

Fishery Management Report No. 12-14

**South Unimak and Shumagin Islands June Fisheries
Salmon Management Plan, 2012**

by

Aaron D. Poetter

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 Syst me International d'Unit s (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	e.g.	logarithm (natural)	ln
pound	lb	(for example)		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 sample	Var var
all atomic symbols					
alternating current	AC				
ampere	A				
calorie	cal				
direct current	DC				
hertz	Hz				
horsepower	hp				
hydrogen ion activity (negative log of)	pH				
parts per million	ppm				
parts per thousand	ppt, ‰				
volts	V				
watts	W				

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**SOUTH UNIMAK AND SHUMAGIN ISLANDS JUNE FISHERIES
SALMON MANAGEMENT PLAN, 2012**

by

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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.

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ABSTRACT

The South Unimak and Shumagin Islands June commercial salmon fisheries occur in the Alaska Peninsula Management Area (Area M) and target sockeye salmon *Oncorhynchus nerka*. The South Unimak June fishery includes the Unimak and Southwestern districts plus the Bechevin Bay, West Pavlof Bay, and East Pavlof Bay sections. The Shumagin Islands June fishery includes only the Shumagin Islands Section of the Southeastern District. The season will begin 6:00 AM June 7, consist of four 88-hour fishing periods separated by 32-hour closures, followed by a final 64-hour fishing period, and end 10:00 PM June 29. This document summarizes the strategy for management of the Alaska Peninsula June fishery and outlines the requirements of industry to participate in these fisheries in 2012.

Key words: Alaska Peninsula, Area M, Shumagin Islands, South Unimak, June fishery, commercial fisheries, sockeye salmon, *Oncorhynchus nerka*, management plan, Alaska Department of Fish and Game, Fisheries Management Report.

INTRODUCTION

This document provides commercial fishermen and processors with the Alaska Department of Fish and Game (ADF&G) harvest strategy for the South Unimak and Shumagin Islands June salmon fisheries. It also outlines the requirements of the industry to participate in these fisheries as well as how to provide information to ADF&G.

The South Unimak and Shumagin Islands June commercial salmon fisheries occur in the Alaska Peninsula Management Area (Area M) and target sockeye salmon *Oncorhynchus nerka*. The South Unimak June fishery occurs in the Unimak and Southwestern districts, plus the Bechevin Bay, and West and East Pavlof Bay sections (Figure 1). The Shumagin Islands June fishery includes the Shumagin Islands Section of the Southeastern District. During the most recent 10 years (2002–2011), the South Unimak sockeye salmon harvest averaged 597,499 fish during the June fishery (Table 1) and the Shumagin Islands sockeye salmon harvest averaged 500,366 fish (Table 2). The average June fishery sockeye salmon harvest from 2002–2011 was 1,097,865 fish (Table 3).

ANNOUNCEMENTS

Inseason announcements will be broadcast over radio station KSDP (frequency 830 AM) in Sand Point and translated over K201DA (88.1 MHz FM) in King Cove, and on VHF channels 6 and 73 daily at 9:30 AM and 5:00 PM. Recorded information may also be obtained from ADF&G in Sand Point at 907-383-2334 (383-ADFG) and Cold Bay at 907-532-2419.

HARVEST REPORTING

All buyers must report their salmon purchases daily by species (in both numbers of fish and pounds), and number of deliveries by gear type to either the ADF&G office in Sand Point or Cold Bay (5 AAC 39.130 (c)). Buyers must provide the department with catch reports by 9:30 AM the morning after purchases take place. However, earlier reporting is appreciated and helpful in conducting an orderly fishery. Contact can be made over VHF 6 and SSB 3.230 MHz. Buyers may also phone, fax, or e-mail their information to ADF&G offices in Sand Point or Cold Bay.

Sand Point Phone: 907-383-2066 Fax: 907-383-2606 E-mail: aaron.poetter@alaska.gov

aaron.tiernan@alaska.gov

Cold Bay Phone: 907-532-2419 Fax: 907-532-2470 E-mail: matthew.keyse@alaska.gov

Properly filled out fish tickets are essential to the management of these fisheries. An informational packet containing detailed instructions on filling out and submitting fish tickets is available to all fish transporters, tender operators and processor/buyers at ADF&G offices in Sand Point and Cold Bay. Fish tickets must be delivered to the ADF&G offices in Sand Point or Cold Bay (addresses listed below) within seven days of the purchase date.

Alaska Department of Fish and Game
P.O. Box 129
Sand Point, AK 99661

Alaska Department of Fish and Game
P.O. Box 50
Cold Bay, AK 99571

ALASKA BOARD OF FISHERIES REGULATION CHANGES FROM THE FEBRUARY 2010 MEETING

During the February 2010 meeting, the Alaska Board of Fisheries (BOF) made no changes to the June Management Plan (5AAC 09.365). The BOF did, however, increase the length of seine lead that can be used with set gillnet gear from 10 fathoms to 25 fathoms. This gear modification will be in effect for the entire salmon fishing season in waters within the South Alaska Peninsula management area.

