

2017 ANNUAL REPORT ALASKA SALMON HATCHERY

Year Ending December 15, 2017

Hatchery name/Location
Permit holder name/Address

Pillar Creek Hatchery / Kodiak Alaska
104 Center Ave. STE. 205
Kodiak, Alaska 99615

Person to contact
regarding this report

Trent Dodson
907-486-6555

name
phone

Contact person regarding this annual report:

Al Seale

Name of Representative

12/15/2017

Date

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 occurred or numbers have been finalized since last year's report.

SCHEDULE A-1 ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

Pillar Creek Hatchery / Kodiak Alaska

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					
2. Stock (donor stock/ancestral stock)	Afognak Lake / 252-342					
3. Viable broodstock (spawned, eggs in incubators)	355	females	232	male	587	total
4. Inviabile broodstock (green/over-ripe/bad)	75	females	8	male	83	total
5. Unspawned fish (roe recovery, excess males)						
6. Holding mortalities (raceway, pen mortalities)	40					
7. Adults sacrificed for broodstock (sum 3 thru 6)	710					
8. Average length and weight of adults used for broodstock						
females>	51.1	cm	1.9	kg		
males>	51.1	cm	1.9	kg		
9. Average fecundity (eggs/female)	2,368					
10. Egg-take dates:	7/31-8/3/2017					
11. Number of green eggs taken	824,234					
12. Number of eggs transferred out (annotate below)	<i>green eggs or eyed eggs</i>					
13. Number of eggs destroyed (annotate below)	<i>green eggs or eyed eggs</i>					
14. Number of green eggs retained in hatchery ¹	824,234					
15. Number remaining in hatchery at eyed stage	711,971				86.38% % survival ²	
16. Describe procedures used for egg takes and evaluation of in-hatchery survivals:	Standard remote sockeye eggtake procedures, as described in ADF&G Special Fisheries Report #6: Alaska					
	Sockeye Salmon Culture Manual, published August 1994, were utilized.					
	Eyed eggs are picked using a Jensorter Model JM8 Egg Sorter; egg inventory and survival are estimated by weight					
	Broodstock not weighed or measured; average eye-fork length provided by ADF&G, 2017					
	sampling of escapement at weir, with Age x.1 fish lengths omitted. Weight entry is historical average from Stat area 252-342 sockeye harvest					
	(2a) Line 15. BY2017 Afognak Lake sockeye green-to-eye egg survival is consistent with remote eggtake expectations.					
	(2b) Fertility increased by pumping creek water for process water at the egg take.					
	(416) Brood fish released back to Afognak Lake unused					
1.	Provide explanation if greater than number of green eggs taken.			2. Provide explanation for survivals less than 90%.		

SCHEDULE A-2 ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

Pillar Creek Hatchery / Kodiak Alaska

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					
2. Stock (donor stock/ancestral stock)	Saltery Lake / 259-415					
3. Viable broodstock (spawned, eggs in incubators)	1,840	females	1,225	male	3,065	total
4. Inviabile broodstock (green/over-ripe/bad)	104	females	136	male	240	total
5. Unspawned fish (roe recovery, excess males)						
6. Holding mortalities (raceway, pen mortalities)	792					
7. Adults sacrificed for broodstock (sum 3 thru 6)	4,097					
8. Average length and weight of adults used for broodstock						
females>	51.3	cm	2.4	kg		
males>	51.3	cm	2.4	kg		
9. Average fecundity (eggs/female)	2,928					
10. Egg-take dates:	8/11, 15, 19, 25/2017					
11. Number of green eggs taken	5,387,615					
12. Number of eggs transferred out (annotate below)	856,051 <i>green eggs</i>					
13. Number of eggs destroyed (annotate below)	<i>green eggs or eyed eggs</i>					
14. Number of green eggs retained in hatchery ¹	4,531,564					
15. Number remaining in hatchery at eyed stage	4,183,268				92.31% % survival ²	
16. Describe procedures used for egg takes and evaluation of in-hatchery survivals:	Standard remote sockeye eggtake procedures, as described in ADF&G Special Fisheries Report #6: Alaska					
	Sockeye Salmon Culture Manual, published August 1994, were utilized.					
	Eyed eggs are picked using a Jensorter Model JM8 Egg Sorter; egg inventory and survival are estimated by weight					
	Broodstock not weighed or measured; average eye-fork length provided by ADF&G, 2017					
	sampling of escapement at weir. Weight entry is historical average from Stat Area 259-41 sockeye harvest.					
	(12) Green eggs transferred to Kitoy Bay Hatchery from the egg take site					
	(3471) Brood fish released back to Saltery Lake unused.					
1.	Provide explanation if greater than number of green eggs taken.			2. Provide explanation for survivals less than 90%.		

