

Fishery Management Report No. 12-11

**North Alaska Peninsula Commercial Salmon Annual
Management Report, 2011**

by

Dawn M. Wilburn

and

Robert L. Murphy

April 2012

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



Symbols and Abbreviations

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

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

FISHERY MANAGEMENT REPORT NO. 12-11

**NORTH ALASKA PENINSULA COMMERCIAL SALMON ANNUAL
MANAGEMENT REPORT, 2011**

by

Dawn M. Wilburn

Alaska Department of Fish and Game, Division of Commercial Fisheries, Kodiak

and

Robert L. Murphy

Alaska Department of Fish and Game, Division of Commercial Fisheries, Kodiak

Alaska Department of Fish and Game
Division of Sport Fish, Research and Technical Services
333 Raspberry Road, Anchorage, Alaska, 99518-1565

April 2012

The Fishery Management Reports series was established in 1989 by the Division of Sport Fish for the publication of an overview of management activities and goals in a specific geographic area, and became a joint divisional series in 2004 with the Division of Commercial Fisheries. Fishery Management Reports are intended for fishery and other technical professionals, as well as lay persons. Fishery Management Reports are available through the Alaska State Library and on the Internet: <http://www.adfg.alaska.gov/sf/publications/>. This publication has undergone regional peer review.

Dawn M. Wilburn
Alaska Department of Fish and Game, Division of Commercial Fisheries
211 Mission Road, Kodiak, AK 99615, USA

and

Robert L. Murphy
Alaska Department of Fish and Game, Division of Commercial Fisheries
211 Mission Road, Kodiak, AK 99615, USA

This document should be cited as:

Wilburn D. M., and R. L. Murphy. 2012. North Alaska Peninsula commercial salmon annual management report, 2011. Alaska Department of Fish and Game, Fishery Management Report No. 12-11, Anchorage.

The Alaska Department of Fish and Game (ADF&G) administers all programs and activities free from discrimination based on race, color, national origin, age, sex, religion, marital status, pregnancy, parenthood, or disability. The department administers all programs and activities in compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act (ADA) of 1990, the Age Discrimination Act of 1975, and Title IX of the Education Amendments of 1972.

If you believe you have been discriminated against in any program, activity, or facility please write:

ADF&G ADA Coordinator, P.O. Box 115526, Juneau, AK 99811-5526

U.S. Fish and Wildlife Service, 4401 N. Fairfax Drive, MS 2042, Arlington, VA 22203

Office of Equal Opportunity, U.S. Department of the Interior, 1849 C Street NW MS 5230, Washington DC 20240

The department's ADA Coordinator can be reached via phone at the following numbers:

(VOICE) 907-465-6077, (Statewide Telecommunication Device for the Deaf) 1-800-478-3648,

(Juneau TDD) 907-465-3646, or (FAX) 907-465-6078

For information on alternative formats and questions on this publication, please contact:

ADF&G Division of Sport Fish, Research and Technical Services, 333 Raspberry Road, Anchorage AK 99518 (907) 267-2375.

TABLE OF CONTENTS

	Page
LIST OF TABLES.....	ii
LIST OF FIGURES.....	iii
LIST OF APPENDICES.....	iii
ABSTRACT.....	1
INTRODUCTION.....	1
North Alaska Peninsula.....	1
Alaska Peninsula and Bristol Bay Salmon Overlap Area.....	3
HARVEST BY SPECIES.....	3
Chinook Salmon.....	3
Sockeye Salmon.....	4
Coho Salmon.....	5
Pink Salmon.....	5
Chum Salmon.....	5
ESCAPEMENT BY SPECIES.....	5
Chinook Salmon.....	5
Sockeye Salmon.....	6
Coho Salmon.....	8
Pink Salmon.....	8
Chum Salmon.....	8
COMMERCIAL SALMON FISHERY SUMMARY, 2011.....	8
Northwestern District.....	9
Nelson Lagoon Section.....	9
Bear River and Three Hills Sections.....	9
Ilnik Section.....	10
Outer Port Heiden Section.....	11
Inner Port Heiden and Cinder River Sections.....	12
EMERGENCY ORDERS.....	12
REFERENCES CITED.....	12
TABLES AND FIGURES.....	13
APPENDIX A. NORTH ALASKA PENINSULA SALMON ESCAPEMENT, 2011.....	109
APPENDIX B. NORTH ALASKA PENINSULA TEST FISHERY, 2011.....	133

LIST OF TABLES

Table	Page
1. North Peninsula salmon runs by species, 1962–2011.	14
2. North Peninsula salmon harvest by species, week, and section, all gear combined, 2011.	19
3. Northern District Chinook salmon runs in number of fish by section, 1962–2011.	24
4. Northern District sockeye salmon runs in number of fish, by section, 1962–2011.	30
5. Port Moller Bight, Bear River, Three Hills, and Ilnik sections combined salmon harvest by species and day, 2011.	37
6. North Peninsula coho salmon harvest in number of fish by district and section, 2001–2011.	39
7. Northwestern District pink salmon runs in number of fish, 1962–2011.	40
8. Northern District chum salmon runs in number of fish, 1962–2011.	45
9. Northwestern District chum salmon runs in number of fish, 1962–2011.	52
10. Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Nelson River weir, 2011.	57
11. Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Bear River weir, 2011.	58
12. Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Sandy River weir, 2011.	60
13. Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Ilnik River weir, 2011.	61
14. Historical North Alaska Peninsula sockeye salmon escapements and escapement goals, 1986–2011.	62
15. Sockeye salmon daily and cumulative escapement counts through the Nelson River weir, 2011.	63
16. Bear River sockeye salmon early and late run escapement, late run commercial catch, and total Bear River late run by year, 1986–2011.	65
17. Sockeye salmon daily and cumulative escapement counts through the Bear River weir, 2011.	66
18. Sockeye salmon daily and cumulative escapement counts through the Sandy River weir, 2011.	69
19. Sockeye salmon daily and cumulative escapement counts through the Ilnik River weir, 2011.	71
20. North Peninsula salmon harvest by species and day, 2011.	73
21. North Peninsula salmon harvest by district, statistical area, and section, 2011.	75
22. Northwestern District sockeye salmon runs (number of fish), 1962–2011.	76
23. Emergency order summary for the North Alaska Peninsula commercial salmon fishery, 2011.	81
24. Nelson Lagoon Section salmon harvest by species and day, 2011.	87
25. North Alaska Peninsula salmon test fish catches, 2001–2011.	89
26. Bear River Section salmon harvest by species and day, 2011.	90
27. Three Hills Section salmon harvest by species and day, 2011.	92
28. Ilnik Section salmon harvest by species and day, 2011.	93
29. Outer Port Heiden Section salmon harvest by species and day, 2011.	94
30. Alaska Peninsula (Area M) and Bristol Bay (Area T) overlap area commercial salmon catch, in number of fish by gear and permit, 1975–2011.	95

LIST OF FIGURES

1.	Map of Alaska Peninsula with North Peninsula commercial salmon fishing districts.	98
2.	North Alaska Peninsula from Nelson Lagoon to Cape Menshikof, with selected commercial salmon fishing sections, season opening dates, and major sockeye salmon systems.....	99
3.	Alaska Peninsula (Area M) and Bristol Bay (Area T) commercial salmon fishing overlap areas.	100
4.	North Peninsula commercial sockeye salmon harvest, 1962–2011.....	101
5.	Port Moller Bight, Bear River, Three Hills, Ilnik and Outer Port Heiden sections commercial sockeye salmon harvest, 1985–2011.....	102
6.	North Alaska Peninsula sockeye salmon escapement, 1962–2011.	103
7.	Port Moller to Cape Seniavin, Cape Seniavin to Strogonof Point, and Outer Port Heiden sockeye salmon catch by week, 2011.....	104
8.	Nelson Lagoon commercial sockeye salmon harvest, 1987–2011.	105
9.	Nelson Lagoon commercial sockeye salmon harvest by week, 2011.....	106
10.	Number of permits fished in the Ilnik, Three Hills, Bear River, and Outer Port Heiden sections, 1990–2011.....	107

LIST OF APPENDICES

Appendix	Page	
A1.	North Alaska Peninsula estimated total escapement for Chinook, sockeye, pink, and chum salmon, and peak escapement counts for coho salmon, 2011.....	110
A2.	North Alaska Peninsula aerial salmon surveys, 2011.....	114
B1.	North Bear River test fishery results for August 2, 2011.	134
B2.	South Bear River test fishery results for August 2, 2011.	135
B3.	North Bear River test fishery results for August 9, 2011.	136
B4.	South Bear River test fishery results for August 9, 2011.	137
B5.	North Bear River test fishery results for August 14, 2011.	138
B6.	South Bear River test fishery results for August 14, 2011.	139

ABSTRACT

This report is a summary of the 2011 season and historical data concerning management of the commercial salmon fisheries of the Northwestern and Northern districts of the North Alaska Peninsula in the Alaska Peninsula Management Area (Area M). Most commercial salmon fishing effort on the North Alaska Peninsula targeted sockeye salmon *Oncorhynchus nerka*. The 2011 commercial salmon harvest on the North Alaska Peninsula was 2,368 Chinook *O. tshawytscha*, 923,194 sockeye, 19,440 coho *O. kisutch*, 108,830 pink *O. gorbuscha*, and 293,782 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 from the Bear River Section to the Outer Port Heiden Section. The sockeye salmon harvest in the Northern District of 903,081 fish was below the previous ten-year average harvest of 2,130,939. Of the Northern District harvest, 88% or 810,254 fish were harvested in the sections between Port Moller Bight and Outer Port Heiden. The North Alaska Peninsula chum salmon harvest of 293,782 was above the ten-year average of 117,696, with about 78% (229,398 fish) of the harvest occurring in the Northwestern District. The majority of chum salmon harvested in the Northern District were caught incidentally during sockeye salmon fisheries. Nearly all Northwestern District chum salmon harvest came from directed fisheries.

Total sockeye salmon escapement for North Alaska Peninsula streams was 795,105 fish, below the most recent ten-year average of 1,104,192. Approximately 65% 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 except Nelson River.

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 2011 season and historical data concerning the commercial salmon fisheries and escapements of 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 2011 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 the Nelson Lagoon, Bear River, Three Hills, Ilnik, and Outer Port Heiden sections (Figure 2). In addition to these sections, smaller directed commercial salmon fisheries occur in other areas of the North Alaska Peninsula.

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 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 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 Strogonof 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

While the earliest opening dates are established by regulation and modified by emergency orders, actual fishing time in North Alaska Peninsula fisheries is based on inseason evaluation of local stock abundance and escapement objectives. Sockeye salmon are the primary species targeted for harvest, and Nelson and Bear rivers are the largest sockeye salmon producing systems. Between June 1 and September 15, within the Nelson Lagoon to Port Heiden region, management emphasis is on five sockeye salmon systems: Nelson, Bear, Sandy, Ilnik, and Meshik rivers (Murphy and Hartill 2011). The Alaska Department of Fish and Game (ADF&G) operates weir camps on the Nelson, Bear, Sandy, and Ilnik rivers that provide daily escapement counts used to manage commercial fisheries. Aerial surveys from a fixed wing aircraft are used to enumerate salmon in other systems that do not have weirs.

Escapement Goals

Weir counts and aerial surveys are used to estimate escapement.¹ For rivers and river systems with established escapement goals, there are two types of goals used to characterize the run. As described in Honnold et al. (2007), a biological escapement goal (BEG) is used when the following conditions are met; 1) a sufficient time series of escapement and total return estimates are available, 2) contrast in the escapement data is sufficiently large, and 3) the estimates were sufficiently accurate and precise. Using these criteria, systems assigned a BEG are managed for escapements providing the greatest potential for maximum sustained yield. A sustainable escapement goal (SEG), on the other hand, is used when total return estimates are not available because harvest and/or age were not consistently measured. Methods used to develop SEG's include the percentile approach and risk analyses models (Witteveen et al. 2009). As defined by the Sustainable Salmon Fisheries Policy (SSFP; 5 AAC 39.222), a SEG is a level of escapement indicated by an index or escapement estimate that is known to provide for sustained yield over a

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.

5 to 10 year period and is used in situations where a BEG cannot be estimated due to the absence of a stock specific catch estimate.

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, but the majority of the sockeye salmon runs occur from early June to late July. 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 distinct sockeye salmon runs: an early run that begins in early June, peaks in early July, and ends in late July; and a late run that starts in late July, peaks in mid-August, and ends in September (Ramstad 1998). The Sandy, Ilnik, Meshik and Cinder rivers run timing closely parallels the Bear River early run (beginning in early June and ending in late July; Murphy and Hartill 2009).

ALASKA PENINSULA AND BRISTOL BAY SALMON OVERLAP AREA

The Alaska Peninsula Area (Area M) and Bristol Bay Area (Area T) overlap area consists of the Cinder River Section, Inner Port Heiden Section, and Ilnik Lagoon (Figure 3; 5 AAC 39.120(d)). The overlap area was created shortly after statehood to allow Area T permit holders the opportunity to fish within their traditional harvest locations of Area M. Historically, when not participating in the Bristol Bay sockeye salmon fisheries, Port Heiden Area T permit holders fished for Chinook *O. tshawytscha* and coho *O. kisutch* salmon in the Inner Port Heiden Section, and Pilot Point Area T permit holders 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 2011 North Alaska Peninsula commercial Chinook salmon harvest of 2,368 fish was below the recent ten-year (2001–2010) average of 5,542 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 2011, the Chinook salmon harvest of 499 fish in the Nelson Lagoon Section was well below the 10-year average of 1,667 fish (Tables 2 and 3). In the Bear River Section, 473 Chinook salmon were harvested during the sockeye salmon fisheries and was below the 10-year average of 1,987 (Table 3). The Three Hills and Ilnik sections combined harvest of 570 Chinook salmon was also well below the 10-year average of 1,346 fish. The Outer Port Heiden Section, which reopened in 2007 for the first time since 1989, had a harvest of 756 Chinook salmon. There was no commercial fishing effort in the Inner Port Heiden Section in 2011. Depending on market conditions, there have been occasional directed harvests for Chinook salmon (Table 3.)

SOCKEYE SALMON

The 2011 North Alaska Peninsula sockeye salmon harvest of 923,194 fish was well below the 2001–2010 average harvest of 2,203,432 fish (Table 1) as well as the 1991–2010 average harvest of 2,341,299 fish (Figure 4). The 2011 harvest was the lowest since 1978 (896,616 sockeye salmon) and was about 58% below the preseason projected harvest of 2,200,000 sockeye salmon (Table 1; Eggers and Carroll 2011). 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.

The Nelson Lagoon sockeye salmon harvest in 2011 was 74,808 fish which was below the 2001–2010 average harvest of 282,003 fish (Table 4). The Nelson Lagoon harvest made up approximately 8% of the total North Alaska Peninsula sockeye salmon harvest. The largest weekly harvest occurred between June 28 and July 4 with a catch of 16,217 fish (Table 2).

In 2011, the combined Port Moller Bight, Bear River, Three Hills, Ilnik, and Outer Port Heiden sections accounted for approximately 88% of the North Alaska Peninsula total sockeye salmon harvest. Of that harvest, the Port Moller Bight Section had less than 1%, the Three Hills Section had about 1%, and the Bear River Section had approximately 13%. The Ilnik Section had 33% of the North Alaska Peninsula sockeye salmon harvest and the Outer Port Heiden Section accounted for about 41%. (Figure 5). The proportion of harvest in the Bear River Section in 2011 was below the most recent ten-year average (28%). The Three Hills Section proportion of harvest was also below the most recent ten year average of 7%. However since 2000, 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. The 2011 sockeye salmon harvest from the Outer Port Heiden Section cannot be compared to the recent ten year average because commercial salmon fishing has only been permitted in this section since 2007.

In the combined Three Hills and Ilnik sections, 314,253 sockeye salmon were harvested during 2011, of which 11,189 fish were harvested in the Three Hills Section and 303,064 fish in the Ilnik Section (Table 4; Figure 5). The Three Hills Section harvest was below the most recent ten-year average of 157,005 fish. The total Ilnik Section harvest was also below the most recent 10-year average of 837,029 fish.

In the Port Moller Bight, Bear River, Three Hills, and Ilnik sections, the total catch was 435,126 sockeye salmon (Table 2). The largest weekly harvest of 186,194 sockeye salmon occurred during the period of June 28 to July 4 (Table 2). The largest daily harvest of 50,838 sockeye salmon occurred June 26 (Table 5).

COHO SALMON

The 2011 North Alaska Peninsula coho salmon harvest of 19,440 fish was well below the 2001–2010 average harvest of 62,460 fish (Tables 1 and 6). In 2011, about 84% (16,383 fish) of the coho salmon harvest came from the Nelson Lagoon, Bear River, Three Hills and Ilnik sections. Of those sections, about 80% (13,119 fish) of the harvest occurred in the Nelson Lagoon Section, about 13% (2,195 fish) in the Bear River Section, about 3% (637 fish) from the Three Hills Section, and about 3% (432 fish) in the Ilnik Section. The remaining 16% (3,057 fish) came from the remainder of the North Peninsula (Table 6). The proportion of harvest in each section is consistent with previous years. The Nelson Lagoon section typically has the highest coho salmon harvest, followed by either the Bear River or Ilnik sections.

PINK SALMON

The 2011 North Alaska Peninsula pink salmon *O. gorbuscha* harvest of 108,830 fish was above the 2001–2010 odd-year average harvest of 89,578 fish (Table 1). Almost all of the pink salmon harvest came from the Northwestern District in 2011, where the harvest was 108,495 salmon, above the 2001–2010 odd-year average harvest of 83,736 fish (Table 7).

In the Northern District, pink salmon are usually caught incidental to sockeye salmon and only 335 pink salmon were reported harvested in 2011.

CHUM SALMON

The 2011 North Alaska Peninsula chum salmon *O. keta* harvest of 293,782 fish was well above the 2001–2010 average harvest of 117,696 fish and was the highest overall chum salmon harvest since 1992 (341,616 fish; Table 1). In the Northern District, the harvest of 64,384 fish was above the 2001–2010 average of 55,245 fish (Table 8). The remaining 229,398 chum salmon were harvested in the Northwestern District, which was also above the previous ten-year average of 62,451 fish (Table 9). The majority of the harvest in the Northern District was caught incidental to sockeye salmon, but there was also a directed fishery in a portion of the Herendeen-Moller Bay section from July 11 until July 20 and July 23 until July 26; this directed fishery had a season harvest of 14,593 chum salmon (Table 2).

ESCAPEMENT BY SPECIES

CHINOOK SALMON

The 2011 North Alaska Peninsula estimated total Chinook salmon escapement was 15,254 fish, which was below the 2001–2010 average of 21,589 fish (Table 1). The 2011 Nelson River Chinook salmon escapement of 1,704 fish was below the BEG range of 2,400–4,400 fish (Honnold et al. 2007; Appendix A1). Of the total estimated escapement, 1,404 fish were counted at the Nelson River weir and 300 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 750 fish, which was less than the 2001–2010 average of 2,857 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 three Chinook salmon passed the Ilnik River weir in 2011 (Table 13). The Chinook salmon escapement of 8,300 fish into the

Inner Port Heiden Section (the Meshik River and its tributaries) was over the recent 10 year average of 5,966 fish. In the Cinder River Section, 3,200 Chinook salmon were estimated, which was below the 2001–2010 average of 4,545 fish. (Table 3; Appendix A1).

SOCKEYE SALMON

The 2011 North Alaska Peninsula estimated total sockeye salmon escapement of 795,105 fish, which included weir and aerial survey counts, was below the 2001–2010 average estimated escapement of 1,104,192 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 (early run 176,000–293,000 fish, late run 117,000–195,00 fish, or combined 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). Nelson River is the only system on the North Alaska Peninsula with a BEG (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 and Nelson River with an estimated escapement of 89,000 sockeye salmon (Appendix A1).

Nelson River

From the total Nelson River run of 187,808 sockeye salmon, 74,808 fish were harvested in Nelson Lagoon and 113,000 sockeye salmon escaped (Table 4). Of the escapement, 89,000 fish returned to Nelson River, 6,000 to Caribou River and 18,000 to David’s River (Appendix A1). The Nelson River weir sockeye salmon escapement of 89,000 fish did not meet the goal of 97,000–219,000 sockeye salmon, and was well below the most recent 10-year average of 244,586 fish (Tables 14 and 15; Witteveen et al. 2009). The peak daily escapement (5,209 fish) at the Nelson River weir occurred on July 4 (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 26, it was estimated that about 43,268 female sockeye salmon had passed the weir, below the desired management escapement objective of 50,000–110,000 female fish (Murphy and Hartill 2011).

Bear River

The Bear River early- and late-run sockeye salmon runs have separate escapement goals because each are recognized as distinct components of the run (Ramstad 1998). In 2011, 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 207,451 fish, while the late run (after July 31) met its escapement goal of 117,000–195,000 fish with an escapement of 132,549 (Tables 16 and 17). The largest daily escapement at the weir in 2011 occurred on June 22, when 9,888 sockeye salmon were counted (Table 17). This is one of the lowest daily peak escapement counts in recent years.

Sandy River

The total 2011 Sandy River sockeye salmon escapement of 37,500 fish was within the escapement goal range of 34,000–74,000 fish, but below the recent 2001–2010 average escapement of 49,690 fish (Tables 14 and 18; Honnold et al. 2007). The estimated escapement of 37,500 fish is comprised of weir counts, post-weir estimates and post-weir aerial surveys. An aerial survey documented 7,500 sockeye salmon spawning in the river below the weir site, which was added to the total estimated escapement (Appendix A2). The largest daily escapement at the Sandy River weir occurred on July 4 when 1,769 sockeye salmon were counted (Table 18). For much of the season, escapement into Sandy River did not meet interim escapement objectives.

Ilnik River

From 2005 to 2010, the Ocean River (normally a tributary of the Ilnik River) flowed directly into the Bering Sea. When this occurred, the Ilnik River sockeye salmon escapement goal of 40,000–60,000 fish was reduced by 20% to 32,000 to 48,000 fish. Ocean River is a major spawning tributary in the Ilnik system and accounts for about 20% of the spawning run. The 8,000–12,000 fish reduction in the escapement goal is the historical proportion of the Ocean River component of the Ilnik system that do not pass through the Ilnik River weir when Ocean River flows directly into the Bering Sea. In 2011, however, the Ocean River once again flowed into the Ilnik River. The total sockeye salmon escapement of 43,000 fish met the escapement goal of 40,000–60,000 fish and was below the most recent 10 year average escapement of 75,630 sockeye salmon for the Ilnik River system (Table 14). The largest daily escapement at Ilnik River weir occurred on June 26 with a count of 5,264 sockeye salmon (Table 19).

Port Heiden

In 2011, the sockeye salmon escapement into Inner Port Heiden (including the Meshik River, Red Bluff Creek and Charles Creek) was 94,200 fish, similar to the most recent 10-year average of 93,916 (Table 4). The Meshik River system had an estimated escapement of 93,900 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 7,100 fish (Appendix A1). 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 Meshik River SEG escapement goal, including Red Bluff Creek, was changed to 25,000–100,000 sockeye salmon beginning in 2010 (Witteveen et al. 2009).

COHO SALMON

Nelson and Ilnik rivers are the only rivers on the North Alaska Peninsula that have coho salmon lower bound SEGs (Witteveen et al. 2009). At Nelson River the peak escapement estimate of 21,000 fish exceeded the goal of 18,000 fish (Appendix A1). The peak escapement estimate of 18,000 coho salmon at Ilnik River also exceeded the goal of 9,000 fish. Some of the larger estimated escapements occurred in the Meshik River (21,000 fish), and Cinder River (14,000 fish; Appendix A1). Typically, Joshua Green River has a large coho salmon escapement, however only one coho salmon survey was flown during the early part of the coho salmon run on September 2, documenting 400 fish. In all, approximately 108,150 coho salmon were documented in 26 North Alaska Peninsula streams during 2011. 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 2011. Many streams were not surveyed, and most completed surveys occurred prior to the peak of the coho salmon run.

PINK SALMON

Odd-numbered year pink salmon escapements are typically smaller than even-numbered year escapements. The 2011 North Alaska Peninsula estimated total pink salmon escapement of 16,778 was well below the 2001–2010 odd year average of 46,776 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 2,400 pink salmon into Bechevin Bay was well above the odd-numbered year lower bound SEG of 1,600 fish (Appendix A1; Honnold et al. 2007). Total pink salmon escapement for the Northwestern District was 2,400 fish, far below the most recent odd-numbered year average escapement of 19,984 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 2011, the Northern District chum salmon escapement of 96,952 fish did not meet the goal of 119,600 to 239,200 fish (Table 8; Appendix A1; Honnold et al. 2007) Historically, the Herendeen-Moller Bay Section has the largest chum salmon runs in the Northern District. In 2011, Herendeen and Moller bays accounted for about 60% of the total Northern District chum salmon escapement (58,200 fish; Table 8). The Northwestern District chum salmon escapement of 151,400 fish met the goal of 100,000 to 215,000 fish, but was below the previous ten year average of 248,249 fish (Table 9; Honnold et al. 2007). The total North Alaska Peninsula estimated chum salmon escapement of 248,352 was well below the previous ten year average of 470,197 fish (Table 1).

COMMERCIAL SALMON FISHERY SUMMARY, 2011

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 salmon harvest of 903,081 was well below the 2001–2010 average of 2,130,939 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 to commercial salmon fishing since 2007, that harvest

information is only a four year (2007–2010) 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 207,783 fish was below the most recent 10-year average of 518,886 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 2011 Northwestern District commercial salmon fishery, a total of 12 Chinook, 20,113 sockeye, 2,447 coho, 108,495 pink, and 229,398 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 2011 sockeye salmon harvest in the Northwestern District of 20,113 fish was below the 2001–2010 average harvest of 72,494 sockeye salmon (Table 22). A total of 23 permit holders harvested approximately 89% of the sockeye salmon catch (17,918 fish) in the Izembek-Moffet Bay Section, where the vast majority of sockeye salmon were harvested in the Moffet Bay area (12,807 fish; Tables 2 and 21). The sockeye salmon harvest in the Bechevin Bay, Swanson Lagoon, Dublin, and Uria Bay sections totaled 2,195 fish, which was far below the 2001–2010 average of 48,356 sockeye salmon (Table 22).

The Northwestern District chum salmon catch of 229,398 fish in 2011 was well above the recent 10-year average of 62,451 fish (Table 9). The majority of the chum salmon harvest occurred in the Moffet Bay (115,668 fish) followed by the Bechevin Bay Section (77,388 fish; Table 21). The pink salmon harvest of 108,495 salmon was above the previous odd-year ten-year average of 83,736 fish, with the majority of the harvest occurring in the Bechevin Bay Section (103,624 fish; Table 7 and 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 187,808 sockeye salmon. The harvest of 74,808 sockeye salmon (Tables 4 and 21) was below the 2001–2010 average harvest of 282,003 fish, and the lowest since 1977 (Table 4; Figure 8). For most of the 2011 commercial salmon fishing season, the Nelson Lagoon Section was open during regularly scheduled fishing periods (Table 23 and 24). The first day of salmon harvest in the Nelson Lagoon Section occurred on June 6 and the last day with a delivery was September 2. The peak daily catch was on June 30, when 20 permit holders harvested 4,985 sockeye salmon (Table 24). The largest weekly harvest in Nelson Lagoon occurred between June 28 and July 4, when 16,217 sockeye salmon were harvested (Table 2; Figure 9).

After August 15, the Nelson Lagoon Section is managed based on coho salmon run strength. The 2011 Nelson Lagoon coho salmon harvest of 13,119 fish was well below the recent ten year average of 36,730 fish and represented about 77% of the total Northern District coho salmon harvest (Tables 6 and 21). In recent years, increased processor interest and higher prices for coho salmon have resulted in increased harvest effort.

