

Alaska Salmon Enhancement Program 2002 Annual Report



compiled by

Craig Farrington

REGIONAL INFORMATION REPORT¹ NO. 5J03-05

Alaska Department of Fish and Game
Division of Commercial Fisheries
P.O. Box 25526
Juneau, Alaska 99802-5526

March 2003

¹ The Regional Information Report Series was established in 1987 to provide an information access system for all unpublished divisional reports. These reports frequently serve diverse ad hoc informational purposes or archive basic uninterpreted data. To accommodate timely reporting of recently collected information, reports in this series undergo only limited internal review and may contain preliminary data, this information may be subsequently finalized and published in the formal literature. Consequently, these reports should not be cited without prior approval of the author or the Division of Commercial Fisheries.

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ABSTRACT <i>(100 words maximum)</i> The Alaska Department of Fish and Game oversees and regulates all state and private sector salmon rehabilitation and enhancement projects. Protection of Alaska's natural salmon stocks requires stringent permitting processes. Geneticists, pathologists, and biologists review all projects prior to the issuance of a permit to operate a salmon ranching facility, transfer of eggs or fish, or release of any fish into Alaskan waters. Over 1.8 billion salmon eggs were collected by Alaskan hatchery operators in 2002. In addition, over 1.4 billion fish were released and nearly 26 million were harvested in common property fisheries as a result of the ocean ranching program. These harvests represents 23% of the 2002 commercial common property harvest of 111 million fish.		<u>SUBJECT CATEGORY</u> <input checked="" type="checkbox"/> NATURAL RESOURCES <input type="checkbox"/> EDUCATION <input type="checkbox"/> SOCIAL SERVICES <input type="checkbox"/> HEALTH <input type="checkbox"/> TRANSPORTATION <input type="checkbox"/> LAW ENFORCEMENT <input type="checkbox"/> COMMERCE & INDUSTRY <input type="checkbox"/> GENERAL GOVERNMENT <input type="checkbox"/> LOCAL GOVERNMENT <input type="checkbox"/> OTHER
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Main Bay Hatchery



Gulkana Hatchery



Solomon Gulch Hatchery



Wally Noerenberg Hatchery



AF Koernig Hatchery



Neets Bay Hatchery

Figure 1. Photos of hatcheries in Alaska.

INTRODUCTION

The Alaska Department of Fish and Game (ADF&G) oversees and regulates all state and private sector salmon rehabilitation and enhancement projects. Protection of Alaska's natural salmon stocks requires stringent permitting processes. Geneticists, pathologists, and biologists review all projects prior to the issuance of a permit to operate a salmon ranching facility, transfer of eggs or fish, or release of fish into Alaska waters. Pathology, genetic, coded wire tag, and otolith processing laboratories are maintained to provide diagnostic information to department fishery managers inseason, as well as technical expertise to the private sector.

Over 1.8 billion salmon eggs were collected by Alaska hatchery operators in 2002. In addition, over 1.4 billion fish were released and nearly 26 million fish were harvested in common property fisheries as a result of the ocean ranching program. The ocean ranching program provides hundreds of Alaskans with seasonal and full-time jobs. It is now considered the largest agricultural industry in Alaska.

Prince William Sound and Southeast Alaska are the predominant regions affected by the enhancement program, and pink and chum salmon are the predominant species produced. Production levels, in terms of egg takes and releases, have largely stabilized. Programs have matured and are generally at planned capacities.

The salmon enhancement program is composed of several factions: 2 state hatcheries, 29 private nonprofit corporation hatcheries (PNP), 2 federal or Bureau of Indian Affairs (BIA) hatcheries, and several streamside incubation and restoration projects. State hatcheries are operated by the department's Division of Sport Fish and primarily produce salmonid species intended for sport fisheries. Private nonprofit corporations are permitted to operate salmon hatcheries and recoup their operational costs from a special harvest of returning adult fish, called a cost recovery harvest. All other returning adult fish are available for harvest in Alaska's common property fisheries open to the public. Federal hatcheries are generally used for research. Streamside incubation projects enhance stocks of fish inexpensively. Stream restoration projects involve restoring streams degraded by human-use activities.

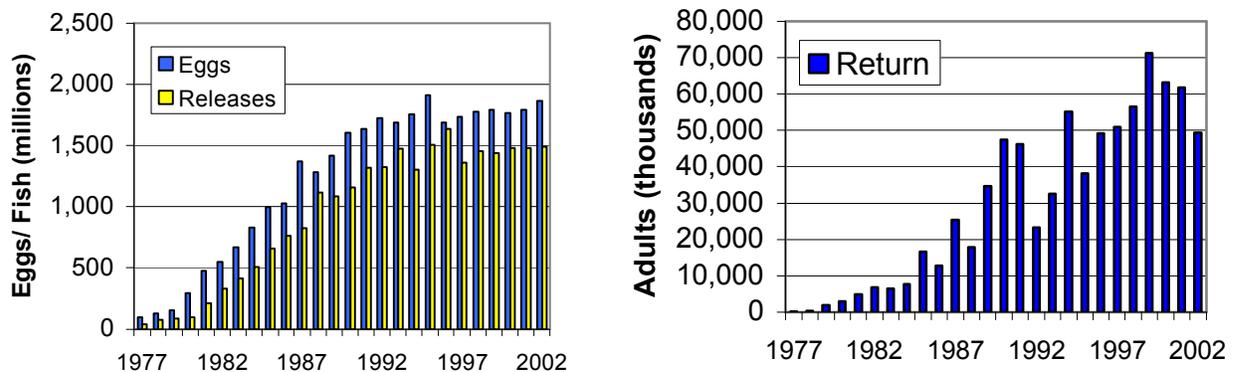


Figure 2. Total egg takes, releases, and returns to the Alaska salmon hatchery program, 1977 – 2002.

Highlights in 2002

- The statewide commercial common property harvest of salmon was composed of 23% enhancement program-produced fish, in terms of numbers of fish and in terms of value. A preliminary estimate of the ex-vessel value of the enhanced common property harvest is \$29 million.
- Over 433,000 hatchery-produced fish representing 10 species (chinook, coho, pink, sockeye, and chum salmon; steelhead, lake, and rainbow trout; Arctic char and grayling) were caught by sport fishermen.
- In general the Alaskan hatchery program is stable. Egg takes and release numbers are very similar to prior years.
- Chum salmon survivals in Southeast Alaska continued to decline to levels much lower than record high survivals experienced in the late 1990s. Consequently, this year's return of Southeast chum salmon was down from prior years.
- Directives by the Alaska Board of Fisheries established harvest guidelines for each commercial gear group in order to allocate the harvest of enhanced salmon in Southeast Alaska. If, over a specified period of time, allocation percentages are not met, actions must be taken to correct the imbalance. This was the fourth consecutive year that necessitated corrective actions to help increase the troll harvest of enhanced fish, and the joint Northern and Southern Regional Planning teams attempted to resolve this inequity. Further, the imbalance might be naturally disappearing due to combined shifts in market forces and shifts in harvests of hatchery chum salmon as indicated by the finalized 2001 data and preliminary 2002 data.



Examining samples for IHN at the Juneau state pathology laboratory.



Analyzing samples at the Mark Tag and Age laboratory.

- There were signs of decline in of the commercial salmon fishing industry in 2002. Statewide ex-vessel prices for most salmon species dropped to levels not observed for decades. Many fishermen elected to not fish, and some processors did not operate. Severe marketing conditions for salmon caused one major processor to announce its decision to withdraw entirely from the Alaska salmon fishing industry.
- Contributions to harvests from the five Prince William Sound hatcheries provided nearly \$14 million to common property fishermen, approximately 53% of the ex-vessel value. Nearly half of the hatchery contribution number and over half of the value was sockeye salmon.
- Over 22% of the common property sockeye salmon caught in Cook Inlet commercial salmon fisheries originated from Cook Inlet hatcheries, with a preliminary ex-vessel value of \$2.5 million.
- Approximately 36% of the common property harvest in Kodiak commercial salmon fisheries was enhanced salmon with a combined ex-vessel value of \$4.1 million. The largest proportion of the 7.6 million hatchery fish harvested was pink salmon, however, the largest proportion of the ex-vessel value was sockeye salmon.