SCHEDULE A-3 ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

Pillar Creek Hatchery / Kodiak Alaska

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	Coho					
2. Stock (donor stock/ancestral stock)	<i>Pillar Creek/ Buskin River stock</i>					
3. Viable broodstock (spawned, eggs in incubators)	75	females	53	male	128	total
4. Inviabile broodstock (green/over-ripe/bad)	1	females	1	male	2	total
5. Unspawned fish (roe recovery, excess males)						
6. Holding mortalities (raceway, pen mortalities)	3					
7. Adults sacrificed for broodstock (sum 3 thru 6)	133					
8. Average length and weight of adults used for broodstock						
	females>	61.0	cm	4.5	kg	
	males>	61.0	cm	4.5	kg	
9. Average fecundity (eggs/female)	3,500					
10. Egg-take dates:	11/07/17					
11. Number of green eggs taken	262,500					
12. Number of eggs transferred out (annotate below)	<i>green eggs or</i>		<i>eyed eggs</i>			
13. Number of eggs destroyed (annotate below)	<i>green eggs or</i>		<i>eyed eggs</i>			
14. Number of green eggs retained in hatchery ¹	262,500					
15. Number remaining in hatchery at eyed stage	N/A		#VALUE! % survival ²			
16. Describe procedures used for egg takes and evaluation of in-hatchery survivals:	Dry spawning method used. Eggs water hardened before loading into incubators.					
Lines 9, 11, and 14 entries are estimates based on historical assumed fecundity. Actual egg inventory and survival will be estimated by weight sampling method at eyed egg processing.						
(2)Eggs have not developed to eyed stage.						
Broodstock not weighed or measured; eye-fork length provided in Line 8 above are from 2017 ADF&G sampling at Buskin River weir .						
Weight entry is historic average for Buskin Lake coho.						
1. Provide explanation if greater than number of green eggs taken.			2. Provide explanation for survivals less than 90%.			

SCHEDULE A-4 ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

Pillar Creek Hatchery / Kodiak Alaska

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	Chinook					
2. Stock (donor stock/ancestral stock)	<i>Karluk stock / Monashka Creek / 259-10</i>					
3. Viable broodstock (spawned, eggs in incubators)	13	females	13	male	26	total
4. Inviabile broodstock (green/over-ripe/bad)	-	females	-	male	-	total
5. Unspawned fish (roe recovery, excess males)						
6. Holding mortalities (raceway, pen mortalities)	19					
7. Adults sacrificed for broodstock (sum 3 thru 6)	45					
8. Average length and weight of adults used for broodstock						
	females>	73.0	cm	8.2	kg	
	males>	73.0	cm	8.2	kg	
9. Average fecundity (eggs/female)	5,506					
10. Egg-take dates:	8/14/17					
11. Number of green eggs taken	71,584					
12. Number of eggs transferred out (annotate below)	<i>green eggs or</i>		<i>eyed eggs</i>			
13. Number of eggs destroyed (annotate below)	<i>green eggs or</i>		<i>eyed eggs</i>			
14. Number of green eggs retained in hatchery ¹	71,584					
15. Number remaining in hatchery at eyed stage	68,097		95.13% % survival ²			
16. Describe procedures used for egg takes and evaluation of in-hatchery survivals:	Remote eggtake procedures, as described in ADF&G Special Fisheries Report #6: Alaska Sockeye Salmon Culture Manual, published August 1994, were utilized. Eggs were fertilized at a 1 male:1 female ratio, and eggs from each pair are incubated in individual trays.					
Broodstock not weighed or measured; Line 8 entries are estimates.						
Eyed eggs are picked by hand; egg inventory and survival are estimated by weight at eyed egg processing.						
Line 15 (2) Survival is in line with remote egg take goals.						
1. Provide explanation if greater than number of green eggs taken.			2. Provide explanation for survivals less than 90%.			

SCHEDULE B-1

ANNUAL FISH CULTURE PRODUCTION REPORT

Pillar Creek Hatchery / Kodiak Alaska

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: Afognak Lake Brood Year: 2016

A. Life Stage Information

	Actual number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green eggs	753,618	100.0%	
2. Eyed eggs	653,061	86.66%	
3. Emergent fry	538,614	71.47%	post hatch mortality estimated at 87,100
4. Fed fry		0	
5. Smolts		0	

B. Release Information

Site	Release			Size		Return	
	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
Hidden Lake	214,883	5/16/2017	fry	0.43		13,538	2020-21
Crescent Lake	132,176	5/16/2017	fry	0.34		3,775	2020-21
Total:	347,059						

C. Marking/Tagging

Number of fish marked or tagged (by release group and method of marking)

Release				Marking/Tagging		
Release Group ¹	Release Location	Number ²	Dates	Otolith Mark Pattern	Tag Code	Valid Tags

¹ Report release group as fresh or salt water; from net pen or raceway; or other rearing/release/site group description.

² This should be the sum of the marked + unmarked release for each tag code or otolith mark.

D. Other

Report any diseases, rearing problems, or significant mortalities among these fish.

