

**TRAIL LAKES HATCHERY
ANNUAL REPORT
2006**

Cook Inlet Aquaculture Association
Trenten T. Dodson, CIAA Biologist
December 2006

This year's operation of the Trail Lakes Hatchery was made possible through enhancement taxes paid by commercial salmon fishermen in Area H, Cook Inlet and associated waters, through the harvest and sale of surplus fish, and a grant administered through the National Oceanic and Atmospheric Administration and the Alaska Department of Fish and Game provided by Senator Ted Stevens.

ABSTRACT

Reports such as this one covering the operations of the Trail Lakes Hatchery are prepared annually for each hatchery the Cook Inlet Aquaculture Association (CIAA) operates and are submitted to the Alaska Department of Fish and Game.

Such reports cover a calendar year (report year) and, thus, address overlapping fish brood years.

This report covers events during calendar year 2006.

Schedule A data deal with eggs collected during the report year – 2006.

Sockeye salmon and coho salmon egg collections were conducted for Trail Lakes Hatchery programs following procedures for delayed fertilization. Numeric egg collections were attained for all sockeye and coho salmon programs.

Schedule B data deal with fish released during the report year – 2006.

Sockeye salmon were released into Bear Lake, Hidden Lake, Tutka Bay Lagoon, and Meadow Creek (Big Lake). Numeric sockeye release goals were not met at Meadow Creek (Big Lake), Hazel Lake, Kirschner Lake, Leisure Lake, since the 2005 egg take goals for these projects were not met.

Coho salmon were released into Bear Lake (Seward), Bear Creek (Seward), Resurrection Bay, Fish Creek Reservoir at Seldovia, and the Homer spit. All numeric coho salmon release goals were met.

Schedule C data deal with fish harvested in the common property fisheries; fish used for brood stock and fish harvested for cost recovery revenues during the report year – 2006.

Sockeye salmon and coho salmon returning to the Bear Creek weir complex were harvested and sold when the flesh quality was acceptable for human consumption or harvested and donated to dog mushers when the flesh quality was unacceptable for human consumption. Cost recovery harvest for sockeye salmon returning to Bear Lake also occurred in Resurrection Bay. Cost Recovery goals at Bear Lake were not met.

Sockeye salmon cost recovery harvests were also completed at Leisure, Hazel, and Kirschner Lakes. Revenue goals for harvests at Leisure, Hazel and Kirschner Lakes were met.

Sockeye salmon and coho salmon broodstock were collected at Bear, Hidden, and Big Lakes to support Trail Lakes Hatchery projects. These

projects contribute to all common property fisheries with one exception. The commercial harvest of the return of coho salmon to Resurrection Bay is precluded by regulation.

Schedule D data project the total adult return for the coming year – 2007.

Returns were projected for 2007 based on the number of fish released in the stocking year or smolt migration (when available) and assumed survival rates.

Schedule F data are presented only when information reported in the prior year's annual report needs to be corrected or updated, and Schedule F is used infrequently by CIAA.

There were additions to the 2005 data; schedules F-5, F-6, and F-7 have been updated.

INTRODUCTION

The Trail Lakes Hatchery is owned by the State of Alaska, operated by CIAA and is located on the Seward Highway near Moose Pass. No fish releases are made at the facility. With the programs transferred from the Eklutna Salmon Hatchery, releases are made at ten locations for the primary purpose of contributing to the common property fisheries of Cook Inlet.

The Trail Lakes Hatchery sockeye salmon releases return to the stocking sites as adults through the recreational and commercial fisheries of the Central District, the Northern District and Lower Cook Inlet including Resurrection Bay. Coho salmon releases return to the stocking sites as adults through the recreational fisheries of Lower Cook Inlet (Resurrection Bay).

The Trail Lakes Hatchery operates under Private Non-Profit Permit #27 issued in 1988 and has a permitted capacity of 30.0 million sockeye salmon eggs, 6.0 million coho salmon eggs and 4.0 million Chinook salmon eggs. The Fish Transport Permits (FTP's) under which CIAA operates the programs of the Trail Lakes Hatchery are as follows:

Permit Number	Expiration Date	Activity
02A-0049	07/31/07	Collection of up to 6.25 million sockeye salmon eggs from Meadow Creek and the rearing and release of the subsequent fry. Up to 3.0 million fry may be released into Big Lake and 2.0 million into Blodgett Lake. (This replaces FTP 93A-0193 for Eklutna Salmon Hatchery, which expired on 06/30/98.)
02A-0050	07/31/07	Transport and release of up to 1.25 million sockeye salmon fry at Hazel Lake. (This replaces FTP 96A-0080 for Eklutna Salmon Hatchery, which had an expiration date of 12/31/07.)
02A-0051	07/31/07	Transport and release of up to 0.25 million sockeye salmon fry at Kirschner Lake. (This replaces FTP 96A-0081 for Eklutna Salmon Hatchery, which had an expiration date of 12/31/07.)
02A-0052	07/31/07	Transport and release of up to 2.00 million sockeye salmon fry at Leisure Lake. (This replaces FTP 96A-0082 for Eklutna Salmon Hatchery, which had an expiration date of 12/31/07.)
93A-0030	06/30/08	Collection of coho salmon eggs from Bear Lake and the rearing and release of no more than 0.450 million of the subsequent fry into Bear Lake.
93A-0031	06/30/08	Collection of coho salmon eggs from Bear Lake and the rearing and release of no more than 0.250 million of the subsequent smolts into Bear Lake.
93A-0032	06/30/08	Collection of up to 4.1 million sockeye salmon eggs from Bear Lake and the rearing and release of the subsequent fry into Bear Lake.

06A-0034	06/15/06	Transfer 0.875 million Bear Lake sockeye salmon smolt to Eklutna Salmon Hatchery
06A-0033	06/15/06	Transfer 0.45 million Bear Lake coho salmon smolt to Eklutna Salmon Hatchery
04A-0053	06/30/05	Collection of up to 0.235 million coho salmon eggs from Bear Lake and the rearing and release of no more than 0.150 million of the subsequent smolts into Homer Spit.
06A-0059	06/30/08	Collection of up to 0.235 million coho salmon eggs from Bear Lake and the rearing and release of no more than 0.150 million of the subsequent smolts into Fish Creek Reservoir at Seldovia.
93A-0036	06/30/08	Collection of up to 2.2 million sockeye salmon eggs from Hidden Lake and the rearing and release of the subsequent fry into Hidden lake.
96A-0086	06/30/07	Transport and release of up to 6.0 million sockeye salmon fry at Tustumena Lake
04A-0064	10/15/09	Collection of up to 1.56 million sockeye salmon eggs from Hidden Lake and the rearing and release of the subsequent of up to 1.25 million fry into Hazel Lake.
04A-0065	10/15/09	Collection of up to 0.31 million sockeye salmon eggs from Hidden Lake and the rearing and release of the subsequent of up to 0.25 million fry into Kirschner Lake.
04A-0066	10/15/09	Collection of up to 2.5 million sockeye salmon eggs from Hidden Lake and the rearing and release of the subsequent of up to 2.0 million fry into Leisure Lake.
06A-0095	06/30/10	Transport of up to 0.5 million sockeye salmon presmolt to Tutka Bay Lagoon. Reared and released as smolt.

ANNUAL REPORT SALMON HATCHERY

Year Ended December 15, 2006

Hatchery name/Location
Permit holder name/Address

Trail Lakes Hatchery
Cook Inlet Aquaculture Association
40610 Kalifornsky Beach Road
Kenai, AK 99611

Person to contact
regarding this report

Trenten T. Dodson	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 L. Fandrei

Name of Legal Representative

12/5/2006

Date

Signature of Representative

Part 1. REPORT OF THIS YEAR'S PERFORMANCE

A. Complete the following schedules of production statistics for this year. Use the metric system for length and weight measurements.

