

Regional Operational Plan SF.2A.2013.15

Beluga Personal Use Operations for 2013 -2015

by

Samantha Oslund

June 2013

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

REGIONAL OPERATIONAL PLAN SF.4A.2013.15

BELUGA PERSONAL USE OPERATIONS FOR 2013-2015

by

Samantha Oslund

Alaska Department of Fish and Game, Sport Fish, Palmer

Alaska Department of Fish and Game
Sport Fish

June 2013

The Regional Operational Plan Series was established in 2012 to archive and provide public access to operational plans for fisheries projects of the Divisions of Commercial Fisheries and Sport Fish, as per joint-divisional Operational Planning Policy. Documents in this series are planning documents that may contain raw data, preliminary data analyses and results, and describe operational aspects of fisheries projects that may not actually be implemented. All documents in this series are subject to a technical review process and receive varying degrees of regional, divisional, and biometric approval, but do not generally receive editorial review. Results from the implementation of the operational plan described in this series may be subsequently finalized and published in a different department reporting series or in the formal literature. Please contact the author if you have any questions regarding the information provided in this plan. Regional Operational Plans are available on the Internet at: <http://www.adfg.alaska.gov/sf/publications/>

*Samantha Oslund,
Alaska Department of Fish and Game, Sport Fish
1800 Glenn HWY, Suite 2, Palmer, Alaska*

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

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Signature Page

Project Title: Beluga Personal Use Operations for 2013-2015

Project leader(s): *Samantha Oslund, Fisheries Biologist II*

Division, Region and Area Sport Fish, Region II, Palmer

Project Nomenclature:

Period Covered 2013-2015

Field Dates: July 10 – August 31

Plan Type: Category I

Approval

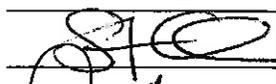
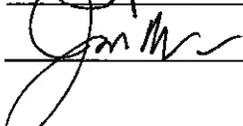
Title	Name	Signature	Date
Project leader	<i>Samantha Oslund</i>		<i>10-19-13</i>
Research Coordinator	<i>Jack Erickson</i>		<i>6-17-2013</i>

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PURPOSE

The Beluga personal use fishery will provide opportunity for elderly residents to harvest on a sustainable yield basis, chum, pink, coho and sockeye salmon for their own personal use from the Beluga River.

The Beluga River is located on the Westside of Cook Inlet. The legal fishing area is from a marker located ¼ mile upstream of the Pan Am Road Bridge downstream to an ADF&G regulatory marker located approximately 1 mile below the bridge.

During the 2008 Upper Cook Inlet Board of Fisheries (BOF) the BOF supported a proposal to create a personal use (PU) fishery in the Beluga area for elderly residents. This fishery was predicated on the loss of fishing opportunity in the Beluga area as a result of pike predation on sockeye salmon in Three Mile Creek, lack of access to area fisheries, and poor Chinook salmon returns to West Cook Inlet streams. The intent of personal use fishing regulations are to permit the taking of fish, when that take does not jeopardize the sustained yield of the resource and does not negatively impact an existing resource use, or is in broad public interest (Alaska Administrative Code 5 AAC 77.001). During the 2012 season a total of seven (7) Beluga personal use fish permits were issued, four of which were fished (Table 1). Three of the permits were fished from a boat while one was fished from the bank. Of the four permits that were fished, a total of 32 salmon were taken, fourteen were coho salmon, and eighteen were sockeye salmon. Permit holders dipping from boats appeared to be much more successful than those dipping from the stream banks.

OBJECTIVES

The objectives of this project are to:

1. Quantify participation and fishing effort of this fishery.
2. Document the harvest of pink, chum, coho, and sockeye salmon harvest in the Beluga River fishery.

Based on number of permits issued 2012, we will print 50 PU permits for the 2013-2015 seasons (Appendix A) and distribute them from the Palmer Office so that elderly Alaskan residents may participate in the Beluga River PU fishery. Palmer staff will also visit Beluga prior to the season and issue permits to those residents that are not able to travel to the Palmer Office.

METHODS

Permits for the Beluga PU fishery will only be issued from the Palmer Office. All Alaskan residents that are 60 years of age and older with a valid PID or Alaska resident sport fishing license qualify to receive a permit. This permit is only valid for the Beluga area. If a permit holder wishes to participate in another Cook Inlet PU fishery, he or she must obtain the appropriate permit for that particular PU fishery.