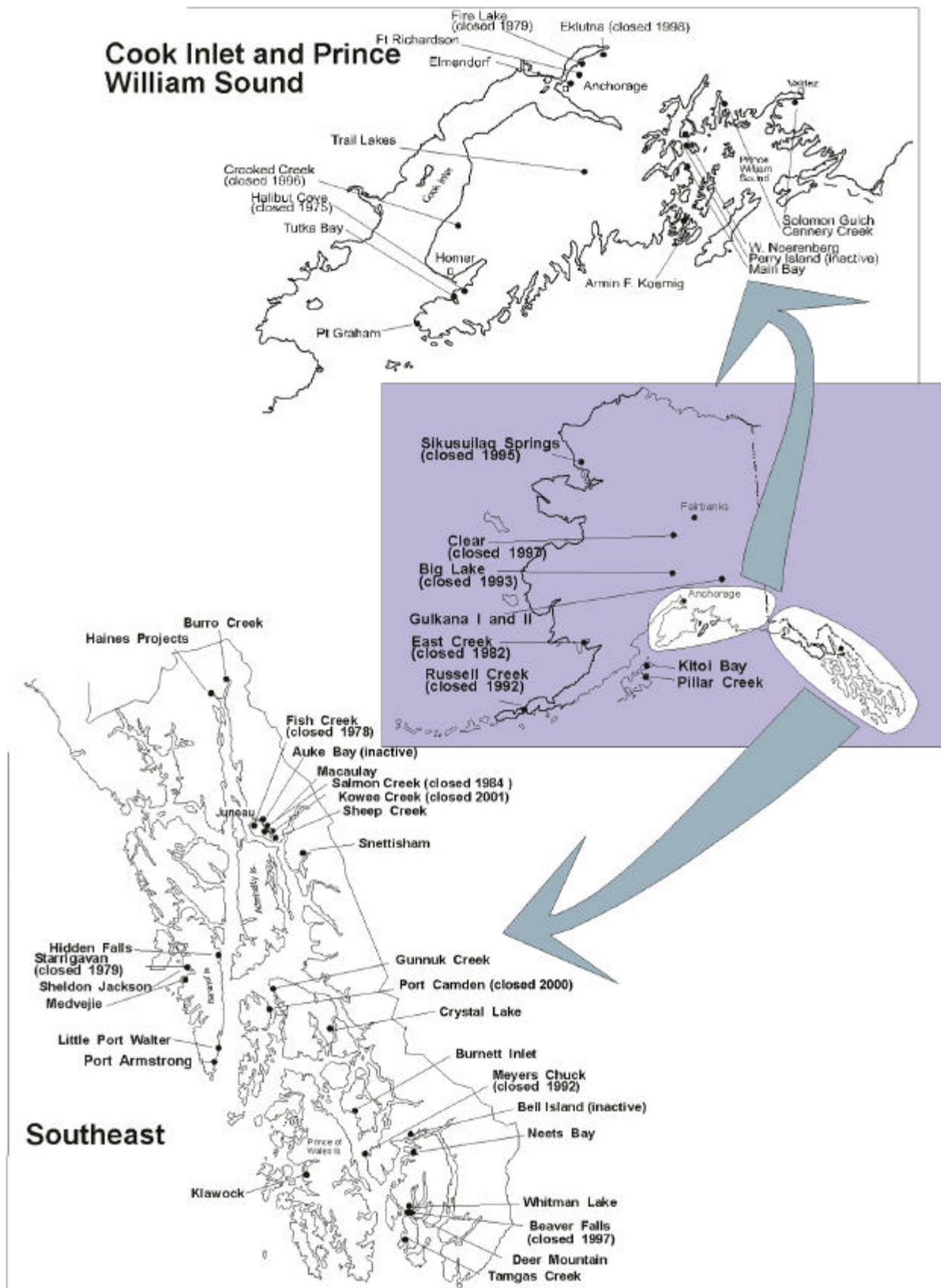


Figure 3. Locations of hatcheries within Alaska.

Table 1. Total egg takes, releases, and returns to the Alaska salmon enhancement program in 2002.

1 (a). Estimated egg takes from Alaska hatcheries, in millions, 2002.

Area	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast	94.05	407.65	27.52	11.68	15.81	0.13	556.85
Prince William Sound	684.17	115.64	3.50	0.00	46.61	0.00	849.92
Cook Inlet	202.21	0.00	2.53	4.62	26.60	3.48	239.44
Kodiak/Alaska Peninsula	187.58	25.94	2.43	0.15	3.67	0.00	219.76
Totals^a	1,168.01	549.23	35.98	16.46	92.71	3.60	1,865.98

1 (b). Estimated releases from Alaska hatcheries, in millions, 2002.

Area	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast	75.48	329.97	14.55	6.60	12.63	0.03	439.26
Prince William Sound	603.41	101.26	2.33	0.00	33.76	0.00	740.76
Cook Inlet	105.97	0.00	1.75	1.77	18.91	0.95	129.35
Kodiak/Alaska Peninsula	152.99	19.59	1.57	0.06	1.34	0.00	175.55
Totals^a	937.85	450.81	20.20	8.43	66.64	0.98	1,484.92

1 (c). Total returns attributed to Alaska hatcheries and enhancement projects in 2002, including common property, cost recovery, broodstock, and escapement.

Area	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast	2,148,834	6,097,329	1,622,672	132,721	145,678	140	10,147,374
Prince William Sound	20,253,798	6,323,402	126,802	80	1,330,109	0	28,034,191
Cook Inlet	1,359,097	0	102,882	33,642	1,366,465	101,579	2,963,665
Kodiak/Alaska Peninsula	7,073,160	144,247	234,496	0	803,297	0	8,255,200
Totals^a	30,834,889	12,564,978	2,086,852	166,443	3,645,549	101,719	49,400,430

^a Some figures may not total exactly due to rounding.



Armin F. Koernig Hatchery.



Main Bay Hatchery interior.

Table 2. Alaska common property commercial harvests in 2002.

2 (a). Alaska common property commercial harvest of enhanced fish, in thousands of fish, 2002.

Area	Harvest ^a	Chinook	Sockeye	Coho	Pink	Chum	Total
Southeast	Total Commercial Harvest	372	787	2,986	45,612	6,294	56,051
	Total Cost Recovery Harvest	38	36	805	976	2,519	4,374
	<i>Common Property Harvest</i>	334	751	2,181	44,636	3,775	51,677
	Enhanced Fish Harvested	49	84	620	948	3,098	4,799
	% Enhanced in Total CP Harvest ^b	14.8%	11.2%	28.4%	2.1%	82.1%	9.3%
Prince William Sound	Total Commercial Harvest	40	2,262	650	18,950	6,373	28,275
	Total Cost Recovery Harvest	0	94	8	10,899	2,555	13,555
	<i>Common Property Harvest</i>	40	2,168	642	8,051	3,818	14,720
	Enhanced Fish Harvested	0	1,070	28	7,873	3,557	12,527
	% Enhanced in Total CP Harvest ^d	0.0%	49.3%	4.4%	97.8%	93.2%	85.1%
Cook Inlet	Total Commercial Harvest	16	3,471	240	2,395	270	6,392
	Total Cost Recovery Harvest	0	86	2	1,042	0	1,130
	<i>Common Property Harvest</i>	16	3,385	238	1,353	270	5,262
	Enhanced Fish Harvested	1	755	5	10	0	770
	% Enhanced in Total CP Harvest ^d	3.4%	22.3%	2.1%	0.7%	0.0%	14.6%
Kodiak	Total Commercial Harvest	19	1,830	495	18,321	650	21,315
	Total Cost Recovery Harvest	0	0	0	0	0	0
	<i>Common Property Harvest</i>	19	1,830	495	18,321	650	21,315
	Enhanced Fish Harvested	0	626	209	6,697	89	7,620
	% Enhanced in Total CP Harvest ^u	0.0%	34.2%	42.3%	36.6%	13.6%	35.8%
Chignik/Aleutian Islands/ Alaska Peninsula	Total Commercial Harvest	12	3,489	276	2,283	927	6,987
	Enhanced Fish Harvested	0	0	0	0	0	0
	% Enhanced in Total CP Harvest ^u	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bristol Bay	Total Commercial Harvest	44	10,624	9	1	461	11,139
	Enhanced Fish Harvested	0	0	0	0	0	0
	% Enhanced in Total CP Harvest ^u	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Arctic-Yukon-Kuskokwim	Total Commercial Harvest	37	24	115	0	49	225
	Enhanced Fish Harvested	0	0	0	0	0	0
	% Enhanced in Total CP Harvest [~]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Total Commercial Harvest	540	22,487	4,771	87,562	15,024	130,384
	Total Cost Recovery Harvest	38	216	815	12,916	5,074	19,059
	<i>Common Property Harvest</i>	502	22,271	3,956	74,646	9,950	111,325
	Enhanced Fish Harvested	50	2,534	863	15,527	6,743	25,717
	% Enhanced in Total CP Harvest^u	10.0%	11.4%	21.8%	20.8%	67.8%	23.1%

^a Total commercial harvest includes fish caught by all commercial gear types, which includes cost recovery harvested fish.

^b CP = common property

2 (b). Total estimated value of Alaska common property harvest, in thousands of dollars, 2002.

Area	Chinook	Sockeye	Coho	Pink	Chum	Total
Southeast	\$5,328	\$3,244	\$7,352	\$8,838	\$6,265	\$31,028
Prince William Sound	\$2,678	\$14,234	\$2,008	\$2,464	\$4,639	\$26,023
Cook Inlet	\$319	\$11,374	\$446	\$237	\$288	\$12,663
Kodiak	\$138	\$5,790	\$725	\$4,719	\$709	\$12,082
Chignik/Aleutian Islands/Alaska Peninsula	\$37	\$10,902	\$193	\$399	\$489	\$12,020
Bristol Bay	\$240	\$29,163	\$18	\$0	\$327	\$29,749
Arctic-Yukon-Kuskokwim	\$1,682	\$56	\$181	\$0	\$39	\$1,958
Totals^a	\$10,423	\$74,764	\$10,924	\$16,657	\$12,756	\$125,524

^a Data from the Alaska Department of Fish and Game website: <<http://www.state.ak.us/adfg/geninfo/finfish/salmon/salmhome.htm>>. Accessed 02/25/2003.

