

2018 ANNUAL REPORT ALASKAN SALMON HATCHERY

Year ending December 15, 2018

Hatchery name/Location	TUTKA BAY
Permit holder name/Address	Forrest Cohn

Person to contact	Forrest Cohn	name
regarding this report	9072835761	phone

Schedule A - Egg-take

ID	Brood Year	Species	Ancestral Stock	Donor Stock	Egg-take Green	Eggs Retained	Eggs Survived
1	2018	PINK	TUTKA LAGOON CR	TUTKA BAY H	122,144,501	114,383,665	108,611,675

Schedule B - Section A - Life Stage Information

ID	Brood Year	Species	Ancestral Stock	Donor Stock	Green	Eyed	Emg Fry	Fed Fry	Smolt
1	2017	PINK	TUTKA LAGOON CR	TUTKA BAY H	123,548,148	59,047,275	56,076,000	50,040,000	

Schedule B - Section C - Release

ID	Release ID/Tag Code	Brood Year	Species	Ancestral Stock	Donor Stock	Site	Total Released
1	!01186CIIA04	2017	PINK	TUTKA LAGOON CR	TUTKA BAY H	TUTKA BAY 241-16	28,158,014
1	!01186CIIA03	2017	PINK	TUTKA LAGOON CR	TUTKA BAY H	TUTKA BAY 241-16	21,881,986

Schedule C - Return

ID	Species	Ancestral Stock	Donor Stock	Project	Cost Recovery	Comm Property	Total Return
1	PINK	TUTKA LAGOON CR	TUTKA BAY H	TUTKA BAY	939,967	187,820	1,364,900

Schedule F - Return

ID	Species	Stock	Project	Cost Recovery	Comm Property	Total Return
1	PINK	TUTKA BAY H	TUTKA BAY	110,152	91,591	523,293

Schedule A-1

2018 ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

TUTKA BAY

Continued to

1. Species	<input type="text" value="PINK"/>			
2. Donor stock	<input type="text" value="TUTKA BAY H"/>			
3. Ancestral stock	<input type="text" value="TUTKA LAGOON CR"/>			
4. Viable broodstock (spawned, eggs in incubators)	<input type="text" value="77,990"/>	females	<input type="text" value="65,602"/>	males <input type="text" value="143,592"/> total
5. Inviabile broodstock (green/over-ripe/bad)	<input type="text" value="19,534"/>	females	<input type="text" value="21"/>	males <input type="text" value="19,555"/> total
6. Unspawned fish (roe recovery, excess males)	<input type="text" value="13,296"/>			
7. Holding mortalities (raceway, pen mortalities)	<input type="text" value="35"/>			
8. Adults sacrificed for broodstock (sum 4 thru 7)	<input type="text" value="176,478"/>			
9. Average length and weight of adults used for broodstock				
	Females	<input type="text"/>	mm	<input type="text"/>
	Males	<input type="text"/>	mm	<input type="text"/>
10. Average fecundity (eggs/female)	<input type="text" value="1,566"/>	<input type="checkbox"/> Override auto calculation		
11. Egg-take dates (first date)	<input type="text" value="08/10/2018"/>			
12. Egg-take dates (last date)	<input type="text" value="09/05/2018"/>			
13. Number of green eggs taken	<input type="text" value="122,144,501"/>			

14-16. Transfers, Morts, and Culls

Transfer Type	Date	Life Stage	FTP	Direction	Site/Discard Cause	Total
Total Transfers, Morts, and Culls						<input type="text"/>

17. Number of green eggs retained in hatchery	<input type="text" value="114,383,665"/>
18. Number remaining in hatchery at eyed stage	<input type="text" value="108,611,675"/> <input type="text" value="94.954"/> % survival <input type="checkbox"/> Override auto calculation
19. Describe procedures used for egg takes and evaluation of in-hatchery survivals:	

Entered By Date Last Modified

Schedule B-1

2018 ANNUAL FISH CULTURE PRODUCTION REPORT

TUTKA BAY

Species

Donor Stock

Brood Year

Ancestral Stock

Continued from to

A. Life Stage Information

	Acutal Number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green Eggs	123,548,148	100	
2. Eyed Eggs	59,047,275	47.79	
3. Emergent Fry	56,076,000	45.39	
4. Fed Fry	50,040,000	40.50	
5. Smolts			

