

## **TUTKA LAGOON HATCHERY BASIC MANAGEMENT PLAN**

### **1.0 INTRODUCTION**

Owned by the State of Alaska and operated by Cook Inlet Aquaculture Association (CIAA), Tutka Lagoon Hatchery (Tutka) produces pink and chum salmon for release at the facility and at selected remote sites in Lower Cook Inlet.

#### **1.1 Production Limitations**

Combinations of pink and chum eggs not exceeding 125 million and including no more than 20 million chum eggs may be incubated each year.

#### **1.2 Goals**

The Tutka program exists to make up to 5 million adult pink salmon available to common property fisheries each year. Chum salmon production may be substituted for at least part of the pink salmon production should ongoing trials demonstrate feasibility.

#### **1.3 Objectives**

Annually collect 125 million pink salmon eggs, release 100 million fry, experience returns of 5 million adults, produce revenues from harvest and sale of returning fish that are at least equal to costs of hatchery operation and operate efficiently so that at least 2/3 of the fish are harvestable by common property fisheries.

### **2.0 HATCHERY OPERATIONAL CONSIDERATIONS**

#### **2.1 Facility Design**

Process water source is Tutka Creek. Water is pumped to a settling tank/reservoir. Water flows from the reservoir through incubators and raceways. Process water effluent is released into Tutka Creek.

The facility operates on commercial electrical power with standby diesel generation capability. Pink salmon incubation capacity is 125 million eggs using Zenger LZ-40 stacked incubators. Rearing of fry will take place in floating net pens anchored in Tutka Lagoon and at other sites remote from the hatchery.

Tutka Hatchery will follow accepted methods and techniques in the culture of fish. Any deviation from accepted methods will require approval by ADF&G. Further details and plans will be included in the Annual Management Plan for each year of operation. Negligence or incompetence in egg take, incubation, or rearing and release procedures will constitute sufficient grounds for limiting use of donor stocks. Continued negligence or incompetence, or violation of state fish and game statutes or regulations may result in permit revocation.

**DEPARTMENT OF FISH AND GAME**

**OFFICE OF THE COMMISSIONER**

P.O. BOX 25526  
JUNEAU, ALASKA 99802-5526  
PHONE: (907) 465-4100

January 5, 1994

Mr. Thomas Mears  
Executive Director  
Cook Inlet Aquaculture Association  
HC 2, Box 849  
Soldotna, AK 99669-9707

Dear Mr. Mears:

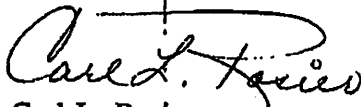
Please find enclosed the approved private nonprofit (PNP) hatchery permit and Basic Management Plan (BMP) for the Tutka Lagoon Hatchery.

Tutka Lagoon Hatchery is permitted to incubate, rear, and release production from up to 125 million pink and chum salmon eggs in accordance with the conditions and stipulations contained in this letter, the permit, and the BMP.

Please note that permission from the Department of Fish and Game (ADF&G) to conduct the activities described in this permit in no way implies agreement by ADF&G or the Department of Commerce and Economic Development to commit loan funds for the project. Also, it is the responsibility of Cook Inlet Aquaculture Association to make sure all other federal, state, and local permits necessary for the project are obtained before proceeding with expansion of the facilities.

If you have any questions regarding the enclosed materials, please contact Steve McGee in the PNP Hatchery Program.

Sincerely,



Carl L. Rosier  
Commissioner

Enclosures

cc: Steve McGee



## Alaska Department of Fish and Game

## PRIVATE NONPROFIT SALMON HATCHERY

PERMIT NO. 32

## Tutka Lagoon Hatchery

Permission is hereby granted to the Cook Inlet Aquaculture Association of Soldotna, Alaska, hereafter called the permittee, to operate a pink and chum salmon hatchery located at Tutka Bay Lagoon on lower Kenai Peninsula, approximately 16 miles south of Homer.