Legal gear will consist of a dipnet as specified under 5 AAC 39.105(d) (24). As this PU opportunity was created solely for elderly residents to participate, proxy fishing will not be allowed. Several changes to this fishery occurred during the 2011 board meeting. The area open to dipnetting was

extended upstream of the bridge by ¼ mile; the area open is now from a department marker located ¼ mile upstream of the bridge, downstream a distance of 1 mile below the bridge to another marker. The Beluga PU fishery commences on July 10th and continues through August 31st or until 500 salmon are taken. Formally the fishery began July 20. Once it is determined that 500 salmon have been harvested the fishery will close by emergency order (EO). As it is expected that the participation in the fishery will be low (5-10 participants), an attempt will be made to contact each permittee to notify them that the fishery has been closed by EO when the harvest cap of 500 has been met.

Dipnetting will be allowed 24 hours per day. Participants must have either a PID or a valid Alaskan fishing license and this permit with them while fishing. Tips of the tails must be removed and harvest must be recorded immediately, which for personal use, means prior to leaving the fishing site or concealing the fish from view. One Chinook salmon may be retained; all additional Chinook salmon caught must be released immediately. This permit is only good for the Beluga River and does not allow the permittee to participate in any other Alaska PU fishery. A permit holder may obtain their annual limit of 25 salmon per head of household and 10 additional salmon per listed dependent.

All permit holders will be required to record their participation and harvest by species and day on the permit. All participants shall report their catch via e-mail (Samantha.oslund@alaska.gov), phone (746-6300), or by mail weekly with the number of fish caught by species and date fished to the Palmer Area Office (Alaska Department of Fish and Game, Division of Sport Fish, 1800 Glenn Highway, Suite 2, Palmer Alaska 99645). A weekly period as defined by this permit is from Sunday morning at 00:01 a.m. through Saturday night midnight and weekly reports must be received by the Palmer office no later than 5 p.m. on Friday afternoon. Permit holders will report all fishing activity by their household on the permit, including dates fished and salmon harvested by species. A check box is also provided for households that did not participate. All permits shall be returned to the Department of Fish and Game's Palmer Office either by hand-delivery or by attaching postage and mailing it to the address printed on the back of the permit by the date indicated on the permit (October 1, 2013) regardless of whether or not the permit was used. If it is determined that a permittee fails to comply with reporting requirements or any other stipulations that are listed on the permit then the noncompliant permittee will be subject to a fine and loss of future dipnetting privileges. Harvest information by species and date will be compiled and included annually in a tabular form in the Northern and Western Cook Inlet Area Management Report. This information will be used to monitor harvest to ensure that Beluga River salmon stocks are managed on a sustained yield basis. All permit holders that have not returned permits will be called or e-mailed to collect delinquent harvest data.

SCHEDULE AND DELIVERABLES

Harvest and fishing effort information will be analyzed and recorded into tabular form and included annually in the Area Management Report for Northern and Western Cook Inlet and used to manage Beluga River salmon stock on a sustained yield basis.

RESPONSIBILITIES

List of Personnel and Duties:

Fishery Biologist II Oversees project by writing operational plan, oversees daily reporting and summarization of data, authors Area Management Report. Provides inseason data to appropriate personnel.

Office Assistant Collects data via phone messages or weekly mail and summarizes data into spreadsheets.

Table 1.–Harvest of salmon at the Beluga River personal use fishery during 2013.

Permit #	Permit not returned	Dates fished	Did not fish	Boat	Shore	(Red) Sockeye	Chum	(Silver) Coho	Pink	Total fish caught
1		7/10			X	2				2
1		7/14			X			2		2
2			X							0
3		7/19		X		0				0
3		7/21		X		0				0
4			X							0
5		NA		X		7		5		12
16			X							0
17				X		9		7		16
Total			3	4	2	18	0	14	0	32

**APPENDIX A. BELUGA PERSONAL USE
FISHING PERMIT 2013**

ADF&G Copy

Permit Number: **13-**

2013 Beluga River Senior Personal Use Salmon Fishery																							
Last Name				First Name				Middle Initial															
Mailing Address																							
City			State		Zip Code			Beluga Resident <input type="checkbox"/> Yes <input type="checkbox"/> No															
Phone Number: (907)																							
Total Number of Household Members:		Total Household Salmon Harvest Limit:		You are allowed 25 salmon for the head-of-household, and 10 salmon for each additional household member, of which only one may be a King. This is your salmon limit for the entire 2013 season.																			
2013 Alaska Resident Fishing License Number:													Alaska Driver's License Number:										
<p>I have read and understand the permit requirements (listed on the back). I agree to <u>call in and report my weekly harvests by 5:00 pm on Fridays during the fishery (907-746-6300)</u> and return this permit to the Alaska Department of Fish and Game by October 1, 2013. Failure to return this permit is a violation of 5 AAC 77.015(c) and subject to a \$200 fine and loss of your future personal use fishing privileges.</p>																							
Permit Holder Signature										(Your name and address are subject to disclosure)			Date										
ADF&G Employee Signature																							

Permit Number: **13-**

2013 Beluga River Senior Personal Use Salmon Fishery

★ TIPS OF THE TAILS MUST BE REMOVED AND SALMON HARVEST MUST BE RECORDED IMMEDIATELY; WHICH, FOR PERSONAL USE FISHING, MEANS PRIOR TO LEAVING THE FISHING SITE OR CONCEALING THE FISH FROM VIEW.

