2016 ANNUAL REPORT ALASKA SALMON HATCHERY

Year Ending December 15, 2016

Hatchery name/Location Permit holder name/Address

EKLUTNA SALMON HATCHERY
Cook Inlet Aquaculture Association
40610 Kalifornsky Beach Road
Kenai, AK 99611

Person to contact regarding this report

Caroline Cherry	 name
907-283-5761	phone

DECLARATION AND SIGNATURE

I declare that the information given in this annual report is, to my knowledge, true, correct, and complete.

Gary Fandrei

Name of Legal Representative

11/16/16

Dale

Signature of Representative

THE FOLLOWING PARTS ARE INCLUDED IN THIS REPORTING FORM.

Part 1. REPORT OF THIS YEAR'S PERFORMANCE

Complete the following schedules of production statistics for this year, for each species/stock/brood year combination:

Schedule A: Annual Broodstock and Initial Survival Report

Schedule B: Annual Fish Culture Production Report

Schedule C: Harvest Management and Hatchery Adult Returns

Note: One Schedule C for each species/stock/project location (release site).

Part 2. PROJECTED RETURNS FOR NEXT YEAR

Complete Schedule D, to provide projections for each species and each release site.

Part 3. UPDATED SCHEDULES FOR PRIOR YEAR ANNUAL REPORT

Schedule F is used to update last year's Schedule C reported adult return data.

Use this form to update the information that we have on file, if known changes have occured or numbers have been finalized since last year's report.

SCHEDULE A-1 ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

EKLUTNA SALMON HATCHERY

11/16/2016

2016 Eklutna Annual Report xis

Complete this schedule for each species/stock of eggs taken this year.

Use lines 3-6 to report fish captured and sacrificed as broodstock (fish that died during collection of eggs).

Use line 16 to report and describe captured fish that were released alive (for example, at remote egg-take locations).

1. Species	Sockeye	1			
2. Stock (donor stock/ancestral stock)	Donor stock refers to	o location d	f broodstock co	llection. Anci	estral is original stock.
3. Viable broodstock (spawned, eggs in incubators)		females	m	nale -	total
Inviable broodstock (green/over-ripe/bad)		females	П.	nale -	total
Unspawned fish (roe recovery, excess males)]		<u></u>	
Holding mortalities (raceway, pen mortalities)					
7. Adults sacrificed for broodstock (sum 3 thru 6)]			
8. Average length and weight of adults used for broods	tock				
females>		cm	k	g	
males>		cm	k	g	
Average fecundity (eggs/female)	#DIV/0!				
10. Egg-take dates:]			
11. Number of green eggs taken		<u> </u>			
12. Number of eggs transferred out (annotate below)	green eggs or	eyed eggs			
13. Number of eggs destroyed (annotate below)	green eggs or	eyed eggs			
14. Number of green eggs retained in hatchery					
15. Number remaining in hatchery at eyed stage	L		#DIV/0! %	6 survival ²	
16. Describe procedures used for egg takes and evalua	ition of in-hatchery sui	rvivals:			
				_	
CIAA did not have to use the Eklutna facility in 2016 as	a back up to its Trail I	Lakes Hatc	hery. ADF&G d	lid use the fac	cility to imprint Chinook a
part of their program.					
	<u> </u>				
	·				
1. Provide explanation if greater than number of green	eggs taken.	2. Provide	explanation for	r survivals le:	ss than 90%.
				-	
	SCHEDULE	A-2			
ANNUAL BROOF	DSTOCK AND INIT	IAL SURV	IVAL REPOR	т	
		INE COIL	WAL HEI OH	-	SALMON HATCHERY
Complete this schedule for each species/stock of	occe taken this yes	_		EKLUTIAN	SALINON HATCHERY
Use lines 2 6 to report fish continued and specification	<u>eggs taken tnis yea</u>	<u>[.</u> - 454 -414	-l'		
Use lines 3-6 to report fish captured and sacrificed	as Droodstock (fist	ı ınaı died	auring collecti	ion of eggs)	
Use line 16 to report and describe captured fish the	iat were released all	ive (for ex	ample, at remo	ote egg-take	locations).
4. Canalan		1			
1. Species	Coho	4 11	ri i i		
2. Stock (donor stock/ancestral stock)	Donor stock refers to	1	7		estral is original stock.
Viable broodstock (spawned, eggs in incubators)		females	l m	nale -	total
4. Inviable broodstock (green/over-ripe/bad)		females	п	nale -	total
5. Unspawned fish (roe recovery, excess males)					
6. Holding mortalities (raceway, pen mortalities)		1			
7. Adults sacrificed for broodstock (sum 3 thru 6)	•]			
8. Average length and weight of adults used for broods		,			
females>		cm	k	g	
males>		cm	k	g	
9. Average fecundity (eggs/female)	#DIV/0!				
10. Egg-take dates:					
11. Number of green eggs taken					
12. Number of eggs transferred out (annotate below)	green eggs or	eyed eggs			
13. Number of eggs destroyed (annotate below)	green eggs or	eyed eggs			
14. Number of green eggs retained in hatchery ¹					
15. Number remaining in hatchery at eyed stage		1	#DIV/0! 9	% survival²	
16. Describe procedures used for egg takes and evalua	ation of in-hatchery sur	rvivals:			
,	and the state of t				
CIAA did not have to use the Eklutna facility in 2016 as	a backup for its Trail	Lakes Hato	hery. ADF&G di	id use the fac	iltiy to imprint Chinook as
CIAA did not have to use the Eklutna facility in 2016 as part of their program.	a backup for its Trail	Lakes Hato	hery. ADF&G di	id use the fac	iltiy to imprint Chinook as
CIAA did not have to use the Eklutna facility in 2016 as part of their program.	a backup for its Trail	Lakes Hato	hery. ADF&G di	id use the fac	ilitiy to Imprint Chinook as
CIAA did not have to use the Eklutna facility in 2016 as part of their program.	a backup for its Trail	Lakes Hato	hery. ADF&G di	id use the fac	iltiy to imprint Chinook as
CIAA did not have to use the Eklutna facility in 2016 as part of their program.	a backup for its Trail	Lakes Hato	hery. ADF&G di	id use the fac	iltiy to imprint Chinook as
CIAA did not have to use the Eklutna facility in 2016 as part of their program.	a backup for its Trail	Lakes Hato	hery. ADF&G di	id use the fac	iltiy to imprint Chinook as

