

2018 ANNUAL REPORT ALASKAN SALMON HATCHERY

Year ending December 15, 2018

Hatchery name/Location	PORT GRAHAM
Permit holder name/Address	Forrest Cohn

Person to contact	Forrest Cohn	name
regarding this report		phone

Schedule A - Egg-take

ID	Brood Year	Species	Ancestral Stock	Donor Stock	Egg-take Green	Eggs Retained	Eggs Survived
1	2018	PINK	PORT GRAHAM R 241-20	PORT GRAHAM H	18,385,026	18,385,026	10,495,033

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	BRUIN BAY CR 243-50	BRUIN BAY CR 243-50	1,448,927	335,690	305,000		
2	2017	PINK	PORT GRAHAM R 241-20	PORT GRAHAM H	35,212,600	24,592,800	23,847,000	20,850,000	

Schedule B - Section C - Release

ID	Release ID/Tag Code	Brood Year	Species	Ancestral Stock	Donor Stock	Site	Total Released
1	I01186CIAA02	2017	PINK	BRUIN BAY CR 243-50	BRUIN BAY CR 243-50	PAINT RIVER 243-20	305,000
2	I01186CIAA01	2017	PINK	PORT GRAHAM R 241-20	PORT GRAHAM H	PORT GRAHAM 241-20	20,850,000

Schedule C - Return

ID	Species	Ancestral Stock	Donor Stock	Project	Cost Recovery	Comm Property	Total Return
1	PINK	PORT GRAHAM R 241-20	PORT GRAHAM H	PORT GRAHAM-CIAA	57,550	308,500	460,050

Schedule F - Return

ID	Species	Stock	Project	Cost Recovery	Comm Property	Total Return
1	PINK	PORT GRAHAM H	PORT GRAHAM-CIAA		9,040	78,516

Schedule A-1

2018 ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

PORT GRAHAM

Continued to

1. Species	<input type="text" value="PINK"/>			
2. Donor stock	<input type="text" value="PORT GRAHAM H"/>			
3. Ancestral stock	<input type="text" value="PORT GRAHAM R 241-20"/>			
4. Viable broodstock (spawned, eggs in incubators)	<input type="text" value="12,000"/>	females	<input type="text" value="4,440"/>	males <input type="text" value="16,440"/> total
5. Inviabile broodstock (green/over-ripe/bad)	<input type="text" value="645"/>	females	<input type="text"/>	males <input type="text" value="645"/> total
6. Unspawned fish (roe recovery, excess males)	<input type="text" value="7,471"/>			
7. Holding mortalities (raceway, pen mortalities)	<input type="text" value="69,444"/>			
8. Adults sacrificed for broodstock (sum 4 thru 7)	<input type="text" value="94,000"/>			
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="1,532"/>	<input type="checkbox"/> Override auto calculation		
11. Egg-take dates (first date)	<input type="text" value="09/01/2018"/>			
12. Egg-take dates (last date)	<input type="text" value="09/16/2018"/>			
13. Number of green eggs taken	<input type="text" value="18,385,026"/>			

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="18,385,026"/>			
18. Number remaining in hatchery at eyed stage	<input type="text" value="10,495,033"/>	<input type="text" value="57.085"/>	% survival	<input type="checkbox"/> Override auto calculation
19. Describe procedures used for egg takes and evaluation of in-hatchery survivals:				

Common fish culture practices used. The most notable challenge at PGH is that egg-take is conducted in salt water. Typically CIAA runs a freshwater line to adult broodstock holding pens to assist with operations and ripening of fish. Multiple issues did not allow for this. There was considerable loss of adults in broodstock collection and the issues multiplied off of that.