BEAR RIVER AND THREE HILLS SECTIONS

By regulation, the Bear River Section opens to commercial salmon fishing on May 1, while the Three Hills Section opens June 25 (5 AAC 09.310 (a)(4)(5)). Fishing times in the Bear River and

Three Hills sections are based on the evaluation of the Bear, Sandy, and Ilnik river sockeye salmon stocks through June and July (Murphy and Hartill 2011).

In 2011, management of the Bear River and Three Hills sections were greatly influenced by a weak Sandy River salmon run. A portion of the Bear River Section and all of the Three Hills section were closed in late June and throughout July to allow escapement into Sandy River, which failed to meet interim escapement objectives.

Management of the Bear River late sockeye salmon run begins on August 1. In 2011, the Port Moller Bight, Bear River, Three Hills, and Ilnik sections were closed from July 21 until August 20. To assess the strength of the Bear River late run, test fisheries were conducted on August 2, 9, and 14. Based on the results of the test fisheries there did not appear to be a substantial buildup of fish near the mouth of Bear River (Table 25; Appendix B). Due to uncertainty of the sockeye salmon build-up and low escapement levels in Bear River, commercial salmon fishing remained closed. Increased weir counts in the subsequent days allowed the commercial salmon fishery to re-open in the Port Moller Bight, Bear River, Three Hills, and Ilnik sections on August 20. At that time, weir counts had barely met interim escapement objectives and were not strong enough to allow all of the Bear River Section to open. As a result, a portion of the Bear River Section opened concurrently with the Port Moller Bight, Ilnik and Three Hills sections. To protect fish in the vicinity of the mouth of Bear River, commercial fishing was not allowed from the 1,000 yard southern regulatory marker at the King Salmon River to the Sandy River Bluffs. Weir counts remained steady over the next few days and on August 23, the waters closed to commercial fishing were reduced to 1,000 yards from the Bear River stream terminus at the ocean shoreline.

Harvest in the Bear River Section, which includes the area from Port Moller to Cape Seniavin, occurred from June 6 to September 11, during which time 69 permit holders harvested a total of 120,652 sockeye salmon which was below the 2001–2010 average harvest of 608,034 fish (Tables 4 and 26). The Port Moller Bight and Bear River sections combined largest weekly harvest of 24,235 sockeye salmon occurred between August 23 and August 29 (Table 2). The largest daily harvest of 11,295 sockeye salmon occurred on June 30 (Table 25). The Bear River sockeye late-run harvest was 75,234 fish, which was below the previous ten-year average of 365,037 fish (Table 16), however, commercial salmon fishing was closed during much of the late run.

Since 2000, harvest effort in the Three Hills Section has steadily declined (Figure 10). 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 2011 (11,189 sockeye salmon, 2001–2010 average was 157,005 fish) is likely due to lengthy closures. For example, harvest occurred on only 15 days in 2011 and 17 days in 2010, compared to an average of 47 days from 2005–2009. Harvest in the Three Hills Section occurred from August 20 through September 3. Throughout this time a total of 14 permit holders fished in the section with an average of three permit holders per day (Table 27).

ILNIK SECTION

The Ilnik Section may open to commercial salmon fishing on June 20 each year, 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 25. At that time the cumulative Ilnik River sockeye salmon escapement was about 22,500 fish, surpassing the June 30 interim escapement objective of 12,000–20,000 fish (Table 19). The Ilnik Section areas northeast and southwest of Unangashak Bluffs, were open concurrently throughout the season, from June 25 ending September 3. A total of 125 permit holders harvested 303,064 sockeye salmon in the Ilnik Section from June 25 until August 31, when the last delivery occurred (Table 28). During this period of time, two 3-day closures occurred as well as one long closure from July 21 until August 20 to protect the Bear River late sockeye salmon run. About 32% of the harvest (98,254 sockeye salmon) occurred southwest of Unangashak Bluffs, and about 68% (204,810 sockeye salmon) was harvested between Unangashak Bluffs and Strogonof Point (Table 21; Figures 2 and 3). The 2011 peak daily catch was on June 26 when 46,400 sockeye salmon were harvested (Table 28).

Between July 20 and August 15 each year, the Ilnik Section is managed based on the abundance of Bear River sockeye salmon stocks (Murphy and Hartill 2011). After August 15, by regulation, the Ilnik Section is managed on the basis of coho salmon returning to Ilnik Lagoon. Although regulation states management is based on coho salmon, coho salmon were not targeted in the Ilnik Section in 2011, but rather were harvested incidentally to sockeye salmon. Harvest of coho salmon began to pick up in late August when commercial fishing reopened and peaked on August 26, when 141 coho salmon were harvested (Table 28). The total coho salmon commercial harvest in the Ilnik Section in 2011 was 432 fish, which was below the most recent 10-year average of 7,832 fish (Table 6 and 28). Harvest and effort began to taper off after August 26, when 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 2011 even though extensive fishing time was permitted (Table 21).

OUTER PORT HEIDEN SECTION

This was the fifth 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 2011). The earliest the Outer Port Heiden Section can open is June 20. High water and turbid conditions during an aerial survey on June 18 made it difficult to assess the sockeye salmon run strength in the Meshik River, therefore commercial salmon fishing did not open until June 23 when the run had more time to increase. 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 20 (Table 23). In 2011, 107 permit holders harvested 375,128 sockeye salmon from the Outer Port Heiden Section (Table 2 and 29). The peak daily catch was on July 2 when 74 permit holders harvested 45,659 sockeye salmon (Table 29). The largest weekly harvest of 126,991 sockeye salmon occurred during the period June 28 to July 4 (Table 2; Figure 7).

In 2011, the number of permit holders fishing in the Outer Port Heiden Section remained similar to previous years however the sockeye salmon harvest was the second lowest in five years.

Despite the increase in effort, 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

There was no commercial fishing effort in the Inner Port Heiden and Cinder River sections in 2011 (Table 30).

EMERGENCY ORDERS

In 2011, there were a total of 42 emergency orders issued concerning North Alaska Peninsula salmon fisheries (Table 23). The first emergency order for the North Alaska Peninsula was issued on June 19 and the last on September 16. Emergency orders for North Alaska Peninsula fisheries were issued from the regional Fish and Game offices in Port Moller and Cold Bay in 2011.

REFERENCES CITED

- Eggers, D. M., and A. M. Carroll. 2011. Run forecasts and harvest projections for 2011 Alaska salmon fisheries and review of the 2010 season. Alaska Department of Fish & Game, Special Publication No. 11-03, Anchorage.
- Honnold, S. G., M. J. Witteveen, I. Vining, H. Finkle, M. B. Foster, and J. J. Hasbrouck. 2007. Review of salmon escapement goals in the Alaska Peninsula Aleutian Islands Management Areas, 2006. Alaska Department of Fish and Game, Fishery Manuscript No. 07-02, Anchorage.
- Murphy, R. L., and T. Hartill. 2009. The North Alaska Peninsula salmon report to the Alaska Board of Fisheries, 2010. Alaska Department of Fish and Game, Fishery Management Report No. 09-53, Anchorage.
- Murphy, R. L. and T. G. Hartill. 2011. North Alaska Peninsula salmon management plan, 2011. Alaska Department of Fish and Game, Fishery Management Report No. 11-22, Anchorage.
- Ramstad, K. 1998. Morphological, life history, and genetic comparison of early and late run sockeye salmon (*Oncorhynchus nerka*) of Bear Lake, Alaska. Master's Thesis, University of Washington, Seattle.
- Witteveen, M, J., H. Finkle, M. Loewen, M. B. Foster, and J. W. Erickson. 2009. Review of salmon escapement goals in the Alaska Peninsula and Aleutian Islands Management Areas; A Report to the Alaska Board of Fisheries, 2010. Alaska Department of Fish and Game, Fishery Manuscript No. 09-09, Anchorage.

TABLES AND FIGURES

Table 1.—North Peninsula salmon runs by species, 1962–2011.

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	

-continued-

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	

-continued-

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	

-continued-

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	
2011	Catch	2,368	923,194	19,440	108,830	293,782	1,347,614
	Escapement ^a	15,254	795,105	108,150	16,778	248,352	
	Total	17,622	1,718,299	127,590	125,608	542,134	
2011	Projected Catch	4,000	2,200,000	60,000	2,000	75,000	2,341,000
2001-2010 Average							
	Catch	5,542	2,203,432	62,460	89,578 ^f	117,696	2,409,237
	Escapement ^a	21,589	1,104,192	246,852	46,776 ^f	470,197	
	Total	27,131	3,307,624	286,361	136,353 ^f	587,893	

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 odd-numbered years 2001, 2003, 2005, 2007, and 2009.

Table 2.—North Peninsula salmon harvest by species, week, and section, all gear combined, 2011.

Catch Dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Dublin Bay Section												
26 Jul-1 Aug ^a												
02 Aug-08 Aug ^a												
Total ^a												
Swanson Lagoon Section												
12 Jul-18 Jul ^a												
19 Jul-25 Jul	3	3	1	20	83	535	0	0	10	26	205	1,240
02 Aug-08 Aug ^a												
09 Aug-15 Aug ^a												
Total	7	7	2	26	324	1,638	9	54	88	261	9,169	64,009
Bechevin Bay Section												
12 Jul-18 Jul	4	4	0	0	14	63	0	0	612	1,484	3,477	22,334
26 Jul-1 Aug ^a												
02 Aug-08 Aug	3	5	0	0	20	120	18	104	28,132	82,138	1,037	7,469
09 Aug-15 Aug	8	23	0	0	148	845	76	456	57,193	168,572	11,217	78,575
16 Aug-22 Aug	14	42	1	17	393	2,146	183	1,110	16,480	47,739	13,153	87,239
23 Aug-29 Aug	10	25	0	0	134	739	107	636	777	1,794	11,209	68,262
30 Aug-05 Sep	14	55	1	20	158	888	344	2,142	110	350	26,805	179,466
06 Sep-12 Sep	8	20	0	0	10	57	175	1,122	0	0	7,165	47,948
Total	23	175	2	37	888	4,920	905	5,578	103,624	302,973	77,388	513,943
Izembek-Moffet Bay Section												
21 Jun-27 Jun ^a												
28 Jun-04 Jul	4	4	0	0	5,491	27,938	0	0	0	0	8,649	59,000
05 Jul-11 Jul	4	4	0	0	1,287	7,089	0	0	0	0	1,651	9,932
12 Jul-18 Jul	6	10	0	0	1,476	9,035	0	0	0	0	19,403	136,302
19 Jul-25 Jul	7	11	0	0	855	4,479	0	0	131	314	11,387	80,313
26 Jul-01 Aug	8	22	1	14	2,641	14,730	6	30	2,940	15,986	11,108	74,663
02 Aug-08 Aug	3	3	0	0	140	854	3	22	210	630	5,177	41,316

-continued-

Table 2.–Page 2 of 5.

Catch Dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
09 Aug-15 Aug	17	53	1	12	4,795	28,367	232	1,540	878	2,426	59,744	452,345
16 Aug-22 Aug	7	17	0	0	363	2,197	159	1,061	285	907	17,367	128,507
23 Aug-29 Aug ^a												
30 Aug-Sep 05 ^a												
06 Sep-12 Sep ^a												
Total	23	133	8	110	17,918	99,493	1,533	11,519	4,466	20,322	142,660	1,043,346
<i>Black Hills Section</i>												
12 Jul-18 Jul	11	15	13	178	2,894	15,713	14	91	3	11	634	4,374
19 Jul- 25 Jul	11	16	1	18	1,995	10,783	0	0	4	15	831	5,795
26 Jul-01 Aug	13	26	1	27	4,117	23,565	19	156	0	0	4,452	31,346
02 Aug-08 Aug	9	10	1	25	1,963	11,144	84	543	0	0	958	6,773
09 Aug-15 Aug	22	44	3	68	6,483	34,747	307	2,189	31	85	7,415	51,480
16 Aug-22 Aug	11	12	0	0	346	1,931	139	942	12	36	3,612	24,662
23 Aug-29 Aug ^a												
Total	31	125	19	316	17,826	98,029	596	4,140	51	588	20,138	138,018
<i>Nelson Lagoon Section</i>												
31 May-6 Jun	5	5	12	146	638	3,430	0	0	0	0	0	0
07 Jun-13 Jun	16	20	40	585	2,085	11,370	0	0	0	0	0	0
14 Jun-20 Jun	20	54	119	2,044	9,966	53,198	0	0	0	0	0	0
21-Jun-27 Jun	24	75	227	4,211	14,732	80,104	0	0	0	0	0	0
28 Jun-04 Jul	26	84	62	1,253	16,217	86,531	0	0	0	0	2	14
05 Jul-11 Jul	24	66	32	654	6,198	33,743	0	0	2	7	21	187
12 Jul-18 Jul	25	53	5	100	4,551	24,921	0	0	8	24	46	381
19 Jul-25 Jul	14	14	0	0	1,039	5,474	5	40	0	0	117	830
26 Jul-01 Aug	19	65	0	0	7,330	39,249	34	240	1	3	1,063	7,179
02 Aug-08 Aug	20	52	0	0	2,870	15,714	500	3,078	0	0	299	2,093
09 Aug-15 Aug	20	69	0	0	5,316	28,567	1,655	10,050	0	0	350	2,475
16 Aug-22 Aug	17	45	0	0	1,848	10,225	1,562	9,569	0	0	77	539
23 Aug-29 Aug	18	82	2	42	1,935	10,720	7,004	52,087	0	0	35	269
30 Aug-05 Sep	15	53	0	0	83	461	2,359	18,154	0	0	1	7
Total	30	737	499	9,035	74,808	403,707	13,119	93,218	11	34	2,011	13,974

-continued-

Table 2.–Page 3 of 5.

Catch Dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
<i>Herendeen-Moller Bay Section</i>												
05 Jul-11 Jul	3	3	0	0	4	28	0	0	0	0	828	5,294
12 Jul-18 Jul	6	28	2	18	95	569	0	0	0	0	9,326	59,534
19 Jul-25 Jul	5	13	0	0	81	482	2	12	0	0	4,057	26,993
26 Jul-01 Aug	3	3	0	0	13	79	1	7	0	0	382	2,682
Total	7	47	2	18	193	1,158	3	19	0	0	14,593	94,503
<i>Port Moller to Cape Seniavin</i>												
<i>(Includes Port Moller Bight and Bear River Sections)</i>												
31 May-06 Jun ^a												
07 Jun-13 Jun	9	16	116	1,743	3,149	16,833	0	0	0	0	2	11
14 Jun-20 Jun	11	20	164	2,765	9,635	49,904	0	0	0	0	2	16
21-Jun-27 Jun	20	45	140	2,965	10,647	61,222	0	0	0	0	173	1,092
28 Jun-04 Jul	18	63	42	886	22,268	126,687	0	0	0	0	1,839	12,202
05 Jul-11 Jul	14	31	2	35	9,472	52,252	0	0	0	0	791	5,242
12 Jul-18 Jul	20	35	10	180	5,361	29,807	0	0	0	0	2,980	20,212
19 Jul-25 Jul	8	14	0	0	2,785	14,815	0	0	0	0	1,515	10,519
16 Aug-22 Aug	15	34	2	31	9,365	49,551	368	2,357	28	81	174	963
23 Aug-29 Aug	35	132	1	5	24,235	131,665	1,048	7,457	109	342	222	1,340
30 Aug-05 Sep	30	114	0	0	19,851	107,478	724	5,342	27	80	29	199
06 Sep-12 Sep	6	13	0	0	3,521	19,065	55	388	0	0	0	0
Total	69	519	510	9,097	120,873	662,433	2,195	15,544	164	503	7,727	51,796
<i>Cape Seniavin to Stroganof Point</i>												
<i>(Three Hills & Ilnik Sections Combined)</i>												
21-Jun-27 Jun	86	218	238	3,376	108,596	651,208	0	0	5	15	1,243	8,440
28 Jun-04 Jul	98	238	249	3,331	88,178	525,145	1	5	0	0	2,941	19,969
05 Jul-11 Jul	50	133	37	507	39,065	211,354	1	5	0	0	1,716	11,579
12 Jul-18 Jul	106	277	42	717	53,730	298,321	7	40	33	97	4,594	31,231
19 Jul-25 Jul	28	43	3	75	6,422	35,000	2	14	7	21	585	3,819

-continued-

Table 2.-Page 4 of 5.

Catch Dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
16 Aug-22 Aug	7	17	0	0	2,596	13,938	278	1,911	6	18	333	2,312
23 Aug-29 Aug	17	47	1	20	9,856	54,125	512	3,738	15	41	80	528
30 Aug-05 Sep	8	19	0	0	5,810	31,476	268	1,983	2	14	15	103
Total	125	992	570	8,026	314,253	1,820,567	1,069	7,696	68	206	11,507	77,981
<i>Port Moller to Stroganof Point</i>												
<i>(Port Moller Bight, Bear River, Three Hills, and Ilnik Sections Combined)</i>												
07 Jun-13 Jun	4	9	113	1,551	1,275	7,056	0	0	0	0	1	6
14 Jun-20 Jun	12	29	200	3,444	12,093	62,835	0	0	0	0	3	21
21-Jun-27 Jun	44	52	100	1,839	20,663	123,241	0	0	5	15	196	1,287
28 Jun-04 Jul	114	387	520	7,973	186,194	1,108,964	1	5	0	0	4,701	31,365
05 Jul-11 Jul	101	251	81	1,162	64,054	354,663	0	0	0	0	3,260	22,283
12 Jul-18 Jul	114	325	54	976	62,312	345,406	3	16	33	97	6,882	46,621
19 Jul-25 Jul	40	81	8	122	13,301	73,537	7	43	7	21	3,338	22,749
16 Aug-22 Aug	21	21	2	31	3,997	20,582	256	1,764	13	39	416	2,674
23 Aug-29 Aug	37	158	1	5	35,908	194,925	1,483	10,344	135	415	362	2,289
30 Aug-05 Sep	32	176	1	20	31,143	169,119	1,428	10,463	39	122	75	482
06 Sep-12 Sep	12	20	0	0	3,682	19,945	65	458	0	0	0	0
13 Sep-19 Sep ^a												
Total	139	1,510	1,080	17,123	435,126	2,483,000	3,264	23,240	232	709	19,234	129,777
<i>Outer Port Heiden Section</i>												
21-Jun-27 Jun	78	245	424	5,142	90,057	550,342	0	0	3	9	1,536	10,059
28 Jun-04 Jul	79	230	262	3,496	126,991	727,266	0	0	0	0	2,964	20,163
05 Jul-11 Jul	84	305	45	598	106,274	569,189	7	43	21	60	2,414	16,157
12 Jul-18 Jul	69	138	16	272	38,609	223,700	1	7	3	8	1,169	7,756
19 Jul-25 Jul	29	51	9	195	13,197	78,518	3	18	14	37	325	2,084
Total	107	969	756	9,703	375,128	2,149,015	11	68	41	114	8,404	56,219
<i>Cinder River Section^b</i>												
Total	0	0	0	0	0	0	0	0	0	0	0	0

-continued-

Table 2.–Page 5 of 5.

Catch Dates	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
<i>Entire North Peninsula</i>												
31 May-06 Jun	7	7	45	633	1,222	6,584	0	0	0	0	0	0
07 Jun-13 Jun	24	36	156	2,328	5,234	28,203	0	0	0	0	2	11
14 Jun-20 Jun	29	74	283	4,809	19,601	103,102	0	0	0	0	2	16
21-Jun-27 Jun	127	581	1,035	15,778	224,814	1,347,175	0	0	8	24	3,648	27,963
28 Jun-04 Jul	150	619	615	8,966	259,145	1,493,567	1	5	0	0	16,395	111,348
05 Jul-11 Jul	155	542	116	1,794	162,300	873,655	8	48	23	67	7,421	48,391
12 Jul-18 Jul	156	562	88	1,465	106,886	602,749	22	138	659	1,624	50,513	344,314
19 Jul-25 Jul	98	164	14	308	26,457	150,086	12	84	167	413	19,022	131,593
26 Jul-01 Aug	41	118	2	41	14,892	81,289	62	441	3,261	16,885	20,511	139,866
02 Aug-08 Aug	34	72	1	25	5,221	29,208	609	3,771	28,737	85,349	7,536	58,137
09 Aug-15 Aug	51	189	5	86	16,802	92,859	2,275	14,265	58,102	171,083	78,741	584,968
16 Aug-22 Aug	61	167	3	48	14,911	79,988	2,689	16,950	16,811	48,781	34,716	244,222
23 Aug-29 Aug	65	292	4	67	36,254	197,776	8,885	65,433	923	2,236	19,424	122,831
30 Aug-05 Sep	59	242	1	20	25,924	140,427	4,125	31,107	139	444	28,686	193,527
06 Sep-12 Sep	15	34	0	0	3,531	19,122	752	5,594	0	0	7,165	47,948
Total	171	3,699	2,368	36,368	923,194	5,245,790	19,440	137,836	108,830	326,906	293,782	2,055,135

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 2011.

Table 3.–Northern District Chinook salmon runs in number of fish by section, 1962–2011.

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
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

-continued-

Table 3.–Page 2 of 6.

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

-continued-

Table 3.–Page 3 of 6.

Year		Cinder River Section	Outer Port Heiden Section ^a	Inner Port Heiden Section	Three Hills & Inik 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

-continued-

Table 3.–Page 4 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
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

-continued-

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

-continued-

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
2011	Catch	0	756	0	570	473	39	499	19	2,356
	Escapement ^c	3,200	0	8,300	0	750	0	1,704	1,300	15,254
	Total	3,200	756	8,300	570	1,223	39	2,203	1,319	17,610
2001-2010 Average										
	Catch	88	252	132	1,346	1,987	5	1,667	58	5,534
	Escapement ^c	4,545	0	5,966	44	2,857	0	4,739	3,449	21,599
	Total	4,633	252	6,098	1,390	4,843	5	6,406	3,507	27,133

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

^a Outer Port Heiden 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, 1962–2011.

Year		Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden ^b	Ilnik	Three Hills	Bear River ^c	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1962	Catch	900	0	17,800	9,700	^d	142,900	152,600	0	69,600	0	240,900
	Escapement ^f	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	Catch	0	0	0	26,600	^d	120,000	146,600	0	71,500	0	218,100
	Escapement ^f	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	Catch	0	0	6,300	33,300	^d	107,500	140,800	0	88,700	0	235,800
	Escapement ^f	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	Catch	0	0	9,700	58,400	^d	62,400	120,800	100	53,800	0	184,400
	Escapement ^f	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	Catch	0	0	8,000	11,000	^d	152,600	163,600	0	60,000	0	231,600
	Escapement ^f	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	Catch	0	0	3,100	0	^d	156,100	156,100	12,500	40,200	0	211,900
	Escapement ^f	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	Catch	0	0	0	78,600	^d	90,500	169,100	3,400	51,100	0	223,600
	Escapement ^f	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	Catch	0	0	5,200	24,000	^d	205,500	229,500	4,400	72,800	0	311,900
	Escapement ^f	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

-continued-

Table 4.—Page 2 of 7.

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

-continued-

Table 4.—Page 3 of 7.

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

-continued-

Table 4.–Page 4 of 7.

Year		Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden ^b	Ilnik	Three Hills	Bear River ^c	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1986	Catch	3	686	38,042	560,339	588,501	938,177	2,087,017	1,294	178,401	2	2,305,445
	Escapement ^f	25,700	0	26,400	66,800	100	279,400	346,300	300	117,900	2,300	518,900
	Total	25,703	686	64,442	627,139	588,601	1,217,577	2,433,317	1,594	296,301	2,302	2,824,345
1987	Catch	214	0	2,359	506,916	212,435	213,958	933,309	679	128,471	62	1,065,094
	Escapement ^f	15,300	0	28,300	30,700	0	266,700	297,400	700	155,700	8,700	506,100
	Total	15,514	0	30,659	537,616	212,435	480,658	1,230,709	1,379	284,171	8,762	1,571,194
1988	Catch	43	647	9,951	494,616	258,982	494,951	1,248,549	3,850	186,616	0	1,449,656
	Escapement ^f	2,000	0	35,900	26,900	0	347,500	374,400	400	142,500	6,900	562,100
	Total	2,043	647	45,851	521,516	258,982	842,451	1,622,949	4,250	329,116	6,900	2,011,756
1989	Catch	817	2,227	11,365	149,399	599,588	557,100	1,306,087	5,670	324,979	14,266	1,665,411
	Escapement ^f	4,000	0	11,200	16,600	100	487,000	503,700	500	206,800	7,600	733,800
	Total	4,817	2,227	22,565	165,999	599,688	1,044,100	1,809,787	6,170	531,779	21,866	2,399,211
1990	Catch	1,246	0	9,701	753,030	189,870	876,248	1,819,148	4,250	410,417	13,265	2,258,027
	Escapement ^f	14,000	0	26,800	35,700	100	564,300	600,100	400	269,200	5,700	916,200
	Total	15,246	0	36,501	788,730	189,970	1,440,548	2,419,248	4,650	679,617	18,965	3,174,227
1991	Catch	296	0	5,439	610,975	253,880	1,044,660	1,909,515	4,587	273,960	16,382	2,210,179
	Escapement ^f	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	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 ^f	15,200	0	33,100	45,100	0	471,200	516,300	200	179,700	16,600	761,100
	Total	19,672	0	41,123	786,092	959,223	1,869,453	3,614,768	6,111	558,406	17,478	4,257,558
1993	Catch	8,903	0	518	868,790	411,277	2,041,716	3,321,783	10,045	452,842	4,005	3,798,096
	Escapement ^f	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

-continued-

Table 4.–Page 5 of 7.

Year		Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden ^b	Ilnik	Three Hills	Bear River ^c	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
1994	Catch	5,197	0	633	838,945	481,600	1,089,249	2,409,794	2,244	329,212	1,202	2,748,282
	Escapement ^f	83,400	0	44,900	75,300	0	581,200	656,500	400	333,400	5,100	1,123,700
	Total	88,597	0	45,533	914,245	481,600	1,670,449	3,066,294	2,644	662,612	6,302	3,871,982
1995	Catch	1,280	0	768	320,473	931,168	1,536,039	2,787,680	5,936	448,281	3,569	3,247,514
	Escapement ^f	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	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 ^f	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	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 ^f	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	Catch	8,321	0	249	470,560	106,856	251,327	828,743	799	161,441	36,684	1,036,237
	Escapement ^f	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	Catch	19,004	0	877	617,330	200,239	557,805	1,375,374	2,397	237,293	25,324	1,660,269
	Escapement ^f	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	Catch	7,984	0	68	769,548	403,470	473,631	1,646,649	4,090	193,694	13,951	1,866,436
	Escapement ^f	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	Catch	5,482	0	0	205,041	165,878	527,284	898,203	1,975	174,363	16,263	1,096,286
	Escapement ^f	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

-continued-

Table 4.–Page 6 of 7.

Year		Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden ^b	Ilnik	Three Hills	Bear River ^c	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen- Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals
2002	Catch	1,548	0	111	121,054	251,377	596,270	968,701	1,022	325,904	35,744	1,333,030
	Escapement ^f	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	Catch	2,775	0	0	267,495	238,674	491,857	998,026	44	373,252	40,126	1,414,223
	Escapement ^f	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	Catch	0	0	0	1,115,036	63,935	611,147	1,790,118	0	527,637	17,604	2,335,359
	Escapement ^f	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	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 ^f	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	Catch	0	0	1,151	1,317,901	153,343	576,552	2,047,796	0	255,265	8,430	2,312,642
	Escapement ^f	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	Catch	0	387,786	842	1,776,430	234,930	617,402	2,628,762	206	337,556	4,273	3,359,425
	Escapement ^f	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	Catch	0	320,857	1,574	885,634	123,344	417,261	1,426,239	128	183,330	20,332	1,952,460
	Escapement ^f	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

-continued-

Table 4.–Page 7 of 7.