SCHEDULE B-1

ANNUAL FISH CULTURE PRODUCTION REPORT

EKLUTNA SALMON HATCHERY

Complete this schedule for each species/stock of eggs (or fish) cultured this year from prior brood years. Please provide explanations for any differences in numbers of green and eyed eggs from those reported last year for this species/stock (e.g. reenumeration of inventory at eyed stage, transfers, mortality, etc.).

						-	
Species:	Sockeye	Stock:				Brood Year:	2015
A. Life Stage Info							
	Actual	% cum	Annotate	transfers	between l	natcheries, signif	icant
	number	survival	mortalities	s, or prov	ide other d	lescriptive comm	ents.
1. Green eggs		100.0%		ot have to u	se the Eklut	na hatchery in 2011	-2016 as back up to
2. Eyed eggs		#DIV/0!	its Trail Lak	es Hatche	ry. ADF&G d	id use the facility for	imprinting Chinook
3. Emergent fry		#DIV/0!	as part of th				
4. Fed fry		#DIV/0!					
5. Smolts		#DIV/0!	<u> </u>				
B. Release Inform	nation						
***************************************	Release		'	S	ize	Ref	turn
Site	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
							<u>`</u>
Total:	•						
C. Marking/Taggi	69. 69.						
		oloooo aasuu oo	alallal				
Mulliber of light file	rked or tagged (by r Release	elease group an	a method o	r marking) I		lankin a (Tamaiana	
***************************************	ncicase	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		*****************		larking/Tagging	***************************************
Release Group ¹	Release Location	Number	Dates	Otolith M	ark Pattern	Tog Code	Velid Tees
1101000000000	Tiologge Ecoation	Tallibei	Dates	Clonini	aikrallein	Tag Code	Valid Tags
-							
· · · · · · · · · · · · · · · · · · ·							
<u></u>							
<u>.</u>	<u> </u>				<u> </u>		
¹ Deport release or	our on front or oalt						
neport release gr	oup as fresh or salt	water; from net p	en or race	way; or ou	ner rearing/i	release/site group	description.
D. Other							
	es, rearing problems	or significant n	nortalities a	mona the	so fish		
	oo, rouring problems	i, or significant if	ionalities a	mong mes	oe 11311,		
			-	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
				·			
	 _						
							
							-

2016 Eklutna Annual Report.xls 11/16/2016

SCHEDULE B-2

ANNUAL FISH CULTURE PRODUCTION REPORT

EKLUTNA SALMON HATCHERY

Complete this schedule for each species/stock of eggs (or fish) cultured this year from prior brood years. Please provide explanations for any differences in numbers of green and eyed eggs from those reported last year for this species/stock (e.g. reenumeration of inventory at eyed stage, transfers, mortality, etc.).