2012 MANAGEMENT PLAN

The South Unimak and Shumagin Islands June Fishery Management Plan (5 AAC 09.365) is in effect from June 7 through June 29. Complete details can be found in the Alaska Peninsula commercial salmon fishing regulations available at your local ADF&G office.

The South Unimak June fishery includes the following locations (Figure 1):

- a. Unimak District as described in 5 AAC 09.200 (c),
- b. Bechevin Bay Section as described in 5 AAC 09.200 (b)(2),
- c. Southwestern District as described in 5 AAC 09.200 (d), and
- d. West Pavlof and East Pavlof Bay sections of the South Central District as described in 5 AAC 09.200 (e)(1) and (2).

The Shumagin Islands fishery includes the Shumagin Islands Section of the Southeastern District (Figure 1) as described in 5 AAC 09.200 (f)(3).

Fishing periods for the 2012 June fishery will be as follows (Figure 2):

<u>Dates and Times</u>	<u>Duration</u>
6:00 AM Thursday, June 7 until 10:00 PM Sunday, June 10	88 hours
6:00 AM Tuesday, June 12 until 10:00 PM Friday, June 15	88 hours
6:00 AM Sunday, June 17 until 10:00 PM Wednesday, June 20	88 hours
6:00 AM Friday, June 22 until 10:00 PM Monday, June 25	88 hours
6:00 AM Wednesday, June 27 until 10:00 PM Friday, June 29	64 hours

Fishermen should be aware that waters closed to commercial salmon fishing, as specified under 5 AAC 09.350, are in effect during June.

Latitude and longitude coordinates in the Alaska Peninsula Management Area will be determined and enforced using the Global Positioning System (GPS; North American Datum of 1983).

Gillnet fishermen are reminded that the South Unimak and Shumagin Islands June fisheries are the only fisheries in the South Peninsula that have no minimum gillnet mesh size restrictions.

TABLES AND FIGURES

Table 1.—Number of salmon commercially harvested in the South Unimak June fishery, by species, from 2002–2011.

Year	Number of Fish ^a					Total
	Chinook	Sockeye	Coho	Pink	Chum	
2002	433	356,157	3	33,789	201,211	591,593
2003	373	335,903	14	90,161	121,169	547,620
2004	670	531,955	159	78,808	130,626	742,218
2005	790	437,443	56	403,815	143,799	985,903
2006	1,472	491,053	432	186,096	96,016	775,069
2007	976	737,642	151	57,032	153,334	949,135
2008	1,317	1,064,570	152	800,265	284,449	2,150,753
2009	1,394	595,221	6	946,823	200,783	1,744,227
2010	1,474	487,880	1	190,649	100,427	780,431
2011	2,257	937,168	17	475,289	231,081	1,645,812
2002-2011						
Average	1,116	597,499	99	326,273	166,290	1,091,276

^a Numbers of salmon do not include test fish catches.

Table 2.—Number of salmon commercially harvested in the Shumagin Islands June fishery, by species, from 2002–2011.

Year	Number of Fish ^a					Total
	Chinook	Sockeye	Coho	Pink	Chum	
2002	2,010	234,949	1	42,462	177,606	457,028
2003	950	117,244	139	127,739	161,269	407,341
2004	3,753	816,118	462	281,108	351,683	1,453,124
2005	2,265	566,952	1,863	1,251,144	284,031	2,106,255
2006	3,025	441,238	2,197	1,146,223	203,811	1,796,494
2007	3,660	852,198	1,482	210,496	144,205	1,212,041
2008	1,640	649,005	26	1,171,003	126,483	1,948,157
2009	2,442	572,697	197	1,301,732	495,992	2,373,060
2010	1,644	330,985	26	141,786	171,273	645,714
2011	1,207	422,273	107	247,846	192,254	863,687
2002-2011						
Average	2,260	500,366	650	592,154	230,861	1,326,290

^a Numbers of salmon do not include test fish catches.

Table 3.–Number of salmon commercially harvested in the South Unimak and Shumagin Islands June fisheries, by species, from 2002–2011.

Year	Number of Fish ^a					Total
	Chinook	Sockeye	Coho	Pink	Chum	
2002	2,443	591,106	4	76,251	378,817	1,048,621
2003	1,323	453,147	153	217,900	282,438	954,961
2004	4,423	1,348,073	621	359,916	482,309	2,195,342
2005	3,055	1,004,395	1,919	1,654,959	427,830	3,092,158
2006	4,497	932,291	2,629	1,332,319	299,827	2,571,563
2007	4,636	1,589,840	1,633	267,528	297,539	2,161,176
2008	2,957	1,713,575	178	1,971,268	410,932	4,098,910
2009	3,836	1,167,918	203	2,248,555	696,775	4,117,287
2010	3,118	818,865	27	332,435	271,700	1,426,145
2011	3,464	1,359,441	124	723,135	423,335	2,509,499
2002-2011						
Average	3,375	1,097,865	749	918,427	397,150	2,417,566

^a Numbers of salmon do not include test fish catches.