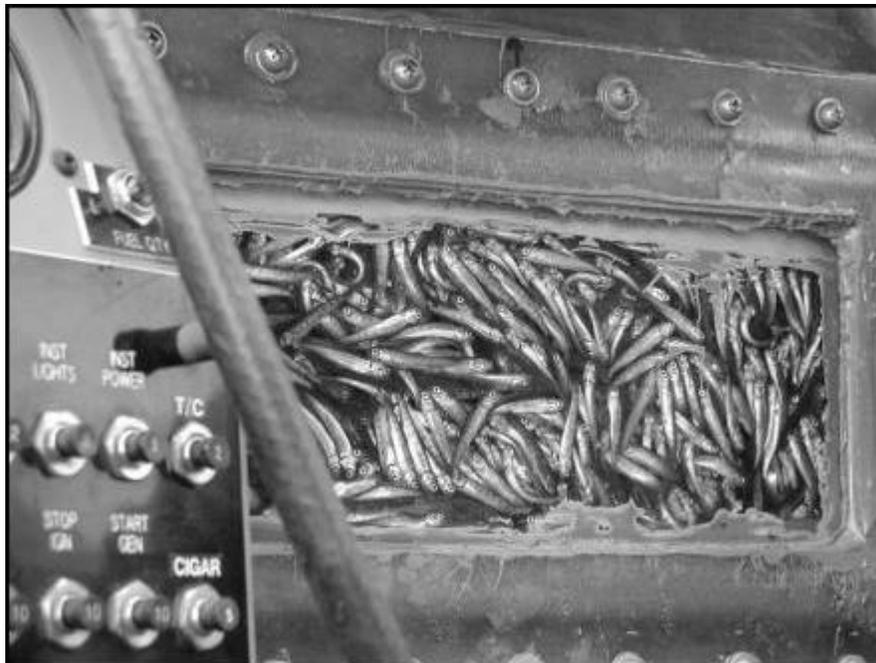
Table 3. Fishery enhancement program time line of events.

Year	Event	Number of state hatcheries	Number of private nonprofit (PNP) hatcheries	Number of Federal hatcheries
1934	Federal research station Little Port Walter constructed			1
1950	Federal hatchery at Auke Creek constructed			2
1953	1 territorial hatchery constructed at Kitoi Bay	1		
1954	1 territorial hatchery constructed at Deer Mountain	2		
1958	1 territorial hatchery constructed at Ft. Richardson	3		
1965	1 state hatchery constructed at Fire Lake	4		
1969	1 state hatchery constructed at Crystal Lake	5		
1971	Fisheries Rehabilitation, Enhancement and Development (FRED) Division created by Legislature			
1973	2 state hatcheries constructed (Crooked Creek and Gulkana)	7		
	State enhancement projects at Starrigavan and Halibut Cove started			
1974	2 state hatcheries constructed (Beaver Falls and East Creek) Legislature authorizes permits for private nonprofit hatchery operators to salmon ranch	9		
1975	4 PNP permits issued [Sheldon Jackson (#3), Port San Juan (#2), Perry Island (#1), and Sandy Bay (#4)] 2 state hatcheries constructed (Big Lake and Tutka)	11	4	
1976	AS 16.10.375 passed, designating regions for regional planning teams and enhancing salmon 1 state hatchery constructed at Elmendorf 2 PNP permits issued [Burnett Inlet (#5) and Kowee Creek (#6)]	12	6	
1977	1 PNP permit issued to Gunnuk Creek (#7) 2 state hatcheries constructed (Klawock and Russell Creek) State enhancement project at Karluk Lake started	14	7	
1978	1 PNP permit issued to Whitman Lake (#8) 2 state hatcheries constructed (Cannery Creek and Hidden Falls)	16	8	
1979	3 PNP permits issued [Sheep Creek (#11), Meyers Chuck (#10), Salmon Creek (#9)] 1 state hatchery constructed (Snettisham) 1 state hatchery closed (Fire Lake)	17 16	11	
1980	1 PNP permit issued to Burro Creek (#12) 2 state hatcheries constructed (Clear and Main Bay) 1 hatchery at Tamgas Creek constructed (Metlakatla Indian Community/BIA)	18	12	3
1981	1 state hatchery closed (East Creek) 2 state hatcheries constructed (Sikusuilag and Trail Lakes) 4 PNP permits issued [Medveje (#16), Port Armstrong (#13), Solomon Gulch (#15), Salmon Creek (#14)] 1 PNP permit revoked [Salmon Creek (#9)]	17 19	16 15	
1982	2 PNP permits issued [Eklutna (#17) and Favorite Bay (#18)]		17	
1983	3 PNP permits issued [Neets Bay (#19), Crittenden Creek (#22), and Esther (#20)] 1 state hatchery completed (Broodstock Development Center)	20	20	
1984	1 PNP permit issued to Santa Anna (#21)		21	
1985	1 PNP permit issued to Port Camden (#23)		22	
1986	1 PNP permit issued to Beaver Falls (#24)		23	
1987	1 PNP permit issued to Gastineau (#25)		24	
1988	Aquatic Farm Act signed; statute passes allowing contracting of hatchery operations 4 state hatcheries contracted to private sector (Kitoi Bay, Trail Lakes, Cannery Creek, Hidden Falls) 4 PNP permits issued [Hidden Falls (#28), Cannery Creek (#26), Trail Lakes (#27), Kitoi Bay (#29)] 1 state hatchery constructed (Pillar Creek) 2 PNP permits revoked [Sandy Bay (#4) and Salmon Creek (#14)]	16 17	28 26	
1990	CSHB432 becomes law prohibiting finfish farming in Alaska 1 PNP permit issued to Bell Island (#30)		27	
1991	5 state hatcheries contracted to private sector [Main Bay (#31), Tutka, Gulkana (#39), Pillar Creek (#38), and Beaver Falls (#24)] — Beaver Falls and Tutka tallied elsewhere Portions of 6 state hatcheries paid for by private or federal funds	12	30	
1992	1 state hatchery closed (Russell Creek) 2 PNP permits issued [Haines projects (#34) and Port Graham (#33)] 1 PNP permit revoked [Meyers Chuck (#10)] FRED Division merged with the Commercial Fisheries Division to form the Commercial Fisheries Management and Development (CFMD) Division	11	32 31	3

Table 3. Continued.

Year	Event	Number of state hatcheries	Number of private nonprofit (PNP) hatcheries	Number of Federal hatcheries
1993	3 state hatcheries transferred from CFMD Division to Sport Fish Division (Broodstock Development Center, Elmendorf, and Ft. Richardson) 2 state hatcheries contracted to private sector (Crooked Creek and Klawock) 1 state hatchery closed (Big Lake)	9 8		3
1994	4 PNP permits issued [Tutka (#32), Crooked Creek (#35), Klawock (#36), Deer Mountain (#37)] 1 state hatchery contracted (Deer Mountain) Ft. Richardson Hatchery merged with Broodstock Development Center	7 6	35	
1995	1 PNP hatchery under new management [Klawock (#38)] 1 state hatchery transferred from CFMD Division to Sport Fish Division (Crystal Lake) 1 state hatchery closed (Sikusuilag)	5		
1996	1 state hatchery contracted [Snettisham (#39)] 1 state hatchery transferred from CFMD Division to Sport Fish Division (Clear) 3 PNP permits revoked [Crittenden Creek (#22), Santa Anna (#21), and Favorite Bay (#18)]	4	36 33	
1997	1 state hatchery closed (Clear) 2 state contracted (PNP) hatcheries closed [Beaver Falls (#24), Crooked Creek (#35)] 1 PNP hatchery closed & reopened under new management [Burnett Inlet (#5, now #40)]	3	31 31	
1998	1 PNP hatchery closed [Eklutna (#17)]		30	
2000	1 state hatchery contracted to private sector (Crystal Lake Hatchery) Port Camden hatchery permit (#23) given up	2	31 30	3
2001	Kowee Creek hatchery permit (#6) revoked; 1 Federal hatchery inactivated (Auke Creek)		29	2
2002	No activity	2	29 ^a	2

^a Perry Island and Bell Island are not active; there are 27 active PNPs.



Gulkana sockeye salmon fry, as seen in the window of the plane preparing to transport them to Crosswind Lake.

Table 4. List of acronyms and abbreviations used throughout this report.

Acronym	
AAC	American Aquaculture Corporation
AAI	Alaska Aquaculture, Inc.
ADF&G	Alaska Department of Fish and Game
AKI	Armstrong-Keta, Inc.
AYK	Arctic-Yukon-Kuskokwim
BCF	Burro Creek Farms, Inc.
CIAA	Cook Inlet Aquaculture Association
COOP	Cooperative projects between state and PNP operators
DCED	Department of Commerce and Economic Development
DIPAC	Douglas Island Pink and Chum, Inc.
DMTH	Deer Mountain Tribal Hatchery
FRED	Fisheries Rehabilitation, Enhancement and Development Division
KNFC	Kake Nonprofit Fisheries Corporation
KRAA	Kodiak Regional Aquaculture Association
MCAA	Meyers Chuck Aquaculture Association
MIC	Metlakatla Indian Community
NMFS	National Marine Fisheries Service
NSRAA	Northern Southeast Regional Aquaculture Association
PGHC	Port Graham Hatchery Corporation
PNP	Private nonprofit
POWHA	Prince of Wales Hatchery Association
PWSAC	Prince William Sound Aquaculture Corporation
SJC	Sheldon Jackson College
SSRAA	Southern Southeast Regional Aquaculture Association
VFDA	Valdez Fisheries Development Association



Incubation box at Gulkana Hatchery.

Table 5. Eggs taken at Alaska hatcheries in 2002, in millions of eggs (transferred eggs are listed with the receiving hatchery).