Entered By Date Last Modified

Schedule B-1

2018 ANNUAL FISH CULTURE PRODUCTION REPORT

PORT GRAHAM

Species

Donor Stock

Brood Year

Ancestral Stock

Continued from to

A. Life Stage Information

	Actual Number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green Eggs	1,448,927	100	
2. Eyed Eggs	335,690	23.17	
3. Emergent Fry	305,000	21.05	
4. Fed Fry			None
5. Smolts			No smolt production

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
I01186CIAA02		BRUIN BAY CR 243-50	BRUIN BAY CR 243-50	PAINT RIVER 243-20	5/15/2018	EMERGENT FRY	305,000
Total Released							<input type="text" value="305,000"/>

D. Other

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

Release ID Code: !01186CIAA02

General Information

Project Leader:	MCWATERS	Species:	PINK	Rearing Type:	HATCHERY
Agency:	CIAA	Brood Year:	2017	Release Type:	PRODUCTION
Division/Section:		Adult Run:	SUMMER	Mark Type:	TM
Facility:	PORT GRAHAM	Release Group:	RELEASE AT PAINT RIVER	Thermal Mark ID:	PORTGRAHAM17A
Donor Stock:	BRUIN BAY CR 243-50	FTP:	15A-0070	Hatch Code:	5H5
Ancestral Stock:	BRUIN BAY CR 243-50	Experimental Class:			

Experimental Narrative: 250 characters max.

Untagged Release Information

Release Supervisor:	MCWATERS	Release Stage:	EMERGENT FRY
Release Site:	PAINT RIVER 243-20	Unmarked Counting Method:	WEIGHT DERIVED
Anadromous Stream #:	243-20-10020	Expected Survival:	NORMAL

Size at Release		Release Dates		Total Fish Released				
Weight (g):	0.27	Fork Length (mm):		Began:	05/15/2018	Ended:	05/15/2018	305,000

Comments: 250 characters max.

RELEASED BY FIXED WING AIRCRAFT. CHANGED PROJECT LEADER AND RELEASE SUPERVISOR FROM SGHATCHERY AS PER CIAA'S WEBSITE. MIKE MCWATERS IS THE PORT GRAHAM HATCHERY MANAGER (EK 1/18/19)

Schedule B-2

2018 ANNUAL FISH CULTURE PRODUCTION REPORT

PORT GRAHAM

Species

Donor Stock

Brood Year

Ancestral Stock

Continued from to

A. Life Stage Information

	Actual Number	% cum survival	Annotate transfers between hatcheries, significant mortalities, or provide other descriptive comments.
1. Green Eggs	35,212,600	100	
2. Eyed Eggs	24,592,800	69.84	
3. Emergent Fry	23,847,000	67.72	
4. Fed Fry	20,850,000	59.21	
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
!01186CIAA01		PORT GRAHAM R 241-20	PORT GRAHAM H	PORT GRAHAM 241-20	6/18/2018	FED FRY	20,850,000
Total Released							<input type="text" value="20,850,000"/>

D. Other

Untagged ReleaseAnnual Report: **2018, SCHEDULE B-2**

Release ID Code: !01186CIAA01

General Information

Project Leader:	MCWATERS	Species:	PINK	Rearing Type:	HATCHERY
Agency:	CIAA	Brood Year:	2017	Release Type:	PRODUCTION
Division/Section:		Adult Run:	SUMMER	Mark Type:	TM
Facility:	PORT GRAHAM	Release Group:	RELEASE	Thermal Mark ID:	PORTGRAHAM17
Donor Stock:	PORT GRAHAM H	FTP:	14A-0062	Hatch Code:	5H3
Ancestral Stock:	PORT GRAHAM R 241-20	Experimental Class:			

Experimental Narrative: 250 characters max.

Untagged Release Information

Release Supervisor:	MCWATERS	Release Stage:	FED FRY
Release Site:	PORT GRAHAM 241-20	Unmarked Counting Method:	WEIGHT DERIVED
Anadromous Stream #:		Expected Survival:	NORMAL

Size at Release		Release Dates		Total Fish Released				
Weight (g):	0.66	Fork Length (mm):		Began:	06/18/2018	Ended:	06/18/2018	20,850,000

Comments: 250 characters max.