B. Transfers, Morts, and Culls

Transfer Type	Date	Life Stage	FTP	Direction	Site/Discard Cause	Total
Total Transfers, Morts, and Culls						<input type="text"/>

C. Release Information

Release ID/ Tag Code	FTP	Ancestral Stock	Donor Stock	Site	Date Last Released	Life Stage	Total
!01186C1AA03		TUTKA LAGOON CR	TUTKA BAY H	TUTKA BAY 241-16	6/1/2018	FED FRY	21,881,986
!01186C1AA04		TUTKA LAGOON CR	TUTKA BAY H	TUTKA BAY 241-16	6/1/2018	FED FRY	28,158,014

Total Released

D. Other

Untagged ReleaseAnnual Report: **2018, SCHEDULE B-1**

Release ID Code: !01186CIAA03

General Information

Project Leader:	ELLER	Species:	PINK	Rearing Type:	HATCHERY
Agency:	CIAA	Brood Year:	2017	Release Type:	PRODUCTION
Division/Section:		Adult Run:	SUMMER	Mark Type:	TM
Facility:	TUTKA BAY	Release Group:	RELEASE	Thermal Mark ID:	TUTKA17PINK
Donor Stock:	TUTKA BAY H	FTP:	11A-0060	Hatch Code:	5,3H
Ancestral Stock:	TUTKA LAGOON CR	Experimental Class:			

Experimental Narrative: 250 characters max.

Untagged Release Information

Release Supervisor:	ELLER	Release Stage:	FED FRY
Release Site:	TUTKA BAY 241-16	Unmarked Counting Method:	WEIGHT DERIVED
Anadromous Stream #:		Expected Survival:	NORMAL

Size at Release		Release Dates		Total Fish Released				
Weight (g):	0.55	Fork Length (mm):		Began:	05/27/2018	Ended:	06/01/2018	21,881,986

Comments: 250 characters max.

ALL FISH RELEASED WITHIN TUTKA BAY LAGOON. INTENTION WAS TO RELEASE OUTSIDE BUT DUE TO ISSUES WITH PERMITTING AND ANCHORING THE NET PENS COULD NOT REMAIN IN TUTKA BAY. CHANGED PROJECT LEADER AND RELEASE SUPERVISOR FROM SGHATCHERY AS PER CIAA'S WEBSITE. JESS ELLER IS THE TUTKA BAY HATCHERY MANAGER (EK 1/18/19)

Untagged ReleaseAnnual Report: **2018, SCHEDULE B-1**

Release ID Code: !01186CIAA04

General Information

Project Leader:	CLARK	Species:	PINK	Rearing Type:	HATCHERY
Agency:	CIAA	Brood Year:	2017	Release Type:	PRODUCTION
Division/Section:		Adult Run:		Mark Type:	TM
Facility:	TUTKA BAY	Release Group:	TUTKA BAY NETPENS	Thermal Mark ID:	TUTKA17PINKA
Donor Stock:	TUTKA BAY H	FTP:	11A-0060	Hatch Code:	4,4H
Ancestral Stock:	TUTKA LAGOON CR	Experimental Class:			

Experimental Narrative: 250 characters max.

Untagged Release Information

Release Supervisor:	CLARK	Release Stage:	FED FRY
Release Site:	TUTKA BAY 241-16	Unmarked Counting Method:	WEIGHT DERIVED
Anadromous Stream #:		Expected Survival:	NORMAL

Size at Release		Release Dates		Total Fish Released
Weight (g):	0.55	Fork Length (mm):		
Began:	05/27/2018	Ended:	06/01/2018	28,158,014

Comments: 250 characters max.