Area/Operator/Location		Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast								
SSRAA	Whitman Lake		32.15	5.03	1.36			38.54
	Neets Bay		74.27					74.27
	Burnett Inlet			2.67		0.84		3.50
	Crystal Lake			0.37	2.35			2.73
NSRAA	Hidden Falls		93.58	5.36	1.98			100.92
	Medvejie Creek	0.30	51.00	3.01	3.20			57.51
	Haines projects		0.63					0.63
AKI	Port Armstrong	90.37		1.46	0.17			92.00
DIPAC	Macaulay ^a		108.94	0.90	0.87			110.71
	Snettisham					14.19		14.19
KTHC	Deer Mountain			0.19	0.15		0.05	0.40
KNFC	Gunnuk Creek		44.65					44.65
POWHA	Klawock			5.11		0.74		5.85
SJC	Sheldon Jackson	3.25	0.43	0.11	0.07			3.85
MIC	Tamgas Creek		2.00	3.32	1.00	0.05		6.37
Federal ^b	Little Port Walter	0.13			0.52		0.08	0.73
Southeast Totals^c		94.05	407.65	27.52	11.68	15.81	0.13	556.85
Prince William Sound								
PWSAC	Armin F. Koernig	161.41						161.41
	Wally Noerenberg	132.66	115.64	1.20				249.49
	Cannery Creek	153.72						153.72
	Main Bay					9.91		9.91
	Gulkana					36.71		36.71
VFDA	Solomon Gulch	236.39		2.30				238.70
Prince William Sound Totals^c		684.17	115.64	3.50	0.00	46.61	0.00	849.92
Cook Inlet								
PGHC	Port Graham	77.36				1.42		78.78
CIAA	Trail Lakes			1.20		25.19		26.38
	Tutka Bay	124.85						124.85
ADF&G	Elmendorf				2.30			2.30
	Ft. Richardson			1.33	2.32		3.48	7.13
Cook Inlet Totals^c		202.21	0.00	2.53	4.62	26.60	3.48	239.44
Kodiak								
KRAA	Kitoy Bay	187.58	25.94	2.32				215.84
	Pillar Creek			0.11	0.15	3.67		3.93
Kodiak Totals^c		187.58	25.94	2.43	0.15	3.67	0.00	219.76
Statewide Totals^c		1,168.01	549.23	35.98	16.46	92.71	3.60	1,865.98

^a Burro Creek and Sheep Creek egg takes are listed under Macaulay Hatchery.

^b Auke Creek Hatchery inactivated.

^c Some figures may not total exactly due to rounding.

Table 6. Alaskan hatchery releases in 2002, in millions of fish.

Area/Operator/Location	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast^a							
SSRAA Whitman Lake			0.31	0.69			1.00
Kendrick Bay		9.97					9.97
Nakat Inlet		8.28	0.30				8.58
Anita Bay		7.25	0.20				7.45
Long Lake				0.26			0.26
Neets Bay		53.93	3.07				57.00
Nakat Inlet		8.17					8.17
Anita Bay		6.54					6.54
Burnett Inlet			0.24				0.24
Hugh Smith Lake					0.47		0.47
Neck Lake/Creek			0.85		0.46		1.31
Crystal Lake			0.18	0.55			0.73
Neets Bay				0.45			0.45
NSRAA Hidden Falls		36.50	1.95	1.15			39.60
Takatz Bay		36.32					36.32
Medvejie	0.26	7.01	0.01	1.95			9.23
Deep Inlet		40.73					40.73
Deer Lake			0.95				0.95
Shamrock Bay			0.35				0.35
Haines projects		0.55					0.55
AKI Port Armstrong	72.66		1.47				74.13
DIPAC Macaulay (formerly Gastineau)	1.70	28.14	0.81	0.21			30.87
Amalga Harbor		17.45					17.45
Boat Harbor		11.26					11.26
Limestone Inlet		14.62					14.62
Skagway				0.10			0.10
Fish Cr/Auke Bay/Twin L				0.28			0.28
Snettisham				0.00	11.14		11.14
KTHC Deer Mountain			0.12	0.10		0.01	0.21
KNFC Gunnuk Creek		6.56					6.56
Southeast Cove		34.95					34.95
Duncan Creek			0.06				0.06
SJC Sheldon Jackson	0.86	0.95	0.01	0.03			1.85
MIC Tamgas Creek		0.77	1.60	0.84	0.06		3.27
POWHA Klawock			2.07		0.51	0.01	2.58
Federal Little Port Walter						0.02	0.02
Southeast Totals^b	75.48	329.97	14.55	6.60	12.63	0.03	439.26
Prince William Sound							
PWSAC Armin F. Koernig	155.98						155.98
Wally Noerenberg	106.23	75.34	0.24				181.81
Port Chalmers		25.91					25.91
Whittier			0.09				0.09
Cordova			0.10				0.10
Chenega			0.05				0.05
Gulkana I and II					25.90		25.90
Cannery Creek	138.63						138.63
Main Bay					7.86		7.86
VFDA Solomon Gulch	202.57		1.84				204.42
Prince William Sound Totals^b	603.41	101.26	2.33	0.00	33.76	0.00	740.76
Cook Inlet^c							
PGHC Port Graham	6.60						6.60
CIAA Trail Lakes- Bear Creek/Lake			0.53		9.28		9.80
Kirschner/Leisure/Hazel					3.83		3.83
Hidden Lake					0.98		0.98
Meadow Creek/Paint Lake					4.82		4.82
Tutka Bay	99.37						99.37
ADF&G Elmendorf				1.07		0.24	1.31
Ft. Richardson			1.23	0.70		0.72	2.64
Cook Inlet Totals^b	105.97	0.00	1.75	1.77	18.91	0.95	129.35
Kodiak							
KRAA Kitoi Bay	152.99	19.59	1.45		0.21		174.25
Pillar Creek			0.12	0.06	1.13		1.31
Kodiak Totals^b	152.99	19.59	1.57	0.06	1.34	0.00	175.55
Statewide Totals^b	937.85	450.81	20.20	8.43	66.64	0.98	1,484.92

^a No releases were made from Sheep Creek, Bell Island, or Burro Creek hatcheries.

^b Some figures may not total exactly due to rounding.

^c No releases were made from Eklutna Hatchery.

Table 7. Estimated adult returns, by species, to Alaska enhancement projects in 2002, including common property harvests, as reported by operators.

Area/Operator/Location		Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast ^a								
SSRAA	Whitman Lake		238,900	52,756	28,377			320,033
	Neets Bay		1,014,700	368,028	11,183			1,393,911
	Burnett Inlet			85,089		398		85,487
	Crystal Lake			4,195	5,790			9,985
NSRAA	Hidden Falls		1,620,490	440,949	21,205			2,082,644
	Medvejeje		768,555	110,632	42,546			921,733
	Haines projects		8,423			8,376		16,799
AKI	Port Armstrong	1,988,926		227,109				2,216,035
BCF	Burro Creek				60			60
DIPAC	Sheep Creek ^b							0
	Macaulay	115,106	2,061,801	107,685	10,350			2,294,942
	Snettisham					122,743		122,743
KNFC	Gunnuk Creek		378,623	504				379,127
SJC	Indian River	44,444	2,337	627	80			47,488
POWHA	Klawock			89,432		14,078		103,510
Federal	Tamgas Creek		3,500	128,699	10,602	83		142,884
	Auke Creek							0
	Little Port Walter	358			1,830		135	2,323
KTHC	Deer Mountain	0		6,967	698		5	7,670
Southeast Totals		2,148,834	6,097,329	1,622,672	132,721	145,678	140	10,147,374
Prince William Sound								
PWSAC	Armin F. Koernig	7,782,834	54,464					7,837,298
	Wally Noerenberg	5,617,122	6,268,938	28,302	80			11,914,442
	Cannery Creek	1,588,603						1,588,603
	Main Bay					954,651		954,651
	Gulkana					375,458		375,458
VFDA	Solomon Gulch	5,265,239		98,500				5,363,739
Prince William Sound Totals		20,253,798	6,323,402	126,802	80	1,330,109	0	28,034,191
Cook Inlet ^c								
PGHC	Port Graham	391,830				64,691		456,521
CIAA	Trail Lakes			5,844		1,301,224		1,307,068
	Tutka	967,267				550		967,817
ADF&G	Elmendorf				22,362		92,366	114,728
	Ft. Richardson			97,038	11,280		9,213	117,531
Cook Inlet Totals		1,359,097	0	102,882	33,642	1,366,465	101,579	2,963,665
Kodiak								
KRAA	Kitoy Bay	7,073,160	144,247	222,847		29,184		7,469,438
	Fish Pass/Other					89,517		89,517
	Pillar Creek			11,649		684,596		696,245
Kodiak Totals		7,073,160	144,247	234,496	0	803,297	0	8,255,200
Statewide Totals		30,834,889	12,564,978	2,086,852	166,443	3,645,549	101,719	49,400,430

^a No enhanced fish returned to Auke Creek or Bell Island hatcheries.

^b Sheep Creek returns are listed under Macaulay Hatchery.

^c No fish returned to Eklutna Hatchery.

Table 8. Projected adult returns, by species, to Alaska enhancement projects in 2003.