Year	Cinder River Section	Outer Port Heiden ^a	Inner Port Heiden ^b	Ilnik	Three Hills	Bear River ^c	Combined Ilnik, Three Hills, & Bear R. Sections	Port Moller Bight & Herendeen-Moller Bay	Nelson Lagoon	Caribou Flats & Black Hills	Northern District Totals	
2009	Catch	0	762,643	0	651,624	93,388	652,873	1,397,885	0	214,302	14,712	2,389,542
	Escapement ^f	133,600	0	88,200	66,000	1,600	385,500	453,100	3,000	159,500	8,000	845,400
	Total	133,600	762,643	88,200	717,624	94,988	1,038,373	1,850,985	3,000	373,802	22,712	3,234,942
2010	Catch	0	786,025	236	660,074	51,556	558,702	1,270,332	416	93,715	24,449	2,175,173
	Escapement ^f	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
2011	Catch	0	375,128	0	303,064	11,189	120,652	434,905	414	74,808	17,826	903,081
	Escapement ^f	106,000	0	94,200	43,000	1,505	377,500	422,005	800	113,000	10,200	746,205
	Total	106,000	375,128	94,200	346,064	12,694	498,152	856,910	1,214	187,808	28,026	1,649,286
2001-2010 Average												
	Catch	992	225,731	575	837,029	157,005	608,034	1,602,067	380	282,003	19,190	2,130,939
	Escapement ^f	96,165	0	93,916	75,730	1,555	429,420	506,705	1,687	263,621	20,193	982,287
	Total	97,157	225,731	94,491	912,759	158,560	1,037,454	2,108,773	2,067	545,623	39,383	3,113,226

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

^a Outer Port Heiden Section catches occurred from 1986 to 1989 and 2007 to 2011. This section was closed between 1990 and 2006.

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

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

^d Three Hills Section harvest is included in the Ilnik Section harvest.

^e These figures are extrapolated estimates.

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

Table 5.—Port Moller Bight, Bear River, Three Hills, and Ilnik sections combined salmon harvest by species and day, 2011.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 6-June	0	0	0	0	0	0	0
6-Jun ^a							
7-Jun ^a							
8-Jun	4	4	6	427	0	0	0
9-Jun ^a							
10-Jun ^b							
11-Jun ^b							
12-Jun ^b							
13-Jun	8	9	36	2,458	0	0	1
14-Jun	10	13	71	3,737	0	0	0
15-Jun	7	7	93	5,898	0	0	2
16-Jun to 24-Jun ^b							
25-Jun	44	52	100	20,663	0	5	196
26-Jun	74	91	157	50,838	0	0	412
27-Jun	78	119	121	47,742	0	0	808
28-Jun	25	27	69	27,710	0	0	524
30-Jun	49	59	84	28,627	0	3	733
1-Jul	45	45	58	16,401	0	0	1,112
2-Jul	45	46	31	14,876	1	0	1,112
3-Jul	80	95	39	17,700	0	0	1,095
4-Jul	29	29	10	5,132	0	0	204
6-Jul	34	34	7	12,102	0	0	424
7-Jul	45	48	6	14,860	0	0	985
8-Jul	41	45	19	14,260	0	0	552
9-Jul ^a							
10-Jul ^a							
11-Jul	36	37	7	7,315	1	0	546
12-Jul	42	47	15	17,930	0	5	1,241
13-Jul	69	81	11	15,752	0	3	1,827
14-Jul	84	89	9	11,501	0	0	1,993
15-Jul	70	71	12	9,814	2	25	1,275
18-Jul	23	24	5	4,094	5	0	1,238
19-Jul	33	36	3	6,579	0	7	1,359
20-Jul	21	21	0	2,628	2	0	741
21-Jul to 19-Aug ^b							
20-Aug	21	21	2	3,997	256	13	416
21-Aug	13	13	0	3,342	160	12	58
22-Aug	14	17	0	4,622	230	9	33
23-Aug	16	16	0	6,512	204	66	88
24-Aug	26	27	1	4,958	165	21	47
25-Aug	23	24	0	5,032	172	24	36

-continued-

Table 5.–Page 2 of 2.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
26-Aug	31	34	0	7,200	320	3	81
27-Aug	27	27	0	4,242	232	0	19
28-Aug	25	25	0	3,707	241	4	14
29-Aug	26	26	1	2,440	226	6	17
30-Aug	23	26	0	7,471	264	20	17
31-Aug	21	21	0	6,831	175	4	9
1-Sep	24	25	0	3,463	177	5	7
2-Sep	24	27	0	4,753	212	0	7
3-Sep	22	26	0	2,478	133	0	4
4-Sep	8	8	0	665	31	0	0
5-Sep	0	0	0	0	0	0	0
6-Sep	0	0	0	0	0	0	0
7-Sep	0	0	0	0	0	0	0
8-Sep	4	4	0	1,179	9	0	0
9-Sep	5	5	0	1,470	19	0	0
10-Sep	3	3	0	368	6	0	0
11-Sep ^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, 2001–2011.

Section	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2001-2010 Average
Northwestern District												
Dublin Bay	0	0	0	0	0	0	0	0	0	0	0	0
Urilia Bay	0	0	0	0	0	0	0	0	0	0	0	0
Swanson Lagoon	0	0	0	0	0	23	10	0	0	27	9	6
Bechevin Bay	0	0	0	0	0	109	3	41	50	272	905	48
Izembek - Moffet Bay	23	25	37	15	901	92	142	1	0	226	1533	146
Northwestern												
District Total	23	25	37	15	901	224	155	42	50	525	2,447	200
Northern District												
Black Hills	86	335	423	356	78	140	71	2,419	743	1,026	596	568
Caribou Flats	0	0	0	0	0	0	0	0	0	0	0	0
Nelson Lagoon	2,918	6,712	30,620	29,879	46,486	66,874	47,647	54,282	37,060	44,821	13,119	36,730
Herendeen - Moller Bay ^a	42	29	7	0	0	0	41	1	0	0	3	12
Bear River	10,031	13,080	10,379	1,743	9,046	11,580	9,076	33,400	9,809	9,632	2,195	11,778
Three Hills	3,135	5,863	3,982	944	2,177	4,422	4,111	10,646	6,862	2,193	637	4,434
Ilnik	4,488	2,387	5,617	649	7,870	10,715	7,281	24,428	11,682	3,112	432	7,823
Inner Port Heiden	0	0	0	0	0	0	0	0	0	0	0	0
Outer Port Heiden	0	0	0	0	0	0	628	19	507	838	11	199
Cinder River	1,439	320	2,072	334	2,122	0	0	0	888	0	0	718
Northern												
District Total	22,139	28,726	53,100	33,905	67,779	93,731	68,855	125,195	67,551	61,622	16,993	62,260
North Peninsula												
Total	22,162	28,751	53,137	33,920	68,680	93,955	69,010	125,237	67,601	62,147	19,440	62,460

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

^a Includes the Port Moller Bight Section.

Table 7.—Northwestern District pink salmon runs in number of fish, 1962–2011.

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

-continued-

Table 7.–Page 2 of 5.

Year		Izembek - Moffet Bay ^a	Dublin, Uria & Bechevin Bays & Swanson Lagoon ^{a,b}	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

-continued-

Table 7.–Page 3 of 5.

Year		Izembek - Moffet Bay ^a	Dublin, Uria & Bechevin Bays & Swanson Lagoon ^{a,b}	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

-continued-

Table 7.–Page 4 of 5.

Year		Izembek - Moffet Bay ^a	Dublin, Uria & Bechevin Bays & Swanson Lagoon ^{a,b}	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

-continued-

Table 7.–Page 5 of 5.

Year		Izembek - Moffet Bay ^a	Dublin, Uria & Bechevin Bays & Swanson Lagoon ^{a,b}	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
2011	Catch	4,466	104,029	108,495
	Escapement ^c	0	2,400	2,400
	Total	4,466	106,429	110,895
2001-2010 Average ^d				
	Catch	1,558	82,178	83,736
	Escapement ^c	1,334	19,984	21,318
	Total	2,891	102,162	105,053

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 Catch includes a small harvest from the Dublin Bay Section in 1983, 2006 and 2011 only.

^c Escapements are estimated totals.

^d Averages include only the odd-numbered years 2001, 2003, 2005, 2007, and 2009.

Table 8.-Northern District chum salmon runs in number of fish, 1962-2011.

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

-continued-

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

-continued-

Table 8.—Page 3 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
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

-continued-

Table 8.—Page 4 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
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

-continued-

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

-continued-

Table 8.–Page 6 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
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

-continued-

Table 8.–Page 7 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
2009	Catch	0	11,261	0	15,081	18,189	0	4,127	3,167	51,825
	Escapement ^a	11,300	1,200	15,600	4,200	2,132	112,400	499	6,800	154,131
	Total	11,300	12,461	15,600	19,281	20,321	112,400	4,626	9,967	205,956
2010	Catch	0	6,313	0	19,078	35,812	45,136	4,931	8,723	119,993
	Escapement ^a	3,500	1,200	9,600	1,900	910	108,600	12,000	7,600	145,310
	Total	3,500	7,513	9,600	20,978	36,722	153,736	16,931	16,323	265,303
2011	Catch	0	8,408	0	11,507	7,606	14,714	2,011	20,138	64,384
	Escapement ^a	15,000	1,300	11,350	3,700	2,133	58,200	2,369	2,900	96,952
	Total	15,000	9,708	11,350	15,207	9,739	72,914	4,380	23,038	161,336
2001-2010 Average										
	Catch	1	2,773	11	15,967	16,033	10,455	5,430	4,577	55,245
	Escapement ^a	11,721	240	35,175	3,561	7,317	141,786	10,757	5,471	216,028
	Total	11,722	3,013	35,186	19,528	23,349	152,241	16,187	10,048	271,273

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, 1962–2011.

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

-continued-

Table 9.–Page 2 of 5.

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

-continued-

Table 9.-Page 3 of 5.

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

-continued-

Table 9.–Page 4 of 5.

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

-continued-

Table 9.–Page 5 of 5.

Year		Izembek - Moffet Bay ^a	Dublin, Bechevin, & Uralia Bays & Swanson Lagoon ^{a,b}	Northwestern District Total
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
2011	Catch	142,660	86,738	229,398
	Escapement ^c	127,200	24,200	151,400
	Total	269,860	110,938	380,798
2001-2010 Average				
	Catch	44,873	17,578	62,451
	Escapement ^c	194,597	53,652	248,249
	Total	239,470	71,230	310,700

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

^c Escapements are rounded indexed totals.

Table 10.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Nelson River weir, 2011.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
12-Jun	10	0	0	0	10	0	0	0
13-Jun	20	0	0	0	30	0	0	0
14-Jun	30	0	0	0	60	0	0	0
15-Jun	40	0	0	0	100	0	0	0
16-Jun	50	0	0	0	150	0	0	0
17-Jun	50	0	0	0	200	0	0	0
18-Jun	50	0	0	0	250	0	0	0
19-Jun	50	0	0	0	300	0	0	0
20-Jun	7	0	0	0	307	0	0	0
21-Jun	53	0	0	0	360	0	0	0
22-Jun	46	0	0	0	406	0	0	0
23-Jun	25	0	1	0	431	0	1	0
24-Jun	80	0	0	0	511	0	1	0
25-Jun	41	0	0	0	552	0	1	0
26-Jun	19	0	0	0	571	0	1	0
27-Jun	56	0	0	0	627	0	1	0
28-Jun	29	0	0	0	656	0	1	0
29-Jun	291	0	0	0	947	0	1	0
30-Jun	58	0	0	0	1,005	0	1	0
1-Jul	82	0	0	0	1,087	0	1	0
2-Jul	59	0	0	0	1,146	0	1	0
3-Jul	56	0	1	0	1,202	0	2	0
4-Jul	20	0	1	0	1,222	0	3	0
5-Jul	26	0	1	0	1,248	0	4	0
6-Jul	9	0	0	0	1,257	0	4	0
7-Jul	22	1	2	0	1,279	1	6	0
8-Jul	14	1	1	0	1,293	2	7	0
9-Jul	6	3	0	0	1,299	5	7	0
10-Jul	45	2	7	0	1,344	7	14	0
11-Jul	2	1	1	0	1,346	8	15	0
12-Jul	8	2	2	0	1,354	10	17	0
13-Jul	0	0	0	0	1,354	10	17	0
14-Jul	0	0	0	0	1,354	10	17	0
15-Jul	5	10	2	0	1,359	20	19	0
16-Jul	0	11	2	0	1,359	31	21	0
17-Jul	8	7	2	0	1,367	38	23	0
18-Jul	2	3	1	0	1,369	41	24	0
19-Jul	11	9	95	0	1,380	50	119	0
20-Jul	0	7	22	0	1,380	57	141	0
21-Jul	1	14	8	0	1,381	71	149	0
22-Jul	9	19	86	0	1,390	90	235	0
23-Jul	13	26	105	0	1,403	116	340	0
24-Jul	1	4	17	0	1,404	120	357	0
25-Jul	0	10	12	0	1,404	130	369	0

Table 11.–Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Bear River weir, 2011.

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	0	0	0	0	0	0	0
2-Jul	0	0	0	0	0	0	0	0
3-Jul	0	0	0	0	0	0	0	0
4-Jul	0	0	0	0	0	0	0	0
5-Jul	0	0	0	0	0	0	0	0
6-Jul	0	0	0	0	0	0	0	0
7-Jul	0	0	0	0	0	0	0	0
8-Jul	0	2	0	0	0	2	0	0
9-Jul	0	1	0	0	0	3	0	0
10-Jul	0	0	0	0	0	3	0	0
11-Jul	0	0	0	0	0	3	0	0
12-Jul	0	1	0	0	0	4	0	0
13-Jul	0	0	0	0	0	4	0	0
14-Jul	0	5	0	0	0	9	0	0
15-Jul	0	0	0	0	0	9	0	0
16-Jul	0	5	0	0	0	14	0	0
17-Jul	0	4	0	0	0	18	0	0
18-Jul	0	0	0	0	0	18	0	0
19-Jul	1	2	0	0	1	20	0	0
20-Jul	0	2	0	0	1	22	0	0
21-Jul	0	2	0	0	1	24	0	0
22-Jul	0	11	0	0	1	35	0	0
23-Jul	0	18	0	0	1	53	0	0
24-Jul	0	5	0	0	1	58	0	0
25-Jul	0	7	0	0	1	65	0	0
26-Jul	0	16	0	0	1	81	0	0
27-Jul	0	12	0	0	1	93	0	0
28-Jul	0	12	0	0	1	105	0	0
29-Jul	0	20	0	0	1	125	0	0
30-Jul	3	53	3	0	4	178	3	0
31-Jul	3	38	1	0	7	216	4	0
1-Aug	0	31	0	0	7	247	4	0
2-Aug	0	6	0	0	7	253	4	0
3-Aug	0	2	0	0	7	255	4	0
4-Aug	1	2	0	0	8	257	4	0
5-Aug	4	37	0	0	12	294	4	0
6-Aug	2	17	0	0	14	311	4	0
7-Aug	1	15	1	0	15	326	5	0
8-Aug	6	16	1	1	21	342	6	1
9-Aug	10	16	0	0	31	358	6	1
10-Aug	5	24	1	1	36	382	7	2

-continued-

Table 11.–Page 2 of 2.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
11-Aug	3	24	2	0	39	406	9	2
12-Aug	3	37	10	0	42	443	19	2
13-Aug	0	87	3	0	42	530	22	2
14-Aug	0	51	6	0	42	581	28	2
15-Aug	1	35	5	0	43	616	33	2
16-Aug	0	32	2	0	43	648	35	2
17-Aug	0	67	7	0	43	715	42	2
18-Aug	3	91	16	0	46	806	58	2
19-Aug	3	33	8	0	49	839	66	2
20-Aug	0	10	5	0	49	849	71	2
21-Aug	0	21	7	1	49	870	78	3
22-Aug	4	49	14	0	53	919	92	3
23-Aug	1	38	13	0	54	957	105	3
24-Aug	1	35	19	0	55	992	124	3

Table 12.—Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Sandy River weir, 2011.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
4-Jul	7	0	0	0	7	0	0	0
5-Jul	2	0	0	0	9	0	0	0
6-Jul	2	0	0	0	11	0	0	0
7-Jul	10	0	0	0	21	0	0	0
8-Jul	2	0	0	0	23	0	0	0
9-Jul	5	0	0	0	28	0	0	0
10-Jul	0	0	1	0	28	0	1	0
11-Jul	17	0	0	0	45	0	1	0
12-Jul	9	0	0	0	54	0	1	0
13-Jul	4	0	0	0	58	0	1	0
14-Jul	1	2	0	0	59	2	1	0
15-Jul	1	6	1	0	60	8	2	0
16-Jul	1	0	1	0	61	8	3	0
17-Jul	3	2	1	0	64	10	4	0
18-Jul	2	5	2	0	66	15	6	0
19-Jul	31	2	0	0	97	17	6	0
20-Jul	18	2	0	0	115	19	6	0
21-Jul	5	2	1	0	120	21	7	0
22-Jul	5	0	2	0	125	21	9	0
23-Jul	14	0	0	0	139	21	9	0

Table 13.–Chinook, pink, chum, and coho salmon daily and cumulative escapement counts through the Ilnik River weir, 2011.

Date	Daily				Cumulative			
	Chinook	Pink	Chum	Coho	Chinook	Pink	Chum	Coho
11-Jun	1	0	0	0	1	0	0	0
12-Jun	0	0	0	0	1	0	0	0
13-Jun	0	0	0	0	1	0	0	0
14-Jun	1	0	0	0	2	0	0	0
15-Jun	0	0	0	0	2	0	0	0
16-Jun	0	0	0	0	2	0	0	0
17-Jun	0	0	0	0	2	0	0	0
18-Jun	1	0	0	0	3	0	0	0
19-Jun	0	0	0	0	3	0	0	0
20-Jun	0	0	0	0	3	0	0	0
21-Jun	0	0	0	0	3	0	0	0
22-Jun	0	0	0	0	3	0	0	0
23-Jun	0	0	0	0	3	0	0	0
24-Jun	0	0	0	0	3	0	0	0
25-Jun	0	0	0	0	3	0	0	0
26-Jun	0	0	0	0	3	0	0	0
27-Jun	0	0	0	0	3	0	0	0
28-Jun	0	0	0	0	3	0	0	0
29-Jun	0	0	0	0	3	0	0	0
30-Jun	0	12	0	0	3	12	0	0
1-Jul	0	17	0	0	3	29	0	0
2-Jul	0	15	0	0	3	44	0	0
3-Jul	0	10	0	0	3	54	0	0
4-Jul	0	15	0	0	3	69	0	0
5-Jul	0	9	0	0	3	78	0	0
6-Jul	0	7	0	0	3	85	0	0
7-Jul	0	11	0	0	3	96	0	0
8-Jul	0	8	0	0	3	104	0	0
9-Jul	0	13	0	0	3	117	0	0
10-Jul	0	6	0	0	3	123	0	0
11-Jul	0	3	0	0	3	126	0	0
12-Jul	0	4	0	0	3	130	0	0
13-Jul	0	3	0	0	3	133	0	0
14-Jul	0	2	0	0	3	135	0	0

Table 14.—Historical North Alaska Peninsula sockeye salmon escapements and escapement goals, 1986–2011.

Year	Nelson River		Bear River		Sandy River		Ilnik River		Meshik River		Cinder River	
	Escapement ^{a,b}	Goal	Escapement ^b	Goal	Escapement ^b	Goal	Escapement ^{b,c}	Goal	Escapement ^{d,e}	Goal	Escapement ^{d,f}	Goal
1986			272,500						26,230		25,650	
1987			258,000						28,290		17,900	
1988			310,000						35,900		1,800	
1989	193,300		451,000						10,520		3,950	
1990	240,700		546,800						26,830		11,850	
1991	268,400		606,000				135,000		26,400		47,400	
1992	162,300		450,000				45,000		33,100		12,500	
1993	207,200		452,000				70,000		50,000		20,000	
1994	325,300		465,000	200,000	115,000		75,000		44,900		83,400	
1995	329,400	100,000	305,000	to	125,000		39,000		85,610		47,500	6,000
1996	250,500	to	367,000	250,000	64,000		62,000		50,100		60,000	to
1997	183,100	150,000	360,000		38,000		82,000		40,505	10,000	33,000	12,000
1998	159,800		415,000		52,000		50,000		58,200	to	57,000	
1999	202,067		350,000		58,000	40,000	75,000		75,500	20,000	12,400	
2000	182,700		275,000		40,000	to	95,000	40,000	184,100		51,000	
2001	201,962		300,000		51,000	60,000	58,000	to	115,000		24,950	
2002	315,693		275,000		49,000		43,000	60,000	52,250		11,500	
2003	343,511		366,000		66,000		69,000		114,000		102,700	
2004	480,097		435,000		32,000		82,000		102,200		58,050	
2005	303,000		554,000		101,000		154,000		111,100		141,000	
2006	215,000		445,000		48,000		88,000		138,010		101,000	
2007	180,000	97,000	431,000	293,000	44,700		93,000		57,400		142,000	
2008	141,600	to	321,000	to	32,200		44,300		83,250		129,800	12,000
2009	157,000	219,000	349,500	488,000	36,000	34,000 to	66,000		88,000		133,600	to
2010	108,000		369,500		37,000	74,000	59,000		63,700	25,000 to	108,900	48,000
2011	89,000		340,000		37,500		43,000		93,900	100,000	106,000	
2001-2010 Avg	244,586		384,600		49,690		75,630		92,491		95,350	

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

Table 15.—Sockeye salmon daily and cumulative escapement counts through the Nelson River weir, 2011.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
3-Jun	20	0	20	20	0	20	100.0	0.0	0.0	0.0	0.0
4-Jun	50	0	50	70	0	70	100.0	0.0	0.1	0.0	0.1
5-Jun	100	0	100	170	0	170	100.0	0.0	0.2	0.0	0.2
6-Jun	400	0	400	570	0	570	100.0	0.0	0.7	0.0	0.7
7-Jun	400	0	400	970	0	970	100.0	0.0	1.2	0.0	1.1
8-Jun	400	0	400	1,370	0	1,370	100.0	0.0	1.7	0.0	1.6
9-Jun	300	0	300	1,670	0	1,670	100.0	0.0	2.0	0.0	2.0
10-Jun	300	0	300	1,970	0	1,970	100.0	0.0	2.4	0.0	2.3
11-Jun	500	0	500	2,470	0	2,470	100.0	0.0	3.0	0.0	2.9
12-Jun	700	0	700	3,170	0	3,170	100.0	0.0	3.8	0.0	3.7
13-Jun	2,000	0	2,000	5,170	0	5,170	100.0	0.0	6.2	0.0	6.1
14-Jun	2,000	0	2,000	7,170	0	7,170	100.0	0.0	8.7	0.0	8.4
15-Jun	1,500	0	1,500	8,670	0	8,670	100.0	0.0	10.5	0.0	10.2
16-Jun	1,000	0	1,000	9,670	0	9,670	100.0	0.0	11.7	0.0	11.4
17-Jun	1,000	0	1,000	10,670	0	10,670	100.0	0.0	12.9	0.0	12.6
18-Jun	1,000	0	1,000	11,670	0	11,670	100.0	0.0	14.1	0.0	13.7
19-Jun	1,500	0	1,500	13,170	0	13,170	100.0	0.0	15.9	0.0	15.5
20-Jun	1,500	0	1,500	14,670	0	14,670	100.0	0.0	17.7	0.0	17.3
21-Jun	1,418	12	1,430	16,088	12	16,100	99.2	0.8	19.4	0.6	19.0
22-Jun	987	13	1,000	17,075	25	17,100	98.7	1.3	20.6	1.2	20.1
23-Jun	1,074	13	1,087	18,149	38	18,187	98.8	1.2	21.9	1.8	21.4
24-Jun	1,197	15	1,212	19,346	53	19,399	98.8	1.2	23.4	2.5	22.9
25-Jun	1,491	18	1,509	20,837	71	20,908	98.8	1.2	25.2	3.3	24.6
26-Jun	3,003	34	3,037	23,840	105	23,945	98.9	1.1	28.8	4.9	28.2
27-Jun	2,398	24	2,422	26,238	129	26,367	99.0	1.0	31.7	6.0	31.1
28-Jun	1,928	20	1,948	28,166	149	28,315	99.0	1.0	34.0	7.0	33.4
29-Jun	4,775	102	4,877	32,941	251	33,192	97.9	2.1	39.8	11.8	39.1
30-Jun	1,925	55	1,980	34,866	306	35,172	97.2	2.8	42.1	14.3	41.4
1-Jul	2,359	101	2,460	37,225	407	37,632	95.9	4.1	45.0	19.1	44.3

-continued-

Table 15.–Page 2 of 2.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
2-Jul	4,665	188	4,853	41,890	595	42,485	96.1	3.9	50.6	27.9	50.0
3-Jul	4,961	144	5,105	46,851	739	47,590	97.2	2.8	56.6	34.6	56.1
4-Jul	5,080	129	5,209	51,931	868	52,799	97.5	2.5	62.8	40.7	62.2
5-Jul	4,310	108	4,418	56,241	976	57,217	97.6	2.4	68.0	45.7	67.4
6-Jul	1,028	40	1,068	57,269	1,016	58,285	96.3	3.7	69.2	47.6	68.7
7-Jul	1,869	55	1,924	59,138	1,071	60,209	97.1	2.9	71.5	50.2	70.9
8-Jul	2,835	87	2,922	61,973	1,158	63,131	97.0	3.0	74.9	54.2	74.4
9-Jul	1,871	67	1,938	63,844	1,225	65,069	96.5	3.5	77.2	57.4	76.7
10-Jul	3,509	81	3,590	67,353	1,306	68,659	97.7	2.3	81.4	61.2	80.9
11-Jul	1,759	85	1,844	69,112	1,391	70,503	95.4	4.6	83.5	65.2	83.1
12-Jul	2,271	39	2,310	71,383	1,430	72,813	98.3	1.7	86.3	67.0	85.8
13-Jul	2,079	60	2,139	73,462	1,490	74,952	97.2	2.8	88.8	69.8	88.3
14-Jul	551	34	585	74,013	1,524	75,537	94.2	5.8	89.4	71.4	89.0
15-Jul	1,458	117	1,575	75,471	1,641	77,112	92.6	7.4	91.2	76.9	90.8
16-Jul	954	73	1,027	76,425	1,714	78,139	92.9	7.1	92.4	80.3	92.1
17-Jul	957	71	1,028	77,382	1,785	79,167	93.1	6.9	93.5	83.6	93.3
18-Jul	301	36	337	77,683	1,821	79,504	89.3	10.7	93.9	85.3	93.7
19-Jul	1,323	77	1,400	79,006	1,898	80,904	94.5	5.5	95.5	88.9	95.3
20-Jul	708	56	764	79,714	1,954	81,668	92.7	7.3	96.3	91.5	96.2
21-Jul	442	37	479	80,156	1,991	82,147	92.3	7.7	96.9	93.3	96.8
22-Jul	1,050	68	1,118	81,206	2,059	83,265	93.9	6.1	98.1	96.4	98.1
23-Jul	630	37	667	81,836	2,096	83,932	94.5	5.5	98.9	98.2	98.9
24-Jul	467	14	481	82,303	2,110	84,413	97.1	2.9	99.5	98.8	99.4
25-Jul	448	25	473	82,751	2,135	84,886	94.7	5.3	100.0	100.0	100.0
26-Jul	Weir removed										
Total	82,751	2,135	84,886								
Post-weir sockeye escapement estimate:			4114 ^a								
Estimated total sockeye escapement:			89,000								

^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, 1986–2011.