Schedule A- Annual Broodstock Report

Schedule B- Fish Culture Report

Schedule C- Harvest Management and Hatchery Returns

If this site is a central incubation Facility, complete a separate schedule for each remote release site.

Part 2. PROJECTED RETURNS FOR NEXT YEAR

A. Complete Schedule D with each species and each release site.

Part 3. UPDATED SCHEDULES FOR PRIOR YEAR ANNUAL REPORT ARE MANDATORY

A. Updated schedule C (called F) is attached. Please update the information we have on file, if changes have occurred or numbers have been finalized.

SCHEDULE A-1

ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

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

Trail Lakes Hatchery

1. Species	Sockeye Salmon				Trail Lakes Hatchery
2. Donor stream (name/number):	Bear Lake (Seward) 231-30-10080-2010-3065-4010-0010				
3. Adults used for broodstock	2,008	females	2,052	males	jacks 4,060 total
4. Average length and weight of adults used for broodstock					
females>		cm		kg	
males>		cm		kg	
5. Average fecundity (eggs/female):	3,115				
6. Eggtake dates:	7/26-8/18				
7. Number of green eggs taken:	6,087,000				
8. Number placed in hatchery ¹	6,087,000				
9. Number surviving to eyed	5,444,000				89.44% survival ²

10. Describe procedures used for egg takes and evaluation of in-hatchery survivals:

#9 Poor quality broodstock and poor egg quality resulted in low eyed egg survival

#10 All eggs and milt transferred directly to Trail Lakes Hatchery. Delayed fertilization technique used following ADF&G

Sockeye Salmon protocol. Survival estimates based on average egg weights.

1. Provide explanation if greater than number of green eggs take 2. Provide explanation for survivals less than 90%.

SCHEDULE A-2

ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

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

Trail Lakes Hatchery

1. Species	Sockeye Salmon				Trail Lakes Hatchery
2. Donor stream (name/number):	Meadow Creek (Big Lake) 247-50-10330-2050				
3. Adults used for broodstock	2,864	females	2,986	males	jacks 5,850 total
4. Average length and weight of adults used for broodstock					
females>		cm		kg	
males>		cm		kg	
5. Average fecundity (eggs/female):	2,284				
6. Eggtake dates:	8/8-8/18				
7. Number of green eggs taken:	6,483,000				
8. Number placed in hatchery ¹	6,483,000				
9. Number surviving to eyed	5,895,000				90.93% survival ²

10. Describe procedures used for egg takes and evaluation of in-hatchery survivals:

#10 All eggs and milt transferred directly to Trail Lakes Hatchery. Delayed fertilization technique used following ADF&G Sockeye Salmon protocol. Survival estimates based on average egg weights.

1. Provide explanation if greater than number of green eggs take 2. Provide explanation for survivals less than 90%.

SCHEDULE A-3

ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

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

Trail Lakes Hatchery

1. Species	Sockeye Salmon				Trail Lakes Hatchery
2. Donor stream (name/number):	Hidden Lake (Kenai Peninsula) 244-30-10010-2137-0010				
3. Adults used for broodstock	2,340	females	2,350	males	jacks 4,690 total
4. Average length and weight of adults used for broodstock					
females>		cm		kg	
males>		cm		kg	
5. Average fecundity (eggs/female):					
6. Eggtake dates:	9/12-9/26				
7. Number of green eggs taken:					
8. Number placed in hatchery ¹					
9. Number surviving to eyed					#DIV/0! survival ²

10. Describe procedures used for egg takes and evaluation of in-hatchery survivals:

#10 All eggs and milt transferred directly to Trail Lakes Hatchery. Delayed fertilization technique used following ADF&G Sockeye Salmon protocol. Survival estimates based on average egg weights.

1. Provide explanation if greater than number of green eggs take 2. Provide explanation for survivals less than 90%.

SCHEDULE A-4

ANNUAL BROODSTOCK AND INITIAL SURVIVAL REPORT

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

Trail Lakes Hatchery

1. Species	Coho Salmon		Trail Lakes Hatchery
2. Donor stream (name/number):	Bear Lake (Seward) 231-30-10080-2010-3065-4010-0010		
3. Adults used for broodstock	359	females	245
		males	[]
		jacks	604
total			
4. Average length and weight of adults used for broodstock			
females>	[]	cm	[]
males>	[]	cm	[]
5. Average fecundity (eggs/female):	[]		
6. Eggtake dates:	10/5-10/17		
7. Number of green eggs taken:	[]		
8. Number placed in hatchery ¹	[]		
9. Number surviving to eyed	[]		
	#DIV/0!	% survival ²	

10. Describe procedures used for egg takes and evaluation of in-hatchery survivals:
#10 575,000 eggs and milt were transferred to the Trail Lakes Hatchery. Delayed fertilization technique used.
566,000 eggs were transferred to Trail Lakes Hatchery after immediate on-site fertilization technique.

1. Provide explanation if greater than number of green eggs take 2. Provide explanation for survivals less than 90%.

SCHEDULE B-1

ANNUAL FISH CULTURE PRODUCTION REPORT

Complete this schedule for each species and stock of eggs (or fish) cultured this year from prior broodyears. Please provide explanations for any differences in reported numbers of green eggs and eyed eggs from those reported last year by species and stock.

FISH CULTURE REPORT

Trail Lakes Hatchery

Species: Sockeye

Stock: Bear Lake (Seward)

Brood year: 2004

A. Lifestage Information

	Actual number	% cum survival	Transfers- between hatcheries (annotate)
1. Green eggs	5,661,000	100%	
2. Eyed eggs	4,989,000	88%	
3. Emergent fry	4,839,000	85%	
4. Fed fry	4,742,000	84%	fry and presmolts released in 2005
5. Smolts	1,065,000	19%	

B. Release Information

Site	Release			Size		Expected adult return	Year(s) of return
	Number	date	lifestage	gm/fish	mm/fish		
Bear Lake (Seward)	2,416,000	6/27-6/28/05	fry	0.74		108,000	2008, 2009
Bear Lake (Seward)	604,000	11/8-11/10/05	presmolt	2.87		24,000	2008, 2009
Bear Lake (Seward)	979,000	5/22-6/9/06	smolt	10		40,000	2008, 2009
Total:	3,999,000						

C. Tagging/Marking

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

	Fry Hatch Code: H4	Rbr: 2:1.4
:	Presmolt Code: 2,4H	Rbr: 1:1.2,2.4
	Smolt Hatch Code: 3,3H3	Rbr: 1:1.3,2.3,+3.3

D. Other

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

Please see ADF&G Fish Pathology Section Accession Nos. 2006-0048, 2006-0004

SCHEDULE B-2 ANNUAL FISH CULTURE PRODUCTION REPORT

Complete this schedule for each species and stock of eggs (or fish) cultured this year from prior broodyears. Please provide explanations for any differences in reported numbers of green eggs and eyed eggs from those reported last year by species and stock.

FISH CULTURE REPORT

Trail Lakes Hatchery

Species:

Stock:

Brood year:

A. Lifestage Information

	Actual number	% cum survival	Transfers- between hatcheries (annotate)
1. Green eggs	4,002,000	100%	
2. Eyed eggs	3,618,000	90%	
3. Emergent fry	3,509,000	88%	
4. Fed fry	3,404,000	85%	fry released in 2006 (see Section B)
5. Smolts	737,000	18%	for release in 2007

B. Release Information

Site	Release			Size		Expected adult return	Year(s) of return
	Number	date	lifestage	gm/fish	mm/fish		
Bear Lake (Seward)	2,414,000	6/21-6/22	06 fry	0.52		108,000	2009, 2010
Total:	2,414,000						

C. Tagging/Marking

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

Fry Hatch Code	6H	Rbr: 1:1.6
Presmolt Hatch Code	2,1H	Rbr: 1:1.2,2.1

D. Other

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

none

SCHEDULE B-3

ANNUAL FISH CULTURE PRODUCTION REPORT

Complete this schedule for each species and stock of eggs (or fish) cultured this year from prior broodyears. Please provide explanations for any differences in reported numbers of green eggs and eyed eggs from those reported last year by species and stock.