These fish were exposed to severe transfer conditions due to a water shortage

Transfers were required and about 0.5 degrees Celcius , this caused some major drop out and mortalilites

These fish were also diagnosed with fusobacteria and treated with formalin

Also diagnosed by the ADFG pathology lab was a yeast infection in the guts and stomachs

These two conditions and the cold water transfer combined for a loss of 143,519 fish from Raceway 4 and 34,771 fish from

Raceway 3 for a total of 178,290 rearing period mortalities.

SCHEDULE B-2 ANNUAL FISH CULTURE PRODUCTION REPORT

Pillar Creek Hatchery / Kodiak Alaska

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: Stock: Brood Year:

A. Life Stage Information

	Actual number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green eggs	4,139,232	100.0%	
2. Eyed eggs	3,827,498	92.47%	774,021 transferred to Kitoi Bay Hatchery
3. Emergent fry	2,995,780	72.38%	
4. Fed fry		0.00%	
5. Smolts	495,601	11.97%	248,557 mortalities in RW12, IHNV outbreak / Telrod Cove project

B. Release Information

Site	Release			Size		Return	
	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
Spiridon Lake	2,118,152	6/17/2017	Fry	0.4		185,741	2020-21
Lower Jennifer Lake	40,000	6/17/2017	Fry	0.4		3,508	2020-21
Upper Jennifer Lake	52,000	6/17/2017	Fry	0.4		4,560	2020-21
Ruth Lake	65,073	6/17/2017	Fry	0.4		5,706	2020-21
Total:	2,275,225						

C. Marking/Tagging

Number of fish marked or tagged (by release group and method of marking)

Release				Marking/Tagging		
Release Group ¹	Release Location	Number ²	Dates	Otolith Mark Pattern	Tag Code	Valid Tags
Freshwater	Spridon Lake	2,118,152	6/17/17	2,4,2H		
Freshwater	Upper Jennifer	40,000	6/17/17	2,4,2H		
Freshwater	Lower Jennifer	52,000	6/17/17	2,4,2H		
Freshwater	Ruth Lake	65,073	6/17/17	2,4,2H		
Salt water net pens	Terod Cove	240,000	5/25/18	4,3,2H		

¹ Report release group as fresh or salt water; from net pen or raceway; or other rearing/release/site group description.

² This should be the sum of the marked + unmarked release for each tag code or otolith mark.

D. Other

Report any diseases, rearing problems, or significant mortalities among these fish.

One raceway representing roughly 50% of the rearing inventory for the Telrod Cove project was destroyed for a confirmed IHNV outbreak. A total of 248,557 fish destroyed.

No other issues with all remaining inventory.

SCHEDULE B-3 ANNUAL FISH CULTURE PRODUCTION REPORT

Pillar Creek Hatchery / Kodiak Alaska

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:

Stock:

Brood Year:

A. Life Stage Information

	Actual number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green eggs	101,264	100.0%	
2. Eyed eggs	97,552	96.33%	
3. Emergent fry	92,382	91.23%	
4. Fed fry		0.00%	
5. Smolts	89,512	88.39%	All for release as pre-smolt in 2018

B. Release Information

Site	Release			Size		Return	
	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
Pillar Creek	44,500	May/June 2018	pre-smolt	9		2,225	2019
Monaska Creek	44,500	May/June 2018	pre-smolt	9		2,225	2019
Total:	89,000						

C. Marking/Tagging

Number of fish marked or tagged (by release group and method of marking)

Release				Marking/Tagging		
Release Group ¹	Release Location	Number ²	Dates	Otolith Mark Pattern	Tag Code	Valid Tags
Fresh water	Pillar Creek	44,500	5/1/18	3,2H		
Fresh water	Monaska Creek	44,500	5/1/18	3,2H		

¹ Report release group as fresh or salt water; from net pen or raceway; or other rearing/release/site group description.

² This should be the sum of the marked + unmarked release for each tag code or otolith mark.

D. Other

Report any diseases, rearing problems, or significant mortalities among these fish.

These fish were included in site wide treatments for Trichodina

SCHEDULE B-4

ANNUAL FISH CULTURE PRODUCTION REPORT

Pillar Creek Hatchery / Kodiak Alaska

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:

Stock:

Brood Year:

A. Life Stage Information

	Actual number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green eggs	169,030	100.0%	
2. Eyed eggs	147,381	87.19%	
3. Emergent fry	141,756	83.86%	
4. Fed fry		0.00%	
5. Smolts	132,991	78.68%	All for release as pre-smolt in 2018

B. Release Information

Site	Release			Size		Return	
	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
Anticipated Kodiak	132,000	5/1/2018	pre-smolt	14		1,200	2020-2022
Road system release							
Total:	132,000						

C. Marking/Tagging

Number of fish marked or tagged (by release group and method of marking)

Release				Marking/Tagging		
Release Group ¹	Release Location	Number ²	Dates	Otolith Mark Pattern	Tag Code	Valid Tags

¹Report release group as fresh or salt water; from net pen or raceway; or other rearing/release/site group description.

² This should be the sum of the marked + unmarked release for each tag code or otolith mark.