Year	Early-Run Escapement ^a	Late-Run Escapement ^b	Late-Run Catch ^c	Late-Run Total ^d
1986	174,453	98,047	254,650	352,697
1987	168,683	89,317	47,251	136,568
1988	169,363	140,637	231,717	372,354
1989	246,196	204,804	324,994	529,798
1990	283,854	262,946	635,780	898,726
1991	432,087	173,913	634,393	808,306
1992	254,170	195,830	636,231	832,061
1993	254,012	197,988	761,993	959,981
1994	260,559	204,441	791,466	995,907
1995	197,039	107,961	1,150,246	1,258,207
1996	247,371	119,629	399,086	518,715
1997	214,689	145,311	399,917	545,228
1998	221,580	193,420	296,518	489,938
1999	222,110	127,890	637,917	765,807
2000	184,053	90,947	619,264	710,211
2001	177,495	122,505	353,358	475,863
2002	179,480	95,520	298,895	394,415
2003	226,201	139,799	192,067	331,866
2004	354,565	80,435	4,947	85,382
2005	332,248	221,752	423,762	645,514
2006	262,995	182,005	360,792	542,797
2007	206,233	224,767	718,983	943,750
2008	125,526	195,474	674,856	870,330
2009	216,237	133,263	324,650	457,913
2010	226,534	142,966	298,062	441,028
2011	207,451	132,549	75,234	207,783
2001-2010 Average	230,751	153,849	365,037	518,886

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

^a Bear River escapement through July 31.

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

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

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

Table 17.--Sockeye salmon daily and cumulative escapement counts through the Bear River weir, 2011.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
1-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
3-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
4-Jun	35	0	35	35	0	35	0.0	0.0	0.0	0.0	0.0
5-Jun	106	0	106	141	0	141	100.0	0.0	0.0	0.0	0.0
6-Jun	130	1	131	271	1	272	99.2	0.8	0.1	0.0	0.1
7-Jun	329	0	329	600	1	601	100.0	0.0	0.2	0.0	0.2
8-Jun	245	1	246	845	2	847	99.6	0.4	0.3	0.0	0.3
9-Jun	391	2	393	1,236	4	1,240	99.5	0.5	0.4	0.1	0.4
10-Jun	235	1	236	1,471	5	1,476	99.6	0.4	0.5	0.1	0.5
11-Jun	824	3	827	2,295	8	2,303	99.6	0.4	0.8	0.2	0.8
12-Jun	863	2	865	3,158	10	3,168	99.8	0.2	1.1	0.2	1.0
13-Jun	794	3	797	3,952	13	3,965	99.6	0.4	1.3	0.3	1.3
14-Jun	424	0	424	4,376	13	4,389	100.0	0.0	1.5	0.3	1.4
15-Jun	430	0	430	4,806	13	4,819	100.0	0.0	1.6	0.3	1.6
16-Jun	888	4	892	5,694	17	5,711	99.6	0.4	1.9	0.4	1.9
17-Jun	2,735	12	2,747	8,429	29	8,458	99.6	0.4	2.8	0.7	2.8
18-Jun	3,260	12	3,272	11,689	41	11,730	99.6	0.4	3.9	1.0	3.9
19-Jun	6,043	10	6,053	17,732	51	17,783	99.8	0.2	5.9	1.2	5.9
20-Jun	5,537	9	5,546	23,269	60	23,329	99.8	0.2	7.8	1.4	7.7
21-Jun	8,504	23	8,527	31,773	83	31,856	99.7	0.3	10.6	2.0	10.5
22-Jun	9,861	27	9,888	41,634	110	41,744	99.7	0.3	13.9	2.6	13.8
23-Jun	8,768	25	8,793	50,402	135	50,537	99.7	0.3	16.8	3.2	16.7
24-Jun	8,580	25	8,605	58,982	160	59,142	99.7	0.3	19.7	3.8	19.5
25-Jun	5,761	17	5,778	64,743	177	64,920	99.7	0.3	21.6	4.2	21.4
26-Jun	6,402	16	6,418	71,145	193	71,338	99.8	0.2	23.8	4.5	23.5
27-Jun	3,581	18	3,599	74,726	211	74,937	99.5	0.5	25.0	5.0	24.7
28-Jun	4,196	21	4,217	78,922	232	79,154	99.5	0.5	26.4	5.5	26.1
29-Jun	3,689	17	3,706	82,611	249	82,860	99.5	0.5	27.6	5.9	27.3

-continued-

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	5,057	30	5,087	87,668	279	87,947	99.4	0.6	29.3	6.6	29.0
1-Jul	9,617	72	9,689	97,285	351	97,636	99.3	0.7	32.5	8.3	32.2
2-Jul	5,591	80	5,671	102,876	431	103,307	98.6	1.4	34.4	10.1	34.1
3-Jul	8,133	134	8,267	111,009	565	111,574	98.4	1.6	37.1	13.3	36.8
4-Jul	3,251	83	3,334	114,260	648	114,908	97.5	2.5	38.2	15.3	37.9
5-Jul	3,282	44	3,326	117,542	692	118,234	98.7	1.3	39.3	16.3	39.0
6-Jul	2,589	31	2,620	120,131	723	120,854	98.8	1.2	40.2	17.0	39.8
7-Jul	5,231	45	5,276	125,362	768	126,130	99.1	0.9	41.9	18.1	41.6
8-Jul	4,053	64	4,117	129,415	832	130,247	98.4	1.6	43.3	19.6	42.9
9-Jul	2,826	30	2,856	132,241	862	133,103	98.9	1.1	44.2	20.3	43.9
10-Jul	2,502	26	2,528	134,743	888	135,631	99.0	1.0	45.0	20.9	44.7
11-Jul	2,487	23	2,510	137,230	911	138,141	99.1	0.9	45.9	21.4	45.5
12-Jul	2,174	19	2,193	139,404	930	140,334	99.1	0.9	46.6	21.9	46.3
13-Jul	4,149	49	4,198	143,553	979	144,532	98.8	1.2	48.0	23.0	47.6
14-Jul	3,428	42	3,470	146,981	1,021	148,002	98.8	1.2	49.1	24.0	48.8
15-Jul	2,409	48	2,457	149,390	1,069	150,459	98.0	2.0	49.9	25.2	49.6
16-Jul	2,966	43	3,009	152,356	1,112	153,468	98.6	1.4	50.9	26.2	50.6
17-Jul	2,436	33	2,469	154,792	1,145	155,937	98.7	1.3	51.7	26.9	51.4
18-Jul	2,006	29	2,035	156,798	1,174	157,972	98.6	1.4	52.4	27.6	52.1
19-Jul	2,474	28	2,502	159,272	1,202	160,474	98.9	1.1	53.2	28.3	52.9
20-Jul	2,161	31	2,192	161,433	1,233	162,666	98.6	1.4	54.0	29.0	53.6
21-Jul	1,536	17	1,553	162,969	1,250	164,219	98.9	1.1	54.5	29.4	54.1
22-Jul	1,027	60	1,087	163,996	1,310	165,306	94.5	5.5	54.8	30.8	54.5
23-Jul	2,282	99	2,381	166,278	1,409	167,687	95.8	4.2	55.6	33.2	55.3
24-Jul	2,634	72	2,706	168,912	1,481	170,393	97.3	2.7	56.5	34.9	56.2
25-Jul	2,554	84	2,638	171,466	1,565	173,031	96.8	3.2	57.3	36.8	57.0
26-Jul	2,936	107	3,043	174,402	1,672	176,074	96.5	3.5	58.3	39.4	58.0
27-Jul	3,685	141	3,826	178,087	1,813	179,900	96.3	3.7	59.5	42.7	59.3
28-Jul	5,480	191	5,671	183,567	2,004	185,571	96.6	3.4	61.4	47.2	61.2
29-Jul	7,499	187	7,686	191,066	2,191	193,257	97.6	2.4	63.9	51.6	63.7
30-Jul	9,406	210	9,616	200,472	2,401	202,873	97.8	2.2	67.0	56.5	66.9
31-Jul	4,424	154	4,578	204,896	2,555	207,451	96.6	3.4	68.5	60.1	68.4

-continued-

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	3,465	110	3,575	208,361	2,665	211,026	96.9	3.1	69.7	62.7	69.6
2-Aug	1,354	39	1,393	209,715	2,704	212,419	97.2	2.8	70.1	63.6	70.0
3-Aug	689	13	702	210,404	2,717	213,121	98.1	1.9	70.3	63.9	70.3
4-Aug	1,907	41	1,948	212,311	2,758	215,069	97.9	2.1	71.0	64.9	70.9
5-Aug	3,069	108	3,177	215,380	2,866	218,246	96.6	3.4	72.0	67.5	71.9
6-Aug	2,758	67	2,825	218,138	2,933	221,071	97.6	2.4	72.9	69.0	72.9
7-Aug	4,404	101	4,505	222,542	3,034	225,576	97.8	2.2	74.4	71.4	74.4
8-Aug	3,851	69	3,920	226,393	3,103	229,496	98.2	1.8	75.7	73.0	75.6
9-Aug	3,566	60	3,626	229,959	3,163	233,122	98.3	1.7	76.9	74.4	76.8
10-Aug	4,226	65	4,291	234,185	3,228	237,413	98.5	1.5	78.3	76.0	78.3
11-Aug	3,603	65	3,668	237,788	3,293	241,081	98.2	1.8	79.5	77.5	79.5
12-Aug	4,476	41	4,517	242,264	3,334	245,598	99.1	0.9	81.0	78.5	81.0
13-Aug	6,122	104	6,226	248,386	3,438	251,824	98.3	1.7	83.0	80.9	83.0
14-Aug	5,309	71	5,380	253,695	3,509	257,204	98.7	1.3	84.8	82.6	84.8
15-Aug	2,657	45	2,702	256,352	3,554	259,906	98.3	1.7	85.7	83.6	85.7
16-Aug	3,126	69	3,195	259,478	3,623	263,101	97.8	2.2	86.7	85.3	86.7
17-Aug	4,938	83	5,021	264,416	3,706	268,122	98.3	1.7	88.4	87.2	88.4
18-Aug	7,985	149	8,134	272,401	3,855	276,256	98.2	1.8	91.1	90.7	91.1
19-Aug	3,302	38	3,340	275,703	3,893	279,596	98.9	1.1	92.2	91.6	92.2
20-Aug	2,608	38	2,646	278,311	3,931	282,242	98.6	1.4	93.0	92.5	93.0
21-Aug	4,064	65	4,129	282,375	3,996	286,371	98.4	1.6	94.4	94.0	94.4
22-Aug	7,456	93	7,549	289,831	4,089	293,920	98.8	1.2	96.9	96.2	96.9
23-Aug	5,651	88	5,739	295,482	4,177	299,659	98.5	1.5	98.8	98.3	98.8
24-Aug	3,644	72	3,716	299,126	4,249	303,375	98.1	1.9	100.0	100.0	100.0
25-Aug	Weir removed										
Total	299,126	4,249	303,375								
Post Weir Escapement Estimate:			36,625 ^a								
Estimated Total Escapement:			340,000								

^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 18.—Sockeye salmon daily and cumulative escapement counts through the Sandy River weir, 2011.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
14-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
15-Jun	11	0	11	11	0	11	100.0	0.0	0.0	0.0	0.0
16-Jun	4	0	4	15	0	15	100.0	0.0	0.1	0.0	0.1
17-Jun	44	1	45	59	1	60	97.8	2.2	0.2	0.4	0.2
18-Jun	42	0	42	101	1	102	100.0	0.0	0.4	0.4	0.4
19-Jun	46	0	46	147	1	148	100.0	0.0	0.6	0.4	0.6
20-Jun	77	0	77	224	1	225	0.0	0.0	0.8	0.4	0.8
21-Jun	340	6	346	564	7	571	98.3	1.7	2.1	2.8	2.1
22-Jun	350	8	358	914	15	929	97.8	2.2	3.5	6.0	3.5
23-Jun	731	4	735	1,645	19	1,664	99.5	0.5	6.2	7.6	6.2
24-Jun	893	9	902	2,538	28	2,566	99.0	1.0	9.6	11.2	9.6
25-Jun	700	6	706	3,238	34	3,272	99.2	0.8	12.2	13.6	12.2
26-Jun	431	3	434	3,669	37	3,706	99.3	0.7	13.9	14.8	13.9
27-Jun	1,261	18	1,279	4,930	55	4,985	98.6	1.4	18.6	22.0	18.7
28-Jun	1,414	5	1,419	6,344	60	6,404	99.6	0.4	24.0	24.0	24.0
29-Jun	797	10	807	7,141	70	7,211	98.8	1.2	27.0	28.0	27.0
30-Jun	334	1	335	7,475	71	7,546	99.7	0.3	28.2	28.4	28.2
1-Jul	398	1	399	7,873	72	7,945	99.7	0.3	29.7	28.8	29.7
2-Jul	1,174	11	1,185	9,047	83	9,130	99.1	0.9	34.2	33.2	34.2
3-Jul	1,247	12	1,259	10,294	95	10,389	99.0	1.0	38.9	38.0	38.9
4-Jul	1,752	17	1,769	12,046	112	12,158	99.0	1.0	45.5	44.8	45.5
5-Jul	958	3	961	13,004	115	13,119	99.7	0.3	49.1	46.0	49.1
6-Jul	1,238	11	1,249	14,242	126	14,368	99.1	0.9	53.8	50.4	53.8
7-Jul	662	11	673	14,904	137	15,041	98.4	1.6	56.3	54.8	56.3
8-Jul	452	7	459	15,356	144	15,500	98.5	1.5	58.0	57.6	58.0
9-Jul	1,000	0	1,000	16,356	144	16,500	100.0	0.0	61.8	57.6	61.7
10-Jul	655	7	662	17,011	151	17,162	98.9	1.1	64.3	60.4	64.2
11-Jul	837	7	844	17,848	158	18,006	99.2	0.8	67.4	63.2	67.4
12-Jul	1,151	10	1,161	18,999	168	19,167	99.1	0.9	71.8	67.2	71.7
13-Jul	1,106	8	1,114	20,105	176	20,281	99.3	0.7	75.9	70.4	75.9

-continued-

Table 18.—Page 2 of 2.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
14-Jul	1,443	11	1,454	21,548	187	21,735	99.2	0.8	81.4	74.8	81.3
15-Jul	1,279	12	1,291	22,827	199	23,026	99.1	0.9	86.2	79.6	86.2
16-Jul	739	9	748	23,566	208	23,774	98.8	1.2	89.0	83.2	89.0
17-Jul	553	11	564	24,119	219	24,338	98.0	2.0	91.1	87.6	91.1
18-Jul	626	10	636	24,745	229	24,974	98.4	1.6	93.5	91.6	93.5
19-Jul	375	5	380	25,120	234	25,354	98.7	1.3	94.9	93.6	94.9
20-Jul	276	3	279	25,396	237	25,633	98.9	1.1	95.9	94.8	95.9
21-Jul	263	3	266	25,659	240	25,899	98.9	1.1	96.9	96.0	96.9
22-Jul	360	5	365	26,019	245	26,264	98.6	1.4	98.3	98.0	98.3
23-Jul	454	5	459	26,473	250	26,723	98.9	1.1	100.0	100.0	100.0
24-Jul	Weir removed										
Total	26,473	250	26,723								
Post Weir Escapement Estimate:			10,777 ^a								
Total Estimated Escapement:			37,500								

^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 19.—Sockeye salmon daily and cumulative escapement counts through the Ilnik River weir, 2011.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
prior 1-Jun	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1-Jun	76	10	86	76	10	86	0.0	0.0	0.2	5.0	0.2
2-Jun	0	0	0	76	10	86	0.0	0.0	0.2	5.0	0.2
3-Jun	33	0	33	109	10	119	0.0	0.0	0.3	5.0	0.3
4-Jun	82	2	84	191	12	203	0.0	0.0	0.5	6.0	0.5
5-Jun	99	3	102	290	15	305	0.0	0.0	0.7	7.5	0.7
6-Jun	134	1	135	424	16	440	0.0	0.0	1.0	8.0	1.1
7-Jun	216	4	220	640	20	660	0.0	0.0	1.5	10.0	1.6
8-Jun	306	7	313	946	27	973	0.0	0.0	2.3	13.4	2.3
9-Jun	40	1	41	986	28	1,014	0.0	0.0	2.4	13.9	2.4
10-Jun	67	0	67	1,053	28	1,081	100.0	0.0	2.5	13.9	2.6
11-Jun	108	2	110	1,161	30	1,191	98.2	1.8	2.8	14.9	2.9
12-Jun	371	6	377	1,532	36	1,568	98.4	1.6	3.7	17.9	3.8
13-Jun	898	17	915	2,430	53	2,483	98.1	1.9	5.9	26.4	6.0
14-Jun	1,046	10	1,056	3,476	63	3,539	99.1	0.9	8.4	31.3	8.5
15-Jun	1,155	8	1,163	4,631	71	4,702	99.3	0.7	11.2	35.3	11.3
16-Jun	1,393	6	1,399	6,024	77	6,101	99.6	0.4	14.5	38.3	14.7
17-Jun	2,021	8	2,029	8,045	85	8,130	99.6	0.4	19.4	42.3	19.5
18-Jun	828	4	832	8,873	89	8,962	99.5	0.5	21.4	44.3	21.5
19-Jun	1,288	7	1,295	10,161	96	10,257	99.5	0.5	24.5	47.8	24.6
20-Jun	1,704	6	1,710	11,865	102	11,967	99.6	0.4	28.6	50.7	28.7
21-Jun	2,116	9	2,125	13,981	111	14,092	99.6	0.4	33.7	55.2	33.8
22-Jun	2,498	7	2,505	16,479	118	16,597	99.7	0.3	39.8	58.7	39.9
23-Jun	2,141	4	2,145	18,620	122	18,742	99.8	0.2	44.9	60.7	45.0
24-Jun	2,141	2	2,143	20,761	124	20,885	99.9	0.1	50.1	61.7	50.2
25-Jun	1,591	1	1,592	22,352	125	22,477	99.9	0.1	53.9	62.2	54.0
26-Jun	5,255	9	5,264	27,607	134	27,741	99.8	0.2	66.6	66.7	66.6
27-Jun	1,594	2	1,596	29,201	136	29,337	99.9	0.1	70.5	67.7	70.4
28-Jun	334	0	334	29,535	136	29,671	100.0	0.0	71.3	67.7	71.3

-continued-

Table 19.–Page 2 of 2.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
29-Jun	1,005	1	1,006	30,540	137	30,677	99.9	0.1	73.7	68.2	73.7
30-Jun	1,465	13	1,478	32,005	150	32,155	99.1	0.9	77.2	74.6	77.2
1-Jul	856	2	858	32,861	152	33,013	99.8	0.2	79.3	75.6	79.3
2-Jul	1,272	6	1,278	34,133	158	34,291	99.5	0.5	82.4	78.6	82.3
3-Jul	1,026	4	1,030	35,159	162	35,321	99.6	0.4	84.8	80.6	84.8
4-Jul	1,028	6	1,034	36,187	168	36,355	99.4	0.6	87.3	83.6	87.3
5-Jul	772	3	775	36,959	171	37,130	99.6	0.4	89.2	85.1	89.2
6-Jul	817	2	819	37,776	173	37,949	99.8	0.2	91.2	86.1	91.1
7-Jul	1,023	5	1,028	38,799	178	38,977	99.5	0.5	93.6	88.6	93.6
8-Jul	647	4	651	39,446	182	39,628	99.4	0.6	95.2	90.5	95.2
9-Jul	716	10	726	40,162	192	40,354	98.6	1.4	96.9	95.5	96.9
10-Jul	494	3	497	40,656	195	40,851	99.4	0.6	98.1	97.0	98.1
11-Jul	234	1	235	40,890	196	41,086	99.6	0.4	98.7	97.5	98.7
12-Jul	273	1	274	41,163	197	41,360	99.6	0.4	99.3	98.0	99.3
13-Jul	134	2	136	41,297	199	41,496	98.5	1.5	99.7	99.0	99.6
14-Jul	109	2	111	41,406	201	41,607	98.2	1.8	99.9	100.0	99.9
15-Jul	36	0	36	41,442	201	41,643	100.0	0.0	100.0	100.0	100.0
16-Jul	Weir removed										
Total	41,442	201	41,643								
Post Weir Escapement Estimate:			1,357 ^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, 2011.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 6-Jun	0	0	0	0	0	0	0
6-Jun	7	7	45	1,222	0	0	0
7-Jun	5	5	43	676	0	0	1
8-Jun	7	7	15	842	0	0	0
9-Jun ^a							
13-Jun	22	23	64	3,716	0	0	1
14-Jun	24	27	121	5,712	0	0	0
15-Jun	22	22	123	8,550	0	0	2
16-Jun	11	11	2	1,448	0	0	0
20-Jun	14	14	37	3,891	0	0	0
21-Jun	21	21	91	5,317	0	0	696
22-Jun	21	21	81	4,459	0	0	0
23-Jun	91	111	218	29,036	0	0	583
24-Jun	74	95	154	37,798	0	3	547
25-Jun	86	104	179	47,357	0	5	602
26-Jun	74	91	157	50,838	0	0	412
27-Jun	97	138	155	50,009	0	0	808
28-Jun	43	45	71	30,385	0	0	524
29-Jun	20	21	19	4,656	0	0	0
30-Jun	130	152	190	73,043	0	0	1,916
1-Jul	109	110	157	58,302	0	0	1,981
2-Jul	118	138	103	60,535	1	0	2,024
3-Jul	80	95	39	17,700	0	0	1,095
4-Jul	57	58	36	14,524	0	0	8,855
5-Jul	19	19	14	2,435	0	0	1,651
6-Jul	125	127	23	30,563	0	2	913
7-Jul	121	138	22	49,605	0	6	1,608
8-Jul	113	126	41	45,438	0	5	1,337
11-Jul	124	132	16	34,259	8	10	1,912
12-Jul	113	129	27	40,608	7	13	3,955
13-Jul	135	149	22	31,097	7	4	20,622
14-Jul	110	116	11	13,869	0	0	12,803
15-Jul	78	79	12	9,834	2	637	5,936
16-Jul	5	5	0	11	0	0	774
17-Jul ^a							
18-Jul	81	82	16	11,467	6	5	6,291
19-Jul	81	84	11	15,685	3	51	4,960
20-Jul	48	48	3	8,003	2	11	7,524
21-Jul	7	7	0	624	0	0	3,586
23-Jul ^a							
24-Jul ^a							
25-Jul	22	22	0	2,124	6	105	2,434
26-Jul	38	38	2	5,454	20	750	5,409
27-Jul	29	30	0	4,074	14	137	5,071

-continued-

Table 20.—Page 2 of 2.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
28-Jul	26	26	0	2,888	0	43	5,115
29-Jul ^a							
1-Aug	22	23	0	2,302	28	2,243	4,775
2-Aug	11	11	0	459	20	0	50
3-Aug	11	12	0	538	20	16,367	758
4-Aug	18	18	0	651	73	12,292	592
8-Aug	30	31	1	3,573	496	78	6,136
9-Aug	33	33	0	4,054	373	385	7,640
10-Aug	38	42	1	6,138	513	102	11,174
11-Aug	35	35	2	2,721	432	186	10,595
12-Aug	7	7	0	862	81	10,015	8,681
13-Aug	17	23	0	450	99	27,663	17,192
14-Aug	11	12	0	76	24	10,319	9,166
15-Aug	37	37	2	2,501	753	9,432	14,293
16-Aug	37	42	1	1,440	731	12,264	12,996
17-Aug	22	22	0	694	314	1,989	7,671
18-Aug	11	12	0	149	96	1,333	2,805
19-Aug	3	4	0	26	6	456	632
20-Aug	27	27	2	4,117	293	293	4,217
21-Aug	15	16	0	3,365	173	115	1,394
22-Aug	40	44	0	5,120	1,076	361	5,001
23-Aug	40	40	2	7,210	1,436	513	4,117
24-Aug	52	56	1	5,705	2,440	231	5,759
25-Aug	47	48	0	5,446	1,880	112	3,583
26-Aug	47	50	0	7,419	1,449	15	2,151
27-Aug	29	29	0	4,250	258	25	1,571
28-Aug	26	26	0	3,708	243	7	127
29-Aug	43	43	1	2,516	1,179	20	2,116
30-Aug	44	48	0	7,509	722	37	2,168
31-Aug	44	44	1	6,921	722	64	10,978
1-Sep	45	48	0	3,516	1,263	25	2,956
2-Sep	47	50	0	4,825	1,157	3	7,849
3-Sep	31	35	0	2,486	173	6	2,562
4-Sep	13	13	0	665	62	4	992
5-Sep	4	4	0	2	26	0	1,181
7-Sep	3	3	0	6	36	0	658
8-Sep	9	9	0	1,179	29	0	2,535
9-Sep	12	12	0	1,474	571	0	2,404
10-Sep	8	8	0	368	94	0	1,428
11-Sep ^a							
12-Sep ^a							
Total	171	3,699	2,368	923,194	19,440	108,830	293,782

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

^a Confidentiality requirements prohibit releasing this information.

Table 21.—North Peninsula salmon harvest by district, statistical area, and section, 2011.

Statistical Area	Section	Number of Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
<i>NORTHWESTERN DISTRICT</i>							
311-20	Dublin Bay Section	0	983	0	317	181	1,481
311-32	Urilia Bay Section	0	0	0	0	0	0
311-52	Swanson Lagoon Section	2	324	9	88	9,169	9,592
311-60	Bechevin Bay Section	2	888	905	103,624	77,388	182,807
311-58	Cape Krenitzen to Cape Glazenap	1	2,917	68	2,038	4,691	9,715
312-10	Cape Glazenap to Moffet Point	1	1,566	472	170	21,598	23,807
312-20	Izembek Lagoon	0	628	4	126	703	1,461
312-40	Moffet Bay	6	12,807	989	2,132	115,668	131,602
Izembek-Moffet Bay Section Total		8	17,918	1,533	4,466	142,660	360,465
<i>NORTHWESTERN DISTRICT TOTAL</i>		<i>12</i>	<i>20,113</i>	<i>2,447</i>	<i>108,495</i>	<i>229,398</i>	<i>554,345</i>
<i>NORTHERN DISTRICT</i>							
313-10	Black Hills Section	19	17,826	596	51	20,138	38,630
313-30	Nelson Lagoon Section	499	74,808	13,119	11	2,011	90,448
314-12	Port Moller Bight Section	37	221	0	0	121	379
314-20	Herendeen Bay	2	193	3	0	14,593	14,791
314-30	Moller Bay	0	0	0	0	0	0
Herendeen-Moller Bay Section Total		2	193	3	0	14,593	14,791
315-11	Bear River	451	88,343	1,193	63	7,418	97,468
315-20	Muddy River	22	32,309	1,002	101	188	33,622
Bear River Section Total		473	120,652	2,195	164	7,606	131,090
316-10	Three Hills Section	1	11,189	637	23	236	12,086
316-20	Southwest Ilnik	132	98,254	427	31	4,978	103,822
316-22	Ilnik Lagoon	0	0	0	0	0	0
316-25	Northeast Ilnik	437	204,810	5	14	6,293	211,559
Ilnik Section Total		569	303,064	432	45	11,271	315,381
317-10	Outer Port Heiden Section	756	375,128	11	41	8,408	384,344
317-20	Inner Port Heiden Section	0	0	0	0	0	0
318-20	Cinder River Section	0	0	0	0	0	0
<i>NORTHERN DISTRICT TOTAL</i>		<i>2,356</i>	<i>903,081</i>	<i>16,993</i>	<i>335</i>	<i>64,384</i>	<i>987,149</i>
<i>NORTH PENINSULA TOTAL</i>		<i>2,368</i>	<i>923,194</i>	<i>19,440</i>	<i>108,830</i>	<i>293,782</i>	<i>1,541,494</i>

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), 1962–2011.