FISH CULTURE REPORT

Trail Lakes Hatchery

Species: Sockeye

Stock: Hidden Lake (Kenai)

Brood year: 2004

A. Lifestage Information

	Actual number	% cum survival	Transfers- between hatcheries (annotate)
1. Green eggs	5,445,000	100%	
2. Eyed eggs	4,967,000	91%	
3. Emergent fry	4,917,000	90%	
4. Fed fry	4,873,000	89%	
5. Smolts	284,000	5%	released in 2006

B. Release Information

Site	Release			Size		Expected adult return	Year(s) of return
	Number	date	lifestage	gm/fish	mm/fish		
Hidden Lake(Kenai)	573,000	6/6	05 fry	0.119		55,700	2008, 2009
Hazel Lake	1,558,000	6/15	05 fry	0.131		62,300	2008, 2009
Leisure Lake	2,252,000	6/15	05 fry	0.125		90,000	2008, 2009
Kirschner Lake	316,000	6/15	05 fry	0.128		31,600	2008, 2009
Tutka Bay Hatchery	260,000	4/26	06 smolt	10		no estimate	2008, 2009
Total:		4,959,000					

C. Tagging/Marking

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

Hidden Lake fry Hatch Code	4,2H	Rbr: 1:1.4,2.2
Hazel Lake fry Hatch Code	2,2H	Rbr: 1:1.2,2.2
Leisure Lake fry Hatch Code	2,2H	Rbr: 1:1.2,2.2
Kirschner Lake fry Hatch Code	2,2H	Rbr: 1:1.2,2.2
Tutka Bay Hatchery smolts Hatch Code	2,2H	Rbr: 1:1.2,2.2

D. Other

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

Please see ADF&G Fish Pathology Section Accession Nos. 2006-0028, 2005-0071

SCHEDULE B-4

ANNUAL FISH CULTURE PRODUCTION REPORT

Complete this schedule for each species and stock of eggs (or fish) cultured this year from prior broodyears. Please provide explanations for any differences in reported numbers of green eggs and eyed eggs from those reported last year by species and stock.

FISH CULTURE REPORT

Trail Lakes Hatchery

Species: Sockeye

Stock: Hidden Lake (Kenai)

Brood year: 2005

A. Lifestage Information

	Actual number	% cum survival	Transfers- between hatcheries (annotate)
1. Green eggs	2,027,000	100%	
2. Eyed eggs	1,642,000	81%	
3. Emergent fry	1,593,000	79%	
4. Fed fry	1,545,000	76%	
5. Smolts	193,000	10%	for release at Tutka Bay Hatchery in 2007

B. Release Information

Site	Release			Size		Expected adult return	Year(s) of return
	Number	date	lifestage	gm/fish	mm/fish		
Hidden Lake	582,000	5/18	06 fry	0.089		56,000	2009, 2010
Leisure Lake	680,000	6/29	06 fry	0.193		27,000	2009, 2010
Total:	1,262,000						

C. Tagging/Marking

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

Hidden Lake fry Hatch Code	H2,2,2	Rbr: 2:1.2,2.2,3.2
Leisure Lake fry Hatch Code	H3,1	Rbr: 2:1.3,2.1

D. Other

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

Please see ADF&G Fish Pathology Section Accession Nos. 2007-0021, 2006-0087

SCHEDULE B-5 ANNUAL FISH CULTURE PRODUCTION REPORT

Complete this schedule for each species and stock of eggs (or fish) cultured this year from prior broodyears. Please provide explanations for any differences in reported numbers of green eggs and eyed eggs from those reported last year by species and stock.

FISH CULTURE REPORT

Trail Lakes Hatchery

Species:

Stock:

Brood year:

A. Lifestage Information

	Actual number	% cum survival	Transfers- between hatcheries (annotate)
1. Green eggs	2,185,000	100%	
2. Eyed eggs	1,662,000	76%	
3. Emergent fry	1,612,000	74%	
4. Fed fry	1,564,000	72%	
5. Smolts	409,000	19%	for release in 2007

B. Release Information

Site	Release			Size		Expected adult return	Year(s) of return
	Number	date	lifestage	gm/fish	mm/fish		
Meadow Ck.	444,000	6/13 06	fry	0.846		18,000	2009, 2010
Meadow Ck.	426,000	11/22-11/29 06	presmolt	4.7		no estimate	2009, 2010
Total:	870,000						

C. Tagging/Marking

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

Meadow Ck. Fry Hatch Code	H4	Rbr: 2:1.4
Meadow Ck. Presmolt Hatch Code	H6	Rbr: 2:1.6
Meadow Ck. Smolt Hatch Code	H2,4	Rbr: 2:1.2,2.4

D. Other

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

none

SCHEDULE B-6 ANNUAL FISH CULTURE PRODUCTION REPORT

Complete this schedule for each species and stock of eggs (or fish) cultured this year from prior broodyears. Please provide explanations for any differences in reported numbers of green eggs and eyed eggs from those reported last year by species and stock.

FISH CULTURE REPORT

Trail Lakes Hatchery

Species: Sockeye

Stock: English Bay Lake

Brood year: 2004

A. Lifestage Information

	Actual number	% cum survival	Transfers- between hatcheries (annotate)
1. Green eggs	1,562,000	100%	
2. Eyed eggs	1,349,000	86%	
3. Emergent fry	1,309,000	84%	
4. Fed fry	1,283,000	82%	approx. 575,000 fry lost during raceway overflow
5. Smolts	505,000	32%	released at Port Graham in 2006

B. Release Information

Site	Release			Size		Expected adult return	Year(s) of return
	Number	date	lifestage	gm/fish	mm/fish		
English Bay Lake	203,000	10/10-10/12 05	presmolt	2.18		no estimate	2008, 2009
Port Graham	499,000	5/4-5/12 06	smolt	11.17		no estimate	2008, 2009
Total:	702,000						

C. Tagging/Marking

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

88,000 English Bay Lake fry Hatch Code	H3,2	Rbr: 2:1.3,2.2
115,000 English Bay Lake fry Hatch Code	H3,3	Rbr: 2:1.3,2.3
Port Graham smolt Hatch Code	H3,4	Rbr: 2:1.3,2.4

D. Other

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

On 5/4/2006 approx. 73,000 fish were lost during transport.

SCHEDULE B-7 ANNUAL FISH CULTURE PRODUCTION REPORT

Complete this schedule for each species and stock of eggs (or fish) cultured this year from prior broodyears. Please provide explanations for any differences in reported numbers of green eggs and eyed eggs from those reported last year by species and stock.

