff Creek, 317-204A	07/06/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	0	ZERO FISH

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	07/15/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	0	
	08/20/2010	Bob Murphy	Stream Mouth Bay	G	200	16,000	0	0	0	
Yellow Bluff Creek, 317-204B	08/05/2010	Bob Murphy	Stream Mouth Bay	G	200	1,500	0	0	3,000	
Meshik River, 317-207A	06/18/2010	Bob Murphy	Stream Mouth Bay	F	0	2,000	0	0	0	MOST OF THE SOCKEYE WERE LOCATED MANY MILES BELOW SCOTTY'S ISLAND
	06/21/2010	Bob Murphy	Stream Mouth Bay	F	0	11,000	0	0	0	DISTANCE SURVEYED: BAY TO ABOUT FOUR MILES ABOVE SCOTTY'S ISLAND. STRONG WINDS, SE 35.
	06/30/2010	Bob Murphy	Stream Mouth Bay	F	0	18,000	0	0	0	WEATHER CONDITIONS: SE 25-30, CHOPPY WATERS. SIX SPORT FISHERMAN AT SCOTTY'S ISLAND.
	07/06/2010	Bob Murphy	Stream Mouth Bay	G	0	26,000	0	0	0	ONE SUBSISTENCE GILLNET IN THE WATER. MOST OF THE SOCKEYE ARE BELOW SCOTTY'S ISLAND.
	07/10/2010	Bob Murphy	Stream Mouth Bay	P						WATER IS HIGH AND EXTREMELY MURKY.
	07/15/2010	Bob Murphy	Stream Mouth Bay	G	0	43,000	0	0	0	MANY FISH SCHOOLING AT TRIBUTARY MOUTHS
	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	4,000	0	0	1,200	STREAM DISTRIBUTION: 2,000 SOCKEYE AND CHUM IN UPPER MESHIK RIVER; 2000 SOCKEYE IN MESHIK LAKE.
	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	0	22,000	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Braided Creek, 317-207B	08/20/2010	Bob Murphy	Stream Mouth Bay	G	300	2,000	0	0	0	
Landlocked (hotspr.), 317-207C	07/06/2010	Bob Murphy	Stream Mouth Bay	G	0	6,000	0	0	0	
	07/15/2010	Bob Murphy	Stream Mouth Bay	G	0	6,000	0	0	0	
	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	2,000	0	0	400	
	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	0	2,000	0	0	ONLY COHO SURVEYED IN LOWER STRETCHES OF RIVER.
Branch Of Landlocked, 317-207D	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	600	0	0	0	
Blue Violet Creek, 317-207E	08/20/2010	Bob Murphy	Stream Mouth Bay	G	100	22,000	0	0	1,500	
Wolf Creek, 317-207F	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	5,000	0	0	300	
Unnamed, 317-207G	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	0	
Shoe Creek, 317-207H	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	3,000	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Unnamed, 317-207J	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	0	
Unnamed, 317-207K	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	4,500	0	0	0	
Unnamed, 317-207L	08/20/2010	Bob Murphy	Stream Mouth Bay	G	200	3,500	0	0	600	
Unnamed, 317-207M	08/05/2010	Bob Murphy	Stream Mouth Bay	G	0	800	0	0	0	
Unnamed, 317-207N	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	600	0	0	0	
Plenty Bear Creek, 317-207O	08/20/2010	Bob Murphy	Stream Mouth Bay	P	0	0	0	0	0	ZERO FISH. TOO MURKY.
Paddle Creek, 317-207OA	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	800	0	0	300	
Waterfall Creek, 317-207P	08/20/2010	Bob Murphy	Stream Mouth Bay	F	0	0	0	0	0	CREEK HAS CHANGED COURSE - GOING THROUGH TUNDRA AND GRASS WITH RECENT HIGH WATER. ZERO FISH.
Rainbow Creek, 317-207R	08/20/2010	Bob Murphy	Stream Mouth Bay	P	0	1,200	0	0	400	MURKY WATERS