Species:	Coho	Stock:				Brood Year:	2015
A. Life Stage Info	rmation						
	Actual	% cum	Annotate	transfers	between i	natcheries, signifi	cant
	number	survival				escriptive comm	
1. Green eggs		100.0%				na hatchery in 2011-	
2. Eyed eggs		#DIV/0!				id use the facility for	
3. Emergent fry		#DIV/0!	as part of th			7	, , , , , , , , , , , , , , , , , , ,
4. Fed fry		#DIV/0!		1 3		··· <u>·</u>	
5. Smolts		#DIV/0!				 -	
B. Release Inform	nation		•		·		· · · · · · · · · · · · · · · · · · ·
	Release			Ś	ize	Ret	urn
Site	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
			1	g			
		<u> </u>					
							
							
·							
Total:							
C. Marking/Taggi Number of fish ma	rked or tagged (by re Release	elease group an	d method o	marking)		larking/Tagging	
***************************************	***************************************	1110-41-4-4-41-4-4-4-4-4-4-4-4-4-4-4-4-4	 	-0+00/000000000000000000	***************************************		*******************************
Release Group ¹	Release Location	Number	Dates	Otolith M	ark Pattern	Tag Code	Valid Tags
· ·							
-		·					
¹Report release gr	oup as fresh or salt v	water; from net p	oen or racev	vay; or otl	ner rearing/	release/site group	description.
D. Other							
Report any diseas	es, rearing problems	, or significant n	nortalities a	mong thes	se fish.		
	<u> </u>				<u>. </u>		
							<u> </u>

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SCHEDULE C-1

HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

	Species:	Sockeye			HATCHER
Location	of project:	NA		1	1
A. Hatchery Escapement 1. Cost-recovery fish (line 17a & 17b): traditional 2. Adults sacrificed as broodstock (Schedule A la 3. Escapement for hatchery watershed (as requilable) 4. Jacks 5. Other ¹ (annotate in comments section) 7. Other ¹ (annotate in comments section) 7. Other ¹ (annotate in comments section) 8. Total hatchery escapement	I harvest and line 7) minus I	roe-recovery fish	b)	-	
3. Common Property Harvest 3. Commercial harvest ² a. Troll b. Gillnet c. Seine d. Other (annotate in comments section) Total commercial harvest 10. Noncommercial harvest ² a. Sport b. Personal Use c. Subsistence d. Other (annotate in comments section) Total noncommercial harvest 11. Total Common Property Harvest (sum 9)	and 10)				. *
2. Total Return (sum 8 and 11)					-
3. Estimated ocean survival by brood year ²	Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)	
4. Average size of fish sold 5. Date(s) of harvest 6. Gear type or method used			length-cm		wt-kg
17. Disposition of Hatchery Escapement		# fish sold	lbs fish		
a. Traditional harvest fish	adults jacks total	# IISH 50IU	-		
b. Roe-recovery fish total nu	Sold Donated Disposed* mber of fish	# fish	Ibs fish	lbs roe	
c. Carcasses	0	# Sold	# Donated	# Disposed*	Total
Other (annotate i total nu Comments:	Spawners n comments) mber of fish total pounds		•		-
latchery has not been in production since 1998. eturns have been reported under the Trail Lakes	The Trail Lake Hatchery perr	s Hatchery sockeye p nit.	rogram last used the	facility in 2008, t	out these
			· · · · · · · · · · · · · · · · · · ·		

^{1 *}Other*: use one line per category (e.g. fish remaining in salt water, sea lion predation, etc.).

² Commercial harvest, noncommercial harvest, and estimated ocean survival: Please provide method used in estimation.

Disposed fish require a carcass disposal log.