D. Other

Report any diseases, rearing problems, or significant mortalities among these fish.

These fish have received treatments for Trichodina, no major mortality incidents

SCHEDULE B-5 ANNUAL FISH CULTURE PRODUCTION REPORT

Pillar Creek Hatchery / Kodiak Alaska

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: Rainbow Trout

Stock: Swanson River/ WJHSFH

Brood Year: 2017

A. Life Stage Information

	Actual number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green eggs		100.0%	
2. Eyed eggs	200,000	100.0%	
3. Emergent fry	117,248	58.62%	
4. Fed fry	55,874	27.94%	
5. Smolts		#DIV/0!	

B. Release Information

Site	Release			Size		Return	
	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
Kodiak Road	55,874	7/31/2017	fry	1			
System Lakes							
Total:	55,874						

C. Marking/Tagging

Number of fish marked or tagged (by release group and method of marking)

Release				Marking/Tagging		
Release Group ¹	Release Location	Number ²	Dates	Otolith Mark Pattern	Tag Code	Valid Tags

¹ Report release group as fresh or salt water; from net pen or raceway; or other rearing/release/site group description.

² This should be the sum of the marked + unmarked release for each tag code or otolith mark.

D. Other

Report any diseases, rearing problems, or significant mortalities among these fish.

Incubation and early rearing losses were attributed to the triploid process

These fish did receive formalin treatments

SCHEDULE B-6

ANNUAL FISH CULTURE PRODUCTION REPORT

Pillar Creek Hatchery / Kodiak Alaska

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: Chinook

Stock: Monashka Creek

Brood Year: 2015

A. Life Stage Information

	Actual number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green eggs	114,607	100.0%	
2. Eyed eggs	86,940	75.86%	
3. Emergent fry	85,558	74.65%	
4. Fed fry		0.00%	
5. Smolts	73,547	64.17%	

B. Release Information

Site	Release			Size		Return	
	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
American River	26,250	5/18/2017	Pre-smolt	18.3		345	2019-2021
Olds River	26,509	5/17/2017	Pre-smolt	19.8		345	2019-2021
Salonie Creek	20,518	5/19/2017	Pre-smolt	19		267	2019-2021
Total:	73,277						

C. Marking/Tagging

Number of fish marked or tagged (by release group and method of marking)

Release				Marking/Tagging		
Release Group ¹	Release Location	Number ²	Dates	Otolith Mark Pattern	Tag Code	Valid Tags

¹ Report release group as fresh or salt water; from net pen or raceway; or other rearing/release/site group description.

² This should be the sum of the marked + unmarked release for each tag code or otolith mark.

D. Other

Report any diseases, rearing problems, or significant mortalities among these fish.

No reported diseases, rearing problems or significant mortalities.

SCHEDULE B-7

ANNUAL FISH CULTURE PRODUCTION REPORT

Pillar Creek Hatchery / Kodiak Alaska

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: Saltery

Brood Year: 2015

A. Life Stage Information

	Actual number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green eggs	3,346,440	100.0%	
2. Eyed eggs	3,044,811	90.99%	
3. Emergent fry	2,746,972	82.09%	
4. Fed fry	2,435,878	72.79%	
5. Smolts	355,569	10.63%	

B. Release Information

Release				Size		Return	
Site	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
Telrod Cove	355,569	5/29/2017	Smolt	21.3		101,124	2019-2020
Total:	355,569						

C. Marking/Tagging

Number of fish marked or tagged (by release group and method of marking)

Release				Marking/Tagging		
Release Group ¹	Release Location	Number ²	Dates	Otolith Mark Pattern	Tag Code	Valid Tags
Saltwater net pens	Telrod Cove	355,569	5/29/17	5,2H		

¹Report release group as fresh or salt water; from net pen or raceway; or other rearing/release/site group description.

² This should be the sum of the marked + unmarked release for each tag code or otolith mark.

D. Other

Report any diseases, rearing problems, or significant mortalities among these fish.

No reported diseases, rearing problems or mortalities.

SCHEDULE B-8

ANNUAL FISH CULTURE PRODUCTION REPORT

Pillar Creek Hatchery / Kodiak Alaska

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:

Stock:

Brood Year:

A. Life Stage Information

	Actual number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green eggs	261,010	100.0%	
2. Eyed eggs	242,969	93.09%	
3. Emergent fry	222,875	85.39%	
4. Fed fry		0.00%	
5. Smolts	222,950	85.42%	

B. Release Information

Site	Release			Size		Return	
	Number	Date	Life stage	gm/fish	mm/fish	Expected return	Return year(s)
Pillar Creek	77,685	6/12/2017	Pre-smolt	18.6		3,884	2018
Monaska Creek	75,021	6/12/2017	Pre-smolt	18.6		3,751	2018
Island Lake	50,137	6/9/2017	Pre-smolt	17.8		2,507	2018
Mission Lake/Beach	20,107	6/9/2017	Pre-smolt	18.6		1,005	2018
Total:	222,950						

C. Marking/Tagging

Number of fish marked or tagged (by release group and method of marking)

Release				Marking/Tagging		
Release Group ¹	Release Location	Number ²	Dates	Otolith Mark Pattern	Tag Code	Valid Tags
Freshwater	Pillar Creek	77,685	06/12/17	2,2H		
Freshwater	Monaska Creek	75,021	06/12/17	2,2H		
Freshwater	Island Lake	50,137	06/09/17	2,2H		
Saltwater	Mission Lake/Beach	20,107	06/09/17	2,2H		

¹Report release group as fresh or salt water; from net pen or raceway; or other rearing/release/site group description.