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Cub Creek, 317-207T	08/20/2010	Bob Murphy	Stream Mouth Bay	G	0	200	0	0	100	
Reindeer Creek, 318-1001	08/05/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	1,200	
Mud Creek, 318-2004	08/05/2010	Bob Murphy	Stream Mouth Bay	G	200	18,000	0	0	400	STREAM DISTRIBUTION: STREAM A - 14,000 SOCKEYE, 200 KINGS, 400 CHUM; STREAM B - 4,000 SOCKEYE; STREAM C - TOO MURKY.
Cinder River, Main, 318-206A	08/05/2010	Bob Murphy	Stream Mouth Bay	G	0	17,000	0	0	1,900	STREAM DISTRIBUTION: CHUMS ARE IN THE LOWER RIVER; SOCKEYE ARE IN THE UPPER RIVER AND STILL TRAVELING UPRIVER.
	09/04/2010	Bob Murphy	Stream Mouth Bay	G	0	0	26,000	0	0	DISTANCE SURVEYED: ABOUT TEN MILES UP RIVER. SAW FOUR WOLVES FISHING IN CINDER RIVER LAGOON AND ONE DARK/BLACK WOLF HAD A COLLAR ON.
Unnamed, 318-206C	08/05/2010	Bob Murphy	Stream Mouth Bay	G	0	0	0	0	200	
Lava Creek, 318-206D	08/05/2010	Bob Murphy	Stream Mouth Bay	G	600	35,000	0	0	0	
High Creek, 318-206E	08/05/2010	Bob Murphy	Stream Mouth Bay	G	0	2,000	0	0	0	
Meloy Creek, 318-206H	08/05/2010	Bob Murphy	Stream Mouth Bay	G	600	17,000	0	0	1,000	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Wiggly Creek, 318-206J	08/05/2010	Bob Murphy	Stream Mouth Bay	G	400	19,000	0	0	0	
Ray Creek, 318-206K	08/05/2010	Bob Murphy	Stream Mouth Bay	G	100	600	0	0	0	
Unnamed, 318-206L	08/05/2010	Bob Murphy	Stream Mouth Bay	G	50	300	0	0	0	

Note: Visibility is classified as Good, Fair, or Poor.

**APPENDIX B. NORTH ALASKA PENINSULA TEST
FISHERY, 2010**

Appendix B1.–North Bear River test fishery results for August 4, 2010.

Date	Wednesday August 04, 2010	ADF & G Observer	Trent Hartill	High Tide	5:28 AM, 8.9 ft.
Location	North of Bear River	Fishing Vessel	Betty M	Gillnet	4¾ and 4½ inch
		Skipper	Mike Mosich		
SET INFORMATION					
	1st	2nd	3rd	4th	5th
Location		on the beach in front		~ ½ way between	¼ nautical mile off
Description	½ nautical mile off Bear River and ½ nautical mile offshore	of the Bear River Church, .32 nm from marker	at the regulatory marker	marker and mouth - drifted back to marker	mouth and out, .20 nm from last set
GPS Latitude	56° 10.867' N	56° 10.286' N	56° 09.84' N	56° 09.785' N	56° 09.620' N
GPS Longitude	160° 26.229' W	160° 25.808' W	160° 26.18' W	160° 26.304' W	160° 26.532' W
Amount Net Used	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms
Time					
net set, last buoy	11:09 AM	11:40 AM	12:26 PM	1:26 PM	2:45 PM
started picking	11:23 AM	12:00 AM	12:51 PM	1:55 PM	3:20 PM
net out of water	11:32 AM	12:19 PM	1:18 PM	2:33 PM	4:35 PM
set soak time	0 hr 23 min	0 hr 39 min	0 hr 52 min	1 hr 7 min	1 hr 50 min
Species					
Sockeye	0	38	54	65	395
Chinook	0	0	0	0	0
Pink	0	4	2	1	12
Chum	0	2	7	2	9
Coho	1	0	0	1	0
Skate	0	1	0	0	0
Spiny Dogfish	0	0	1	0	0
Starry Flounder	2	4	3	2	5
Total soak time	4 hr 51 min				
Number of sets	five				
Sockeye total	552				

Appendix B2.—South Bear River test fishery results for August 4, 2010.