Schedule C-1

2018 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

TUTKA BAY

Species **PINK**

Donor Stock **TUTKA BAY H**

Project **TUTKA BAY**

Ancestral Stock **TUTKA LAGOON CR**

A. Hatchery Escapement

1. Cost-recovery (line 12a & 12b): traditional harvest and roe-recovery fish	939,967
2. Adults sacrificed as broodstock (Schedule A line 8) minus roe-recovery fish (12b)	176,422
3. Escapement for hatchery watershed (as required in permit)	60,691
4. Jacks	
5. Other (annotate for each Other escapement return)	Other escapement Other escapement comment
6. Total hatchery escapement	1,177,080

Other Comments

B. Common Property Harvest

7. Commercial Harvest	
a. Troll	
b. Gillnet	31,721
c. Seine	152,599
d. Other (annotate for each Other commercial return)	Other commercial Other commercial comment
Total Commercial Harvest	184,320
8. Noncommercial Harvest	
a. Sport	3,500
b. Personal Use	
c. Subsistence	
d. Other (annotate for each Other noncommercial return)	Other noncommercial Other noncommercial comment
Total Noncommercial Harvest	3,500
9. Total Common Property Harvest (sum 7 and 8)	187,820
10. Total Return (sum 6 and 9)	1,364,900
11. Estimated ocean survival by brood year	

Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
2016	1,363,900	2.50	Yes

Total Ocean Survival

1,363,900

Harvest Comments

Sport fish is estimate on local view of fish harvested. At times up to 30 boats were in Tutka Bay Lagoon.

12. Disposition of Hatchery Escapement

a. Traditional harvest fish		# fish sold	lbs fish		
	adults	939,967	3,339,815		
	jacks				
	total	939,967	3,339,815		
b. Roe-recovery fish		# fish	lbs fish	lbs roe	
	Sold				
	Donated				
	Disposed				
	total number of fish				
c. Carcasses		# Sold	# Donated	# Disposed	Total
	Spawners			176,422	176,422
	Other (annotate in comments)				
	total number of fish			176,422	176,422
	total pounds				

Disposition Comments

Schedule D-1
PROJECTED RETURNS FOR 2019

TUTKA BAY

Run	Species	First Brood Year	Last Brood Year	Release Site	Total number of fish expected	Range of expected return	
						minimum	maximum
	PINK	2017	2017	TUTKA BAY 241-16	1,501,200	1,000,800	2,001,600
PINK					1,501,200	1,000,800	2,001,600

COMMENTS:

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

Schedule F-1

2018 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

TUTKA BAY

Species **PINK**

Donor Stock **TUTKA BAY H**

Project **TUTKA BAY**

Ancestral Stock **TUTKA LAGOON CR**

Continued from **2017, C-1**

A. Hatchery Escapement

1. Cost-recovery (line 12a & 12b): traditional harvest and roe-recovery fish	110,152
2. Adults sacrificed as broodstock (Schedule A line 8) minus roe-recovery fish (12b)	267,913
3. Escapement for hatchery watershed (as required in permit)	53,637
4. Jacks	
5. Other (annotate for each Other escapement return)	Other escapement Other escapement comment
6. Total hatchery escapement	431,702

Other Comments

B. Common Property Harvest

7. Commercial Harvest	
a. Troll	
b. Gillnet	4,964
c. Seine	84,627
d. Other (annotate for each Other commercial return)	Other commercial Other commercial comment
Total Commercial Harvest	89,591
8. Noncommercial Harvest	
a. Sport	2,000
b. Personal Use	
c. Subsistence	
d. Other (annotate for each Other noncommercial return)	Other noncommercial Other noncommercial comment
Total Noncommercial Harvest	2,000
9. Total Common Property Harvest (sum 7 and 8)	91,591
10. Total Return (sum 6 and 9)	523,293

11. Estimated ocean survival by brood year

Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
2015	523,293	4.60	Yes

Total Ocean Survival

523,293

Harvest Comments

8a. Estimated 2000 fish caught in sport fishery.

12. Disposition of Hatchery Escapement

a. Traditional harvest fish		# fish sold	lbs fish		
	adults	110,152	357,760		
	jacks				
	total	110,152	357,760		
b. Roe-recovery fish		# fish	lbs fish	lbs roe	
	Sold				
	Donated				
	Disposed				
	total number of fish				
c. Carcasses		# Sold	# Donated	# Disposed	Total
	Spawners			267,913	267,913
	Other (annotate in comments)				
	total number of fish			267,913	267,913
	total pounds			868,038	868,038

Disposition Comments