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

-continued-

Table 22.–Page 2 of 5.

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

-continued-

Table 22.–Page 3 of 5.

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

-continued-

Table 22.–Page 4 of 5.

Year		Izembek - Moffet Bay ^a	Dublin, Urilia, & Bechevin bays & Swanson Lagoon ^{a,b}	Northwestern District Total
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, Uralia, & Bechevin bays & Swanson Lagoon ^{a,b}	Northwestern District Total
2009	Catch	10,869	26,190	37,059
	Escapement ^c	39,300	49,700	89,000
	Total	50,169	75,890	126,059
2010	Catch	25,582	29,223	54,805
	Escapement ^c	12,700	36,400	49,100
	Total	38,282	65,623	103,905
2011	Catch	17,918	2,195	20,113
	Escapement ^c	10,200	38,700	48,900
	Total	28,118	40,895	69,013
2001-2010	Catch	24,138	48,356	72,494
Average	Escapement ^c	45,858	71,179	117,037
	Total	69,997	119,535	189,531

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, 2011.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller - 1	3:00 p.m. June 19	6:00 a.m. June 20	Closure: The Ilnik, Outer Port Heiden, Port Moller Bight and Bear River sections will close to commercial salmon fishing until further notice.
Port Moller - 2	8:00 p.m. June 21	6:00 a.m. June 23	Fishing Period: The Outer Port Heiden Section will open from 6:00 a.m. June 23 until 6:00 p.m. June 25.
Port Moller - 3	3:00 p.m. June 24	6:00 a.m. June 25	Fishing Season/Period: A portion of the Bear River Section northeast from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yd. marker to Cape Seniavin will close 6:00 a.m. June 25 until further notice. The Port Moller Bight, Ilnik and remainder of the Bear River sections will open to at 6:00 a.m. June 25 until June 28. The Three Hills sections will remain closed until further notice.
Port Moller - 4	8:00 p.m. June 26	6:00 a.m. June 27	Fishing Period: The Outer Port Heiden Section will close from 6:00 a.m. June 27 until further notice.
Port Moller - 5	12:00 p.m. June 28	6:00 p.m. June 28	Fishing Period: A portion of the Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yd. marker, the Port Moller Bight and Ilnik sections will close 6:00 p.m. June 28 until 6:00 a.m. June 30 and then reopen until 6:00 p.m. July 2 The Inner and Outer Port Heiden sections will open 6:00 a.m. June 30 until 6:00 p.m. July 2.
Port Moller - 6	12:00 p.m. July 2	6:00 p.m. July 2	Fishing Period: The open portion of the Bear River Section as per previous emergency order, the Port Moller Bight and Ilnik sections will remain open from 6:00 p.m. July 2 until 6:00 a.m. July 4.
Port Moller – 7	8:00 p.m. July 3	6:00 a.m. July 4	Fishing Period: A portion of the Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the south 1,000 yd. marker, the Port Moller Bight and Ilnik sections will close 6:00 a.m. July 4 until 6:00 a.m. July 6, then reopen until 6:00 p.m. July 8. The Outer Port Heiden section will close 6:00 a.m. July 4 until 6:00 a.m. July 6, and then reopen until 6:00 p.m. July 8. The Inner Port Heiden section will open 6:00 a.m. July 4 until 6:00 p.m. July 8.

-continued-

Table 23.–Page 2 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Cold Bay - 1	11:00 p.m. July 4	12:01 a.m. July 6	Fishing Period: Commercial salmon fishing will open from 12:01 a.m. July 6 until 6:00 p.m. July 6 in the Unimak and Southwestern districts.
Cold Bay – 2	12:00 pm July 7	9:00 p.m. July 8	Fishing Period: Commercial salmon fishing will open from 9:00 p.m. July 8 until 9:00 p.m. July 9 in the Unimak and Southwestern districts.
Port Moller - 8	12:00 p.m. July 10	6:00 a.m. July 11	Fishing Season/Periods: A portion of the Bear River Section northeast from a line at a 280° bearing perpendicular to the beach at the southern 1,000 yd. marker at King Salmon River to Cape Seniavin will close 6:00 a.m. July 11 until further notice. The Port Moller Bight, Ilnik, Inner and Outer Port Heiden and the remaining portion of the Bear River sections will open 6:00 a.m. July 11 until 6:00 p.m. July 13.
Cold Bay – 3	12:10 p.m. July 10	9:00 p.m. July 11	Fishing Period: Commercial salmon fishing will open from 9:00 p.m. July 11 until 9:00 p.m. July 12 in the Unimak and Southwestern districts.
Cold Bay - 4	5:00 p.m. July 12	6:00 p.m. July 13	Fishing Period: Commercial salmon fishing will open 6:00 p.m. July 13 until 6:00 p.m. July 15 in the Bechevin Bay section.
Port Moller - 9	12:00 p.m. July 13	6:00 p.m. July 13	Fishing Period/Extension: Commercial salmon fishing will remain 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 at the King Salmon River until 6:00 p.m. July 15. The Port Moller Bight and Ilnik sections will remain open until 6:00 p.m. July 15.
Cold Bay - 5	4:00 p.m. July 13	9:00 p.m. July 14	Fishing Period: Commercial salmon fishing will open from 9:00 p.m. July 14 until 9:00 p.m. July 15 in the Unimak and Southwestern districts.
Cold Bay - 6	9:00 a.m. July 14	9:00 p.m. July 14	Fishing Period: Commercial salmon fishing will open from 9:00 p.m. July 14 until 9:00 p.m. July 15 in the South Central District and the Shumagin Islands portion of the Southeastern District.

-continued-

Table 23.–Page 3 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller - 10	12:00 p.m. July 14	6:00 p.m. July 14	Extension: Commercial salmon fishing will remain open until 6:00 p.m. July 16 in the Herendeen-Moller Bay Section.
Port Moller - 11	9:00 a.m. July 16	6:00 p.m. July 16	Extension: Commercial salmon fishing will remain open in the Herendeen-Moller Bay Section until 6:00 p.m. July 17.
Cold Bay - 7	3:00 p.m. July 16	9:00 p.m. July 17	Fishing Period: Commercial salmon fishing will open from 9:00 p.m. July 17 until 9:00 p.m. July 18 in the Unimak and Southwestern districts.
Port Moller - 12	12:00 p.m. July 17	6:00 a.m. July 18	Closure/Fishing Period: The Nelson Lagoon Section will close 6:00 a.m. July 18 until further notice. A portion of the Bear River Section southwest from a line at a 280° bearing perpendicular to the beach at the south 1,000 yd. marker at the King Salmon River, and the Port Moller Bight, Ilnik, and the Inner and Outer Port Heiden sections will open from 6:00 a.m. July 18 until 6:00 p.m. July 20.
Cold Bay - 8	2:00 p.m. July 19	9:00 p.m. July 20	Fishing Period: Commercial salmon fishing will open from 9:00 p.m. July 20 until 9:00 p.m. July 21 in the Unimak and Southwestern districts.
Port Moller - 13	12:00 p.m. July 20	6:00 p.m. July 20	Fishing Period: The Port Moller Bight, Bear River, Ilnik and Outer Port Heiden sections will close to commercial salmon fishing from 6:00 p.m. July 20 until further notice.
Cold Bay -9	11:00 a.m. July 22	12:00 p.m. July 23	Fishing Period: Commercial salmon fishing will open from noon July 23 until 11:59 p.m. July 24 in the Unimak and Southwestern districts.
Port Moller - 14	8:00 p.m. July 22	6:00 a.m. July 23	Fishing Period: Commercial fishing will open in Herendeen Bay north of Bold Bluff Pt at 55° 45.15' N. from 6:00 a.m. July 23 to 6:00 p.m. July 26.
Port Moller - 15	9:00 a.m. July 24	6:00 a.m. July 25	Fishing Period: Commercial salmon fishing in the Nelson Lagoon Section will open from 6:00 a.m. July 25 until 11:59 p.m. July 28.

-continued-

Table 23.–Page 4 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Cold Bay - 10	9:30 a.m. July 26	12:01 a.m. July 27	Fishing Period: Commercial salmon fishing will open from 12:01 a.m. July 27 until noon July 28 in the Unimak and Southwestern districts.
Cold Bay - 11	12:00 p.m. July 29	12:00 p.m. July 30	Fishing Period: Commercial salmon fishing will open from noon, July 29 until noon, July 30 in the Unimak and Southwestern districts.
Cold Bay- 12	11:00 a.m. July 30	6:00 a.m. August 1	Fishing Period: Commercial salmon fishing will open in the Bechevin Bay Section from 6:00 a.m. August 1 until 6:00 p.m. August 4.
Cold Bay - 13	8:30 a.m. August 4	8:00 a.m. August 5	Fishing Period: Commercial salmon fishing will open from 8:00 a.m. August 5 until 9:00 p.m. August 6 in the Unimak and Southwestern districts except for waters in Belfonski Bay north of a line extending from Indian Head (55° 05.25' N. lat., 162°12.16' W. long.) to a point south of Kitchen Anchorage at 55° 06.77' N. lat., 162° 08.24' W. long., and in Volcano Bay, northwest of a line extending from Arch Point (55° 12.30' N. lat., 161°54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long. will remain closed.
Cold Bay - 14	9:30 a.m. August 5	8:00 a.m. August 6	Fishing Period: Commercial salmon fishing will open from 8:00 a.m. August 6 until 9:00 p.m. August 7 in the Shumagin Islands Section of the Southeastern District.
Cold Bay - 15	1:30 p.m. August 11	6:00 p.m. August 11	Extension: Commercial salmon fishing will be extended in the Izembek-Moffet Bay, Swanson Lagoon and Dublin Bay sections of the Northwestern District from 6:00 p.m. August 11 until further notice.
Cold Bay - 16	1:30 p.m. August 11	6:00 a.m. August 12	Extension: Commercial salmon fishing will be extended in the Bechevin Bay and Urilia Bay sections from 6:00 a.m. August 12 until further notice.

-continued-

Table 23.–Page 5 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Port Moller - 16	3:00 p.m. August 19	6:00 a.m. August 20	Fishing Season/Period: A portion of the Bear River Section from the southern 1,000 yd. regulatory marker at King Salmon River to Sandy River Bluffs at 160° 19.64' W. long. will remain closed to commercial salmon fishing until further notice. The Port Moller Bight, remaining portion of the Bear River, Three Hills and Ilnik sections will open to from 6:00 a.m. August 20 until 6:00 p.m. August 22.
Port Moller - 17	9:00 a.m. August 22	6:00 p.m. August 22	Extension: Commercial salmon fishing will remain open in the Port Moller Bight, a portion of the Bear River, Three Hills and Ilnik sections from 6:00 p.m. August 22 until 6:00 a.m. August 29.
Port Moller - 18	12:00 p.m. August 23	6:00 p.m. August 23	Fishing Season: The commercial salmon fishing season will open in the entire Bear River section 6:00 p.m. August 23 until further notice. The closed waters at Bear River will be 1,000 yards from the stream terminus at the ocean shoreline from August 23 until further notice.
Port Moller - 19	9:00 a.m. August 24	11:59 p.m. August 24	Extension/Fishing Period: The Nelson Lagoon Section will be extended until 11:59 August 26.
Cold Bay - 17	4:00 p.m. August 27	8:00 a.m. August 29	Fishing Period: Commercial salmon fishing will open from 8:00 a.m. August 29 until 9:00 p.m. August 31 in the Unimak and Southwestern districts except those waters in Volcano Bay, northwest of a line extending from Arch Point (55° 12.30' N. lat., 161°54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long. will remain closed.
Port Moller - 20	9:00 a.m. August 31	6:00 p.m. August 31	Fishing Period: The Nelson Lagoon Section will open to commercial salmon fishing midnight, August 31 until 11:59 p.m. September 2. The Port Moller Bight, Bear River, and Three hills sections will be extended from 6:00 p.m. September 1 until 11:59 p.m. September 30. The Ilnik Section will remain open 6:00 p.m. August 31 until 6:00 p.m. September 3.

-continued-

Table 23.–Page 6 of 6.

Emergency Order #	Issued:	Effective:	Action Taken:
Cold Bay- 18	9:00 a.m. September 3	9:00 a.m. September 5	Fishing Period: Commercial salmon fishing will open from Section from 9:00 a.m. September 5 until 8:00 p.m. September 7 in the Unimak and Southwestern districts, except those waters in Volcano Bay, northwest of a line extending from Arch Point (55° 12.30' N. lat., 161°54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long. will remain closed.
Cold Bay - 19	5:30 p.m. September 10	9:00 a.m. September 12	Fishing Period: Commercial salmon fishing will open from 9:00 a.m. September 12 until 8:00 p.m. September 14 in the Unimak and Southwestern districts.
Cold Bay - 20	9:00 a.m. September 14	8:00 p.m. September 14	Extension: Commercial salmon fishing will be extended in the Southeastern District from 8:00 p.m. September 14 until 8:00 p.m. September 15.
Cold Bay - 21	1:00 p.m. September 16	9:00 a.m. September 19	Fishing Period: Commercial salmon fishing will be opened in the Unimak, Southwestern and Southeastern districts from 9:00 a.m. September 19 until 8:00 p.m. September 21.
Cold Bay - 22	1:00 p.m. September 16	1:00 p.m. September 16	Closure: Commercial salmon fishing will close in the Northwestern District at 1:00 p.m. September 16 until further notice.

Table 24.—Nelson Lagoon Section salmon harvest by species and day, 2011.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 6-Jun	0	0	0	0	0	0	0
6-Jun	5	5	12	638	0	0	0
7-Jun	3	3	3	412	0	0	0
8-Jun	3	3	9	415	0	0	0
9-Jun to 12-Jun ^a							
13-Jun	14	14	28	1,258	0	0	0
14-Jun	14	14	50	1,975	0	0	0
15-Jun	15	15	30	2,652	0	0	0
16-Jun	11	11	2	1,448	0	0	0
17-Jun to 19-Jun ^a							
20-Jun	14	14	37	3,891	0	0	0
21-Jun	19	19	85	4,535	0	0	0
22-Jun	21	21	81	4,459	0	0	0
23-Jun	16	16	27	3,471	0	0	0
24-Jun to 26-Jun ^a							
27-Jun	19	19	34	2,267	0	0	0
28-Jun	18	18	2	2,675	0	0	0
29-Jun	20	21	19	4,656	0	0	0
30-Jun	20	20	15	4,985	0	0	0
1-Jul to 3-Jul ^a							
4-Jul	24	25	26	3,901	0	0	2
5-Jul	15	15	14	1,148	0	0	0
6-Jul	11	11	6	939	0	0	0
7-Jul	24	25	11	3,208	0	0	16
8-Jul to 10-Jul ^a							
11-Jul	15	15	1	903	0	2	5
12-Jul	15	16	3	1,343	0	8	8
13-Jul	20	20	1	1,794	0	0	18
14-Jul	17	17	1	1,414	0	0	20
15-Jul to 24-Jul ^a							
25-Jul	14	14	0	1,039	5	0	117
26-Jul	16	16	0	2,174	0	0	202
27-Jul	16	17	0	2,365	14	0	253
28-Jul	15	15	0	1,669	0	0	421
29-Jul to 31-Jul ^a							
1-Aug	17	17	0	1,122	20	1	187
2-Aug	11	11	0	459	20	0	50
3-Aug	8	8	0	235	20	0	27
4-Aug	14	14	0	491	52	0	55
5-Aug to 7-Aug ^a							
8-Aug	18	19	0	1,685	408	0	167
9-Aug	18	18	0	1,327	269	0	85
10-Aug	15	15	0	1,381	342	0	94
11-Aug	19	19	0	1,321	372	0	116

-continued-

Table 24.–Page 2 of 2.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
12-Aug to 14-Aug ^a							
15-Aug	17	17	0	1,287	672	0	55
16-Aug	14	14	0	886	560	0	47
17-Aug	13	13	0	545	242	0	18
18-Aug to 21-Aug ^a							
22-Aug	17	18	0	417	760	0	12
23-Aug	17	17	2	658	1,200	0	16
24-Aug	16	19	0	643	2,155	0	9
25-Aug	17	17	0	380	1,688	0	7
26-Aug	14	14	0	184	1,024	0	2
27-Aug to 28-Aug ^a							
29-Aug	15	15	0	70	937	0	1
30-Aug	15	16	0	30	429	0	0
31-Aug	11	11	0	19	445	0	0
1-Sep	13	15	0	22	1,051	0	1
2-Sep	11	11	0	12	434	0	0
Total	30	737	499	74,808	13,119	11	2,011

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

^a Fishery closed.

Table 25.—North Alaska Peninsula salmon test fish catches, 2001–2011.

Year	Number of Salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
2001	13	4,363	2	10	62	4,450
2002	0	6,021	14	41	169	6,245
2003	1	5,785	10	99	178	6,073
2004	0	3,874	35	108	87	4,104
2005	0	2,291	2	11	36	2,340
2006	20	2,232	2	0	89	2,343
2007	0	1,664	5	0	13	1,682
2008	0	2,249	54	1	105	2,409
2009	6	4,027	7	29	54	4,123
2010	0	2,294	2	19	58	2,373
2011	1	2,434	21	33	67	2,556
2001-2010 Average	4	3,480	13	32	85	3,614

Table 26.–Bear River Section salmon harvest by species and day, 2011.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 6-Jun	0	0	0	0	0	0	0
6-Jun ^b							
7-Jun ^b							
8-Jun	4	4	6	427	0	0	0
9-Jun to 12-Jun ^a							
13-Jun	8	9	36	2,458	0	0	1
14-Jun	10	13	71	3,737	0	0	0
15-Jun	7	7	93	5,898	0	0	2
16-Jun to 24-Jun ^a							
25-Jun	15	17	59	2,259	0	0	50
26-Jun	9	10	55	4,438	0	0	0
27-Jun	14	17	23	3,909	0	0	115
28-Jun	0	0	0	0	0	0	0
29-Jun ^a							
30-Jun	13	21	13	11,295	0	0	218
1-Jul	12	12	10	4,861	0	0	692
2-Jul	15	16	8	2,666	0	0	624
3-Jul	11	12	10	2,728	0	0	259
4-Jul ^b							
5-Jul ^a							
6-Jul	6	6	2	2,080	0	0	99
7-Jul	13	14	0	4,980	0	0	561
8-Jul	10	10	0	2,312	0	0	127
9-Jul to 10-Jul ^a							
11-Jul ^a							
12-Jul	4	4	1	1,354	0	0	291
13-Jul	8	8	2	1,989	0	0	924
14-Jul	8	8	3	719	0	0	454
15-Jul	6	6	2	573	0	0	383
16-Jul to 17-Jul ^a							
18-Jul	9	9	2	726	0	0	928
19-Jul	7	7	0	1,706	0	0	795
20-Jul	6	6	0	899	0	0	607
21-Jul to 19-Aug ^a							
20-Aug	14	14	2	3,054	137	7	121
21-Aug	7	7	0	2,565	78	12	30
22-Aug	10	13	0	3,746	153	9	23
23-Aug	10	10	0	4,112	104	54	49
24-Aug	24	25	1	4,590	154	21	32
25-Aug	21	22	0	4,754	162	24	35
26-Aug	19	22	0	4,548	151	3	69
27-Aug	18	18	0	2,182	130	0	13
28-Aug	17	17	0	2,561	171	4	11
29-Aug	18	18	0	1,488	176	3	13

-continued-

Table 26.–Page 2 of 2.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
30-Aug	19	21	0	5,847	182	18	6
31-Aug	15	15	0	4,535	93	4	5
1-Sep	21	22	0	2,821	120	5	7
2-Sep	20	23	0	3,702	171	0	7
3-Sep	22	25	0	2,281	127	0	4
4-Sep	8	8	0	665	31	0	0
5-Sep	0	0	0	0	0	0	0
6-Sep	0	0	0	0	0	0	0
7-Sep	0	0	0	0	0	0	0
8-Sep	4	4	0	1,179	9	0	0
9-Sep	5	5	0	1,470	19	0	0
10-Sep	3	3	0	368	6	0	0
11-Sep ^b							
Total ^c	69	516	473	120,652	2,195	164	7,606

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 27.—Three Hills Section salmon harvest by species and day, 2011.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
prior to 20-Aug ^a							
20-Aug	3	3	0	565	40	6	189
21-Aug ^b							
22-Aug	4	4	0	876	77	0	10
23-Aug	3	3	0	1,447	61	12	6
24-Aug	0	0	0	0	0	0	0
25-Aug ^b							
26-Aug	4	4	0	773	28	0	4
27-Aug	6	6	0	1,083	73	0	5
28-Aug	8	8	0	1,146	70	0	3
29-Aug	4	4	1	667	36	3	4
30-Aug	3	4	0	1,234	76	2	7
31-Aug	3	3	0	1,005	56	0	0
1-Sep	3	3	0	642	57	0	0
2-Sep	4	4	0	1,051	41	0	0
3-Sep ^b							
Total ^c	14	51	1	11,189	637	23	236

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.

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

Table 28.—Ilnik Section salmon harvest by species and day, 2011.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 25-Jun ^a							
25-Jun	30	34	38	18,363	0	5	138
26-Jun	65	81	102	46,400	0	0	412
27-Jun	66	103	98	43,833	0	0	693
28-Jun	25	27	69	27,710	0	0	524
29-Jun ^a							
30-Jun	37	38	71	17,332	0	0	515
1-Jul	33	33	48	11,540	0	0	420
2-Jul	30	30	23	12,210	1	0	488
3-Jul	69	83	29	14,972	0	0	836
4-Jul	27	27	9	4,414	0	0	158
5-Jul ^a							
6-Jul	28	28	5	10,022	0	0	325
7-Jul	32	34	6	9,880	0	0	424
8-Jul	31	35	19	11,948	0	0	425
9-Jul to 10-Jul ^a							
11-Jul	35	36	7	7,215	1	0	542
12-Jul	38	43	14	16,576	0	5	950
13-Jul	65	73	9	13,763	0	3	903
14-Jul	76	81	6	10,782	0	0	1,539
15-Jul	64	65	10	9,241	2	25	892
16-Jul to 17-Jul ^a							
18-Jul	14	15	3	3,368	5	0	310
19-Jul	25	28	3	4,693	0	7	451
20-Jul	15	15	0	1,729	2	0	134
21-Jul to 19-Aug ^a							
20-Aug	4	4	0	378	79	0	106
21-Aug	4	4	0	552	76	0	21
22-Aug	0	0	0	0	0	0	0
23-Aug	3	3	0	953	39	0	33
24-Aug ^b							
25-Aug	0	0	0	0	0	0	0
26-Aug	8	8	0	1,879	141	0	8
27-Aug	3	3	0	977	29	0	1
28-Aug	0	0	0	0	0	0	0
29-Aug	4	4	0	285	14	0	0
30-Aug ^b							
31-Aug	3	3	0	1,291	26	0	4
Total^c	125	941	569	303,064	432	45	11,271

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.

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

Table 29.—Outer Port Heiden Section salmon harvest by species and day, 2011.

Catch Date	Permits	Landings	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
Prior to 23-Jun ^a							
23-Jun	75	95	191	25,565	0	0	583
24-Jun	74	95	154	37,798	0	3	547
25-Jun	51	55	79	26,694	0	0	406
26-Jun to 29-Jun ^a							
30-Jun	61	73	91	39,431	0	0	1,183
1-Jul	64	65	99	41,901	0	0	869
2-Jul	74	92	72	45,659	0	0	912
3-Jul to 5-Jul ^a							
6-Jul	80	82	10	17,522	0	2	489
7-Jul	52	65	5	31,537	0	6	607
8-Jul	72	81	22	31,178	0	5	785
9-Jul to 10-Jul ^a							
11-Jul	70	77	8	26,037	7	8	533
12-Jul	51	60	9	20,748	0	0	591
13-Jul	36	36	6	12,112	0	1	283
14-Jul to 17-Jul ^a							
18-Jul	42	42	1	5,749	1	2	295
19-Jul	29	29	6	7,887	3	3	184
20-Jul	22	22	3	5,310	0	11	141
Post 20-Jul ^a							
Total	107	969	756	375,128	11	41	8,408

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, 1975–2011.

Year	Area M							Area T						
	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum
1975	0	0	0	0	0	0	0	6	45	182	0	4,701	0	0
1976	0	0	0	0	0	0	0	10	92	1,158	333	3,897	0	73
1977	0	0	0	0	0	0	0	15	128	1,532	688	9,336	0	73
1978 ^a								26	233	6,947	315	17,581	0	202
1979 ^a								21	211	4,493	340	13,203	0	5
1980 ^a								25	269	4,073	932	24,846	1	16
1981 ^a								18	161	4,306	151	7,094	0	8
1982	0	0	0	0	0	0	0	23	281	8,427	727	17,320	0	0
1983	0	0	0	0	0	0	0	18	146	5,004	0	302	0	0
1984	0	0	0	0	0	0	0	44	380	5,133	499	39,881	22	119
1985	0	0	0	0	0	0	0	44	273	2,857	434	20,892	0	2
1986 ^a								24	162	1,141	1,366	17,341	0	32
1987 ^a								38	383	2,691	863	33,019	67	460
1988 ^a								46	407	4,936	3,155	40,956	6	2,857
1989 ^a								52	309	2,359	1,256	37,688	5	457
1990 ^a								63	407	3,707	3,557	61,654	147	231
1991	0	0	0	0	0	0	0	68	511	2,826	498	76,525	0	225
1992	0	0	0	0	0	0	0	102	578	4,899	3,433	71,359	54	598
1993	0	0	0	0	0	0	0	50	259	8,829	3,421	13,030	0	113
1994	0	0	0	0	0	0	0	77	567	8,618	2,294	103,200	44	213
1995	0	0	0	0	0	0	0	81	357	2,081	1,195	41,075	0	48
1996	4	12	8	4,045	755	1	522	33	153	593	2,833	37,829	0	19
1997	0	0	0	0	0	0	0	41	348	3,156	3,672	35,378	0	35
1998 ^a								60	354	1,430	3,348	49,893	1,478	633
1999	0	0	0	0	0	0	0	21	31	279	1,020	1,591	0	19
2000	0	0	0	0	0	0	0	27	113	0	1,173	23,620	15	0

-continued-

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
2011	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

-continued-

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	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
2011	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.