Last Name		First Name		Middle Initial
Names of Other Household Members				
Total Number of Household Members:		Total Household Salmon Harvest Limit:	You are allowed 25 salmon for the head-of-household, and 10 salmon for each additional household member. This is your salmon limit for the entire 2013 season. One King salmon may be harvested in this fishery.	

This permit is for dip netting at the mouth of the Beluga River in 2013 for Alaskans who are 60 years of age or older. The legal fishing area by shore or boat is from an ADF&G regulatory marker located ¼ mile upstream of the bridge downstream to an ADF&G regulatory marker located approximately 1 mile below the bridge. The fishing season runs from July 10th – August 31st, but the fishery will close by emergency order when 500 salmon have been harvested. Proxies are not allowed. You must have this permit with you while fishing, and you must record your harvest before you leave the fishing site.

Check this box if no one in your household fished <input type="checkbox"/>						
Report <u>each</u> day and location you fished, record your catch, even if you did not catch anything.						
LOCATION FISHED (CHECK ONE)			HARVEST BY SPECIES (<i>All King salmon must be released</i>)			
	BOAT	SHORE	RED	CHUM	coho	PINK
M / Day	<input type="checkbox"/>	<input type="checkbox"/>				
M / Day	<input type="checkbox"/>	<input type="checkbox"/>				
M / Day	<input type="checkbox"/>	<input type="checkbox"/>				
M / Day	<input type="checkbox"/>	<input type="checkbox"/>				
REPORT YOUR HARVEST WEEKLY BY CALLING 907-746-6300.						
Return this permit to Fish and Game by October 1, 2013.						
You must return your permit even if you did not fish.						

Permit Requirements

1. Applicant must be an **Alaska Resident**.
2. Applicant must have a valid **2013** Alaska resident **Sport Fishing License** or possess an ADF&G Permanent Identification card (PID – a permanent sport fishing, hunting, trapping license) or Disabled Alaska Veterans (DAV).
3. Only **ONE** permit per household is allowed.
4. Harvest **MUST** be reported weekly by calling 907-746-6300. Permits **MUST** be returned to Fish and Game by **October 1, 2013**, even if the permit holder did not fish. Failure to return this permit is a violation and subject to a \$200 fine and loss of future personal use fishing privileges

SPECIAL INSTRUCTIONS TO THE VENDOR:

All unissued permits and all vendor copies of permits must be **returned** after the fishery closes or by **October 1, 2013**.

Send these to:

State of Alaska – Department of Fish & Game
 Personal Use Salmon Permits
 1800 Glenn Highway, Suite 4.

To Issue a Permit

Ask to see the applicant's **2013** Alaska sport fishing license or PID or DAV.

1. Write the **license number** in the space provided on the top of the form.
2. Have the **applicant** fill out his/her name, address, and driver's license number on the top and bottom of the form, including names of other household members.
3. A household is allowed 25 salmon for the head-of-household and 10 salmon for each additional household member. No King salmon may be retained in this fishery.
4. **Vendor** must determine the total number of **household members** and the **total salmon harvest limit**, and write it in the spaces provided on the top and bottom portion of the form.
5. Applicant must **sign and date** the top portion. The Vendor must also sign and provide their vendor number.
6. The **Vendor** returns the **Top** portion to Fish and Game, and the applicant gets the **Bottom**.
7. **Vendor** is responsible for verifying that **ALL** the identifying information on the top and bottom of the form is complete. Do **NOT** leave any **BLANK** spaces.
8. **Do Not** allow people to walk out with blank permits.

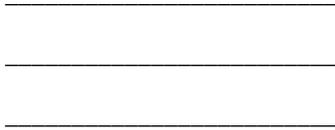
-continued-

Palmer, AK 99645-6736

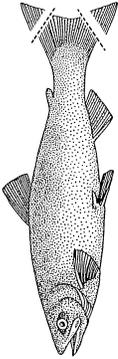
Additional Questions?

Call the Palmer Fish and Game Office at (907) 746-6300

**PLACE
FIRST-
CLASS
POSTAGE
HERE**



REMOVE BOTH TIPS OF THE TAIL FIN
FROM SALMON CAUGHT IN
PERSONAL-USE FISHERIES



State of Alaska

Department of Fish & Game

PERSONAL USE SALMON PERMITS

1800 GLENN HIGHWAY, SUITE 4

PALMER, AK 99645-6736