² This should be the sum of the marked + unmarked release for each tag code or otolith mark.

D. Other

Report any diseases, rearing problems, or significant mortalities among these fish.

These fish have received treatments for Trichodina, but no major mortality incidents

SCHEDULE C-1 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete a separate schedule for each project (location of release/return), stock (e.g. fall or summer, if applicable), and species.

Pillar Creek Hatchery / Kodiak Alaska

Species: Stock: Release Site:

A. Hatchery Escapement

1. Cost-recovery fish (line 17a & 17b): traditional harvest and roe-recovery fish	-
2. Adults sacrificed as broodstock (Schedule A line 7) minus roe-recovery fish (17b)	
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 hatchery escapement	-

B. Common Property Harvest

9. Commercial harvest ²	
a. Troll	
b. Gillnet	
c. Seine	21,301
d. Other (annotate in comments section)	
Total commercial harvest	21,301
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)	21,301
12. Total Return (sum 8 and 11)	21,301

Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
13. Estimated ocean survival by brood year ²			
2011	1,007	3.5	yes
2012	10,510	5.5	no
2013	9,543	5	no
2014	241	0.1	no

14. Average size of fish sold	51	length-cm	1.9	wt-kg
15. Date(s) of harvest	June 1- June 24, 2017			
16. Gear type or method used	Purse Seine			

17. Disposition of Hatchery Escapement

		# fish sold	lbs fish		
a. Traditional harvest fish	adults				
	jacks				
	total	-	-		
		# fish	lbs fish	lbs roe	
b. Roe-recovery fish	Sold				
	Donated				
	Disposed*				
	total number of fish	-	-	-	
		# Sold	# Donated	# Disposed*	Total
c. Carcasses	Spawners				-
	Other (annotate in comments)				-
	total number of fish	-	-	-	-
	total pounds				-

Comments:

No brood is collected at this location. The primary donor stock is Afognak Lake;
 The return figures entered above are based on harvest numbers obtained from the ADF&G fish ticket database. It is typically assumed that all sockeye harvested in Foul Bay (Statistical Area 251-41) prior to July 15 are hatchery-stocked early-run sockeye; fish harvested after July 15 are not counted as hatchery contribution to the fishery.
 Age composition is based on scale samples taken from fish harvested in the SHA.
 The BY2011 cumulative survival figure in line 13 represents the complete brood year return.

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.

³ **Disposed** fish require a carcass disposal log.

**SCHEDULE C-2
HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS**

Complete a separate schedule for each project (location of release/return), stock (e.g. fall or summer, if applicable), and species.

Pillar Creek Hatchery / Kodiak Alaska

Species: Stock: Release Site:

A. Hatchery Escapement

1. Cost-recovery fish (line 17a & 17b): traditional harvest and roe-recovery fish	-
2. Adults sacrificed as broodstock (Schedule A line 7) minus roe-recovery fish (17b)	
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 hatchery escapement	-

B. Common Property Harvest

9. 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)	-
12. Total Return (sum 8 and 11)	-

Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
13. Estimated ocean survival by brood year ²			
2011	0		Yes
2012	0		
2013	0		
2014	0		

14. Average size of fish sold	51	length-cm	1.9	wt-kg
15. Date(s) of harvest	No Harvest			
16. Gear type or method used	Purse Seine			

17. Disposition of Hatchery Escapement

a. Traditional harvest fish		# fish sold	lbs fish		
	adults				
	jacks				
	total	-	-		
b. Roe-recovery fish		# fish	lbs fish	lbs roe	
	Sold				
	Donated				
	Disposed*				
	total number of fish	-	-	-	
c. Carcasses		# Sold	# Donated	# Disposed*	Total
	Spawners				-
	Other (annotate in comments)				-
	total number of fish	-	-	-	-
	total pounds				-

Comments:

There was no KRAA monitoring of this fishery in 2017 and the fishery remained closed in 2017

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.

³ Disposed fish require a carcass disposal log.

SCHEDULE C-3 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete a separate schedule for each project (location of release/return), stock (e.g. fall or summer, if applicable), and species.