The hatchery shall be operated in accordance with (1) AS 16.10.400-480; (2) regulations promulgated by the Department of Fish and Game and the Alaska Board of Fisheries affecting private nonprofit hatcheries (including those adopted after issuance of this permit); and (3) the Alaska Department of Fish and Game Statement of Policy on Permitting Nonprofit Salmon Hatcheries in Alaska, dated October 3, 1974.

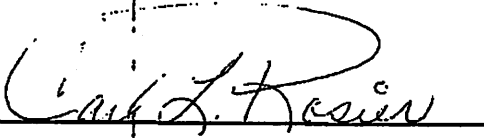
Specific conditions that must be met in the operation of this hatchery are described below, attached in conditions 1 through 12, and included in the Basic Management Plan for Tutka Bay Lagoon Hatchery. If the permittee fails to comply with the terms and conditions of this permit within a reasonable period of time after notification of noncompliance, the permit will be suspended or revoked.

No more than 125,000,000 pink and chum salmon eggs combined may be taken for incubation in any one year, and of this total capacity, no more than 20,000,000 eggs may be from chum salmon. Requested donor sources for brood stock are listed below. Specific donor sources to be used will be approved through fish transport permits. Additions to or changes in approved sources and numbers of eggs to be taken may be made by the department at any time.

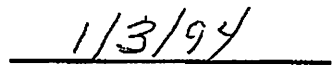
Species	Source	Stream No.
Pink Salmon <i>Oncorhynchus gorbuscha</i>	Tutka Hatchery Returns	241-16-10090
Chum Salmon <i>Oncorhynchus keta</i>	Tutka Hatchery Returns	241-16-10090

**Tutka Lagoon Hatchery Permit**

The duration of this permit is unlimited unless the operation is found to be contrary to AS 16.10.420-470, or to any condition of this permit. That portion of the permit that describes the number of salmon eggs which may be taken for incubation, the location from which fish may be released, as well as other conditions of the permit, will be subject to amendment by the department through review and approval of alterations to the permit and an Annual Management Plan.