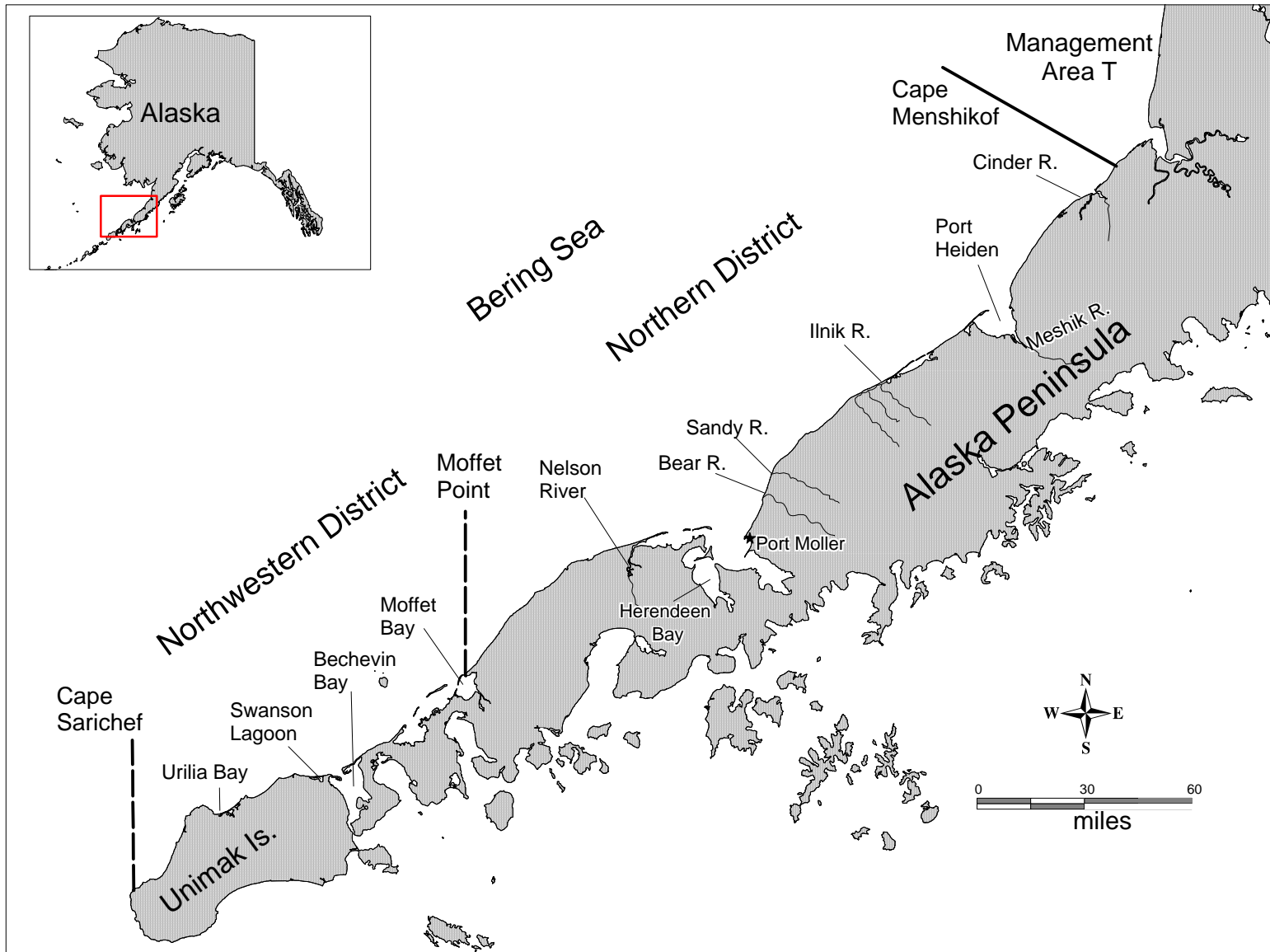


Figure 1.—Map of Alaska Peninsula with North Peninsula commercial salmon fishing districts.

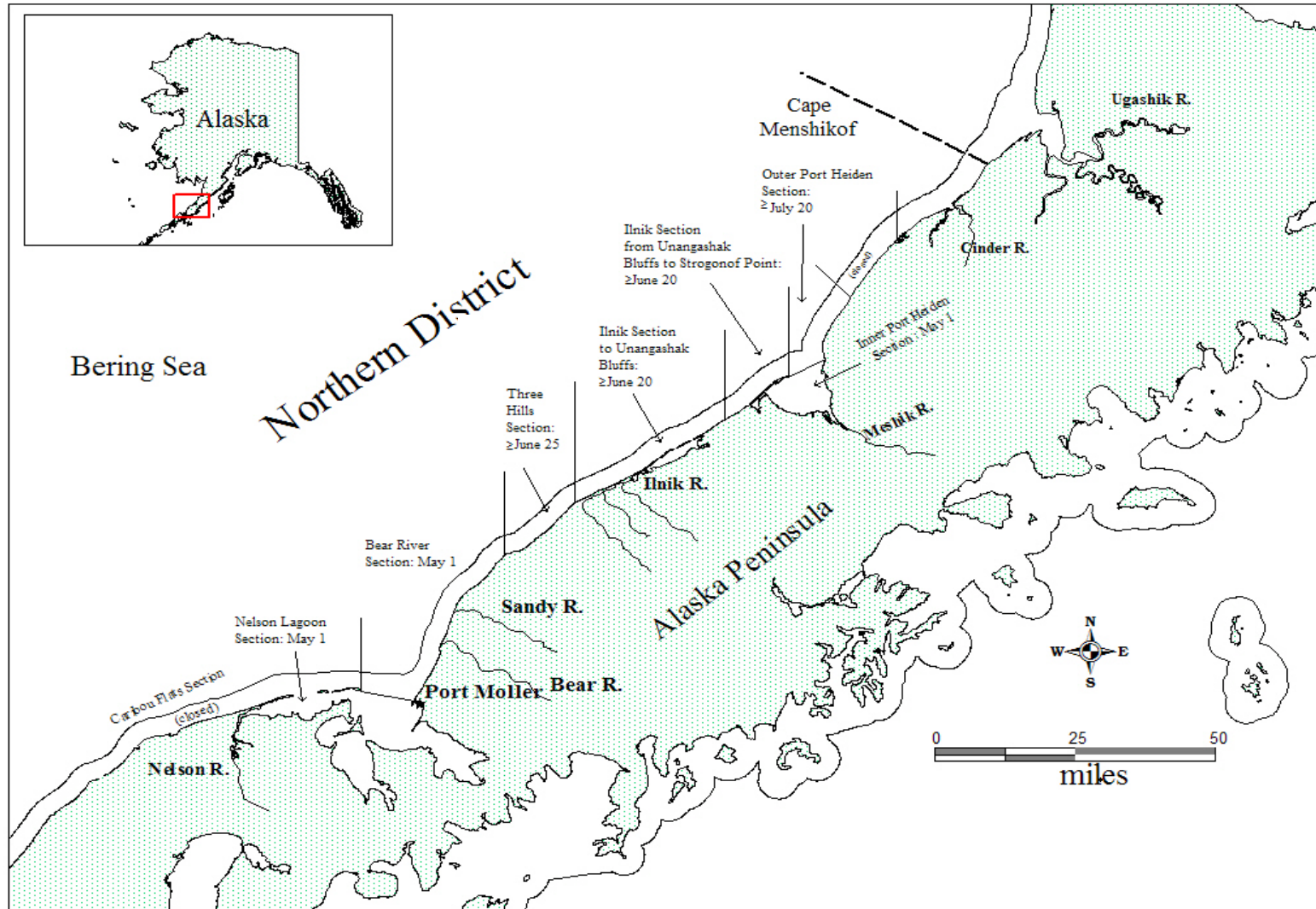


Figure 2.—North Alaska Peninsula from Nelson Lagoon to Cape Menshikof, with selected commercial salmon fishing sections, season opening dates, and major sockeye salmon systems.

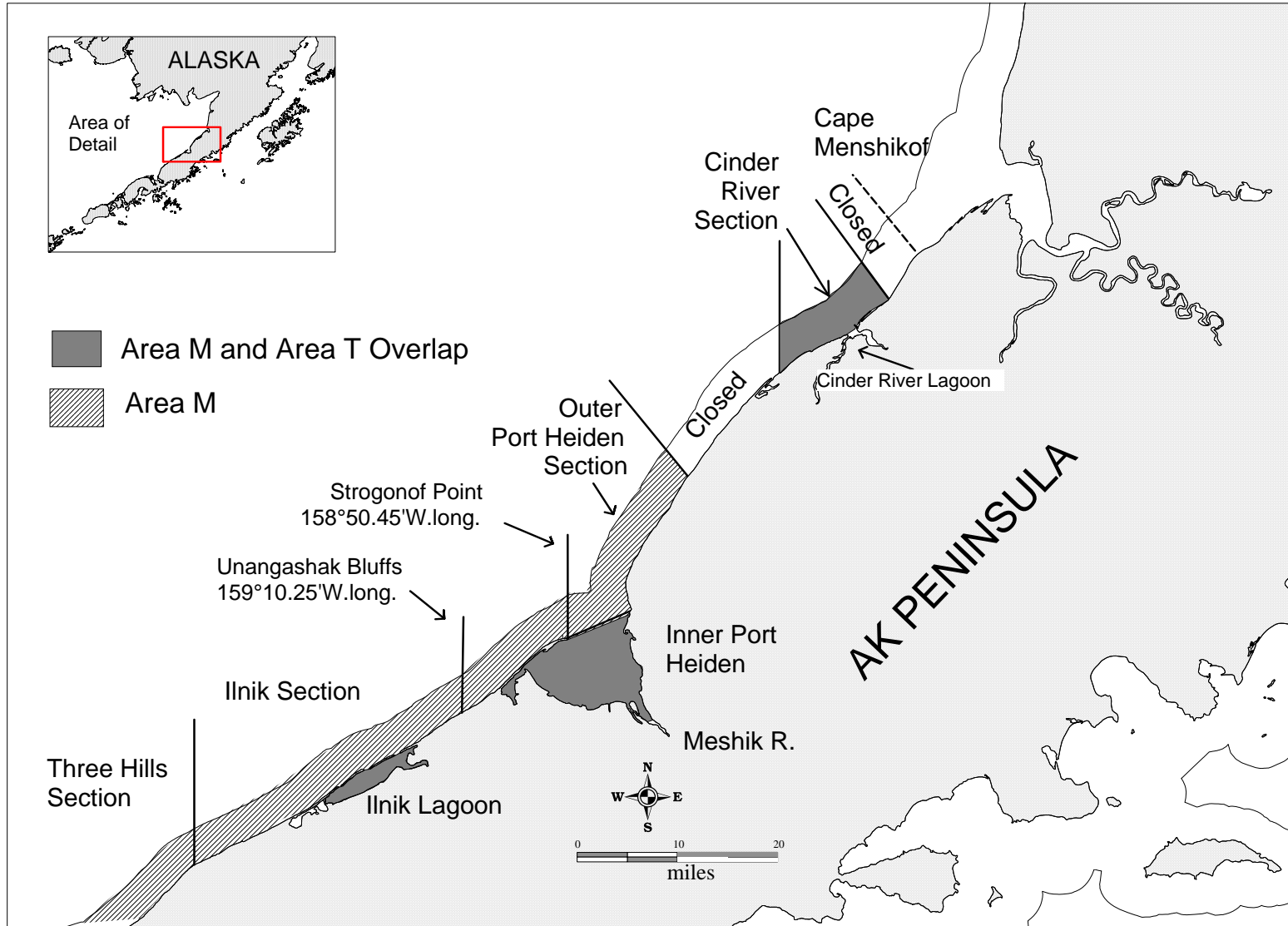


Figure 3.—Alaska Peninsula (Area M) and Bristol Bay (Area T) commercial salmon fishing overlap areas.

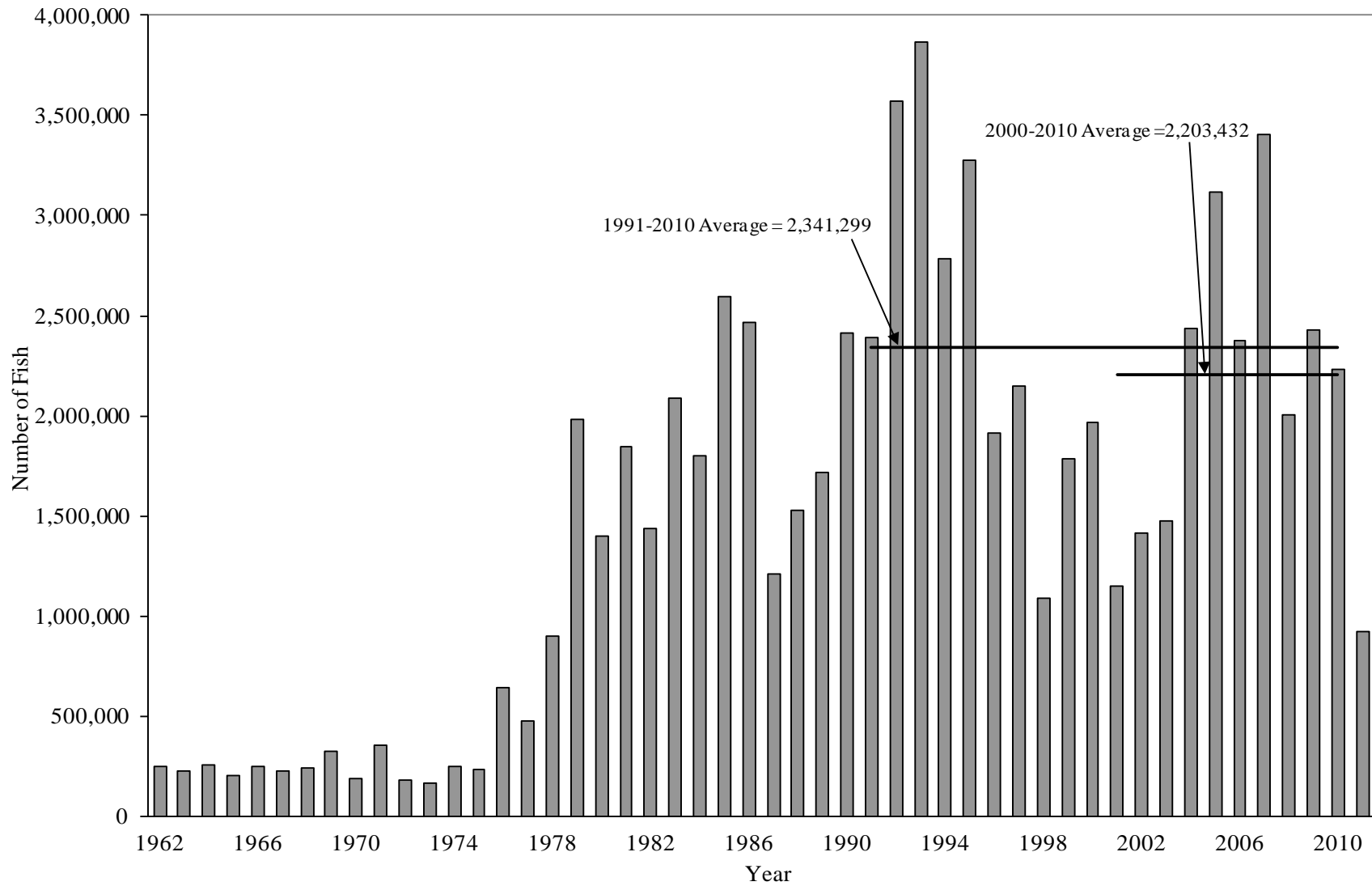


Figure 4.—North Peninsula commercial sockeye salmon harvest, 1962–2011.

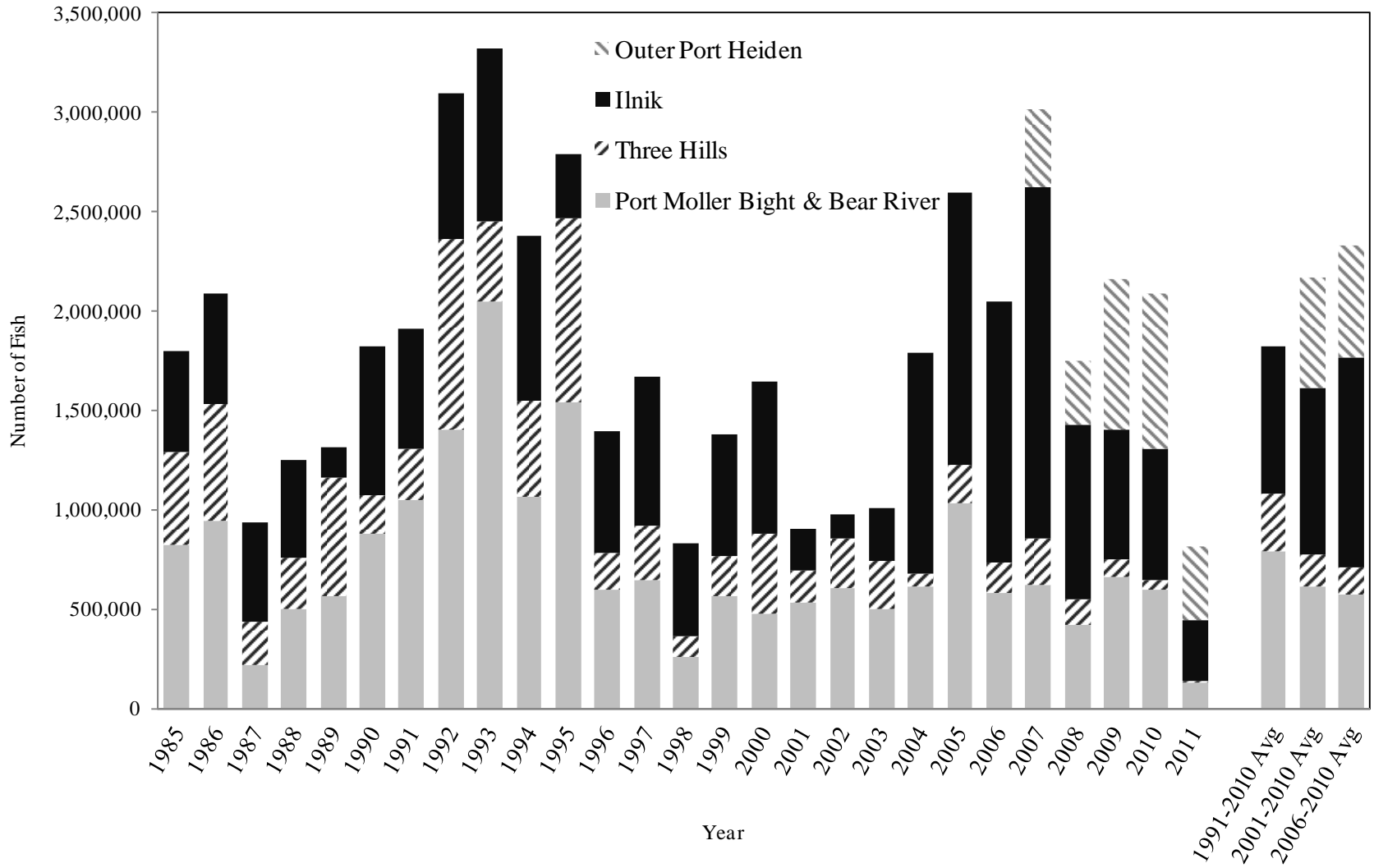


Figure 5.—Port Moller Bight, Bear River, Three Hills, Ilnik and Outer Port Heiden sections commercial sockeye salmon harvest, 1985–2011.

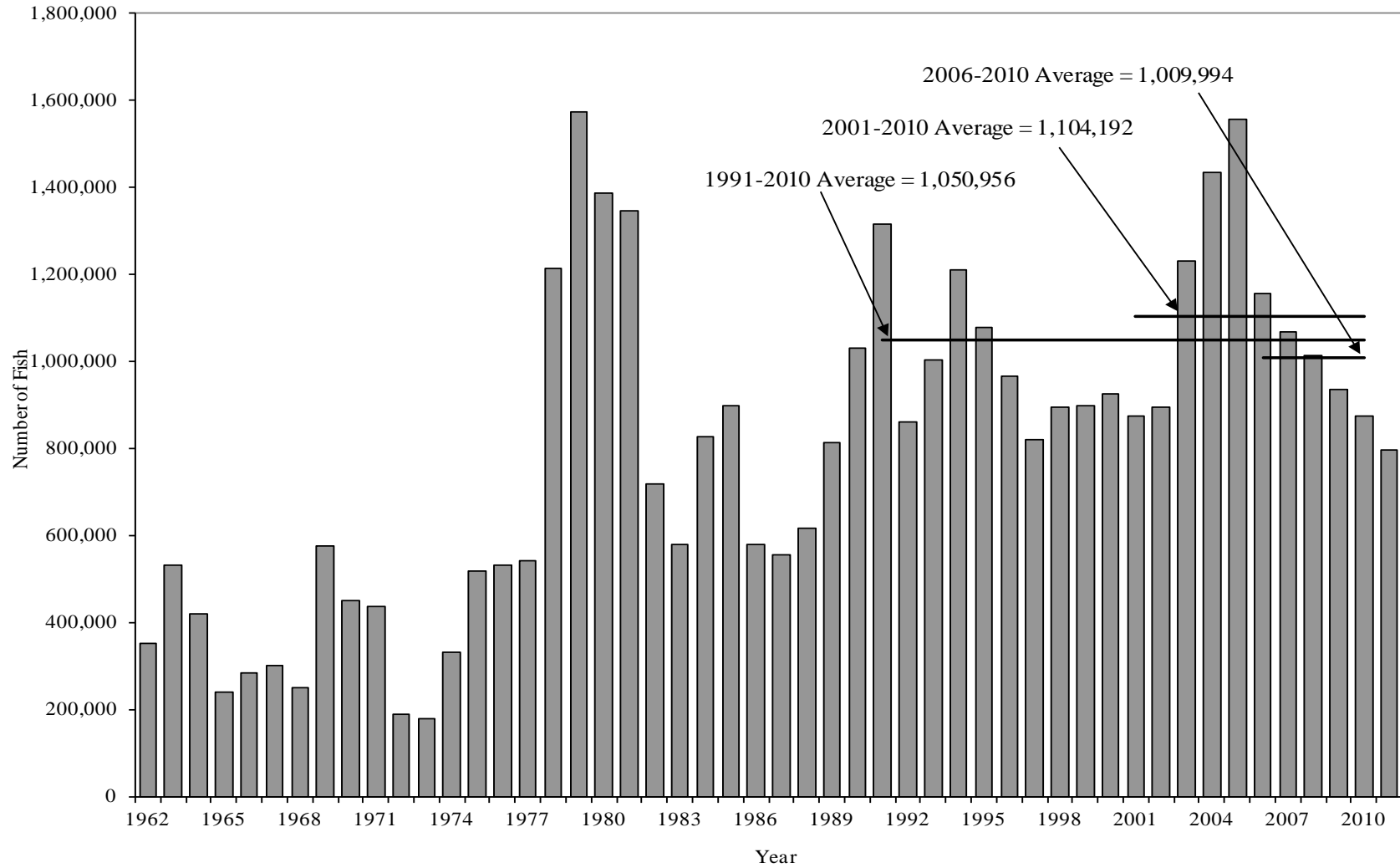


Figure 6.—North Alaska Peninsula sockeye salmon escapement, 1962–2011.

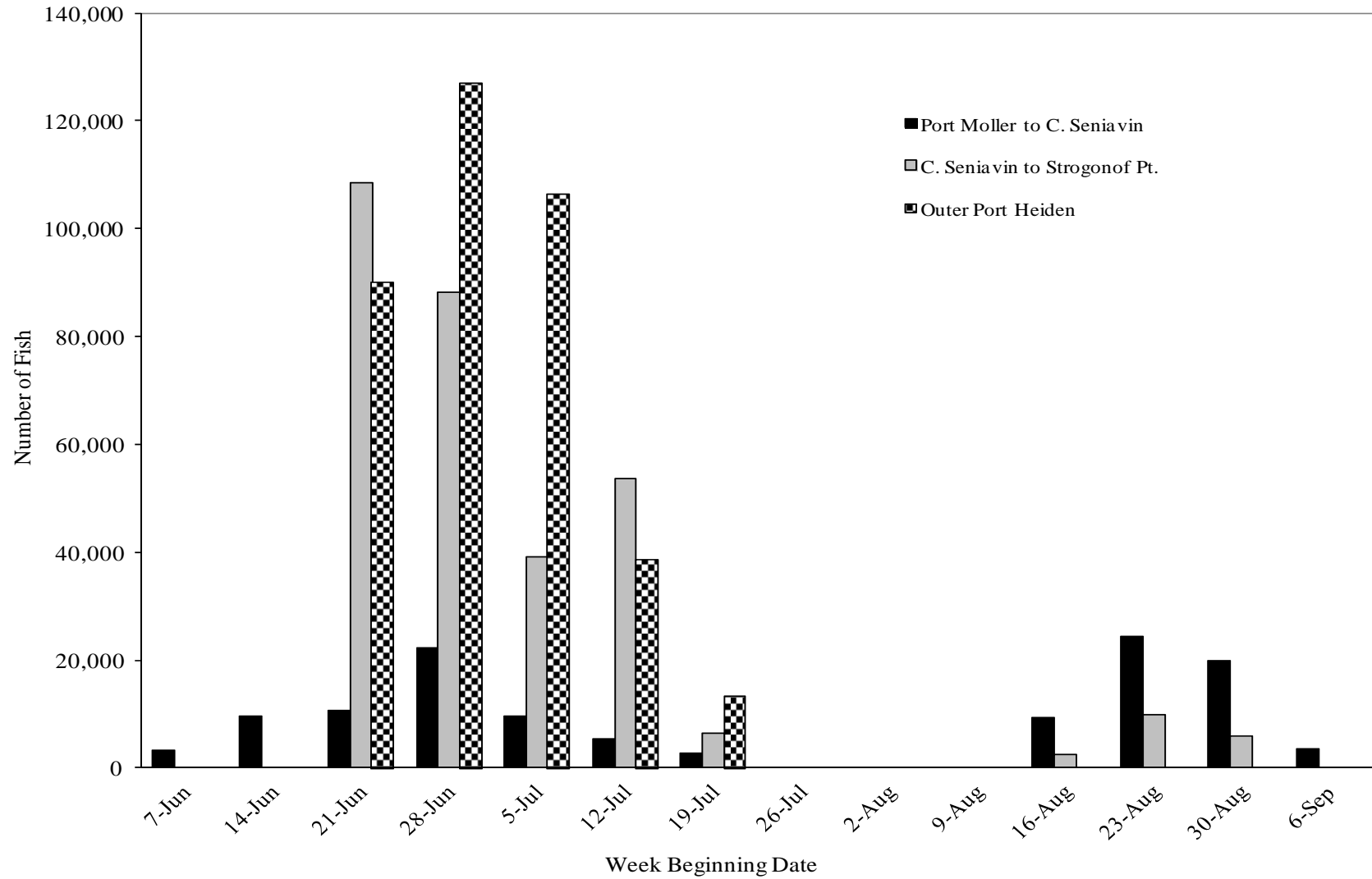


Figure 7.—Port Moller to Cape Seniavin, Cape Seniavin to Strogonof Point, and Outer Port Heiden sockeye salmon catch by week, 2011.