Pillar Creek Hatchery / Kodiak Alaska

Species: Stock: Release Site:

A. Hatchery Escapement

1. Cost-recovery fish (line 17a & 17b): traditional harvest and roe-recovery fish
2. Adults sacrificed as broodstock (Schedule A line 7) minus roe-recovery fish (17b)
3. Escapement for hatchery watershed (as required in permit)
4. Jacks
5. Other¹ (annotate in comments section)
6. Other¹ (annotate in comments section)
7. Other¹ (annotate in comments section)
8. **Total hatchery escapement**

	-
	-

B. Common Property Harvest

9. Commercial harvest²
 - a. Troll
 - b. Gillnet
 - c. Seine
 - d. Other (annotate in comments section)

	-

Total commercial harvest

10. Noncommercial harvest²
 - 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)**

	-
--	---

12. **Total Return (sum 8 and 11)**

	-
--	---

	Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
13. Estimated ocean survival by brood year ²	2011			yes
	2012			no
	2013			no
	2014			no

14. Average size of fish sold	51	length-cm	1.9	wt-kg
15. Date(s) of harvest				
16. Gear type or method used				

17. Disposition of Hatchery Escapement

	# fish sold	lbs fish		
a. Traditional harvest fish				
adults				
jacks				
total	-	-		
b. Roe-recovery fish				
Sold				
Donated				
Disposed ³				
total number of fish	-	-	-	
c. Carcasses				
Spawners				-
Other (annotate in comments)				-
total number of fish	-	-	-	-
total pounds				-

Comments:

No brood is collected at this location. The primary donor stock is Afognak Lake.

Total return estimate is based on harvest numbers obtained from the ADF&G fish ticket database, plus reported subsistence catch.

A portion of the Crescent Lake-bound sockeye return was likely harvested in the set gillnet fishery outside Settler's Cove and the Kizhuyak Section.

The local subsistence fishery harvests a significant portion of this run. Subsistence harvest reporting/analysis will not be complete until

March 2018. The 2017 subsistence harvest will be reported in Schedule F of the 2018 Annual Report.

Age composition of this return is unavailable as the data needed for it is not collected by ADF&G or KRAA

Figures in Line 14 are from parent stock weir info for 2017

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.

³ **Disposed fish:** require a carcass disposal log.

SCHEDULE C-4 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete a separate schedule for each project (location of release/return), stock (e.g. fall or summer, if applicable), and species.

Pillar Creek Hatchery / Kodiak Alaska

Species: Sockeye Stock: Saltery Release Site: Spiridon Lake SHA

A. Hatchery Escapement

1. Cost-recovery fish (line 17a & 17b): traditional harvest and roe-recovery fish	54,098
2. Adults sacrificed as broodstock (Schedule A line 7) minus roe-recovery fish (17b)	
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 hatchery escapement	54,098

B. Common Property Harvest

9. Commercial harvest ²	
a. Troll	
b. Gillnet	233,525
c. Seine	55,265
d. Other (annotate in comments section)	
Total commercial harvest	288,790
10. Noncommercial harvest ²	
a. Sport	
b. Personal Use	1,000
c. Subsistence	
d. Other (annotate in comments section)	
Total noncommercial harvest	1,000
11. Total Common Property Harvest (sum 9 and 10)	289,790
12. Total Return (sum 8 and 11)	343,888

	Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
13. Estimated ocean survival by brood year ²	2011	7,796	7.8	yes
	2012	176,130	10.4	no
	2013	157,363	5.6	no
	2014	2,599	0.1	no

14. Average size of fish sold	51.3	length-cm	5.2	wt-kg
15. Date(s) of harvest	June 29-August 16, 2017			
16. Gear type or method used	seine and gill net			

17. Disposition of Hatchery Escapement

a. Traditional harvest fish		# fish sold	lbs fish		
	adults	54,098	279,530		
	jacks				
	total	54,098	279,530		
b. Roe-recovery fish	Sold	# fish	lbs fish	lbs roe	
	Donated				
	Disposed ³				
	total number of fish	-	-	-	
c. Carcasses		# Sold	# Donated	# Disposed ³	Total
	Spawners				-
	Other (annotate in comments)				-
	total number of fish	-	-	-	-
	total pounds				-

Comments:

No brood is collected at this location. The donor stock is Saltery Lake.

The 2017 total return estimate (Line 11 above) is the sum of two figures: the first, for sockeye harvested within the Spiridon SHA, is based on numbers obtained from the ADF&G fish ticket database; the second, for Spiridon-bound sockeye harvested in NW Kodiak and SW Afognak Districts and was estimated by ADF&G.

Estimation of the Spiridon-bound sockeye harvest by gear type outside of the Spiridon Lake SHA is based on the reported catch of all sockeye by each type in the Central Section of the Northwest Kodiak District and the Southwest Afognak Section of the Afognak District between the dates of June 21 and August 15. In 2017, 39.0% of Spiridon-bound sockeye outside the SHA were harvested by purse seine, and 61.0% by set gillnet. All harvest within the SHA is by seine. Percentage rounding causes difference between BY cumulative and total fish number on line 12

Age composition is based on scale samples taken from fish harvested in the SHA.