Region/Operator/Location	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast							
SSRAA Whitman Lake			20,000	25,000			45,000
Earl West Cove							0
Nakat Inlet		280,000	15,000				295,000
Anita Bay		50,000	20,000	6,000			76,000
Kendrick Bay		120,000					120,000
Neets Bay		2,033,000	160,000	14,000			2,207,000
Burnett Inlet (under SSRAA)			23,000				23,000
Neck Lake			68,000		10,000		78,000
Salmon Lake							0
Hugh Smith Lake					32,000		32,000
McDonald Lake					113,000		113,000
Crystal Lake			3,500	7,600			11,100
NSRAA Hidden Falls		3,450,000	157,600	27,000			3,634,600
Medvejie Creek		1,450,000	104,800	38,000			1,592,800
Haines projects		16,261			4,463		20,724
AKI Port Armstrong	2,179,913		146,972				2,326,885
BCF Burro Creek				20			20
DIPAC Macaulay (was Gastineau)	93,500	456,000	89,500	8,200			647,200
Amalga Harbor		1,730,000					1,730,000
Boat Harbor		177,000					177,000
Limestone Inlet		280,000					280,000
Snettisham					218,000		218,000
Sweetheart Lake					3,100		3,100
Taku River					20,446		20,446
Stikine River					63,866		63,866
KTHC Deer Mountain			8,476	858		33	9,367
KNFC Gunnuk Creek		302,710	754				303,464
Southeast Cove		1,760,470					1,760,470
SJC Indian River	25,842	14,748	22	1,466			42,078
Federal Little Port Walter				2,550		50	2,600
POWHA Klawock			123,918		7,189		131,107
Southeast Totals	2,299,255	12,120,189	941,542	130,694	472,064	83	15,963,744
Prince William Sound							
PWSAC Armin F. Koernig	6,200,000	2,100					6,202,100
Wally Noerenberg	4,700,000	5,000,000	48,600				9,748,600
Cannery Creek	5,500,000						5,500,000
Main Bay					937,200		937,200
Gulkana					383,900		383,900
VFDA Solomon Gulch	10,290,724		186,031				10,476,755
Prince William Sound Totals	26,690,724	5,002,100	234,631	0	1,321,100	0	33,248,555
Cook Inlet							
PGHC Port Graham	158,491				94,615		253,106
CIAA Trail Lakes							
Hazel/Leisure/ Chenik					82,400		82,400
Big Lake					125,500		125,500
Kirschner Lake					21,900		21,900
Hidden Lake					125,424		125,424
Bear Lake				15,300	52,500		67,800
Tustumena Lake					676,800		676,800
Tutka Bay	1,150,000						1,150,000
ADF&G Elmendorf				21,253		129,996	151,249
Ft. Richardson			58,225	5,276			63,501
Cook Inlet Totals	1,150,000	0	58,225	41,829	1,084,524	129,996	2,464,574
Kodiak							
KRAA Kitoi Bay	8,613,388	563,158	160,367		7,700		9,344,613
Pillar Creek			4,400		522,700		527,100
Kodiak Totals	8,613,388	563,158	164,767	0	530,400	0	9,871,713
Statewide Totals	38,753,367	17,685,447	1,399,165	172,523	3,408,088	130,079	61,548,586

Table 9. Cumulative state loans and enhancement funds returned to associations as reported in: Department of Commerce and Economic Development, Division of Investments — Fisheries Enhancement Revolving Loan Fund Program Overview.

Region/Corporation (number of permits)	State Loans				Enhancement Funds Generated Through Assessments Returned to Associations via Contract		2002 Operator Reported Revenues ^a	
	For Capital Construction		For Operations		FY 2003	Cumulative		
	FY 2002	Cumulative	FY 2002	Cumulative				
Southern Southeast								
SSRAA (Southern Southeast Regional Aquaculture Association) — (4) ^b		\$ 9,393,000		\$ 4,492,309	\$1,138,968	\$31,771,590	\$ 1,755,601	
AAI (Alaska Aquaculture, Inc.) — (0) ^c		\$ 3,469,418		\$ 4,678,794				
MCAA (Meyers Chuck Aquaculture Association) — (0) ^c		\$ 10,000						
POWHA (Prince of Wales Hatchery Association) — (1)		\$ 400,000		\$ 1,110,000	\$ 0	\$ 0	\$ 350,000	
KTHC (Ketchikan Tribal Hatchery Corporation) — (1)					\$ 0	\$ 0	\$ 256,264	
Northern Southeast								
NSRAA (Northern Southeast Regional Aquaculture Association) — (3) ^b		\$ 2,724,265		\$ 1,816,496	\$1,063,696	\$23,412,812	\$ 2,568,006	
AKI (Armstrong-Keta, Inc.) — (1)		\$ 3,565,145		\$ 4,087,595	\$ 0	\$ 0	\$ 927,014	
BCF (Burro Creek Farms, Inc.) — (1)		\$ 143,500		\$ 290,875	\$ 0	\$ 0	\$ 33,143	
DIPAC (Douglas Island Pink and Chum, Inc.) — (3)		\$ 9,139,000		\$13,664,000	\$ 0	\$ 0	\$ 5,415,716	
KNFC (Kake Nonprofit Fisheries Corporation) — (1)	\$225,000	\$ 3,083,724		\$ 6,128,058	\$ 0	\$ 0	\$ 679,244	
SJC (Sheldon Jackson College) — (1)		\$ 423,624			\$ 0	\$ 0	\$ 0	
THFDC (Tlingit and Haida Fisheries Development Corporation) — (0) ^c		\$ 1,464,000		\$ 89,860				
Prince William Sound								
PWSAC (Prince William Sound Aquaculture Association) — (3) ^d		\$24,475,419		\$ 5,585,500	\$ 708,306	\$14,559,187	\$ 7,010,179	
VFDA (Valdez Fisheries Development Association) — (1)	\$494,236	\$ 4,894,766		\$ 8,024,246	\$ 0	\$ 0	\$ 2,605,653	
Cook Inlet								
PGHC (Port Graham Hatchery Corporation) — (1)		\$ 515,000		\$ 140,000	\$ 0	\$ 0	\$ 96,931	
CIAA (Cook Inlet Aquaculture Association) — (3) ^d	\$137,500	\$ 1,576,381		\$ 2,183,369	\$ 191,778	\$20,007,359	\$ 1,659,186	
Kodiak								
KRAA (Kodiak Regional Aquaculture Association) — (2) ^d					\$ 399,680	\$11,700,799	\$ 0	
Chignik								
CRAA (Chignik Regional Aquaculture Association) — (0) ^c					\$ 165,228	\$ 2,959,834	\$ 0	
Statewide Totals		\$856,736	\$65,277,242	\$ 0	\$52,291,102	\$3,667,656	\$100,743,926	\$23,356,937

^a Data is preliminary and includes all reported revenue sources: cost recovery, carcass sale, donations, grants, etc.

^b A 3% mandatory assessment tax was collected from commercial fishermen.

^c A struck-through corporation name indicates that the corporation is no longer active.

^d A 2% mandatory assessment tax was collected from commercial fishermen.

Table 10 (a). Summary of anadromous salmon production (all species) from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)	Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1966	NA	1	0	1985	995	659	16,650
1967	NA	1	0	1986	1,026	762	12,808
1968	NA	1	0	1987	1,369	824	25,354
1969	NA	1	0	1988	1,280	1,114	17,820
1970	NA	1	0	1989	1,418	1,087	34,530
1971	NA	1	0	1990	1,603	1,154	47,422
1972	NA	2	0	1991	1,634	1,319	46,109
1973	2	0	0	1992	1,725	1,323	23,187
1974	8	2	0	1993	1,685	1,475	32,609
1975	29	7	18	1994	1,758	1,302	55,172
1976	56	9	38	1995	1,913	1,503	38,062
1977	96	38	175	1996	1,687	1,638	49,229
1978	129	73	334	1997	1,734	1,363	50,839
1979	152	85	1,962	1998	1,776	1,453	56,468
1980	292	96	3,024	1999	1,791	1,435	71,276
1981	475	212	4,885	2000	1,762	1,476	62,960
1982	548	331	6,939	2001	1,792	1,481	61,730
1983	668	412	6,560	2002	1,862	1,484	49,299
1984	829	506	7,689	Total	29,402	22,639	726,157

10 (b). Summary of pink salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)	Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1974	5	0		1989	975	675	31,754
1975	15	5	18	1990	1,014	811	41,207
1976	23	4	16	1991	998	862	38,132
1977	66	18	175	1992	1,077	797	14,879
1978	79	50	321	1993	1,031	919	20,693
1979	91	60	1,591	1994	1,076	790	41,489
1980	174	64	2,310	1995	1,162	921	25,415
1981	328	135	4,371	1996	929	999	29,298
1982	344	218	6,610	1997	1,064	772	33,956
1983	406	264	5,939	1998	1,121	873	38,651
1984	443	332	5,298	1999	1,092	878	51,973
1985	604	366	14,158	2000	1,074	880	40,395
1986	511	484	9,044	2001	1,097	942	47,247
1987	840	443	21,960	2002	1,168	938	30,835
1988	736	730	13,838				

10 (c). Summary of chum salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)	Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1974	1	0		1989	293	310	1,347
1975	5	1		1990	450	241	2,039
1976	7	2		1991	480	365	2,181
1977	8	3	1	1992	510	428	3,089
1978	12	4	3	1993	496	469	6,709
1979	24	7	6	1994	529	407	8,996
1980	74	13	16	1995	596	473	9,808
1981	87	46	53	1996	590	535	16,353
1982	126	63	153	1997	524	485	12,595
1983	170	86	301	1998	517	479	13,468
1984	269	108	1,809	1999	571	461	15,072
1985	244	201	1,404	2000	576	508	18,698
1986	374	182	1,931	2001	564	468	9,167
1987	380	298	1,930	2002	549	451	12,565
1988	392	288	2,490				