**Carl L. Rosier  
Commissioner**

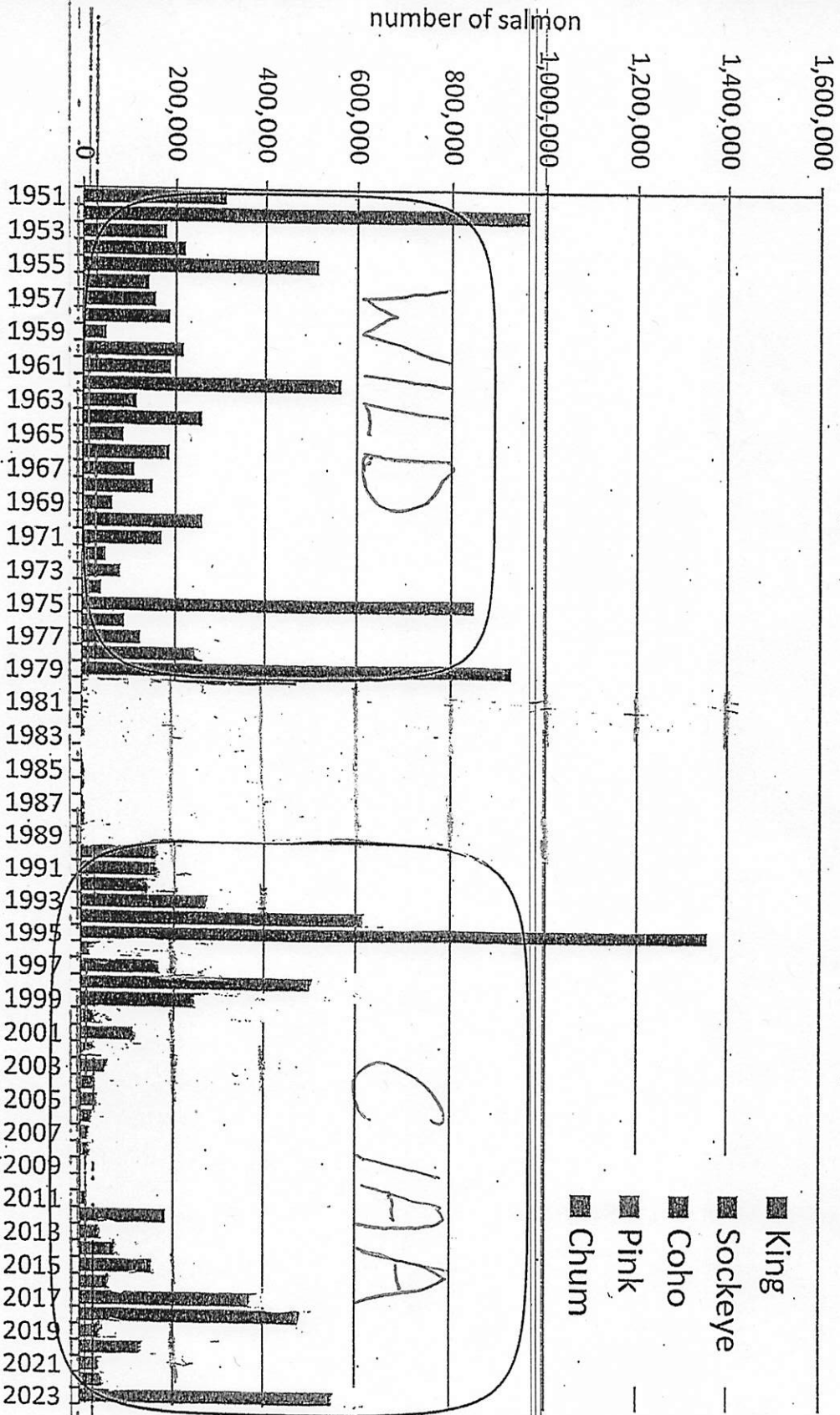


**Date**

## PERMIT CONDITIONS

1. The hatchery will be operated in accordance with all statutes and regulations governing fish and game resources of the State of Alaska. Violation of any such statute or regulation by the hatchery operator will constitute grounds for suspension or revocation of the hatchery permit.
2. The hatchery will be located in an area where a reasonable segregation from natural stocks occurs, but where feasible, in an area where returning fish will pass through traditional salmon fisheries.
3. The Basic Management Plan is a condition of the permit and must be followed and adhered to at all times.
4. Salmon eggs procured by the hatchery must be from the Alaska Department of Fish and Game (ADF&G) or from another source approved by ADF&G through the Fish Transport Permit process.
5. No salmon eggs, fry, or smolt may be placed in waters of the state other than those specifically designated in the hatchery permit.
6. No salmon eggs or resulting fry or smolt, sold to the permit holder by the state or another permit holder, may be resold or otherwise transferred to another party.
7. No salmon may be released by the hatchery before approval by ADF&G, and, for purposes of pathological examination and approval, ADF&G shall be notified by the permittee of the proposed release at least 45 days before the date of the proposed release.
8. Diseased salmon must be destroyed in the specific manner and place designated by ADF&G.
9. Adult salmon may be harvested by the hatchery operator only at the specific locations designated by ADF&G in the hatchery permit or by the Alaska Board of Fisheries in specific regulation.
10. Surplus eggs from salmon returning to the hatchery will be made available for sale first to ADF&G and then, after inspection and approval by ADF&G, to operators of other hatcheries permitted under AS 16.10.400-470.
11. If surplus salmon eggs are sold by the permit holder to another operator, a copy of the sales transaction must be provided to ADF&G.
12. This permit is subject to annual review and amendment by ADF&G, as prescribed by the ADF&G Policy on Permitting Nonprofit Salmon Hatcheries in Alaska. Continuation of the permit is contingent upon correction of any aspects of the hatchery's operation that fail to meet the terms of the permit. If the operation of the hatchery is found to be not in the best interest of the public, the Commissioner may alter the terms and conditions of the permit to mitigate the adverse effects. If the adverse effects are deemed by ADF&G to be irreversible and cannot be sufficiently mitigated, termination of operations shall be initiated by ADF&G. During the period of termination, not to exceed four years, the permittee may harvest hatchery produced fish under the terms of the permit, but may not release additional fish.