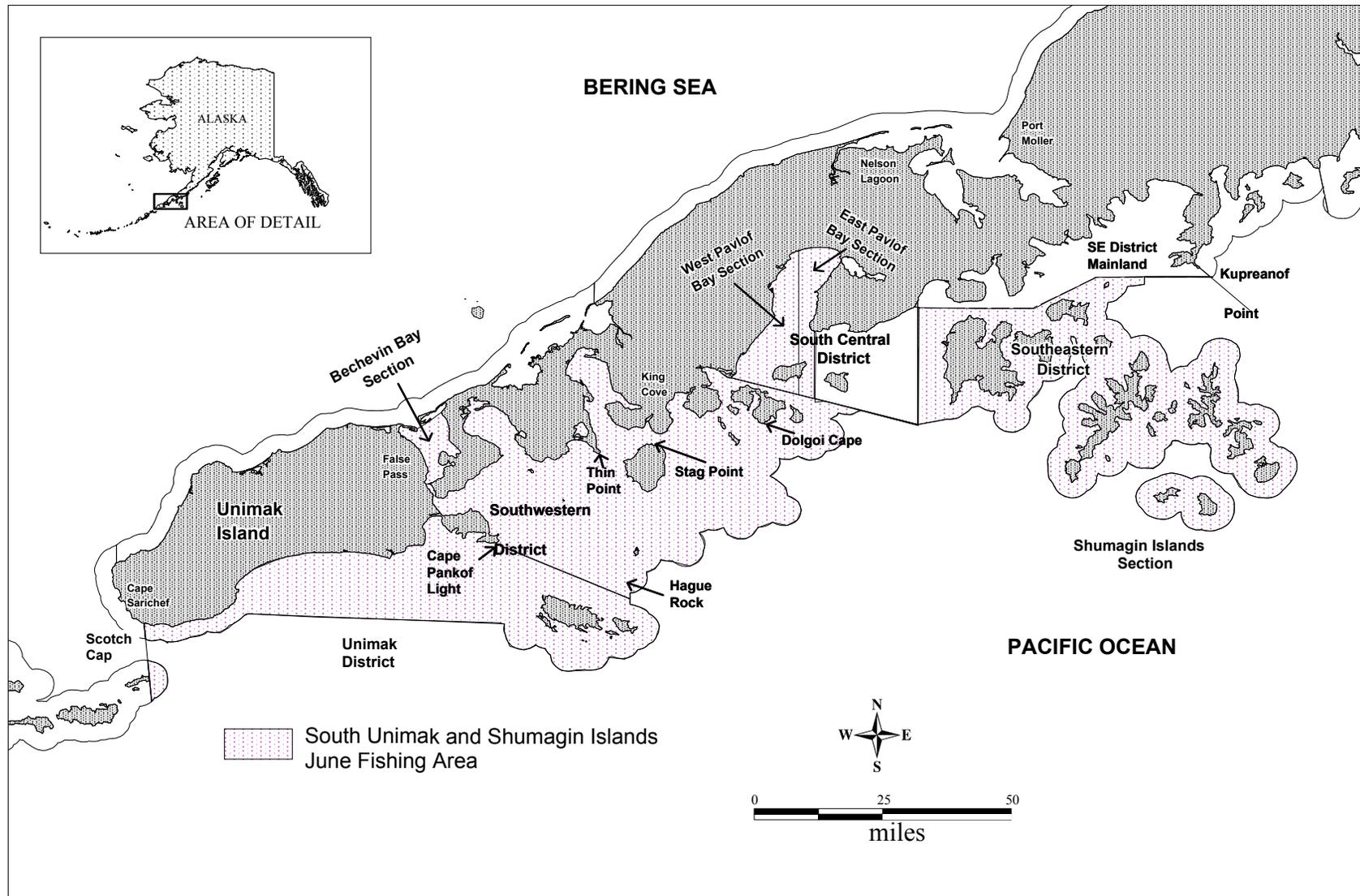


Figure 1.—Map depicting the locations of the South Unimak and Shumagin Islands June fisheries.

June						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Notes: All fishing periods start at 6:00 AM and end at 10:00 PM. All closures between fishing periods are for 32 hours.					1	2
3	4	5	6	7	8	9
				6:00 AM	Open 88 hours	
10	11	12	13	14	15	16
10:00 PM		6:00 AM	Open 88 hours			10:00 PM
17	18	19	20	21	22	23
6:00 AM	Open 88 hours			10:00 PM	6:00 AM	
24	25	26	27	28	29	30
Open 88 hours		10:00 PM	6:00 AM	Open 64 hours		10:00 PM

Figure 2.—Fishing time in South Unimak and Shumagin Islands June fisheries, 2012.