Date Wednesday August 04, 2010	ADF&G Observer Robert Murphy	High Tide 5:28 AM, 8.9 ft.
Location South of Bear River	Fishing Vessel Blue Moon	Gillnet Specifications 4½ inch mesh
	Skipper Thomas Murtha	

SET INFORMATION

	1st	2nd	3rd	4th	5th
Location Description	½ nautical mile off beach and near Whale Hole	on the beach at Whale Hole	north of the Whale Hole	at the southern 1,000 yard marker and on the beach	¼ nautical mile offshore and out, 200 yards inside the southern 1000 yard marker
GPS Latitude	56° 07.39' N	56° 07.55' N	56° 07.78' N	56° 08.81' N	56° 08.93' N
GPS Longitude	160° 27.99' W	160° 27.73' W	160° 27.46' W	160° 27.03' W	160° 27.19' W
Amount Net Used	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms
Time					
net set, last buoy	10:46 AM	11:29 AM	12:59 PM	1:57 PM	3:10 PM
started picking	11:10 AM	12:28 PM	1:31 PM	2:32 PM	4:45 PM
net out of water	11:17 AM	12:48 PM	1:42 PM	2:59 PM	5:10 PM
set soak time	0 hr 31 min	1 hr 19 min	0 hr 43 min	1 hr 2 min	2 hr 0 min
Species					
Sockeye	0	68	13	146	133
Chinook	0	0	0	0	0
Pink	0	0	0	0	0
Chum	1	2	1	2	2
Coho	0	0	0	0	0
Irish Lord	0	0	0	0	3
Rock Sole	0	10	0	3	0
Starry Flounder	0	4	0	3	2
Total soak time	5 hr 35 min				
Number of sets	five				
Sockeye total	360				

Appendix B3.–North Bear River test fishery results for August 8, 2010.

Date Sunday August 8, 2010
Location North of Bear River

ADF&G Observer Trent Hartill
Fishing Vessel Kamen
Skipper Fred Turkheimer

High Tide 7:46 AM, 8.9 ft.
Gillnet 4½ inch mesh

SET INFORMATION

	1st	2nd	3rd	4th	5th
Location Description	½ nautical mile north of Bear River Church and ½ nautical mile offshore and out	on the beach in front of Bear River Church	at the northern regulatory marker	200 yards inside the regulatory marker and on the beach	Test Fishery ended after the northern boat made four sets
GPS Latitude	56° 11.058' N	56° 10.131' N	56° 09.877' N	56° 09.758' N	
GPS Longitude	160° 26.275' W	160° 26.026' W	160° 26.218' W	160° 26.467' W	
Amount Net Used	200 fathoms	200 fathoms	200 fathoms	200 fathoms	
Time					
net set, last buoy	10:57 AM	11:52 AM	1:05 PM	2:10 PM	
started picking	11:25 AM	12:20 PM	1:35 PM	2:29 PM	
net out of water	11:32 AM	12:50 PM	2:00 PM	3:36 PM	
set soak time	0 hr 35 min	0 hr 58 min	0 hr 55 min	1 hr 26 min	
Species					
Sockeye	1	220	115	742	
Chinook	0	0	0	0	
Pink	0	0	0	0	
Chum	0	3	1	9	
Coho	0	0	0	0	
Starry Flounder	0	3	4	0	
Total soak time	3 hr 54 min				
Number of sets	four				
Sockeye total	1078				

Appendix B4.—South Bear River test fishery results for August 8, 2010.