(10d) This number represents fish that were uncatchable up the creek in Telrod Cove

The BY2011 cumulative survival figure in line 13 represents the complete brood year return.

Return numbers based on percentages from stat runs by KRAA in yearly preliminary run reconstructions for 2017

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.

³ Disposed fish require a carcass disposal log.

**SCHEDULE C-5
HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS**

Complete a separate schedule for each project (location of release/return), stock (e.g. fall or summer, if applicable), and species.

Pillar Creek Hatchery / Kodiak Alaska

Species: Stock: Release Site:

A. Hatchery Escapement

1. Cost-recovery fish (line 17a & 17b): traditional harvest and roe-recovery fish	-
2. Adults sacrificed as broodstock (Schedule A line 7) minus roe-recovery fish (17b)	134
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 hatchery escapement	134

B. Common Property Harvest

9. Commercial harvest ²	
a. Troll	
b. Gillnet	
c. Seine	
d. Other (annotate in comments section)	
Total commercial harvest	-
10. Noncommercial harvest ²	
a. Sport	14,800
b. Personal Use	
c. Subsistence	
d. Other (annotate in comments section)	
Total noncommercial harvest	14,800
11. Total Common Property Harvest (sum 9 and 10)	14,800
12. Total Return (sum 8 and 11)	14,934

	Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
13. Estimated ocean survival by brood year ²	2014	Data incomplete		

14. Average size of fish sold	<input type="text"/>	length-cm	<input type="text"/>	wt-kg
15. Date(s) of harvest	August - October			
16. Gear type or method used	sport tackle or gill net			

17. Disposition of Hatchery Escapement

a. Traditional harvest fish		# fish sold		lbs fish					
	adults	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
	jacks	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
	total	-		-					
b. Roe-recovery fish		# fish		lbs fish		lbs roe			
	Sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
	Donated	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
	Disposed ³	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
	total number of fish	-		-		-			
c. Carcasses		# Sold		# Donated		# Disposed ³		Total	
	Spawners	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Other (annotate in comments)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	total number of fish	-		-		-		-	
	total pounds	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments:

Pillar Creek Hatchery produces coho and Chinook juveniles in cooperation with the ADF&G Sportfish Division. These sportfish programs are detailed in, and receive funding through, Co-operative Agreement 14-155 between KRAA and the Division. No brood is collected at this location. The donor stock is Buskin Lake.

These coho are released in cooperation with the ADF&G Division of Sport Fish. The goal of the program, stated in the ADF&G Statewide Stocking Plan, is to create 1600 adult fish and 1500 angler days. The estimates entered above are based on these goals. Subsistence catch is included in the overall return estimate, and not specifically enumerated. Additional sportfish harvest estimates are reported in the ADF&G Statewide Sportfish Harvest Survey, which has not been completed for 2017; however, the Survey does not specify effort/harvest of stocked vs. native salmon on the Kodiak Road System.

All returning coho are assumed to be 1yr freshwater . 1yr ocean fish.

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

³ Disposed fish require a carcass disposal log.

**SCHEDULE C-6
HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS**

Complete a separate schedule for each project (location of release/return), stock (e.g. fall or summer, if applicable), and species.

Pillar Creek Hatchery / Kodiak Alaska

Species: Stock: Release Site:

A. Hatchery Escapement

1. Cost-recovery fish (line 17a & 17b): traditional harvest and roe-recovery fish	-
2. Adults sacrificed as broodstock (Schedule A line 7) minus roe-recovery fish (17b)	75
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 hatchery escapement	75

B. Common Property Harvest

9. Commercial harvest ²	
a. Troll	
b. Gillnet	
c. Seine	
d. Other (annotate in comments section)	
Total commercial harvest	-
10. Noncommercial harvest ²	
a. Sport	1,300
b. Personal Use	
c. Subsistence	
d. Other (annotate in comments section)	
Total noncommercial harvest	1,300
11. Total Common Property Harvest (sum 9 and 10)	1,300
12. Total Return (sum 8 and 11)	1,375

13. Estimated ocean survival by brood year ²	Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
	2010	Data incomplete		
	2011	all years		
	2012			
	2013			

14. Average size of fish sold	<input type="text"/>	length-cm	<input type="text"/>	wt-kg
15. Date(s) of harvest	June - August			
16. Gear type or method used	Sport Tackle or gill net			

17. Disposition of Hatchery Escapement

a. Traditional harvest fish		# fish sold	lbs fish		
	adults	<input type="text"/>	<input type="text"/>		
	jacks	<input type="text"/>	<input type="text"/>		
	total	-	-		
b. Roe-recovery fish		# fish	lbs fish	lbs roe	
	Sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	Donated	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	Disposed ³	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	total number of fish	-	-	-	
c. Carcasses		# Sold	# Donated	# Disposed ³	Total
	Spawners	<input type="text"/>	<input type="text"/>	<input type="text"/>	-
	Other (annotate in comments)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-
	total number of fish	-	-	-	-
	total pounds	<input type="text"/>	<input type="text"/>	<input type="text"/>	-