RELEASE WENT AS PLANNED. CHANGED PROJECT LEADER AND RELEASE SUPERVISOR FROM TRFRAWLEY AS PER CIAA'S WEBSITE. MIKE MCWATERS IS THE PORT GRAHAM HATCHERY MANAGER (EK 1/18/19)

Schedule C-1

2018 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

PORT GRAHAM

Species **PINK**

Donor Stock **PORT GRAHAM H**

Project **PORT GRAHAM-CIAA**

Ancestral Stock **PORT GRAHAM R 241-20**

A. Hatchery Escapement

1. Cost-recovery (line 12a & 12b): traditional harvest and roe-recovery fish	57,550
2. Adults sacrificed as broodstock (Schedule A line 8) minus roe-recovery fish (12b)	94,000
3. Escapement for hatchery watershed (as required in permit)	
4. Jacks	
5. Other (annotate for each Other escapement return)	Other escapement Other escapement comment
6. Total hatchery escapement	151,550

Other Comments

B. Common Property Harvest

7. Commercial Harvest	
a. Troll	
b. Gillnet	
c. Seine	306,000
d. Other (annotate for each Other commercial return)	Other commercial Other commercial comment
Total Commercial Harvest	306,000
8. Noncommercial Harvest	
a. Sport	2,500
b. Personal Use	
c. Subsistence	
d. Other (annotate for each Other noncommercial return)	Other noncommercial Other noncommercial comment
Total Noncommercial Harvest	2,500
9. Total Common Property Harvest (sum 7 and 8)	308,500
10. Total Return (sum 6 and 9)	460,050

11. Estimated ocean survival by brood year	Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
	2016	460,050	7.60	

Total Ocean Survival

460,050

Harvest Comments

Fish ticket sales and estimation of broodstock collected.

12. Disposition of Hatchery Escapement

a. Traditional harvest fish		# fish sold	lbs fish		
	adults	57,550	225,533		
	jacks				
	total	57,550	225,533		
b. Roe-recovery fish		# fish	lbs fish	lbs roe	
	Sold				
	Donated				
	Disposed				
	total number of fish				
c. Carcasses		# Sold	# Donated	# Disposed	Total
	Spawners			94,000	94,000
	Other (annotate in comments)				
	total number of fish			94,000	94,000
	total pounds				

Disposition Comments

Schedule D-1
PROJECTED RETURNS FOR 2019

PORT GRAHAM

Run	Species	First Brood Year	Last Brood Year	Release Site	Total number of fish expected	Range of expected return	
						minimum	maximum
SUMMER	PINK	2017	2017	PORT GRAHAM 241-20	9,150	6,100	12,200
SUMMER	PINK	2017	2017	PORT GRAHAM 241-20	625,500	417,000	834,000
PINK					634,650	423,100	846,200

COMMENTS:

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

Schedule F-1

2018 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

PORT GRAHAM

Species **PINK**

Donor Stock **PORT GRAHAM H**

Project **PORT GRAHAM-CIAA**

Ancestral Stock **PORT GRAHAM R 241-20**

Continued from **2017, C-1**

A. Hatchery Escapement

1. Cost-recovery (line 12a & 12b): traditional harvest and roe-recovery fish	
2. Adults sacrificed as broodstock (Schedule A line 8) minus roe-recovery fish (12b)	69,249
3. Escapement for hatchery watershed (as required in permit)	227
4. Jacks	
5. Other (annotate for each Other escapement return)	Other escapement Other escapement comment
6. Total hatchery escapement	69,476

Other Comments

B. Common Property Harvest

7. Commercial Harvest	
a. Troll	
b. Gillnet	165
c. Seine	8,375
d. Other (annotate for each Other commercial return)	Other commercial Other commercial comment
Total Commercial Harvest	8,540
8. Noncommercial Harvest	
a. Sport	500
b. Personal Use	
c. Subsistence	
d. Other (annotate for each Other noncommercial return)	Other noncommercial Other noncommercial comment
Total Noncommercial Harvest	500
9. Total Common Property Harvest (sum 7 and 8)	9,040
10. Total Return (sum 6 and 9)	78,516

11. Estimated ocean survival by brood year

Brood Year	Total # in Run, Current Year	Cumulative Ocean Survival (%)	Complete Return (yes or no)
2015	78,516	5.99	Yes

Total Ocean Survival

78,516

Harvest Comments

12. 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			69,249	69,249
	Other (annotate in comments)				
	total number of fish			69,249	69,249
	total pounds			249,269	249,269

Disposition Comments

Sport fish catch is an estimate.