10 (d). Summary of coho salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)	Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1966	NA	1		1985	20	15	308
1967	NA	1		1986	24	13	647
1968	NA	1		1987	26	15	451
1969	NA	1		1988	28	19	251
1970	NA	1		1989	23	16	489
1971	NA	0		1990	22	18	940
1972	NA	2		1991	23	14	1,251
1973	NA	2		1992	21	14	1,378
1974	NA	2		1993	25	15	915
1975	7	4	0	1994	28	18	1,306
1976	5	3	22	1995	27	21	1,312
1977	5	5		1996	30	21	1,087
1978	5	3		1997	36	23	1,456
1979	4	3	49	1998	30	21	1,365
1980	4	2	21	1999	26	22	1,553
1981	8	3	55	2000	28	19	1,631
1982	16	3	108	2001	29	21	1,799
1983	17	9	96	2002	36	20	2,087
1984	21	11	179				

10 (e). Summary of chinook salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)	Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1966	NA	0		1985	19	4	26
1967	NA	1		1986	16	6	40
1968	NA	0		1987	17	8	93
1969	NA	0		1988	18	9	75
1970	NA	0		1989	15	8	76
1971	NA	0		1990	17	10	116
1972	NA	0		1991	20	7	172
1973	NA	0		1992	13	10	131
1974	0	1		1993	12	12	112
1975	1	0		1994	13	10	126
1976	1	0		1995	14	7	171
1977	3	1		1996	11	7	171
1978	2	1	0	1997	12	7	150
1979	2	1	3	1998	13	8	104
1980	3	1	7	1999	12	8	112
1981	1	1	5	2000	11	9	159
1982	3	1	12	2001	13	10	188
1983	7	2	13	2002	16	8	166
1984	10	4	21				

10 (f). Summary of sockeye salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)	Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1972	NA	0		1988	107	69	1,166
1973	2	0		1989	112	77	864
1974	2	1		1990	100	74	3,120
1975	8	1		1991	113	70	4,373
1976	24	2		1992	104	74	3,710
1977	19	14	0	1993	122	61	4,180
1978	35	16	13	1994	112	77	3,255
1979	30	17	318	1995	115	81	1,356
1980	38	15	670	1996	127	75	2,320
1981	51	28	401	1997	98	75	2,682
1982	59	45	56	1998	95	72	2,879
1983	68	53	210	1999	91	67	2,566
1984	86	52	382	2000	74	60	2,076
1985	108	73	754	2001	89	39	3,328
1986	101	77	1,146	2002	93	67	3,646
1987	107	60	920				

Table 11 (a). Summary of statewide salmon production from private nonprofit hatcheries in Alaska, as reported by operators.

Year	Egg take (millions)	Fry release (millions)	Total return (thousands)	Cost recovery (thousands)	Cost recovery revenue
1975	8				
1976	17	4			
1977	37	12	160	109	
1978	37	27	161	215	
1979	54	29	357	253	\$272,000
1980	126	36	1,506	346	\$482,000
1981	224	102	2,564	856	\$1,274,640
1982	234	127	5,341	1,364	\$1,170,000
1983	261	170	4,286	886	\$671,000
1984	373	218	4,764	1,043	\$1,655,000
1985	470	302	8,106	1,854	\$1,902,000
1986	522	381	7,904	1,212	\$1,861,000
1987	868	461	19,097	4,184	\$6,562,000
1988	1,046	820	14,344	2,498	\$8,789,000
1989	1,109	860	24,045	15,012	\$16,611,000
1990	1,249	925	42,405	10,388	\$12,898,000
1991	1,326	1,087	40,265	13,170	\$6,317,000
1992	1,428	1,075	18,175	7,255	\$10,239,000
1993	1,613	1,426	27,781	4,848	\$7,340,000
1994	1,726	1,268	52,023	15,906	\$17,104,000
1995	1,877	1,174	37,593	9,554	\$12,924,000
1996	1,735	1,632	48,946	14,657	\$14,325,000
1997	1,713	1,349	50,629	19,352	\$16,111,000
1998	1,759	1,444	56,154	15,651	\$14,535,000
1999	1,778	1,428	71,140	22,608	\$21,759,078
2000	1,750	1,469	62,743	19,007	\$26,065,000
2001	1,779	1,473	59,885	18,398	\$22,196,000
2002	1,849	1,478	49,023	19,000	\$19,462,990
Cumulative Hatchery Revenues from Special Harvests:					\$242,525,708

11 (b). Summary of pink salmon production from private nonprofit hatcheries in Alaska.

Year	Egg take (millions)	Fry release (millions)	Total return (thousands)	Cost recovery (thousands)
1975	8			
1976	16	4		
1977	35	12	160	109
1978	35	26	160	215
1979	47	28	356	253
1980	98	32	1,505	346
1981	188	79	2,491	838
1982	185	103	5,253	1,359
1983	186	127	4,087	843
1984	242	159	3,638	583
1985	340	199	7,405	1,699
1986	325	272	6,768	949
1987	618	299	17,964	3,625
1988	645	626	12,258	2,008
1989	806	553	22,561	14,529
1990	789	685	39,920	9,846
1991	831	704	37,081	12,367
1992	883	648	13,200	5,977
1993	1,029	920	19,844	2,740
1994	1,075	787	40,939	13,384
1995	1,162	621	25,415	6,819
1996	929	999	29,298	9,401
1997	1,064	772	33,956	14,027
1998	1,121	873	38,652	10,693
1999	1,092	878	51,973	17,623
2000	1,074	880	40,395	12,381
2001	1,097	942	47,247	14,564
2002	1,168	938	30,835	12,916

11 (c). Summary of chum salmon production from private nonprofit hatcheries in Alaska.

Year	Egg take (millions)	Fry release (millions)	Total return (thousands)	Cost recovery (thousands)
1975	<1	<1		
1976	<1	<1		
1977	2	<1		
1978	2	1	1	0
1979	7	1	<1	0
1980	27	3	2	0
1981	32	22	21	12
1982	46	24	22	<1
1983	69	42	127	35
1984	122	55	1,001	437
1985	119	98	525	123
1986	181	100	780	189
1987	235	150	955	499
1988	370	186	1,835	470
1989	267	287	1,102	298
1990	425	217	1,633	370
1991	442	359	1,959	404
1992	495	394	3,079	706
1993	458	452	6,387	1,782
1994	520	402	8,783	2,128
1995	590	463	9,800	2,252
1996	651	534	16,205	4,782
1997	517	477	13,250	4,643
1998	513	479	13,423	4,355
1999	568	460	15,072	4,361
2000	572	508	18,698	6,060
2001	560	468	7,620	3,104
2002	547	450	12,561	5,074

11 (d). Summary of coho salmon production (thousands) from private nonprofit hatcheries in Alaska.

Year	Egg take (millions)	Fry release (millions)	Total return (thousands)	Cost recovery (thousands)
1975	<1			
1976	<1			
1977	<1	<1		
1978	1	<1	<1	
1979	1	<1	<1	
1980	1	1	<1	
1981	3	1	52	6
1982	3	1	62	2
1983	6	2	72	7
1984	6	3	121	22
1985	4	4	168	30
1986	8	4	345	73
1987	9	5	169	58
1988	13	5	122	11
1989	14	9	305	89
1990	14	11	692	141
1991	16	12	1,001	368
1992	17	10	1,070	378
1993	19	11	657	144
1994	24	13	1,189	240
1995	22	14	966	319
1996	28	20	1,041	253
1997	26	18	921	258
1998	23	17	1,124	342
1999	20	18	1,452	372
2000	22	15	1,456	320
2001	23	17	1,561	433
2002	31	17	1,861	762

11 (e). Summary of chinook salmon production from private nonprofit hatcheries in Alaska.

Year	Egg take (millions)	Fry release (millions)	Total return (thousands)	Cost recovery (thousands)
1980	<1			
1981	<1			
1982	<1	<1	4	3
1983	1	<1	1	0
1984	3	<1	4	1
1985	6	1	8	2
1986	7	4	11	1
1987	5	6	9	2
1988	7	2	23	9
1989	7	3	37	18
1990	9	5	60	22
1991	10	4	70	26
1992	7	6	42	23
1993	5	7	54	26
1994	6	6	58	15
1995	6	4	98	28
1996	8	4	97	34
1997	8	5	85	32
1998	7	5	76	19
1999	7	5	77	16
2000	8	7	117	37
2001	10	7	130	49
2002	10	6	120	33

11 (f). Summary of sockeye salmon production from private nonprofit hatcheries in Alaska.

Year	Egg take (millions)	Fry release (millions)	Total return (thousands)	Cost recovery (thousands)
1985	<1			
1986	1	<1		
1987	2	1		
1988	11	1	66	0
1989	15	8	40	79
1990	12	8	101	9
1991	27	8	154	5
1992	26	16	784	171
1993	103	37	839	156
1994	100	60	1,054	139
1995	97	72	1,313	136
1996	119	75	2,306	187
1997	98	77	2,417	392
1998	95	71	2,880	242
1999	91	67	2,566	236
2000	74	60	2,076	209
2001	89	39	3,327	248
2002	93	67	3,645	216



Taking eggs at Neets Bay Hatchery.