Date Sunday August 8, 2010
Location South of Bear River

ADF & G Observer Robert Murphy
Fishing Vessel Viking
Skipper John Ludvick

High Tide 7:46 AM, 8.9 ft.
Gillnet 4½ inch mesh

SET INFORMATION

	1st	2nd	3rd	4th	5th
Location Description	southern part of Whale Hole, ½ nautical mile offshore and out	on the beach at Whale Hole	¼ nautical mile off beach at the southern 1000 yard marker	Test Fishery ended after the northern boat's fourth set	Test Fishery ended after the northern boat's fourth set
GPS Latitude	56° 07.60' N	56° 07.61' N	56° 08.67' N		
GPS Longitude	160° 27.74' W	160° 27.36' W	160° 27.74' W		
Amount Net Used	200 fathoms	200 fathoms	200 fathoms		
Time					
net set, last buoy	10:29 AM	11:08 AM	12:38 PM		
started picking	10:49 AM	11:56 AM	1:38 PM		
net out of water	10:59 AM	12:09 PM	2:27 PM		
set soak time	0 hr 30 min	1 hr 1 min	1 hr 49 min		
Species					
Sockeye	0	94	210		
Chinook	0	0	0		
Pink	1	0	0		
Chum	1	11	4		
Coho	0	1	0		
Starry Flounder	0	0	0		
Total soak time	3 hr 20 min				
Number of sets	three				
Sockeye total	304				

APPENDIX C. MANAGERS NOTES, 2010

In late November and early December 2007, a large flood occurred in areas of the North Alaska Peninsula. A large warm weather system dropped large amounts of rain that caused much of the snow in the mountains to melt resulting in extensive flooding. Flooding occurred at various locations but with no people around at the time little is known of the actual event. However, there were folks located at Bear Lake Lodge when the storm occurred. The entire lodge and ADF&G cabin were surrounded by water. The lodge suffered damage to outbuildings some of which were either destroyed or were moved down river. ADF&G had significant losses to the wooden tripods that were located on the southwest bank as all the tripods were swept downriver several miles and destroyed. Aluminum weir panels and stringers were also scattered. The flooding and damage by the storm was evident on an ADF&G preliminary flight to assess the damage in April 2008, as well as observations throughout the summer months in 2008.

This was the first year that sockeye salmon would be returning to local rivers that experienced the flood as young fish and spent two years at sea. The Nelson (Sapsuk) River sockeye salmon run (including Caribou and David's rivers) was the worst since 1977 and a lengthy closure of the Nelson Lagoon Section occurred that lasted over three weeks during the peak of the fishery. The escapement goal was met but the harvest was very low compared to recent averages. The sockeye salmon runs into Caribou and David's rivers were better than average and appeared to be much earlier than expected. A local lodge owner reported salmon in the David's River in early July. ADF&G verified the report and determined they were sockeye salmon in spawning colors far upriver and almost on the spawning grounds. This would be expected in late July or early August since it was believed that these stocks enter into the Nelson Lagoon system later than the Sapsuk River stocks.

The Bear River late sockeye salmon run was also below average levels, but was not as poor as the Nelson River run. It is not known if the flood that occurred in 2007 had an effect on both of these systems, but there is a good chance that the 2-ocean component returning in 2010 may have been negatively impacted by the flood.

Other significant events not described in detail was a price dispute that only lasted a few days between some fishermen and shore-based processor over the premium paid for refrigerated-sea-water delivered fish. The dispute was settled within a couple of days.

The Ocean River outlet is still emptying directly into the Bering Sea and there is water flow going from the Ocean River into Ilnik Lake which is allowing fish to enter into the Ilnik River system without passing through the weir.

The number of wolves and wolf tracks (on the beach) observed in 2010 was down from the peak years 2007–2008. Caribou sightings on the North Alaska Peninsula from Port Moller to Cinder River are down and uncommon. The ptarmigan population appears to be increasing over the past three years. Compared to past years substantially more Canada and Emperor Geese were

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observed in late August and early September while passing through Port Moller likely enroute to Izembek Lagoon. Brown bears were not as numerous for the first half of the summer, but by mid July their numbers increased in Port Moller where they proceeded to do significant damage to cannery facilities for a week or so.

Several folks that spent time flying in the Port Moller area over the years were killed this year in aircraft accidents. John and Dolores Graybill died in August near McGrath, and Terry Smith was piloting the plane that crashed near Dillingham tragically taking the lives of four others including Senator Ted Stevens. Dale Gunderson and Harold Johnson Jr., both from Nelson Lagoon, also passed away (not in aircraft accidents) during the summer of 2010.

Bob Murphy

Port Moller Area Management Biologist