FISH CULTURE REPORT

Trail Lakes Hatchery

Species:

Stock:

Brood year:

A. Lifestage Information

	Actual number	% cum survival	Transfers- between hatcheries (annotate)
1. Green eggs	1,673,000	100%	
2. Eyed eggs	1,557,000	93%	
3. Emergent fry	1,510,000	90%	
4. Fed fry	1,480,000	88%	
5. Smolts	700,000	42%	for release in 2006

B. Release Information

Site	Release			lifestage	Size		Expected adult return	Year(s) of return
	Number	date			gm/fish	mm/fish		
Bear Lake (Seward)	405,000	7/3	05	fry	1.3		3,800	2007
Homer Spit	324,000	6/7-6/14	06	smolt	10.9		23,000	2007
Lowell Falls(Seward)	146,000	6/16	06	smolt	10.5		10,300	2007
Seldovia	114,000	6/6	06	smolt	10.5		8,000	2007
Bear Lake (Seward)	115,000	5/30	06	smolt	10.8		8,000	2007
Total:		1,104,000						

C. Tagging/Marking

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

Coho fry Hatch Code	3,3H	Rbr: 1:1.3,2.3
Coho smolt Hatch Code	3,3H2	Rbr: 1:1.3,2.3+3.2

D. Other

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

Please see ADF&G Fish Pathology Section Accession Nos. 2005-0077, 2005-0072

SCHEDULE B-8

ANNUAL FISH CULTURE PRODUCTION REPORT

Complete this schedule for each species and stock of eggs (or fish) cultured this year from prior broodyears. Please provide explanations for any differences in reported numbers of green eggs and eyed eggs from those reported last year by species and stock.

FISH CULTURE REPORT

Trail Lakes Hatchery

Species:

Stock:

Brood year:

A. Lifestage Information

	Actual number	% cum survival	Transfers- between hatcheries (annotate)
1. Green eggs	1,415,000	100%	
2. Eyed eggs	1,253,000	89%	
3. Emergent fry	1,215,000	86%	
4. Fed fry	1,179,000	83%	
5. Smolts	687,000	49%	for release in 2007

B. Release Information

Site	Release			Size		Expected adult return	Year(s) of return
	Number	date	lifestage	gm/fish	mm/fish		
Bear Lake(Seward)	447,000	6/20	06 fry	0.84		4,200	2008
Total:	447,000						

C. Tagging/Marking

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

Bear Lake Coho fry Hatch Code	H3,3	Rbr: 2:1.3,2.3
Bear Lake Coho smolt Hatch Code	H2,2	Rbr: 2:1.2,2.2
Bear Lake Coho smolt Hatch Code	H3,1	Rbr: 2:1.3,2.1

D. Other

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

Please see ADF&G Fish Pathology Section Accession No. 2007-0034

**SCHEDULE C-1
HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS**

Complete a separate schedule for each project and species.

Species: **Trail Lakes Hatchery**
Location of harvest/return

1. Number of fish harvested under Hatchery Harvest Permit	adults	18,921	
	jacks		
2. Hatchery broodstock			
3. Broodstock for hatchery watershed			
4. Jacks			
5. Excess fish (surplus to all other requirements)			
6. Other: ² <input type="text" value="Below Barrier"/> explain>	number	820	
7. Total return to hatchery			19,741
8. Estimated contribution to common property fisheries			
A. Commercial			
1. Troll			
2. Gillnet			
3. Seine			
TOTAL			-
B. Sport			
C. Other: <input type="text" value="Sprot/PU"/> explain>		5,550	
9. Total return(sum 7+8A, B, C)			25,291

	BY	Total # returning in 2006	cumulative % survival	
10. Estimated ocean survival by BY ³				%
				%
				%
				%

11. Average size of fish sold <length-cm wt-kg
 12. Date(s) of harvest
 13. Gear type or method used

	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	D. Total \$ received
14. Whole fish harvested/sold	18,921	84,191	0.98	\$ 82,374.9
15. Fish donated				
16. Carcasses sold				\$ -
17. Roe processed/sold				\$ -
18. Broodstock disposed				
19. Total dollars received (sum lines 14,16,17)				\$ 82,375
20. Total corporate revenue ⁴ sources <input type="text" value="all sources"/>			\$ 2,232,574.00	
21. Amount required to recover corporate costs			\$ 2,114,398.00	
22. Total surplus or deficit at corporation(line 20-line 21)				\$ 118,176

1. **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
 2. **Other fish.** (e.g. fish remaining in saltwater after egg take is complete, straying).
 3. **Estimated ocean survival.** Provide method used in estimation.
 4. **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory. Period covered is January 1 – December 31.

SCHEDULE C-2

HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete a separate schedule for each project and species.

Species: **Trail Lakes Hatchery**
Location of harvest/return

1. Number of fish harvested under Hatchery Harvest Permit	adults	26,130	
	jacks		
2. Hatchery broodstock			
3. Broodstock for hatchery watershed			
4. Jacks			
5. Excess fish (surplus to all other requirements ¹)			
6. Other: ² <input type="text" value=""/> explain>	number		
7. Total return to hatchery			26,130
8. Estimated contribution to common property fisheries			
A. Commercial			
1. Troll			
2. Gillnet			
3. Seine		24,130	
TOTAL			24,130
B. Sport			
C. Other: <input type="text" value=""/> explain>			
9. Total return(sum 7+8A, B, C)			50,260

	BY	Total # returning in 2006	cumulative % survival	
10. Estimated ocean survival by BY ³				%
				%
				%
				%
				%

11. Average size of fish sold	ND	<length-cm	1.8	wt-kg
12. Date(s) of harvest	7/7/2006 to 7/14/2006			
13. Gear type or method used	Purse Seine			

	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	D. Total \$ received
14. Whole fish harvested/sold	26,310	106,925	0.50	\$ 53,939.8
15. Fish donated				
16. Carcasses sold				\$ -
17. Roe processed/sold				\$ -
18. Broodstock disposed				
19. Total dollars received (sum lines 14,16,17)				\$ 53,940
20. Total corporate revenue ⁴ sources		all sources		\$ 2,232,574.00
21. Amount required to recover corporate costs				\$ 2,114,398.00
22. Total surplus or deficit at corporation(line 20-line 21)				\$ 118,176

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete, straying).
³ **Estimated ocean survival.** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory
 Period covered is January 1 – December 31

**SCHEDULE C-3
HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS**

Complete a separate schedule for each project and species.

Species: **Trail Lakes Hatchery**
Location of harvest/return

1. Number of fish harvested under Hatchery Harvest Permit	adults	34,655	
	jacks		
2. Hatchery broodstock		4,060	
3. Broodstock for hatchery watershed		8,338	
4. Jacks			
5. Excess fish (surplus to all other requirements ¹)			
6. Other: ² explain> <input type="text" value="Fish in Creek"/>	number	4	
7. Total return to hatchery			47,057
8. Estimated contribution to common property fisheries			
A. Commercial			
1. Troll			
2. Gillnet			
3. Seine		27,793	
TOTAL			27,793
B. Sport			
C. Other: explain> <input type="text"/>			
9. Total return(sum 7+8A, B, C)			74,850

	BY	Total # returning in 2006	cumulative % survival	
10. Estimated ocean survival by BY ³				%
				%
				%
				%
				%

11. Average size of fish sold <length-cm wt-kg
 12. Date(s) of harvest
 13. Gear type or method used

	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	D. Total \$ received
14. Whole fish harvested/sold	30,339	101,862	1.30	\$ 132,382.6
15. Fish donated	4,316	22,566		
16. Carcasses sold				\$ -
17. Roe processed/sold				\$ -
18. Broodstock disposed				
19. Total dollars received (sum lines 14,16,17)				\$ 132,383
20. Total corporate revenue ⁴ sources <input type="text" value="all sources"/>				\$ 2,232,574.00
21. Amount required to recover corporate costs				\$ 2,114,398.00
22. Total surplus or deficit at corporation(line 20-line 21)				\$ 118,176

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete, straying).
³ **Estimated ocean survival.** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory
 Period covered is January 1 – December 31

**SCHEDULE C-4
HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS**

Complete a separate schedule for each project and species.