# Southern District Purse Seine Common Property Harvests, 1951-2023



Appendix A2.--Southern District commercial purse seine salmon harvest (excluding homepack) by period, 2022.

Period	Statistical		Permits	Chinook		Sockeye		Coho		Pink		Chum	
	week	Date		Hours fished	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number
1 <sup>ab</sup>	26	6/13	16	<3	b	b	b	b	b	b	b	b	b
2 <sup>ab</sup>	26	6/15	16	<3	b	b	b	b	b	b	b	b	b
3 <sup>ab</sup>	26	6/17	16	<3	b	b	b	b	b	b	b	b	b
4 <sup>ab</sup>	27	6/20	16	<3	b	b	b	b	b	b	b	b	b
5 <sup>ab</sup>	27	6/22	16	<3	b	b	b	b	b	b	b	b	b
6 <sup>a</sup>	27	6/24	16	3	2	51	1,778	8,978	0	0	3	7	7
7 <sup>a</sup>	28	6/27	16	6	12	99	4,947	25,995	0	0	1	3	80
8 <sup>a</sup>	28	6/29	16	7	8	75	6,019	26,116	0	0	5	14	22
9 <sup>a</sup>	28	7/1	16	5	6	131	12,991	61,248	0	0	3	10	10
10 <sup>a</sup>	29	7/4	16	5	7	69	17,857	86,861	0	0	14	43	63
11 <sup>a</sup>	29	7/6	16	6	7	13	8,070	40,246	0	0	6	15	6
12 <sup>a</sup>	29	7/8	16	7	0	0	5,298	24,726	0	0	0	0	0
13 <sup>a</sup>	30	7/11	16	6	1	20	8,927	35,826	0	0	119	375	8
14 <sup>a</sup>	30	7/13	16	7	2	26	4,470	20,098	1	4	140	413	8
15 <sup>a</sup>	30	7/15	16	4	17	77	1,859	9,779	15	79	43	145	13
16 <sup>a</sup>	31	7/18	16	4	0	0	2,532	9,823	22	113	1,093	3,582	8
17 <sup>a</sup>	31	7/20	16	4	0	0	3,510	14,131	42	149	226	663	4
18 <sup>a</sup>	31	7/22	16	4	1	10	1,298	5,136	21	93	641	2,043	14
19 <sup>ab,c</sup>	32	7/25	16	<3	b	b	b	b	b	b	b	b	b
20 <sup>ab,c</sup>	32	7/27	16	<3	b	b	b	b	b	b	b	b	b
21 <sup>ab,c</sup>	32	7/29	16	<3	b	b	b	b	b	b	b	b	b
22 <sup>ab,c</sup>	33	8/1	16	<3	b	b	b	b	b	b	b	b	b
Total				9	64	579	81,710	378,555	167	730	5,764	18,390	308
Average weight						9.19		4.63		4.37		3.19	

Note: Fewer than 3 permits reporting deliveries after August 1.

<sup>a</sup> Waters of the Tutka Bay, China Poot, and Halbut Cove subdistricts, excluding waters of the SHA in the Tutka Subdistrict is open to commercial salmon seine harvest for regular 16-hour periods. Waters of the Neptune Bay Section up to the freshwater of the Wosnesski River are open for these periods. Waters of the south arm of China Poot Bay west of 151° 15.53' west longitude, and waters of the north arm of China Poot Bay west of 151° 14.65' west longitude are also open for these periods.

<sup>b</sup> Confidential data. Fewer than 3 permits reporting.

<sup>c</sup> All waters of the China Poot SHAs are closed.

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