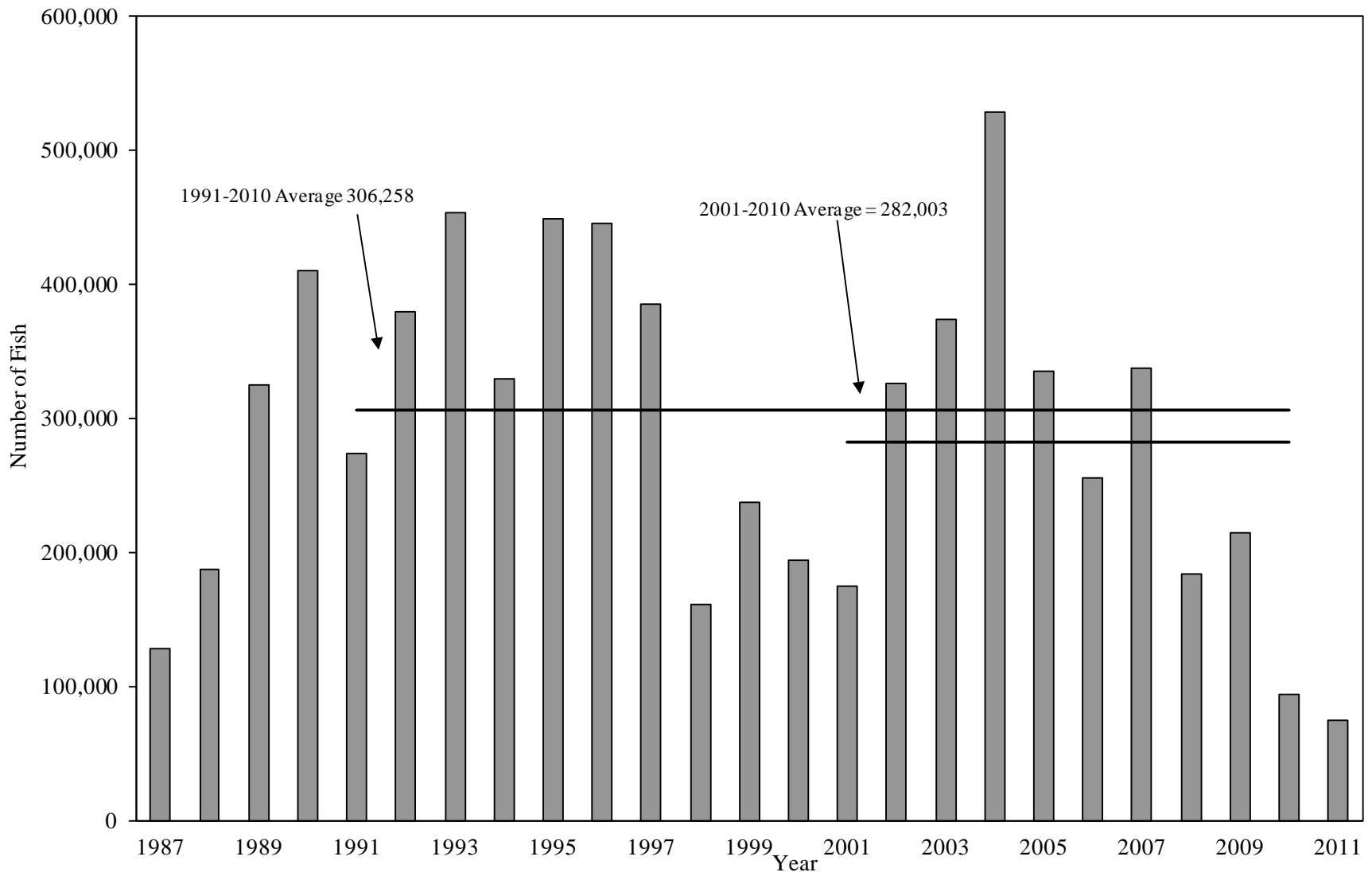


Figure 8.—Nelson Lagoon commercial sockeye salmon harvest, 1987–2011.

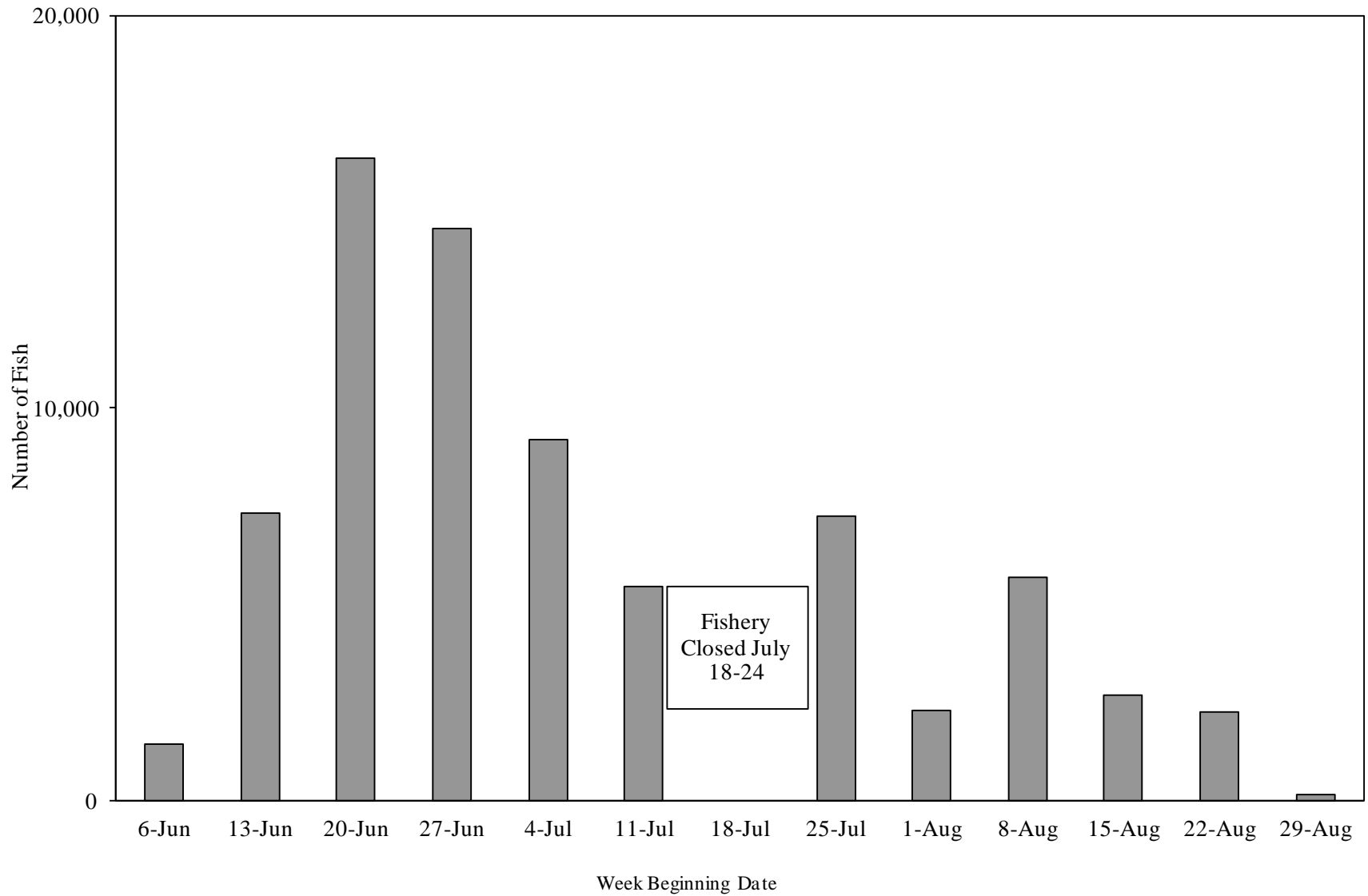


Figure 9.—Nelson Lagoon commercial sockeye salmon harvest by week, 2011.

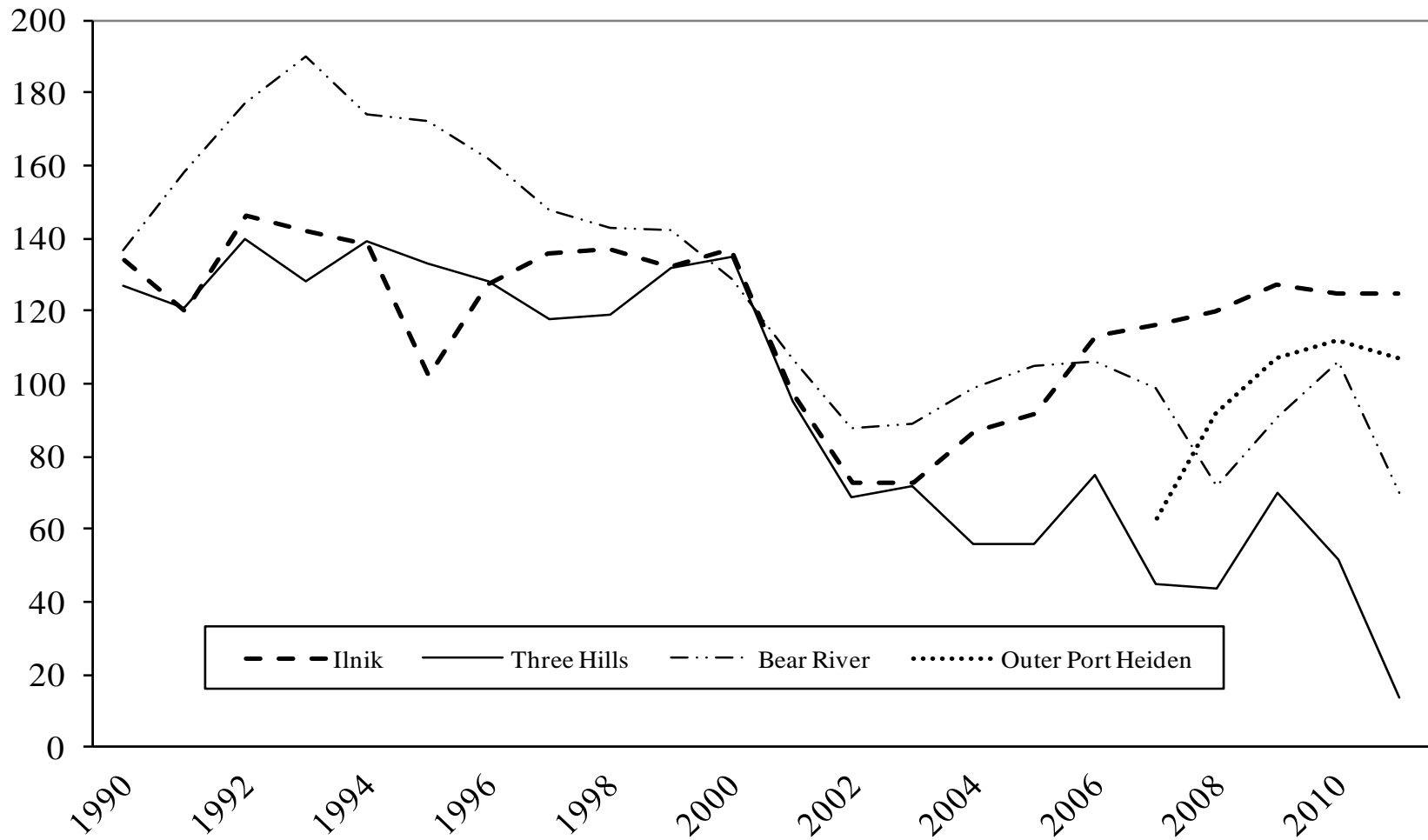


Figure 10.—Number of permits fished in the Ilnik, Three Hills, Bear River, and Outer Port Heiden sections, 1990–2011.

**APPENDIX A. NORTH ALASKA PENINSULA SALMON
ESCAPEMENT, 2011**

Appendix A1.—North Alaska Peninsula estimated total escapement for Chinook, sockeye, pink, and chum salmon, and peak escapement counts for coho salmon, 2011.

NORTHWESTERN DISTRICT		Number of salmon ^a				
Stream No.	Stream name	Chinook	Sockeye	Coho	Pink	Chum
URILIA BAY SECTION						
311-30.06	Divide Cr.					
311-30.07	Whaleback Mtn. Cr.					
311-30.08	Christianson Lgn.		35,200			
	<i>Christianson Lagoon System total</i>	0	35,200	0	0	0
311-30.09	Mudhole		2,500			
311-30.10	Clear Lgn.					
	<i>Peterson Lagoon System total</i>	0	2,500	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	37,700	0	0	0
SWANSON LAGOON SECTION						
311-50.01	Big River					
311-50.02	Swanson Lgn. System		1,000			
	Total Swanson Lagoon Section	0	1,000	0	0	0
BECHEVIN BAY SECTION						
311-60.01	St. Catherine Cove					24,200
311-60.06	Anderson's Cr.				1,900	
311-60.07 & .08	Trader's Cove				200	
311-60.12	Warm Springs Bay				100	
311-60.13	Hungry's Cr.				200	
311-60.18	Lampport Lagoon					
	Total Bechevin Bay Section	0	0	0	2,400	24,200
IZEMBEK-MOFFET BAY SECTION						
312-20.01	Norma Bay Lakes					
312-20.02	Mike's Duck Camp Cr.					1,100
312-20.03	Norma Bay, South					
312-20.04	Third Bridge Cr.					800
312-20.05	Frosty Cr.		100			1,900
312-20.06	Blue Bill Lake					
312-20.13	Outer Marker Lakes					
312-20.51	Springs S Frosty Cr.					
312-20.52	Second Bridge Cr.					
	<i>Izembek Lagoon total</i>	0	100	0	0	3,800
312-40.01	Joshua Green River		8,100	400		105,900
312-40.02	Moffet Springs Cr.		300			15,300
312-40.03	Moffet Cr.		1,700			2,200
312-40.04	Unnamed					
312-40.05	Unnamed					
	<i>Moffet Bay total</i>	0	10,100	400	0	123,400
	Total Izembek-Moffet Bay Section	0	10,200	400	0	127,200
	NORTHWESTERN DISTRICT TOTAL	0	48,900	400	2,400	151,400

-continued-

NORTHERN DISTRICT		Number of salmon ^a				
Stream No.	Stream name	Chinook	Sockeye	Coho	Pink	Chum
BLACK HILLS SECTION						
313-10.02	North Cr.	300	10,200	1,100		
313-10.05	Cathedral River					
313-10.06	Russian River			1,800	300	0
313-10.09	AMOCO Airstrip Cr.			700		500
313-10.11	Black Hills Cr.	700		2,300		1,400
313-10.14	Steelhead Cr.	300		4,600		400
313-10.15	Mainshak Cr.			500		600
Total Black Hills Section		1,300	10,200	11,000	300	2,900
NELSON LAGOON SECTION						
313-30.01	David's R. (early)		18,000			
313-30.01 &04	David's R. (late)					2,000
313-30.02	Caribou River		6,000			0
313-30.03	Nelson (Sapsuk) River	1,704	89,000	21,000	130	369
Total Nelson Lagoon Section		1,704	113,000	21,000	130	2,369
HERENDEEN-MOLLER BAY SECTION						
314-20.02	Buck Valley			200		300
314-20.03	Doe Valley			100	2,000	600
314-20.04	Deer Valley			200	3,000	5,000
314-20.05	Portage Valley					3,000
314-20.06	Grass Valley		800	400	1,000	4,000
314-20.07	Lawrence Valley			1,500		17,000
314-20.08	Mine Harbor					
314-20.09	Coal Cr.			2,100	3,500	12,000
Herendeen Bay total		0	800	4,500	9,500	41,900
314-30.04	Mud Bay, west creek			400		2,000
314-30.05	Mud Bay, east creek			150		4,000
314-30.07	Right Head Bay, south creek					300
314-30.09	Right Head Bay, north creek			3,000		4,000
314-30.10	Left Head Creek			3,600	300	6,000
Moller Bay total		0	0	7,150	300	16,300
Total Herendeen-Moller Bay Section		0	800	11,650	9,800	58,200
BEAR RIVER SECTION						
315-10.01	Frank's Lagoon			400		2,000
315-10.02	King Salmon River					
315-11.02	Bear River	350	340,000	1,400	992	124
315-12.01	Sandy River	400	37,500	5,000	21	9
Total Bear River Section		750	377,500	6,800	1,013	2,133
THREE HILLS SECTION						
316-10.01	Lime Creek		5			700
316-10.02	Mid Three Hills		1,000			2,000
316-10.04	SW Three Hills		500	300		1,000
Total Three Hills Section		0	1,505	300	0	3,700

-continued-

NORTHERN DISTRICT (continued)		Number of salmon ^a				
Stream No.	Stream name	Chinook	Sockeye	Coho	Pink	Chum
ILNIK SECTION						
316-10.05	Ocean River					
316-10.06	Willie Creek					
316-20.01	Ilnik Lagoon System		43,000	18,000	135	
316-20.04	Unangashak River			4,000		
316-20.05	East of Unangashak R.					
316-20.06	North of Unangashak R					
Total Ilnik Section		0	43,000	22,000	135	0
INNER PORT HEIDEN SECTION						
317-20.01	Unnamed, Port Heiden Area					
317-20.02	Charles Cr.					
317-20.04A & B	Red & Yellow Bluff Creeks	800	7,100			300
317-20.06	Highland Cr.		300			
West Port Heiden Bay total		800	7,400	0	0	300
317-20.07 A	Meshik River, mainstem	2,000	26,000	21,000		600
317-20.07 B	Braided Cr.	1,000	5,000			600
317-20.07 C	Landlocked Cr.	1,000	6,000			
317-20.07 D	Bluff Cr.	300	2,000			
317-20.07 E	Blue Violet Cr.	1,500	22,000			2,000
317-20.07 F	Wolf Cr.		4,000			
317-20.07 G	Meshik River, G Cr.					300
317-20.07 H	Shoe Cr.		3,000			4,000
317-20.07 J	Meshik River, J Cr.					50
317-20.07 K	Meshik River, K Cr.	800	7,000			
317-20.07 L	Meshik River, L Cr.	900	6,000			1,500
317-20.07 M	Meshik River, M Cr.					
317-20.07 N	Meshik River, N Cr.					
317-20.07 O	Plenty Bear Cr.		800			
317-20.07 O-A	Paddle Cr.		1,700			
317-20.07 P	Waterfall Cr.		300			
317-20.07 R	Rainbow Cr.		3,000			1,100
317-20.07 T	Cub Cr.					600
Meshik River total		7,500	86,800	21,000	0	10,750
317-20.08	Birthday Cr.					
317-20.09	Barabara Cr.					300
Total Inner Port Heiden Section		8,300	94,200	21,000	0	11,350
OUTER PORT HEIDEN SECTION						
318-10.01	Reindeer Cr.					1300
Total Outer Port Heiden Section		0	0	0	0	1,300

-continued-

NORTHERN DISTRICT (continued)		Number of salmon ^a				
Stream No.	Stream name	Chinook	Sockeye	Coho	Pink	Chum
CINDER RIVER SECTION						
318-20.01	SW of Mud Creek					2,000
318-20.04	Mud Cr.		11,500			
<i>SW of Cinder River total</i>		<i>0</i>	<i>11,500</i>	<i>0</i>	<i>0</i>	<i>2,000</i>
318-20.06 A	Cinder River, mainstem	1,200	94,500	14,000	3,000	4,000
318-20.06 B	Cinder River, B Cr.					
318-20.06 C	Cinder River, C Cr.					
318-20.06 D	Lava Creek	400				
318-20.06 E	High Creek					3,000
318-20.06 H	Meloy Cr.	900				1,800
318-20.06 J	Wiggly Cr.	400				3,000
318-20.06 K	Ray Cr.	300				1,200
318-20.06 L	Cinder River, L Cr.					
318-20.06 P	Cinder River, P Cr.					
<i>Cinder River total</i>		<i>3,200</i>	<i>94,500</i>	<i>14,000</i>	<i>3,000</i>	<i>13,000</i>
Total Cinder River Section		3,200	106,000	14,000	3,000	15,000
NORTHERN DISTRICT TOTAL		15,254	746,205	107,750	14,378	96,952
TOTAL NORTH PENINSULA		15,254	795,105	108,150	16,778	248,352

^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, 2011.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Christianson Lagoon, 311-3008 2011-06-21 Aaron Poetter, Matt Keyse	Stream Mouth Bay	F - -	0 0 0	650 0 0	0 0 0	0 0 0	0 0 0	
Christianson Lagoon, 311-3008 2011-07-03 Aaron Poetter, Matt Keyse	Stream Mouth Bay	G - -	0 0 0	9,700 0 0	0 0 0	0 0 0	0 0 0	
Christianson Lagoon, 311-3008 2011-07-12 Aaron Poetter, Matt Keyse	Stream Mouth Bay	F - -	0 0 0	1,200 0 0	0 0 0	0 0 0	0 0 0	Good signs water clarity bad.
Christianson Lagoon, 311-3008 2011-07-20 Matt Keyse	Stream Mouth Bay	P - -	0 0 0	720 0 0	0 0 0	0 0 0	0 0 0	A lot of runoff. Visibility very limited from runoff and flat light conditions
Christianson Lagoon, 311-3008 2011-08-10 Matt Keyse	Stream Mouth Bay	G G G	0 0 0	35,200 0 0	0 0 0	0 0 0	0 0 0	
Mud Hole, 311-3009 2011-06-21 Aaron Poetter, Matt Keyse	Stream Mouth Bay	F - -	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	No fish were observed.
Mud Hole, 311-3009 2011-07-03 Aaron Poetter, Matt Keyse	Stream Mouth Bay	G - -	0 0 0	50 0 0	0 0 0	0 0 0	0 0 0	
Mud Hole, 311-3009 2011-07-12 Aaron Poetter, Matt Keyse	Stream Mouth Bay	F - -	0 0 0	600 0 0	0 0 0	0 0 0	0 0 0	
Mud Hole, 311-3009 2011-07-20 Matt Keyse	Stream Mouth Bay	F - -	0 0 0	2,500 0 0	0 0 0	0 0 0	0 0 0	Able to view in spring spawning.

Appendix A2.–Page 2 of 19.

Stream	Date/ Observer	Location	Visibility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
Mud Hole, 311-3009	2011-08-10	Stream	G	0	8,500	0	0	0	
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
Swanson Lagoon, 311-5002	2011-06-21	Stream	G	0	0	0	0	0	No fish were observed.
	Aaron Poetter, Matt Keyse	Mouth	-	0	0	0	0	0	
		Bay	-	0	0	0	0	0	
Swanson Lagoon, 311-5002	2011-06-22	Stream	-	0	0	0	0	0	Attempted to survey Christianson Lagoon, but a bank of fog turned the aircraft around and prevented the observation.
	Aaron Poetter, Matt Keyse	Mouth	-	0	0	0	0	0	
		Bay	-	0	0	0	0	0	
Swanson Lagoon, 311-5002	2011-07-03	Stream	G	0	50	0	0	0	
	Aaron Poetter, Matt Keyse	Mouth	-	0	0	0	0	0	
		Bay	-	0	0	0	0	0	
Swanson Lagoon, 311-5002	2011-07-12	Stream	F	0	1,000	0	0	0	
	Aaron Poetter, Matt Keyse	Mouth	-	0	0	0	0	0	
		Bay	-	0	0	0	0	0	
Swanson Lagoon, 311-5002	2011-07-20	Stream	P	0	0	0	0	0	Flat light conditions and algal buildup in lagoon made visibility very limited
	Matt Keyse	Mouth	-	0	0	0	0	0	
		Bay	-	0	0	0	0	0	
Swanson Lagoon, 311-5002	2011-08-10	Stream	G	0	800	0	0	0	
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
Mike's Valley, 311-6001	2011-06-21	Stream	G	0	0	0	0	0	No fish were observed.
	Aaron Poetter, Matt Keyse	Mouth	-	0	0	0	0	0	
		Bay	-	0	0	0	0	0	
Mike's Valley, 311-6001	2011-07-03	Stream	G	0	0	0	0	4,000	
	Aaron Poetter, Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	6,000	

-continued-

Appendix A2.–Page 3 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Mike's Valley, 311-6001								
2011-07-12	Stream	G	0	0	0	0	22,000	
Aaron Poetter, Matt Keyse	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Mike's Valley, 311-6001								
2011-07-20	Stream	F	0	0	0	0	15,000	Flat light conditions made it difficult to see fish in deeper holes.
Matt Keyse	Mouth	F	0	0	0	0	0	
	Bay	F	0	0	0	0	100	
Mike's Valley, 311-6001								
2011-07-27	Stream	G	0	0	0	0	24,200	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	400	
Mike's Valley, 311-6001								
2011-08-10	Stream	G	0	0	0	0	8,000	No carcasses, a lot of bears and birds on the river.
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	
Anderson's Creek, 311-6006								
2011-07-27	Stream	G	0	0	0	400	0	
Matt Keyse	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Anderson's Creek, 311-6006								
2011-08-10	Stream	G	0	0	0	1,900	0	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	15,000	0	
Trader's Cove, 311-6008								
2011-07-27	Stream	G	0	0	0	0	0	No fish.
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	
Warm Springs Bay, 311-6012								
2011-07-27	Stream	G	0	0	0	0	0	No fish.
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	
Warm Springs Bay, 311-6012								
2011-08-10	Stream	G	0	0	0	100	0	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	