SCHEDULE C-2

HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

	Species:	Coho		7	HATCHE
Location	of project:]
A. Hatchery Escapement Cost-recovery fish (line 17a & 17b): traditions Adults sacrificed as broodstock (Schedule A) Escapement for hatchery watershed (as required) Jacks Other (annotate in comments section) Other (annotate in comments section) Other (annotate in comments section) Total hatchery escapement	line 7) minus r	oe-recovery fish (17	'b)		
3. Common Property Harvest 2. Commercial harvest ² 2. Troll 3. Gillnet 3. Commercial harvest 4. Other (annotate in comments section) 5. Total commercial harvest 6. Noncommercial harvest 7. Sport 8. Sport 9. Personal Use 9. Subsistence 9. Other (annotate in comments section) 6. Total noncommercial harvest 7. Total Common Property Harvest (sum 9)	and 10)				
2. Total Return (sum 8 and 11)					
Estimated ocean survival by brood year ²	Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)	
4. Average size of fish sold 5. Date(s) of harvest 6. Gear type or method used	[length-cm_		wt-kg
7. Disposition of Hatchery Escapement					
a. Traditional harvest fish	adults jacks total	# fish sold	lbs fish	-	
b. Roe-recovery fish	Sold Donated Disposed ¹	# fish	lbs fish	lbs roe	
c. Carcasses		# Sold			J
Other (annotate	mber of fish	# Sold	# Donated	# Disposed*	Total
Comments:	total pounds				74
latchery has not been in production since 1998. eturns have been reported under the Trail Lakes	The Trail Lakes Hatchery pern	s Hatchery sockeye p nit.	program last used the	facility in 2008, b	out these
					_

[&]quot;Other": use one line per category (e.g. fish remaining in salt water, sea lion predation, etc.).

² Commercial harvest, noncommercial harvest, and estimated ocean survival: Please provide method used in estimation.

³ Disposed fish require a carcass disposal log.

SCHEDULE D

PROJECTED RETURNS FOR 2017

EKLUTNA SALMON HATCHERY

Combine brood years for species with returns of multiple year classes, except Chinook salmon. Please report projected returns of Chinook salmon by brood year.

Please report projected returns of Chinook salmon by brood year.							
				Range of expected return			
			Total				
			number of]		
	Brood		fish				
Species	Year	Release Site	expected	minimum	maximum		
Sockeye		Hatchery Not in Production					
Coho		Hatchery Not in Production					
							
-							
				·			
COMMENTS: Please provid		information on ocean-survival	calculations (i	.e. percentages	used, etc.)		
	<u> </u>	 					
	-						

SCHEDULE F-1

UPDATED 2014 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

This form is only required if there are known changes to the previous year's reported Schedule C data. Complete a separate schedule for each project and species of fish with updated numbers from last year's annual report. Species: **EKLUTNA SALMON HATCHERY** Location of harvest/return: **Hatchery Escapement** 1. Cost-recovery fish (line 16A & 16B): traditional harvest and roe recovery fish 2. Adults captured for broodstock (Schedule A line 7) minus roe recovery fish (line 16B) 3. Escapement for hatchery watershed (as required in permit) 4. Jacks 5. Other 1 (annotate in comments section) 6. Other 1 (annotate in comments section) 7. Other 1 (annotate in comments section) 8. Total return to hatchery **Common Property Harvest** 9. Commercial 2 A. Troll B. Gillnet C. Seine D. Other (annotate in comments section) **Total commercial** 10. Noncommercial 2 A. Sport B. Personal Use C. Subsistence D. Other (annotate in comments section) Total noncommercial 11. Total Return (sum 8,9,10) Total # Cumulative 12. Estimated ocean survival by BY2 BY return in 2011 Survival % % % % 13. Average size of fish sold length-cm wt-kg 14. Date(s) of harvest 15. Gear type or method used 16. Disposition of Hatchery Escapement # fish lbs fish A. Fish harvested/sold adults jacks total ibs roe B. Roe recovery C. Carcasses # Disposed # Donated # Sold Spawners Roe recovery (during egg take) Roe recovery (non-egg take) Other (annotate in comments) total number of fish total pounds Comments: Hatchery was not in production.

^{1 *}Other*: use one line per category (e.g. fish remaining in salt water, sea lion predation, etc.).

² Commercial harvest, noncommercial harvest, and estimated ocean survival: Please provide method used in estimation.