Comments:

Pillar Creek Hatchery produces coho and Chinook juveniles in cooperation with the ADF&G Division of Sport Fish. These sportfish programs are detailed in, and receive funding through, Co-operative Agreement 14-155 between KRAA and the Division. The Kodiak Road System Chinook project includes returns to Monashka Creek, Salonie Creek and the American and Olds Rivers. These Chinook are released in cooperation with the ADF&G Division of Sport Fish Division. Summary adult return figures are estimated by ADF&G staff, taking into account stream surveys, brood numbers, reported subsistence and estimated sport harvest. Harvest data will also be reported in the ADF&G Statewide Sportfish Harvest Survey, which has not been completed for 2017.

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 2018

Pillar Creek Hatchery / Kodiak Alaska

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

Species	Brood Year	Release Site	Total number of fish expected	Range of expected return	
				minimum	maximum
Sockeye	2013-2016	Hidden Lake	12,500	9,400	15,500
Sockeye	2013-2016	Crescent Lake	2,800	1,900	3,700
Sockeye	2014	Waterfall Lake	4,100	1,700	6,500
Sockeye	2013-2016	Spiridon Lake/Telrod Cove	274,000	228,000	320,000
Sockeye	2013	Anton Larsen	12,300	3,600	20,900
Sockeye	2013	Ouzinkie*	10,000	7,100	12,900
Coho	2016	Pillar Creek	3,400	2,600	4,300
	2016	Monashka Creek	3,300	2,500	4,100
	2016	Island Lake	2,200	1,700	2,800
	2016	Mission Beach	900	700	1,100
Chinook	2012	Kodiak Road System	1,900	1,400	2,400
	2013	Kodiak Road System	1,300	1,000	1,600
	2014	Kodiak Road System	40	30	50

COMMENTS:

Please provide additional information on ocean-survival calculations (i.e. percentages used, etc.)

Hidden: 4.6% fry to adult survival applied to average adult age composition for BY01-10

Crescentt: Same calculations as Hidden

Spiridon: Smolt-adult survival (31.2%) was applied to average adult composition for BY98-08
Lake outmigrants and net pen releases both based on BY98-08 smolt-adult survival

Anton Larsen: Assumed 15% smolt-adult survival applied to Spiridon age composition

Ouzinkie: Assumed 15% smolt-adult survival applied to Spiridon age composition

* BY13 released by Pillar Creek Hatchery - return from this release = 4,800; the remaining 5,200 results from BY14 and BY15 releases from Kitoi Bay Hatchery

Coho: Assumed 4.4% release to return (1-ocean) survival

Chinook: Assumed 1.3% smolt-adult survival and age classes 1.2 (12%), 1.3 (33%), and 1.4 (55%)

SCHEDULE F-1
UPDATED 2016 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.

Pillar Creek Hatchery / Kodiak Alaska

Species/Stock:
 Release Site:

A. Hatchery Escapement

1. Cost-recovery fish (line 17a & 17b): traditional harvest and roe-recovery fish	-
2. Adults sacrificed as broodstock (Schedule A line 7) minus roe-recovery fish (17b)	
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 hatchery escapement	-

B. Common Property Harvest

9. 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	1,406
d. Other (annotate in comments section)	
Total noncommercial harvest	1,406
11. Total Common Property Harvest (sum 9 and 10)	1,406
12. Total Return (sum 8 and 11)	1,406

Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
13. Estimated ocean survival by brood year ²			

14. Average size of fish sold length-cm wt-kg
 15. Date(s) of harvest
 16. Gear type or method used

17. Disposition of Hatchery Escapement

a. Traditional harvest fish		# fish sold	lbs fish		
	adults				
	jacks				
	total	-	-		
b. Roe-recovery fish		# fish	lbs fish	lbs roe	
	Sold				
	Donated				
	Disposed ³				
	total number of fish	-	-	-	
c. Carcasses		# Sold	# Donated	# Disposed ³	Total
	Spawners				-
	Other (annotate in comments)				-
	total number of fish	-	-	-	-
	total pounds				-

Comments:

~ No brood is collected at this location. The primary donor stock is Afognak Lake.
 ~ Total return estimate is based on harvest numbers obtained from the ADF&G fish ticket database, plus reported subsistence catch.
 A portion of the Crescent Lake-bound sockeye return was likely harvested in the set gillnet fishery outside Settler's Cove and the Kizhuyak Section.
 ~ The local subsistence fishery harvests a significant portion of this run. Subsistence harvest reporting/analysis will not be complete until March 2018. **The 2017 subsistence harvest will be reported in Schedule F of the 2018 Annual Report.**
 ~Age composition of this return is unavailable as the data needed for it is not collected by ADF&G or KRAA
 Figures in Line 13 are from parent stock weir info for 2017 **This section has been changed from AR2016**

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.

³ **Disposed** fish require a carcass disposal log.