Table 12. Alaska commercial salmon fishery harvest average weights and prices, 2002.

Area/Species	Average Harvest ^a	
	Weight (lb)	Price/lb.
Cook Inlet		
Chinook	17.8	\$1.12
Sockeye	6.0	\$0.56
Coho	7.5	\$0.25
Pink	3.5	\$0.05
Chum	8.2	\$0.13
Kodiak		
Chinook	10.0	\$0.73
Sockeye	5.7	\$0.56
Coho	7.7	\$0.19
Pink	3.7	\$0.07
Chum	7.8	\$0.14
Prince William Sound		
Chinook	20.6	\$3.25
Sockeye	6.5	\$1.01
Coho	9.2	\$0.34
Pink	3.4	\$0.09
Chum	8.1	\$0.15
Southeast		
Chinook	16.3	\$0.98
Sockeye	6.3	\$0.69
Coho	7.5	\$0.45
Pink	3.3	\$0.06
Chum	9.2	\$0.18

^a Data from the Alaska Department of Fish and Game website: <<http://www.state.ak.us/adfg/geninfo/finfish/salmon;salmhome.htm>>. Accessed 02/25/2003.

Table 13. Alaska state hatchery FY2002 operating budgets, in thousands of dollars.

Hatchery	FY2002	FY2002
	Authorized Total	Actual Total
Elmendorf Hatchery	\$ 651.40	\$ 690.70
Ft. Richardson Hatchery	\$1,364.80	\$1,208.30
Crystal Lake Hatchery ^a	\$ 192.70	\$ 192.70

^a Crystal Lake Hatchery is also funded with \$192,000 from the Southeast Sustainable Salmon Fund.

Table 14. Detailed return information, by species, to 2002 Alaska enhancement program projects.

14 (a). Estimated pink salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

Area/Operator/Location	Common Property Harvest				Personal Use/ Subsistence	Other	Cost Recovery			Total
	Seine	Gillnet	Troll	Sport			Brood	Harvest	Escapement	
Southeast										
AKI	Port Armstrong	883,967				50,000	118,913	936,046		1,988,926
DIPAC	Macaulay (was Gastineau)	22,027			1,079	51,910		40,090		115,106
SJC	Sitka	41,934				70	2,440			44,444
NOAA	Little Port Walter						358			358
Southeast Totals		947,928	0	0	1,079	101,980	121,353	976,136	0	2,148,834
Prince William Sound										
PWSAC	Armin F. Koernig	5,269,324					368,694	2,144,816		7,782,834
	Wally Noerenberg	1,474,723	94,545				340,198	3,707,656		5,617,122
	Cannery Creek	642,560					330,141	615,902		1,588,603
VFDA	Solomon Gulch	391,444			23,560	93,921	312,864	4,430,173	13,277	5,265,239
Prince William Sound Totals		7,778,051	94,545	0	23,560	93,921	1,351,897	10,898,547	13,277	20,253,798
Cook Inlet										
PGHC	Port Graham		5,000			55,000	96,433	235,397		391,830
CIAA	Tutka	498	4,293				156,344	806,132		967,267
Cook Inlet Totals		498	9,293	0	0	55,000	252,777	1,041,529	0	1,359,097
Kodiak										
KRAA	Kitoy Bay	6,696,774					336,386		40,000	7,073,160
Kodiak Totals		6,696,774	0	0	0	0	336,386	0	40,000	7,073,160
Statewide Totals		15,423,251	103,838	0	24,639	250,901	2,062,413	12,916,212	53,277	30,834,889

14 (b). Estimated chum salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

Area/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Other	Cost Recovery		Escapement	Total
		Seine	Gillnet	Troll	Sport			Harvest	Brood		
Southeast											
SSRAA	Whitman Lake										
	Nakat Inlet – summer	65,600	40,200								105,800
	Nakat Inlet- Fall										0
	Earl West Cove – summer	17,700	51,000								68,700
	Kendrick Bay – summer	62,500	1,900								64,400
	Neets Bay – summer	81,600	31,400	25,600		48,800	90,200	555,900			833,500
	Neets Bay – fall	25,600	20,900			8,100	20,300	106,300			181,200
NSRAA	Medveja	285,345	186,584	80,585		100	37,969	176,972	1,000		768,555
	Hidden Falls	1,225,544		4,991		1,039	107,221	281,695			1,620,490
	Haines projects		5,840				850		1,733		8,423
DIPAC	Sheep Creek										0
	Macaulay (was Gastineau)		102,196		1,706		98,800	4,777			207,479
	Amalga		451,778	622				1,151,413			1,603,813
	Limestone Inlet		106,597								106,597
	Boat Harbor		143,912								143,912
KNFC	Gunnuk Creek	14,237		500	150	2,100	56,218			630	73,835
	Southeast Cove	60,458		500		2,000		241,830			304,788
SJC	Sitka	2,094				42	196			5	2,337
MIC	Tamgas Creek		2,000				1,500				3,500
Southeast Totals		1,840,678	1,144,307	112,798	1,856	0	62,181	413,254	2,518,887	3,368	6,097,329
Prince William Sound											
PWSAC	Wally Noerenberg	794,794	1,636,007				211,833	2,554,826			5,197,460
	Pt. Chalmers	1,071,478									1,071,478
	Armin F. Koernig		54,464								54,464
Prince William Sound Totals		1,866,272	1,690,471	0	0	0	0	211,833	2,554,826	0	6,323,402
Kodiak											
KRAA	Kitot Bay	88,724					54,523		1,000		144,247
Kodiak Totals		88,724	0	0	0	0	0	54,523	0	1,000	144,247
Statewide Totals		3,795,674	2,834,778	112,798	1,856	0	62,181	679,610	5,073,713	4,368	12,564,978

14 (c). Estimated coho salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

Area/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Other	Brood	Cost Recovery		Total
		Seine	Gillnet	Troll	Sport				Harvest	Escapement	
Southeast											
SSRAA	Whitman Lake	4,367	2,340	6,751	753		7,467	2,078			23,756
	Earl West Cove	100	8,100	7,900	200						16,300
	Nakat	2,000	4,800	5,200	700						12,700
	Neets Bay	40,600	79,300	99,900	16,900		12,328		119,000		368,028
	Burnett Inlet	1,697	5,476	1,244	201		4,000	2,115	11,266		25,999
	Neck Lake	1,887	16,027	5,023	405		3,000		32,748		59,090
	Crystal Lake Hatchery	200	100	600	200		2,833	262			4,195
NSRAA	Medvejie		9	269	115		294	328			1,015
	Deer Lake	3,411		26,311	2,253		562		71,118		103,655
	Shamrock Cove	39		5,070	478					375	5,962
	Hidden Falls	40,780	1,180	71,706	3,470		17,655	3,232	285,888		423,911
	Patterson Bay	500		6,203	135		5,052		5,148		17,038
AKI	Port Armstrong	3,178	34	58,219	1,815		25,700	1,451	136,712		227,109
	Gunnuk Creek	12	56	176	8					252	504
DIPAC	Macaulay (was Gastineau)	3,854	3,592	13,917	16,444		2,932	846	66,100		107,685
	Sheep Creek										0
KTHC	Deer Mountain	1,743	763	512	1,282		2,355	312		0	6,967
SJC	Sitka			550			1	76			627
BCF	Burro Creek										0
POWHA	Klawock Hatchery	2,464	46	9,638	26,880	4,896	5,076	2,898	23,621	13,913	89,432
MIC	Tamgas Creek	7,938	49,000	15,230	1,500			2,000	53,030		128,698
NOAA	Auke Creek										0
Southeast Totals		114,770	170,823	334,419	73,739	4,896	89,255	15,598	804,631	14,540	1,622,671
Prince William Sound											
PWSAC	Wally Noerenberg	2,431	784		500		1,000	1,389			6,104
	Cordova/Whittier/Chenega				22,198						22,198
VFDA	Solomon Gulch	25,017			44,160		19,862	1,461	8,000		98,500
Prince William Sound Totals		27,448	784	0	66,858	0	20,862	2,850	8,000	0	126,802
Cook Inlet											
CIAA	Trail Lakes				1,753			864	2,352	875	5,844
ADF&G	Ft Richardardson										0
	Homer Spit				26,920	1,500		180			28,600
	Landlocked				31,471						31,471
	Campbell Creek		5,021		25,020	1,500	2,525	378			34,444
	Eklutna tailrace				2,429			94			2,523
Cook Inlet Totals		0	5,021	0	87,593	3,000	2,525	1,516	2,352	875	102,882
Kodiak											
KRAA	Kitoi Bay	209,259			160		8,000	4,428		1,000	222,847
	Pillar Creek- road system				1,000			54		10,595	11,649
Kodiak Totals		209,259	0	0	1,160	0	8,000	4,482	0	11,595	234,496
Statewide Totals		351,477	176,628	334,419	229,350	7,896	120,642	24,446	814,983	27,010	2,086,851

14 (d). Estimated chinook salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