Species: Coho Salmon **Trail Lakes Hatchery**
Location of harvest/return: Bear Lake

1. Number of fish harvested under Hatchery Harvest Permit	adults	1,511	
	jacks		
2. Hatchery broodstock		604	
3. Broodstock for hatchery watershed		2,042	
4. Jacks			
5. Excess fish (surplus to all other requirements ¹)			
6. Other: ² explain> <input type="text"/>	number		
7. Total return to hatchery			4,157
8. Estimated contribution to common property fisheries			
A. Commercial			
1. Troll			
2. Gillnet			
3. Seine			
TOTAL			-
B. Sport			
C. Other: explain> <input type="text"/>			
9. Total return(sum 7+8A, B, C)			4,157

	BY	Total # returning in 2006	cumulative % survival	
10. Estimated ocean survival by BY ³	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%

11. Average size of fish sold	<input type="text"/>	<length-cm	<input type="text"/>	wt-kg
12. Date(s) of harvest	<input type="text"/>			
13. Gear type or method used	<input type="text"/>			

	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	D. Total \$ received
14. Whole fish harvested/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
15. Fish donated	<input type="text"/>	<input type="text"/>	<input type="text"/>	
16. Carcasses sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
17. Roe processed/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
18. Broodstock disposed	<input type="text"/>	<input type="text"/>	<input type="text"/>	
19. Total dollars received (sum lines 14,16,17)				\$ -
20. Total corporate revenue ⁴ sources <input type="text"/> all sources				\$ 2,232,574.00
21. Amount required to recover corporate costs				\$ 2,114,398.00
22. Total surplus or deficit at corporation(line 20-line 21)				\$ 118,176

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete, straying).
³ **Estimated ocean survival.** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory
 Period covered is January 1 – December 31

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

Complete a separate schedule for each project and species.

Species: **Trail Lakes Hatchery**
Location of harvest/return

1. Number of fish harvested under Hatchery Harvest Permit	adults	<input type="text"/>
	jacks	<input type="text"/>
2. Hatchery broodstock		4,690
3. Broodstock for hatchery watershed		33,852
4. Jacks		<input type="text"/>
5. Excess fish (surplus to all other requirements ¹)		<input type="text"/>
6. Other: ² <input type="text" value="Otolith Samples (CIAA)"/> explain>	number	92
7. Total return to hatchery		38,634
8. Estimated contribution to common property fisheries		
A. Commercial		
1. Troll		<input type="text"/>
2. Gillnet		21,049
3. Seine		<input type="text"/>
TOTAL		21,049
B. Sport		
<input type="text" value="Personal Use"/> explain>		4,030
		3,720
9. Total return(sum 7+8A, B, C)		67,433

	BY	Total # returning in 2006	cumulative % survival	
10. Estimated ocean survival by BY ³	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%

11. Average size of fish sold <length-cm wt-kg

12. Date(s) of harvest

13. Gear type or method used

	A. # fish	B. Lbs (fish/roe)	C.\$/lb received	D. Total \$ received
14. Whole fish harvested/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
15. Fish donated	92	396	<input type="text"/>	
16. Carcasses sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
17. Roe processed/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
18. Broodstock disposed	<input type="text"/>	<input type="text"/>	<input type="text"/>	
19. Total dollars received (sum lines 14,16,17)				\$ -
20. Total corporate revenue ⁴ <input type="text"/> sources <input type="text" value="all sources"/>				\$ 2,232,574.00
21. Amount required to recover corporate costs				\$ 2,114,398.00
22. Total surplus or deficit at corporation(line 20-line 21)				\$ 118,176

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete, straying).
³ **Estimated ocean survival.** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory. Period covered is January 1 – December 31.

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

Complete a separate schedule for each project and species.

Species: **Trail Lakes Hatchery**
Location of harvest/return

1. Number of fish harvested under Hatchery Harvest Permit		adults	<input type="text"/>
		jacks	<input type="text"/>
2. Hatchery broodstock			5,850
3. Broodstock for hatchery watershed			26,712
4. Jacks			<input type="text"/>
5. Excess fish (surplus to all other requirements ¹)			<input type="text"/>
6. Other: ²	explain> <input type="text" value="Otolith Samples (ADF&G)"/>	number	247
7. Total return to hatchery			32,809
8. Estimated contribution to common property fisheries			
A. Commercial			
1. Troll			<input type="text"/>
2. Gillnet			3,637
3. Seine			<input type="text"/>
TOTAL			3,637
B. Sport			
C. Other:	explain> <input type="text"/>		100
9. Total return(sum 7+8A, B, C)			36,546

	BY	Total # returning in 2006	cumulative % survival	
10. Estimated ocean survival by BY ³	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%

11. Average size of fish sold <length-cm wt-kg

12. Date(s) of harvest

13. Gear type or method used

	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	D. Total \$ received
14. Whole fish harvested/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
15. Fish donated	<input type="text"/>	<input type="text"/>	<input type="text"/>	
16. Carcasses sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
17. Roe processed/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
18. Broodstock disposed	<input type="text"/>	<input type="text"/>	<input type="text"/>	
19. Total dollars received (sum lines 14,16,17)				\$ -
20. Total corporate revenue ⁴	sources <input type="text"/>	all sources		\$ 2,232,574.00
21. Amount required to recover corporate costs				\$ 2,114,398.00
22. Total surplus or deficit at corporation(line 20-line 21)				\$ 118,176

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete, straying).
³ **Estimated ocean survival.** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory
 Period covered is January 1 – December 31

**SCHEDULE C-7
HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS**

Complete a separate schedule for each project and species.

Species: **Trail Lakes Hatchery**
Location of harvest/return

1. Number of fish harvested under Hatchery Harvest Permit	adults	<input type="text"/>
	jacks	<input type="text"/>
2. Hatchery broodstock		<input type="text"/>
3. Broodstock for hatchery watershed		366,592
4. Jacks		<input type="text"/>
5. Excess fish (surplus to all other requirements ¹)		<input type="text"/>
6. Other: ² explain> <input type="text"/>	number	<input type="text"/>
7. Total return to hatchery		366,592
8. Estimated contribution to common property fisheries		
A. Commercial		
1. Troll		<input type="text"/>
2. Gillnet		1,211,408
3. Seine		<input type="text"/>
TOTAL		1,211,408
B. Sport		
C. Other: explain> <input type="text" value="Personal Use"/>		5,500
		75,000
9. Total return(sum 7+8A, B, C)		1,658,500

	BY	Total # returning in 2006	cumulative % survival	
10. Estimated ocean survival by BY ³	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%

11. Average size of fish sold <length-cm wt-kg

12. Date(s) of harvest

13. Gear type or method used

	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	D. Total \$ received
14. Whole fish harvested/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
15. Fish donated	<input type="text"/>	<input type="text"/>	<input type="text"/>	
16. Carcasses sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
17. Roe processed/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
18. Broodstock disposed	<input type="text"/>	<input type="text"/>	<input type="text"/>	
19. Total dollars received (sum lines 14,16,17)				\$ -
20. Total corporate revenue ⁴ sources <input type="text" value="all sources"/>				\$ 2,232,574.00
21. Amount required to recover corporate costs				\$ 2,114,398.00
22. Total surplus or deficit at corporation(line 20-line 21)				\$ 118,176

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete, straying).
³ **Estimated ocean survival.** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory. Period covered is January 1 – December 31.