-continued-

Appendix A2.–Page 4 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Hungry's Creek, 311-6013								
2011-08-10	Stream	G	0	0	0	200	0	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	3,000	0	
Mike's Duck Camp, 312-2002								
2011-08-10	Stream	G	0	0	0	0	1,100	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	5,000	
Alligator Hole, Ctr., 312-2003								
2011-08-10	Stream	G	0	300	0	0	800	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	
Alligator Hole, East, 312-2004								
2011-08-10	Stream	G	0	0	0	0	100	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	
Frosty Creek, 312-2005								
2011-07-20	Stream	P	0	0	0	0	20	
Matt Keyse	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Frosty Creek, 312-2005								
2011-07-27	Stream	G	0	20	0	0	600	
Matt Keyse	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Frosty Creek, 312-2005								
2011-08-10	Stream	G	0	100	0	0	1,900	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	
Joshua Green River, 312-4001								
2011-06-22	Stream	G	0	20	0	0	0	
Aaron Poetter, Matt Keyse	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Joshua Green River, 312-4001								
2011-07-12	Stream	P	0	0	0	0	0	Visibility very poor. A lot of fluvial runoff.
Aaron Poetter, Matt Keyse	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Joshua Green River, 312-4001								
2011-07-20	Stream	P	0	300	0	0	0	A lot of runoff throughout the entire system. Able to see signs of fish but could not estimate numbers except for a small school that was at a spring fed trib near a confluence
Matt Keyse	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Joshua Green River, 312-4001								
2011-08-10	Stream	G	0	8,100	0	0	66,400	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	
Joshua Green River, 312-4001								
2011-09-02	Stream	G	0	1510	400	0	38,000	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	
Moffet Springs Crk, 312-4002								
2011-08-10	Stream	-	0	300	0	0	1,500	
Matt Keyse	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Moffet Creek, 312-4003								
2011-08-10	Stream	G	0	2,000	0	0	2,200	
Matt Keyse	Mouth	G	0	0	0	0	0	
	Bay	G	0	0	0	0	0	
North Creek, 313-1002								
2011-07-30	Stream	G	300	10,200	0	0	0	STREAM DISTRIBUTION: Stream A - 4,000 sockeye. Stream B - 300 Chinook and 1,200 sockeye. Stream C - 3,000 sockeye in the lake making redds. Stream D - 2,000 sockeye.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
North Creek, 313-1002								
2011-08-31	Stream	F	0	0	1,100	0	0	700 coho in D, B and C too murky, and 400 coho in A.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Cathedral River, 313-1005								
2011-07-30	Stream	P	0	0	0	0	0	Too murky to observe fish.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Cathedral River, 313-1005								
2011-08-31	Stream	P	0	0	0	0	0	Too murky to see fish.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Stream Date/Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Trader Mtn Cr. (Russian R.), 313-1006								
2011-07-30	Stream	G	0	0	0	300	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	
Trader Mtn Cr. (Russian R.), 313-1006								
2011-08-31	Stream	G	0	0	1,800	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Amoco Airstrip Creek, 313-1009								
2011-07-30	Stream	G	0	0	0	0	500	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Amoco Airstrip Creek, 313-1009								
2011-08-31	Stream	G	0	0	700	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Black Hills Creek, 313-1011								
2011-07-30	Stream	-	700	0	0	0	1,400	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Black Hills Creek, 313-1011								
2011-08-31	Stream	-	0	0	2,300	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Steelhead Creek, 313-1014								
2011-07-30	Stream	G	300	0	0	0	400	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Steelhead Creek, 313-1014								
2011-08-31	Stream	-	0	0	4,600	0	0	600 coho in North Fork, 4,000 coho in South Fork.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Mainshak Creek, 313-1015								
2011-07-30	Stream	G	0	0	0	0	600	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Mainshak Creek, 313-1015								
2011-08-31	Stream	-	0	0	500	0	0	Coho in lower river.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
David's River, 313-3001								
2011-07-30	Stream	G	0	18,000	0	0	2,000	All sockeye are many miles above cabin. Chums in lower river near Caribou River fork. Big Fish Lake is too murky to survey.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
David's River, 313-3001								
2011-09-03	Stream	F	0	0	3,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Caribou River, 313-3002								
2011-07-30	Stream	G	0	6,000	0	0	0	Most sockeye are in mid-river, not on spawning grounds yet.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sapsuk River, Branches And Lake, 313-3003								
2011-06-15	Stream	P	0	500	0	0	0	High and murky water.
Corey Litwiniak, Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sapsuk River, Branches And Lake, 313-3003								
2011-06-18	Stream	P	0	0	0	0	0	Very murky waters
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sapsuk River, Branches And Lake, 313-3003								
2011-07-02	Stream	P	0	3,000	0	0	0	DISTANCE SURVEYED: weir to Caribou River. Visibility in water is not good and most of the fish were seen within one mile of the weir.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sapsuk River, Branches And Lake, 313-3003								
2011-07-09	Stream	P	0	3,000	0	0	0	DISTANCE SURVEYED: weir to below Hoodoo Lodge under poor conditions, foggy and dark lighting.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sapsuk River, Branches And Lake, 313-3003								
2011-07-22	Stream	G	0	6,000	0	0	0	Sockeye are below the weir
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.-Page 8 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Sapsuk River, Branches And Lake, 313-3003								
2011-07-30	Stream	G	300	4,000	0	0	0	Chinook below weir site to Hoodoo Lodge.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sapsuk River, Branches And Lake, 313-3003								
2011-08-25	Stream	G	0	0	8,500	0	0	DISTANCE SURVEYED: weir to lagoon.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sapsuk River, Branches And Lake, 313-3003								
2011-08-31	Stream	E	0	0	12,000	0	0	Coho from weir to lodge- sportfishermen on river.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sapsuk River, Branches And Lake, 313-3003								
2011-09-03	Stream	F	0	0	17,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sapsuk River, Branches And Lake, 313-3003								
2011-09-08	Stream	G	0	0	21,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Buck Valley, 314-2002								
2011-07-30	Stream	G	0	0	0	0	300	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Buck Valley, 314-2002								
2011-09-08	Stream	G	0	0	200	0	0	
Bob Murphy	Mouth	G	0	0	150	0	0	
	Bay	-	0	0	0	0	0	
Doe Valley, 314-2003								
2011-07-30	Stream	G	0	0	0	0	600	
Bob Murphy	Mouth	G	0	0	0	2,000	0	
	Bay	-	0	0	0	0	0	
Doe Valley, 314-2003								
2011-09-08	Stream	G	0	0	100	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.–Page 9 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Deer Valley, 314-2004								
2011-07-30	Stream	G	0	0	0	0	5,000	
Bob Murphy	Mouth	G	0	0	0	3,000	0	
	Bay	-	0	0	0	0	0	
Deer Valley, 314-2004								
2011-09-08	Stream	G	0	0	200	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Portage Creek, 314-2005								
2011-07-30	Stream	-	0	0	0	0	0	
Bob Murphy	Mouth	G	0	0	0	0	3,000	
	Bay	-	0	0	0	0	0	
Portage Creek, 314-2005								
2011-08-10	Stream	-	0	0	0	0	0	Zero fish at mouth.
Dawn Wilburn, Bob Murphy	Mouth	G	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Portage Creek, 314-2005								
2011-09-08	Stream	G	0	0	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Grass Valley, 314-2006								
2011-07-22	Stream	G	0	400	0	0	0	Sockeye are in the lake.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Grass Valley, 314-2006								
2011-07-30	Stream	G	0	800	0	0	4,000	Chum are in the river and sockeye were observed in the lake.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Grass Valley, 314-2006								
2011-08-10	Stream	-	0	0	0	0	0	
Dawn Wilburn, Bob Murphy	Mouth	G	0	0	0	1,000	0	
	Bay	-	0	0	0	0	0	
Grass Valley, 314-2006								
2011-09-08	Stream	G	0	0	400	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

122

-continued-

Appendix A2.–Page 10 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Lawrence Valley, 314-2007								
2011-07-22	Stream	G	0	0	0	0	4,000	All chums in lower stretch of river
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Lawrence Valley, 314-2007								
2011-07-30	Stream	G	0	0	0	0	17,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Lawrence Valley, 314-2007								
2011-08-10	Stream	-	0	0	0	0	0	Zero fish at mouth.
Dawn Wilburn, Bob Murphy	Mouth	G	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Lawrence Valley, 314-2007								
2011-09-08	Stream	G	0	0	1,500	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Mine Harbor, 314-2008								
2011-07-30	Stream	G	0	0	0	0	0	Zero fish.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Mine Harbor, 314-2008								
2011-09-08	Stream	G	0	0	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Coal Creek, 314-2009								
2011-07-22	Stream	G	0	0	0	0	0	Zero fish observed.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Coal Creek, 314-2009								
2011-07-30	Stream	G	0	0	0	0	12,000	
Bob Murphy	Mouth	G	0	0	0	3,000	0	
	Bay	-	0	0	0	0	0	
Coal Creek, 314-2009								
2011-08-10	Stream	-	0	0	0	0	0	
Dawn Wilburn, Bob Murphy	Mouth	G	0	0	0	500	0	
	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.–Page 11 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Mud Bay, West Creek, 314-3004								
2011-07-30	Stream	G	0	0	0	0	2,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Mud Bay, West Creek, 314-3004								
2011-09-08	Stream	G	0	0	150	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Mud Bay, East Creek, 314-3005								
2011-07-30	Stream	G	0	0	0	0	4,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Right Head Bay, South Creek, 314-3007								
2011-07-30	Stream	G	0	0	0	0	300	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Right Head Bay, North Creek, 314-3009								
2011-07-30	Stream	G	0	0	0	0	4,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Right Head Bay, North Creek, 314-3009								
2011-09-08	Stream	G	0	0	3,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Left Head Creek, 314-3010								
2011-07-30	Stream	-	0	0	0	300	6,000	4,000 chum in river.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Left Head Creek, 314-3010								
2011-09-08	Stream	G	0	0	3,600	0	0	2,100 coho in slough, 1,500 in creek.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Frank's Lagoon, 315-1001								
2011-07-28	Stream	G	0	0	0	0	2,000	Chums in river.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.-Page 12 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Frank's Lagoon, 315-1001								
2011-09-07	Stream	G	0	0	400	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Frank's Lagoon, 315-1001								
2011-09-08	Stream	G	0	0	400	0	0	Creek is not flowing to Ocean. Must have stopped in last day or two.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
King Salmon River, 315-1002								
2011-09-07	Stream	P	0	0	0	0	0	No fish- too murky.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-06-18	Stream	F	0	2,500	0	0	0	DISTANCE SURVEYED: Mad Sow to weir.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-06-23	Stream	E	0	6,000	0	0	0	DISTANCE SURVEYED: weir to mouth. Excellent visibility for the entire river.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-07-02	Stream	G	0	3,500	0	0	0	DISTANCE SURVEYED: weir to Mad Sow. Below Mad Sow is murky, unable to see fish.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-07-10	Stream	G	0	2,500	0	0	0	DISTANCE SURVEYED: Mad Sow to weir.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-07-21	Stream	G	0	2,000	0	0	0	DISTANCE SURVEYED: weir to Mad Sow.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-07-28	Stream	G	350	3,500	0	0	0	Stream A: 3,500 sockeye between Mad Sow and weir. Stream B: 350 Chinook in Ridgerunner Creek.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.–Page 13 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Bear River, Branches And Lake, 315-1102								
2011-07-29	Stream	G	0	4,500	0	0	0	DISTANCE SURVEYED: weir to Mad Sow.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-08-03	Stream	G	0	1,200	0	0	0	DISTANCE SURVEYED: Mad Sow to weir.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-08-05	Stream	G	0	2,500	0	0	0	1,000 sockeye are holding in a large school near the forks.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-08-10	Stream	G	0	4,000	0	0	0	DISTANCE SURVEYED: weir to Mad Sow.
Dawn Wilburn, Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-08-15	Stream	G	0	2,100	0	0	0	DISTANCE SURVEYED: Branch A, Mad Sow upstream to weir.
Dawn Wilburn	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-08-16	Stream	G	0	2,900	0	0	0	DISTANCE SURVEYED: Branch A, weir downstream to Mad Sow confluence.
Dawn Wilburn	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-08-25	Stream	G	0	2,500	0	0	0	DISTANCE SURVEYED: Mad Sow to weir.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-08-30	Stream	G	0	2,200	0	0	0	DISTANCE SURVEYED: Mad Sow to weir.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bear River, Branches And Lake, 315-1102								
2011-09-07	Stream	G	0	1,400	0	0	0	From wier to Mad Sow.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.-Page 14 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Sandy River And Lake, 315-1201								
2011-07-28	Stream	G	0	3,000	0	0	0	DISTANCE SURVEYED: weir to one mile below Sandy River Lodge. River spawners.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sandy River And Lake, 315-1201								
2011-08-10	Stream	F	400	28,500	0	0	0	VISIBILITY: Some tributaries are murky as well as the mainstem. 21,000 sockeye spawning on grounds. STREAM DISTRIBUTION: About 5,000 sockeye spawning in the river above Fish and Game cabin to lodge. 400 Chinook and 2,500 sockeye from lodge to big airstrip.
Dawn Wilburn, Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sandy River And Lake, 315-1201								
2011-09-07	Stream	F	0	0	5,000	0	0	From F.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Lime Creek, 316-1001								
2011-08-10	Stream	G	0	5	0	0	700	
Dawn Wilburn, Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Unnamed, Mid Three Hills, 316-1002								
2011-08-10	Stream	G	0	1,000	0	0	2,000	
Dawn Wilburn, Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sw Three Hills, 316-1004								
2011-08-10	Stream	G	0	500	0	0	1,000	Sockeye are in the lake and chums are in the river.
Dawn Wilburn, Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sw Three Hills, 316-1004								
2011-09-07	Stream	G	0	0	300	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Ocean River, 316-1005								
2011-08-10	Stream	G	0	10,000	0	0	0	Most sockeye are near lodge and downriver.
Dawn Wilburn, Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Willie Creek, 316-1006								
2011-08-10	Stream	G	0	14,000	0	0	0	18,000 sockeye of which 4,000 are carcasses. Most of the sockeye are on the spawning grounds.
Dawn Wilburn, Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.-Page 15 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Inik River/Estuary, 316-2001								
2011-08-10	Stream	G	0	19,500	0	0	0	STREAM DISTRIBUTION: In the right fork - 4,000 sockeye. In the left fork - 15,500 sockeye.
Dawn Wilburn, Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Inik River/Estuary, 316-2001								
2011-08-25	Stream	G	0	0	4,000	0	0	DISTANCE SURVEYED: above village site to entrance of lagoon. Six sport fisherman were along the banks.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Inik River/Estuary, 316-2001								
2011-09-07	Stream	G	0	0	18,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Unangashak River, 316-2004								
2011-09-07	Stream	F	0	0	4,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Highland Creek, 317-2006								
2011-08-05	Stream	G	0	300	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Birthday Creek, 317-2008								
2011-08-05	Stream	P	0	0	0	0	0	Too murky.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Barbara Creek, 317-2009								
2011-08-05	Stream	G	0	0	0	0	300	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Red Bluff Creek, 317-204A								
2011-08-05	Stream	G	800	7,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Yellow Bluff Creek, 317-204B								
2011-08-05	Stream	G	0	100	0	0	300	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.–Page 16 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Meshik River, Mainstem, 317-207A								
2011-06-18	Stream	P	0	0	0	0	0	Too murky to survey. In addition, no subsistence nets near village.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, Mainstem, 317-207A								
2011-06-23	Stream	F	0	4,000	0	0	0	WEATHER: SE 20. Waves on river and two subsistence nets are out at Port Heiden.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, Mainstem, 317-207A								
2011-07-02	Stream	E	0	34,000	0	0	0	DISTANCE SURVEYED: Bay to roughly 12 miles above Scotty's Island. Clear water and sun.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, Mainstem, 317-207A								
2011-08-05	Stream	G	2,000	26,000	0	0	600	24,000 sockeye in river and 2,000 sockeye in the lake.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, Mainstem, 317-207A								
2011-09-07	Stream	G	0	0	21,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Braided Creek, 317-207B								
2011-08-05	Stream	G	1,000	5,000	0	0	600	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Landlocked Cr.(Hotsprings Cr.), 317-207C								
2011-08-05	Stream	G	1,000	6,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Bluff Creek, Branch Of Landlocked, 317-207D								
2011-08-05	Stream	G	300	2,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Blue Violet, Sleepy And Black Creeks , 317-207E								
2011-08-05	Stream	G	1,500	22,000	0	0	2,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.–Page 17 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Wolf Creek, 317-207F								
2011-08-05	Stream	G	0	4,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, G Creek, 317-207G								
2011-08-05	Stream	G	0	0	0	0	300	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Shoe Creek, 317-207H								
2011-08-05	Stream	G	0	3,000	0	0	4,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, J Creek, 317-207J								
2011-08-05	Stream	G	0	0	0	0	50	Zero fish in river and 50 chums at confluence.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, K Creek, 317-207K								
2011-08-05	Stream	G	800	7,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, L Creek, 317-207L								
2011-08-05	Stream	G	900	6,000	0	0	1,500	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, M Creek, 317-207M								
2011-08-05	Stream	P	0	0	0	0	0	Too murky.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meshik River, N Creek, 317-207N								
2011-08-05	Stream	P	0	0	0	0	0	Too murky.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Plenty Bear Creek, 317-207O								
2011-08-05	Stream	G	0	800	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

130

-continued-

Appendix A2.-Page 18 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Paddle Creek, 317-207OA								
2011-08-05	Stream	G	0	1,700	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Waterfall Creek, 317-207P								
2011-08-05	Stream	G	0	300	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Rainbow Creek, 317-207R								
2011-08-05	Stream	G	0	3,000	0	0	1,100	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Cub Creek, 317-207T								
2011-08-05	Stream	G	0	0	0	0	600	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Reindeer Creek, 318-1001								
2011-08-05	Stream	G	0	0	0	0	1,300	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Sw Of Mud Creek, 318-2001								
2011-08-05	Stream	P	0	0	0	0	0	Zero fish - too murky.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Mud Creek, 318-2004								
2011-08-05	Stream	G	0	11,500	0	0	2,000	STREAM DISTRIBUTION: Stream A - 9,500 sockeye and 1,200 chum. Stream B -
Bob Murphy	Mouth	-	0	0	0	0	0	2,000 sockeye and 800 chum. Stream C - zero fish.
	Bay	-	0	0	0	0	0	
Mud Creek, 318-2004								
2011-09-07	Stream	P	0	0	0	0	0	No fish observed.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Cinder River, Mainstem, 318-206A								
2011-08-05	Stream	G	1,200	38,000	0	3,000	4,000	Chinook and sockeye are far upriver and near spawning grounds.
Bob Murphy	Mouth	-	0	0	0	0	0	
Aerial Survey	Bay	-	0	0	0	0	0	

-continued-

Appendix A2.–Page 19 of 19.

Stream Date/ Observer	Location	Visibility	Species					Observer Remarks
			Chinook	Sockeye	Coho	Pink	Chum	
Cinder River, Mainstem, 318-206A								
2011-09-07	Stream	F	0	0	14,000	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Cinder River, C Creek, 318-206C								
2011-08-05	Stream	-	0	0	0	0	0	Too murky.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Lava Creek, 318-206D								
2011-08-05	Stream	G	400	36,000	0	0	0	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
High Creek, 318-206E								
2011-08-05	Stream	G	0	0	0	0	3,000	Chums are in the lower river.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Meloy Creek, 318-206H								
2011-08-05	Stream	G	900	14,000	0	0	1,800	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Wiggly Creek, 318-206J								
2011-08-05	Stream	G	400	6,000	0	0	3,000	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Ray Creek, 318-206K								
2011-08-05	Stream	G	300	500	0	0	1,200	
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Cinder River, L Creek, 318-206L								
2011-08-05	Stream	G	0	0	0	0	0	Too murky.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	
Cinder River, P Creek, 318-206P								
2011-08-05	Stream	P	0	0	0	0	0	High water, too murky.
Bob Murphy	Mouth	-	0	0	0	0	0	
	Bay	-	0	0	0	0	0	

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

**APPENDIX B. NORTH ALASKA PENINSULA TEST
FISHERY, 2011**

Appendix B1.–North Bear River test fishery results for August 2, 2011.

Date	Tuesday, August 2, 2011	ADF&G Observer	Corey Litwiniak	High Tide	12:49 PM, 8.7 ft.	
		Fishing Vessel	Betty M	Gillnet	5 inch mesh	
Location	north of Bear River	Skipper	Mike Mosich			
SET INFORMATION						
	1st	2nd	3rd	4th	5th	6th
Location Description	at Bear River church and close to the beach	½ nm off Bear River and ½ nm out	at the 1,000 yard northern regulatory marker and close to the beach	within the 1,000 yard northern regulatory marker and close to the beach	within the 1,000 yard northern regulatory marker and close to the beach	Test Fishery ended after the northern boat made five sets
GPS Latitude	56° 10.3811' N	56° 11.4951' N	56° 09.6881' N	56° 09.5511' N	56° 09.4771' N	
GPS Longitude	160° 25.8331' W	160° 25.7031' W	160° 26.3841' W	160° 26.4871' W	160° 26.5111' W	
Amount Net Used	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms	
Time						
net set, last buoy in water	11:05 AM	12:18 PM	12:56 PM	2:57 PM	3:59 PM	
started picking	11:16 AM	12:27 PM	1:55 PM	3:15 PM	4:13 PM	
net out of water	12:00 PM	12:37 PM	2:47 PM	3:51 PM	4:37 PM	
set soak time	0:55	0:19	1:51	0:54	0:38	
Species						
Sockeye	150	6	111	187	91	
Chinook	0	0	0	0	0	
Pink	0	0	2	4	1	
Chum	3	0	3	3	2	
Coho	0	0	0	0	0	
Irish Lord	0	0	0	0	3	
Capelin	0	0	1	0	0	
Irish Lord	0	0	1	0	0	
Salmon Shark	1	0	0	0	0	
Sole	1	0	0	0	0	
Starry Flounder	2	0	1	3	0	
Total soak time	4 hours 37 minutes					
Number of sets	five					
Sockeye total	545					

Appendix B2.–South Bear River test fishery results for August 2, 2011.

Date	Tuesday, August 2, 2011	ADF&G Observer	Bob Murphy	High Tide	12:49 PM, 8.7 ft.
		Fishing Vessel	Lay-N-Jay	Gillnet	5 1/8 inch mesh
Location	south of Bear River	Skipper	Gary Snarski		
SET INFORMATION					
	1st	2nd	3rd	4th	5th
Location Description	at the whale hole and on the beach	north of whale hole and on the beach	north of church and on the beach	near the church and 150 yards off the beach	Test Fishery ended after the southern boat made four sets
GPS Latitude	56° 06.89' N	56° 07.34' N	56° 09.96' N	56° 10.01' N	
GPS Longitude	160° 27.63' W	160° 27.23' W	160° 26.34' W	160° 26.31' W	
Amount Net Used	200 fathoms	200 fathoms	200 fathoms	200 fathoms	
Time					
net set, last buoy in water	10:43 AM	11:46 AM	12:58 PM	2:42 PM	
started picking	11:22 AM	12:07 PM	1:56 PM	2:49 PM	
net out of water	11:34 AM	12:28 PM	2:24 PM	3:25 PM	
set soak time	00:51	00:42	01:26	00:43	
Species					
Sockeye	11	27	102	34	
Chinook	0	0	0	0	
Pink	0	1	2	1	
Chum	7	7	6	1	
Coho	0	0	0	0	
Salmon Shark	0	0	0	2	
Sole	0	0	0	0	
Starry Flounder	0	0	0	0	
Total soak time	3 hours 42 min				
Number of sets	four				
Sockeye total	174				

Appendix B3.–North Bear River test fishery results for August 9, 2011.

Date	Tuesday, August 9, 2011	ADF&G Observer	Dawn Wilburn	High Tide Gillnet	6:30 AM, 10.1 ft.		
		Fishing Vessel	Roberta Jean		5½ inch mesh		
Location	north of Bear River	Skipper	Richard Nucci				
SET INFORMATION							
	1st	2nd	3rd	4th	5th	6th	7th
Location Description	at Bear River Church, less than ½ nm offshore	at 1,000 yard northern regulatory marker and less than ½ nm offshore	within the 1,000 yard northern regulatory marker and less than ½ nm offshore	at 1,000 yard northern regulatory marker and less than ½ nm offshore	at Whale Hole Camp and less than ½ nm offshore	¼ nm south of the mouth of Bear River and less than ½ nm offshore	at 1,000 yd. northern reg. marker and less than ½ nm offshore
GPS Latitude	56° 10.388' N	56° 09.747' N	56° 09.631' N	56° 09.750' N	56° 08.321' N	58° 08.428' N	56° 09.623' N
GPS Longitude	160° 26.230' W	160° 26.719' W	160° 26.846' W	160° 26.721' W	160° 27.647' W	160° 27.807' W	160° 26.782' W
Amount Net Used	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms
Time							
net set, last buoy							
in water	10:31 AM	11:31 AM	12:21 PM	1:18 PM	2:28 PM	3:26 PM	4:11 PM
started picking	11:00 AM	11:54 AM	12:49 PM	1:43 PM	2:39 PM	3:36 PM	5:09 PM
net out of water	11:12 AM	12:10 PM	1:04 PM	2:00 PM	3:15 PM	3:50 PM	5:46 PM
set soak time	0:41	0:39	0:43	0:42	0:47	0:24	1:35
Species							
Sockeye	0	4	1	10	120	5	96
Chinook	0	0	0	0	0	0	0
Pink	0	0	0	2	1	0	2
Chum	0	0	0	0	4	0	11
Coho	0	0	0	0	2	0	0
Irish Lord	0	0	1	1	1	0	0
Salmon Shark	0	0	0	0	0	1	0
Spiny Dog Fish	0	0	0	0	0	0	0
Starry Flounder	1	4	22	10	4	2	0
Total soak time	5 hours 31 min						
Number of sets	seven						
Sockeye total	236						

Appendix B4.-South Bear River test fishery results for August 9, 2011.

Date	Tuesday, August 9, 2011	ADF&G Observer	Bob Murphy	High Tide	6:30 AM, 10.1 ft.	
		Fishing Vessel	Viking	Gillnet	4½ inch mesh	
Location	south of Bear River	Skipper	John Ludvick			
SET INFORMATION						
	1st	2nd	3rd	4th	5th	6th
Location Description	at whale hole and on the beach	north of the whale hole and on the beach	at Whale Hole Camp and on the beach	at Whale Hole Camp and 200 yards off the beach	100 yards south of Whale Hole Camp and 200 yards off the beach	within the 1,000 yard southern regulatory marker and ¼ nm offshore
GPS Latitude	56° 07.417' N	56° 07.91' N	56° 08.206' N	56° 07.87' N	56° 08.123' N	56° 08.57' N
GPS Longitude	160° 27.457' W	160° 27.61' W	160° 27.699' W	160° 27.71' W	160° 27.765' W	160° 27.708' W
Amount Net	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms	200 fathoms
Time						
net set, last buoy in water	10:23 AM	11:20 AM	12:42 PM	2:21 PM	3:36 PM	4:35 PM
started picking	10:53 AM	11:57 AM	1:07 PM	3:14 PM	4:10 PM	5:18 PM
net out of water	11:07 AM	12:25 PM	2:01 PM	3:26 PM	4:24 PM	5:32 PM
set soak time	00:44	01:05	01:19	01:05	00:48	00:57
Species						
Sockeye	5	104	320	17	34	24
Chinook	0	0	0	0	0	0
Pink	0	1	0	2	0	0
Chum	1	2	3	1	0	2
Coho	0	2	2	0	0	0
Irish Lord	1	2	3	0	0	0
Salmon Shark	0	0	1	0	0	0
Spiny Dog Fish	3	0	0	1	0	0
Starry Flounder	2	4	3	2	3	0
Total soak	5 hours 58 min					
Number of sets	six					
Sockeye total	504					

Appendix B5.–North Bear River test fishery results for August 14, 2011.

Date	Sunday, August 14, 2011	ADF&G Observer		High Tide	11:58 AM, 8.6 ft.
		Fishing Vessel	Blue Moon	Gillnet	4 ½ inch mesh
Location	north of Bear River	Skipper	Tom Murtha		

SET INFORMATION

	1st	2nd	3rd	4th	5th
Location Description	at Bear River church and 150 feet offshore	¼ nm 1,000 yard northern Bear River regulatory marker and 70 feet offshore	0.4 nm 1,000 yard northern Bear River regulatory marker and 150 feet offshore	¼ nm south of the 1,000 yd. southern Sandy River reg. marker and 100 feet offshore	Test Fishery ended after the northern boat made four sets
GPS Latitude	56° 10.14' N	56° 09.59' N	56° 09.29' N	56° 11.92' N	
GPS Longitude	160° 25.12' W	160° 25.58' W	160° 26.67' W	160° 24.73' W	
Amount Net	200 fathoms	200 fathoms	200 fathoms	200 fathoms	
Time					
net set, last buoy in water	10:46 AM	11:34 AM	12:37 PM	1:54 PM	
started picking	11:09 AM	11:58 AM	12:56 PM	2:12 PM	
net out of water	11:21 AM	12:23 PM	1:27 PM	2:25 PM	
set soak time	0:35	0:49	0:50	0:31	
Species					
Sockeye	6	208	268	34	
Chinook	0	0	0	0	
Pink	0	5	3	2	
Chum	0	1	1	0	
Coho	0	0	1	2	
Sole	0	0	0	1	
Spiny Dog Fish	0	0	2	0	
Starry Flounder	3	2	5	3	
Total soak time	2 hours 45 min				
Number of sets	four				
Sockeye total	516				

Appendix B6.—South Bear River test fishery results for August 14, 2011.

Date	Sunday, August 14, 2011	ADF&G Observer	Dawn Wilburn	High Tide	11:58 AM, 8.6 ft.
		Fishing Vessel	Vincenza A	Gillnet	4 ½ inch mesh
Location	south of Bear River	Skipper	Pat Springer		
SET INFORMATION					
	1st	2nd	3rd	4th	5th
Location Description	at the whale hole and 150 ft. offshore	at the 1,000 yard southern regulatory marker and 200 ft. offshore	½ nm north of whale hole and less than ¼ nm offshore	2 nm south of the southern 1,000 yd. reg. marker and less than ¼ nm offshore	Test Fishery ended after the southern boat's fourth set
GPS Latitude	56° 07.491' N	56° 08.671' N	56° 07.751' N	56° 06.584' N	
GPS Longitude	160° 27.136' W	160° 27.514' W	160° 27.208' W	160° 27.816' W	
Amount Net Used	200 fathoms	200 fathoms	200 fathoms	200 fathoms	
Time					
net set, last buoy in water	10:34 AM	11:42 AM	12:59 PM	2:00 PM	
started picking	10:57 AM	11:54 AM	1:19 PM	2:15 PM	
net out of water	11:25 AM	12:30 PM	1:39 PM	2:23 PM	
set soak time	00:51	00:48	00:40	00:23	
Species					
Sockeye	178	208	55	18	
Chinook	0	0	1	0	
Pink	2	1	1	0	
Chum	5	2	1	1	
Coho	6	2	4	0	
Irish Lord	0	0	1	0	
Salmon Shark	0	0	0	2	
Sole	1	0	0	0	
Starry Flounder	4	0	6	0	
Total soak time	2 hours 42 min				
Number of sets	four				
Sockeye total	459				