SCHEDULE D
PROJECTED RETURNS FOR 2007

Species	Release Site	Total number of fish expected	Range in expected return	
			minimum	maximum
Sockeye (LCI)	Leisure/Hazel Lakes	105,500	No Estimate	No Estimate
Sockeye (LCI)	Kirschner Lake	23,600	No Estimate	No Estimate
Sockeye (LCI)	Bear Lake (Seward)	112,800	No Estimate	No Estimate
Sockeye (UCI)	Big Lake	No Estimate	No Estimate	No Estimate
Sockeye (UCI)	Hidden Lake	62,000	No Estimate	No Estimate
Sockeye (UCI)	Tustumena Lake	No Estimate	No Estimate	No Estimate
Coho (LCI)	Bear Lake (Seward)	11,800	No Estimate	No Estimate

SCHEDULE F-1

UPDATED 2005 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete this schedule for each special harvest area and species of fish with updated numbers from last year's annual report.

If there are no changes to the data, write in "no changes from 2005 AR" at the bottom of the form.

Species: Sockeye Salmon		Trail Lakes Hatchery	
Location of harvest/return Leisure/Hazel			
1. Number of fish harvested under Hatchery Harvest Permit	adults	22,050	
	jacks		
2. Hatchery broodstock			
3. Broodstock for hatchery watershed			
4. Jacks			
5. Excess fish (surplus to all other requirements)			
6. Other: ² explain> Below Barrier	number	1	
7. Total return to hatchery			22,051
8. Estimated contribution to common property fisheries			
A. Commercial			
1. Troll			
2. Gillnet			
3. Seine		40,333	
TOTAL			40,333
B. Sport			
		650	
C. Other: explain>			
		4,900	
9. Total return(sum 7+8A, B, C)			67,934
10. Estimated ocean survival by BY ³			
	BY	Total # returning in 05	cumulative % survival
			%
			%
			%
			%
			%
11. Average size of fish sold ND <length-cm 2.6 wt-kg			
12. Date(s)/location(s) of harvest 6/26/2005 to 7/15/2005			
13. Gear type or method used Purse Seine			
14. Whole fish harvested/s			
	A. # fish	B. Lbs (fish/roe)	C. \$/lb received Total \$ received
	22,050	127,828	0.72 \$ 92,036.2
15. Fish donated			
16. Carcasses sold \$ -			
17. Roe processed/sold \$ -			
18. Broodstock disposed			
19. Total dollars received (sum lines 14,16,17)			\$ 92,036
20. Total corporation reven sources		all sources	\$2,181,361.16
21. Amount required to recover corporation costs			\$1,992,638.82
22. Total surplus or deficit at corporation(line 20-line 21)			\$ 188,722

No Changes from 2005 AF

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete).
³ **Estimated ocean survival** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income rental and/or lease income, revenues from sales proceeds of assets and inventory
 Period covered is January 1 – December 31

SCHEDULE F-2

UPDATED 2005 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete this schedule for each special harvest area and species of fish with updated numbers from last year's annual report.

If there are no changes to the data, write in "no changes from 2005 AR" at the bottom of the form.

Species: <input type="text" value="Sockeye Salmon"/>		Trail Lakes Hatchery																																																			
Location of harvest/return <input type="text" value="Kirschner Lake"/>																																																					
1. Number of fish harvested under Hatchery Harvest Permit	adults	14,969																																																			
2. Hatchery broodstock	jacks																																																				
3. Broodstock for hatchery watershed																																																					
4. Jacks																																																					
5. Excess fish (surplus to all other requirements)																																																					
6. Other: ² <input type="text" value="Below Barrier"/> explain>	number	ND																																																			
7. Total return to hatchery			14,969																																																		
8. Estimated contribution to common property fisheries																																																					
A. Commercial																																																					
1. Troll																																																					
2. Gillnet																																																					
3. Seine																																																					
TOTAL			-																																																		
B. Sport																																																					
C. Other: <input type="text"/> explain>																																																					
9. Total return(sum 7+8A, B, C)			14,969																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%;">BY</th> <th style="width: 25%;">Total # returning in 05</th> <th style="width: 15%;">cumulative % survival</th> <th style="width: 30%;"></th> </tr> </thead> <tbody> <tr> <td>10. Estimated ocean survival by BY³</td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> </tbody> </table>					BY	Total # returning in 05	cumulative % survival		10. Estimated ocean survival by BY ³				%					%					%					%					%																				
	BY	Total # returning in 05	cumulative % survival																																																		
10. Estimated ocean survival by BY ³				%																																																	
				%																																																	
				%																																																	
				%																																																	
				%																																																	
11. Average size of fish sold	<input type="text" value="ND"/>	<length-cm	<input type="text" value="1.7"/> wt-kg																																																		
12. Date(s)/location(s) of harvest	<input type="text" value="7/9/2005 to 7/15/2005"/>																																																				
13. Gear type or method used	<input type="text" value="Purse Seine"/>																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"></th> <th style="width: 15%;">A. # fish</th> <th style="width: 15%;">B. Lbs (fish/roe)</th> <th style="width: 15%;">C. \$/lb received</th> <th style="width: 30%;">Total \$ received</th> </tr> </thead> <tbody> <tr> <td>14. Whole fish harvested/s</td> <td style="text-align: right;">14,969</td> <td style="text-align: right;">54,913</td> <td style="text-align: right;">0.4025</td> <td style="text-align: right;">\$ 22,102.5</td> </tr> <tr> <td>15. Fish donated</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>16. Carcasses sold</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ -</td> </tr> <tr> <td>17. Roe processed/sold</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ -</td> </tr> <tr> <td>18. Broodstock disposed</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>19. Total dollars received (sum lines 14,16,17)</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ 22,102</td> </tr> <tr> <td>20. Total corporation reven sources</td> <td></td> <td>all sources</td> <td></td> <td style="text-align: right;">\$2,181,361.16</td> </tr> <tr> <td>21. Amount required to recover corporation costs</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$1,992,638.82</td> </tr> <tr> <td>22. Total surplus or deficit at corporation(line 20-line 21)</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ 188,722</td> </tr> </tbody> </table>					A. # fish	B. Lbs (fish/roe)	C. \$/lb received	Total \$ received	14. Whole fish harvested/s	14,969	54,913	0.4025	\$ 22,102.5	15. Fish donated					16. Carcasses sold				\$ -	17. Roe processed/sold				\$ -	18. Broodstock disposed					19. Total dollars received (sum lines 14,16,17)				\$ 22,102	20. Total corporation reven sources		all sources		\$2,181,361.16	21. Amount required to recover corporation costs				\$1,992,638.82	22. Total surplus or deficit at corporation(line 20-line 21)				\$ 188,722
	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	Total \$ received																																																	
14. Whole fish harvested/s	14,969	54,913	0.4025	\$ 22,102.5																																																	
15. Fish donated																																																					
16. Carcasses sold				\$ -																																																	
17. Roe processed/sold				\$ -																																																	
18. Broodstock disposed																																																					
19. Total dollars received (sum lines 14,16,17)				\$ 22,102																																																	
20. Total corporation reven sources		all sources		\$2,181,361.16																																																	
21. Amount required to recover corporation costs				\$1,992,638.82																																																	
22. Total surplus or deficit at corporation(line 20-line 21)				\$ 188,722																																																	

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete).
³ **Estimated ocean survival** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory. Period covered is January 1 – December 31.

SCHEDULE F-3

UPDATED 2005 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete this schedule for each special harvest area and species of fish with updated numbers from last year's annual report.

If there are no changes to the data, write in "no changes from 2005 AR" at the bottom of the form.

Species: <input type="text" value="Sockeye Salmon"/>		Trail Lakes Hatchery	
Location of harvest/return <input type="text" value="Bear Lake"/>			
1. Number of fish harvested under Hatchery Harvest Permit	adults	37,654	
	jacks		
2. Hatchery broodstock		3,122	
3. Broodstock for hatchery watershed		10,285	
4. Jacks			
5. Excess fish (surplus to all other requirements)			
6. Other: ² <input type="text" value="Fish in Creek"/> explain>	number	10	
7. Total return to hatchery			51,071
8. Estimated contribution to common property fisheries			
A. Commercial			
1. Troll			
2. Gillnet			
3. Seine		19,018	
TOTAL			19,018
B. Sport		500	
C. Other: <input type="text"/> explain>			
9. Total return(sum 7+8A, B, C)			70,589
10. Estimated ocean survival by BY³			
	BY	Total # returning in 05	cumulative % survival
			%
			%
			%
			%
			%
11. Average size of fish sold <input type="text" value="ND"/> <length-cm <input type="text" value="1.9"/> wt-kg			
12. Date(s)/location(s) of harvest <input type="text" value="6/2/2005 to 7/15/2005"/>			
13. Gear type or method used <input type="text" value="Purse Seine and Weir"/>			
14. Whole fish harvested/s			
	A. # fish	B. Lbs (fish/roe)	C.\$/lb received
	Total \$ received		
14. Whole fish harvested/s	36,352	148,848	0.78 \$ 115,361.4
15. Fish donated	1,302	5,339	
16. Carcasses sold			\$ -
17. Roe processed/sold			\$ -
18. Broodstock disposed	3,122	12,800	
19. Total dollars received (sum lines 14,16,17)			\$ 115,361
20. Total corporation reven	sources	all sources	\$2,181,361.16
21. Amount required to recover corporation costs			\$1,992,638.82
22. Total surplus or deficit at corporation(line 20-line 21)			\$ 188,722

No Changes from 2005 AR

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete).
³ **Estimated ocean survival** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory. Period covered is January 1 – December 31.

SCHEDULE F-4

UPDATED 2005 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete this schedule for each special harvest area and species of fish with updated numbers from last year's annual report.

If there are no changes to the data, write in "no changes from 2005 AR" at the bottom of the form.

Species: Coho Salmon		Trail Lakes Hatchery	
Location of harvest/return: Bear Lake			
1. Number of fish harvested under Hatchery Harvest Permit	adults	1,536	
	jacks		
2. Hatchery broodstock		808	
3. Broodstock for hatchery watershed		546	
4. Jacks			
5. Excess fish (surplus to all other requirements)			
6. Other: ² explain> Morts	number	57	
7. Total return to hatchery			2,947
8. Estimated contribution to common property fisheries			
A. Commercial			
1. Troll			
2. Gillnet			
3. Seine			
TOTAL			-
B. Sport			
		4,788	
C. Other: explain>			
9. Total return (sum 7+8A, B, C)			7,735

	BY	Total # returning in 05	cumulative % survival	
10. Estimated ocean survival by BY ³				%
				%
				%
				%
				%

11. Average size of fish sold	ND	<length-cm	ND	wt-kg
12. Date(s)/location(s) of harvest	9/1/2005 to 10/23/2005			
13. Gear type or method used	Weir			

	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	Total \$ received
14. Whole fish harvested/sold				\$ -
15. Fish donated	2,344	ND		
16. Carcasses sold				\$ -
17. Roe processed/sold				\$ -
18. Broodstock disposed				
19. Total dollars received (sum lines 14,16,17)				\$ -
20. Total corporation revenue	sources		all sources	\$2,181,361.16
21. Amount required to recover corporation costs				\$1,992,638.82
22. Total surplus or deficit at corporation (line 20-line 21)				\$ 188,722

No Changes from 2005 AR

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete).
³ **Estimated ocean survival** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory. Period covered is January 1 – December 31.

SCHEDULE F-5

UPDATED 2005 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete this schedule for each special harvest area and species of fish with updated numbers from last year's annual report.

If there are no changes to the data, write in "no changes from 2005 AR" at the bottom of the form.

Species: <input type="text" value="Sockeye Salmon"/>		Trail Lakes Hatchery																																																			
Location of harvest/return <input type="text" value="Hidden Lake"/>																																																					
1. Number of fish harvested under Hatchery Harvest Permit	adults																																																				
	jacks																																																				
2. Hatchery broodstock		2,093																																																			
3. Broodstock for hatchery watershed		10,907																																																			
4. Jacks																																																					
5. Excess fish (surplus to all other requirements)																																																					
6. Other: ² <input type="text" value="explain >"/> <input type="text"/>	number																																																				
7. Total return to hatchery			13,000																																																		
8. Estimated contribution to common property fisheries																																																					
A. Commercial																																																					
1. Troll																																																					
2. Gillnet		28,467																																																			
3. Seine																																																					
TOTAL			28,467																																																		
B. Sport																																																					
		2,987																																																			
C. Other: <input type="text" value="explain > Personal Use"/>																																																					
		2,674																																																			
9. Total return (sum 7+8A, B, C)			47,128																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%;">BY</th> <th style="width: 20%;">Total # returning in 05</th> <th style="width: 20%;">cumulative % survival</th> <th style="width: 30%;"></th> </tr> </thead> <tbody> <tr> <td>10. Estimated ocean survival by BY³</td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">%</td> </tr> </tbody> </table>					BY	Total # returning in 05	cumulative % survival		10. Estimated ocean survival by BY ³				%					%					%					%					%																				
	BY	Total # returning in 05	cumulative % survival																																																		
10. Estimated ocean survival by BY ³				%																																																	
				%																																																	
				%																																																	
				%																																																	
				%																																																	
11. Average size of fish sold	<input type="text"/>	<length-cm	<input type="text"/>	wt-kg																																																	
12. Date(s)/location(s) of harvest	<input type="text"/>																																																				
13. Gear type or method used	<input type="text"/>																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"></th> <th style="width: 15%;">A. # fish</th> <th style="width: 15%;">B. Lbs (fish/roe)</th> <th style="width: 15%;">C. \$/lb received</th> <th style="width: 30%;">Total \$ received</th> </tr> </thead> <tbody> <tr> <td>14. Whole fish harvested/sold</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ -</td> </tr> <tr> <td>15. Fish donated</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>16. Carcasses sold</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ -</td> </tr> <tr> <td>17. Roe processed/sold</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ -</td> </tr> <tr> <td>18. Broodstock disposed</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>19. Total dollars received (sum lines 14,16,17)</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ -</td> </tr> <tr> <td>20. Total corporation revenue</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$2,181,361.16</td> </tr> <tr> <td>21. Amount required to recover corporation costs</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$1,992,638.82</td> </tr> <tr> <td>22. Total surplus or deficit at corporation (line 20-line 21)</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ 188,722</td> </tr> </tbody> </table>					A. # fish	B. Lbs (fish/roe)	C. \$/lb received	Total \$ received	14. Whole fish harvested/sold				\$ -	15. Fish donated					16. Carcasses sold				\$ -	17. Roe processed/sold				\$ -	18. Broodstock disposed					19. Total dollars received (sum lines 14,16,17)				\$ -	20. Total corporation revenue				\$2,181,361.16	21. Amount required to recover corporation costs				\$1,992,638.82	22. Total surplus or deficit at corporation (line 20-line 21)				\$ 188,722
	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	Total \$ received																																																	
14. Whole fish harvested/sold				\$ -																																																	
15. Fish donated																																																					
16. Carcasses sold				\$ -																																																	
17. Roe processed/sold				\$ -																																																	
18. Broodstock disposed																																																					
19. Total dollars received (sum lines 14,16,17)				\$ -																																																	
20. Total corporation revenue				\$2,181,361.16																																																	
21. Amount required to recover corporation costs				\$1,992,638.82																																																	
22. Total surplus or deficit at corporation (line 20-line 21)				\$ 188,722																																																	

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).

² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete).

³ **Estimated ocean survival** Provide method used in estimation.

⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory. Period covered is January 1 – December 31.

SCHEDULE F-6

UPDATED 2005 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete this schedule for each special harvest area and species of fish with updated numbers from last year's annual report.

If there are no changes to the data, write in "no changes from 2005 AR" at the bottom of the form.

Species: <input type="text" value="Sockeye Salmon"/>		Trail Lakes Hatchery																																																			
Location of harvest/return <input type="text" value="Big Lake (Meadow Creek)"/>																																																					
1. Number of fish harvested under Hatchery Harvest Permit	adults																																																				
	jacks																																																				
2. Hatchery broodstock		2,164																																																			
3. Broodstock for hatchery watershed		12,221																																																			
4. Jacks																																																					
5. Excess fish (surplus to all other requirements)																																																					
6. Other: ² <input type="text" value="Otolith (ADF&G)"/> explain>	number	170																																																			
7. Total return to hatchery			14,555																																																		
8. Estimated contribution to common property fisheries																																																					
A. Commercial																																																					
1. Troll																																																					
2. Gillnet		7,711																																																			
3. Seine																																																					
TOTAL			7,711																																																		
B. Sport																																																					
		102																																																			
C. Other: <input type="text" value="Personal Use"/> explain>																																																					
9. Total return(sum 7+8A, B, C)			22,368																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%;">BY</th> <th style="width: 15%;">Total # returning in 05</th> <th style="width: 15%;">cumulative % survival</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>10. Estimated ocean survival by BY³</td> <td></td> <td></td> <td></td> <td style="text-align: center;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">%</td> </tr> </tbody> </table>					BY	Total # returning in 05	cumulative % survival		10. Estimated ocean survival by BY ³				%					%					%					%					%																				
	BY	Total # returning in 05	cumulative % survival																																																		
10. Estimated ocean survival by BY ³				%																																																	
				%																																																	
				%																																																	
				%																																																	
				%																																																	
11. Average size of fish sold	<input type="text"/>	<length-cm	<input type="text"/> wt-kg																																																		
12. Date(s)/location(s) of harvest	<input type="text"/>																																																				
13. Gear type or method used	<input type="text"/>																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"></th> <th style="width: 15%;">A. # fish</th> <th style="width: 15%;">B. Lbs (fish/roe)</th> <th style="width: 15%;">C. \$/lb received</th> <th style="width: 15%;">Total \$ received</th> </tr> </thead> <tbody> <tr> <td>14. Whole fish harvested/sold</td> <td></td> <td></td> <td></td> <td style="text-align: center;">\$ -</td> </tr> <tr> <td>15. Fish donated</td> <td style="text-align: center;">2,164</td> <td></td> <td></td> <td></td> </tr> <tr> <td>16. Carcasses sold</td> <td></td> <td></td> <td></td> <td style="text-align: center;">\$ -</td> </tr> <tr> <td>17. Roe processed/sold</td> <td></td> <td></td> <td></td> <td style="text-align: center;">\$ -</td> </tr> <tr> <td>18. Broodstock disposed</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>19. Total dollars received (sum lines 14,16,17)</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ -</td> </tr> <tr> <td>20. Total corporation revenue</td> <td>sources</td> <td>all sources</td> <td></td> <td style="text-align: right;">\$2,181,361.16</td> </tr> <tr> <td>21. Amount required to recover corporation costs</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$1,992,638.82</td> </tr> <tr> <td>22. Total surplus or deficit at corporation(line 20-line 21)</td> <td></td> <td></td> <td></td> <td style="text-align: right;">\$ 188,722</td> </tr> </tbody> </table>					A. # fish	B. Lbs (fish/roe)	C. \$/lb received	Total \$ received	14. Whole fish harvested/sold				\$ -	15. Fish donated	2,164				16. Carcasses sold				\$ -	17. Roe processed/sold				\$ -	18. Broodstock disposed					19. Total dollars received (sum lines 14,16,17)				\$ -	20. Total corporation revenue	sources	all sources		\$2,181,361.16	21. Amount required to recover corporation costs				\$1,992,638.82	22. Total surplus or deficit at corporation(line 20-line 21)				\$ 188,722
	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	Total \$ received																																																	
14. Whole fish harvested/sold				\$ -																																																	
15. Fish donated	2,164																																																				
16. Carcasses sold				\$ -																																																	
17. Roe processed/sold				\$ -																																																	
18. Broodstock disposed																																																					
19. Total dollars received (sum lines 14,16,17)				\$ -																																																	
20. Total corporation revenue	sources	all sources		\$2,181,361.16																																																	
21. Amount required to recover corporation costs				\$1,992,638.82																																																	
22. Total surplus or deficit at corporation(line 20-line 21)				\$ 188,722																																																	

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).
² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete).
³ **Estimated ocean survival** Provide method used in estimation.
⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory. Period covered is January 1 – December 31.

SCHEDULE F-7

UPDATED 2005 HARVEST MANAGEMENT AND HATCHERY ADULT RETURNS

Complete this schedule for each special harvest area and species of fish with updated numbers from last year's annual report.

If there are no changes to the data, write in "no changes from 2005 AR" at the bottom of the form.

Species: <input type="text" value="Sockeye Salmon"/>		Trail Lakes Hatchery
Location of harvest/return <input type="text" value="Tustumean Lake"/>		
1. Number of fish harvested under Hatchery Harvest Permit	adults	<input type="text"/>
	jacks	<input type="text"/>
2. Hatchery broodstock		<input type="text"/>
3. Broodstock for hatchery watershed		346,012
4. Jacks		<input type="text"/>
5. Excess fish (surplus to all other requirements)		<input type="text"/>
6. Other: ² <input type="text" value="explain >"/> <input type="text"/>	number	<input type="text"/>
7. Total return to hatchery		346,012
8. Estimated contribution to common property fisheries		
A. Commercial		
1. Troll		<input type="text"/>
2. Gillnet		828,848
3. Seine		<input type="text"/>
TOTAL		828,848
B. Sport		8,000
C. Other: <input type="text" value="explain > Personal Use"/>		78,356
9. Total return (sum 7+8A, B, C)		1,261,216

10. Estimated ocean survival by BY ³	BY	Total # returning in 05	cumulative % survival
		1998	102,609
	1999	601,848	31.90 %
	2001	456,885	NC %
	2002	7,722	NC %
			%

11. Average size of fish sold	<input type="text"/>	<length-cm	<input type="text"/>	wt-kg
12. Date(s)/location(s) of harvest	<input type="text"/>			
13. Gear type or method used	<input type="text"/>			

	A. # fish	B. Lbs (fish/roe)	C. \$/lb received	Total \$ received
14. Whole fish harvested/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
15. Fish donated	<input type="text"/>	<input type="text"/>	<input type="text"/>	
16. Carcasses sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
17. Roe processed/sold	<input type="text"/>	<input type="text"/>	<input type="text"/>	\$ -
18. Broodstock disposed	<input type="text"/>	<input type="text"/>	<input type="text"/>	
19. Total dollars received (sum lines 14,16,17)				\$ -
20. Total corporation revenue	<input type="text" value="sources"/>	<input type="text" value="all sources"/>	<input type="text"/>	\$2,181,361.16
21. Amount required to recover corporation costs			<input type="text"/>	\$1,992,638.82
22. Total surplus or deficit at corporation (line 20-line 21)				\$ 188,722

¹ **Excess fish.** (e.g. extra or green males, extra or unviable females whose roe was not sold).

² **Other fish.** (e.g. fish remaining in saltwater after egg take is complete).

³ **Estimated ocean survival** Provide method used in estimation.

⁴ **Total corporate revenue.** Defined as all income to the corporation including but not limited to: cost recovery, carcass and egg sales, donations, grants, loan proceeds, interest income, rental and/or lease income, revenues from sales proceeds of assets and inventory. Period covered is January 1 – December 31.