Area/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Cost Recovery				Total
		Seine	Gillnet	Troll	Sport		Other	Brood	Harvest	Escapement	
Southeast											
SSRAA	Whitman Lake	120	440	4,490	2,890	125	8,863	1,120	4,589		22,637
	Earl West Cove	1,420	4,040	270	10						5,740
	Neets Bay	620	350	1,750	980		543		6,940		11,183
ADF&G	Crystal Lake Hatchery		79	734	1,971		930	2,076			5,790
NSRAA	Medvejie	1,195	2,091	14,159	1,878		4,812	1,700	16,336	375	42,546
	Hidden Falls	6,426	188	6,127	550		3,082	1,029	3,803		21,205
BCF	Burro Creek			4	10		46				60
DIPAC	Macaulay (was Gastineau)		365	1,014	4,598		2,732	573	1,068		10,350
KTHC	Deer Mountain Hatchery		6	85	16		323	61		207	698
SJC	Sitka			30	18			32			80
MIC	Tamgas Creek	173	1,000	1,706	1,973			250	5,500		10,602
NOAA	Little Port Walter	146	8	402	52		902	320			1,830
Southeast Totals		10,100	8,567	30,771	14,946	125	22,233	7,161	38,236	582	132,721
Prince William Sound											
PWSAC	Wally Noerenberg										
	Chenega/Cordova				80						80
Prince William Sound Totals		0	0	0	80	0	0	0	0	0	80
Cook Inlet											
ADF&G	Elmendorf										
	Seldovia		450		857	130					1,437
	Resurrection Bay				3,662						3,662
	Homer Spit		100		10,079	400		120		1,000	11,699
	Ship Creek				4,112			160		1,292	5,564
	Ft. Richardson										
	Ninilchik River				980		550	228			1,758
	Deception Creek				4,396		5,000	126			9,522
Cook Inlet Totals		0	550	0	24,086	530	5,550	634	0	2,292	33,642
Statewide Totals		10,100	9,117	30,771	39,112	655	27,783	7,795	38,236	2,874	166,443

14 (e). Estimated sockeye salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

Common Property Harvest											
Area/Operator/Location		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
Southeast											
SSRAA	Hugh Smith L		112					286			398
POWHA	Klawock Hatchery						272	551		13,255	14,078
DIPAC	Snettisham	3,166	76,782				408	4,801	35,878		121,035
	Sweetheart Lake	8	1,392			308					1,708
	Stikine River										
	Taku River										
NSRAA	Haines projects		2,848				5,528				8,376
MIC	Tangas Creek	2	2					78	1		83
Southeast Totals		3,174	81,136	0	0	308	6,208	5,638	35,878	13,255	145,678
Prince William Sound											
PWSAC	Main Bay		845,305		4,000			7,352	93,794		950,451
	Solf Lake		1,229			2,971					4,200
	Gulkana I and II		76,868		1,282	35,277		12,579		2,107	128,113
	Crosswind Lake		143,258		2,388	45,797	43,291	4,029			238,763
	Summit Lake		3,085		86	5,056				355	8,582
Prince William Sound Totals		0	1,069,745	0	7,756	89,101	43,291	23,960	93,794	2,462	1,330,709
Cook Inlet											
PGHC	Port Graham		14,497			9,799		1,200	20,245	18,950	64,691
CIAA	Tutka	100	300				150				550
	Trail Lakes – Bear Creek		13,447				42	4,063	2,723	8,441	28,716
	Hidden Lake		140,122		22,756	8,995	39	884	849	71,099	244,744
	Meadow Creek		45,917		4,000	4,000		4,155		85,172	143,244
	Leisure/Hazel Lakes		121,579		650	4,900	51		29,521		156,701
	Tustumena Lake		418,647		6,500	45,000		9,442		215,738	695,327
	Kirschner Lake								32,492		32,492
Cook Inlet Totals		100	754,509	0	33,906	72,694	282	19,744	85,830	399,400	1,366,465
Kodiak											
KRAA	Kitoi Bay	28,984			200						29,184
	Pillar Creek										
	Settler's Cove	715				2,400					3,115
	Little Kitoi Estuary	24,281			89	207					24,577
	Afognak Lake									19,520	19,520
	Malina Lake	3,757			300	1,345				32,214	37,616
	Perenosa/Paul's Lakes	5,905			400	423				31,911	38,639
	Spiridon Lake	211,100	280,500				1,800				493,400
	Ruth Lake	4,703									4,703
	Foul Bay	45,820								80	45,900
	Waterfall Bay	15,616				10	1,500				17,126
	Frazer Lake Fishpass		4,200							85,317	89,517
Kodiak Totals		340,881	284,700	0	989	4,385	3,300	0	0	169,042	803,297
Statewide Totals		344,155	2,190,090	0	42,651	166,488	53,081	49,342	215,502	584,159	3,645,549

14 (f). Estimated "other" enhanced fish returns to Alaska hatcheries in 2002.

Area/Operator/Location		Species	Commercial	Sport Catch	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
Southeast										
DMTH	Deer Mountain	steelhead							5	5
NOAA	Little Port Walter	steelhead					135			135
Southeast Totals			0	0	0	0	0	0	5	140
Cook Inlet										
ADF&G	Ft. Richardson/Statewide lakes	Arctic char		4,781			242			5,023
		Arctic grayling		3,428						3,428
		Lake trout		762						762
	Elmendorf	Rainbow trout		90,316			2,050			92,366
Cook Inlet Totals			0	99,287	0	0	2,292	0	0	101,579
Statewide Totals			0	99,287	0	0	2,292	0	5	101,719

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Cleaning incubators at Cannery Creek.



Feed lines at Solomon Gulch.

Table 15. Summary of salmon production in 2002 from Fish Resource Permits issued by the Alaska Department of Fish and Game.

Area/Permittee	Species	Maximum Number to be Released
Southeast		
Juneau Center for Fisheries & Ocean Sciences	CHINOOK	12,000
Juneau-Douglas High School	COHO	3,000
Petersburg High School	PINK	50,000
Skagway School	PINK, COHO, CHINOOK	30,000, 12,000 & 20,000
Thorne Bay Elementary	COHO	500
USDA Forest Service	COHO	90,000
Point Higgins Elementary (Ketchikan)	CHUM	100
Keet Gooshi Heen Elementary (Sitka)	CHUM	300
Hydaburg School	COHO	500
Yakutat Elementary School	COHO	500
Southcentral		
Abbott Loop Elementary (Anchorage)	COHO	500
Alpenglow Elementary (Eagle River)	COHO	500
Anchorage Montessori School	COHO	500
Aquarian Charter (Anchorage)	COHO	500
Atheneum School	COHO	500
Baxter Elementary School (Anchorage)	COHO	500
Bayshore Elementary (Anchorage)	COHO	500
Bear Valley Elementary (Anchorage)	COHO	500
Butte Elementary School (Palmer)	COHO	500
Clark Middle School (Anchorage)	COHO	500
Chugach Optional	COHO	500
Chapman School (Anchor Point)	COHO	500
Chugiak High School (Eagle River)	COHO	500
College Gate Elementary (Anchorage)	COHO	500
Colony Middle School (Palmer)	COHO	500
Creekside Elementary (Anchorage)	COHO	500
Denali Elementary (Anchorage)	COHO	500
Eagle River Elementary	COHO	500
Dimond High School	COHO	500
Fairview Elementary (Anchorage)	COHO	500
Fire Lake Elementary	COHO	500
Finger Lake Elementary (Palmer)	COHO	500
Girdwood School	COHO	500
Gladys Wood Elementary (Anchorage)	COHO	500
Goldenview Middle School (Anchorage)	COHO	500
Goose Bay Elementary (Palmer)	COHO	500
Homer High School	COHO	500
Homestead Elementary (Eagle River)	COHO	500
Huffman Elementary (Anchorage)	COHO	500
Glacier View Elementary	COHO	500
Inlet View Elementary (Anchorage)	COHO	500
Kalifornsky Beach Elementary (Soldotna)	COHO	500
Kasuun Elementary (Anchorage)	COHO	500
Hanshaw Middle School	COHO	500
Kenny Lake School (Copper Center)	COHO	500
King Career Center (Anchorage)	COHO	500
Klatt Elementary (Anchorage)	COHO	500
Lake Hood Elementary (Anchorage)	COHO	500
Meadow Lakes Elementary (Wasilla)	COHO	500
Midnight Sun Family Learning Center (Wasilla)	COHO	500
Mirror Lake Middle School (Chugiak)	COHO	500
Larson Elementary (Wasilla)	COHO	500
Mountain View Elementary (Anchorage)	COHO	500
Mt. Iliamna Elementary (Elmendorf AFB)	COHO	500
Mt. View Elementary (Kenai)	COHO	500
Muldoon Elementary	COHO	500
Nanwalek Elem/High School	COHO	500
Nikiski Elementary	COHO	500
Ninilchik School	COHO	500
Northern Lights ABC (Anchorage)	COHO	500
New Ideas Homeschool (Wasilla)	COHO	500
Nunaka Valley Elementary (Anchorage)	COHO	500
Ocean View Elementary (Anchorage)	COHO	500
O'Malley School (Anchorage)	COHO	500
Orion Elementary (Elmendorf AFB)	COHO	500
Palmer Junior Middle School	COHO	500
Pioneer Peak Elementary School (Palmer)	COHO	500
Polaris K-12 School (Anchorage)	COHO	500
Rabbit Creek Elementary (Anchorage)	COHO	500
Redoubt Elementary (Soldotna)	COHO	500
Russian Jack Elementary (Anchorage)	COHO	500
Rogers Park Elementary (Anchorage)	COHO	500

Table 15. Continued.

Area/Permittee	Species	Maximum Number to be Released
Southcentral		
SAVE High School (Anchorage)	COHO	500
Scenic Park Elementary (Anchorage)	COHO	500
Sears Elementary (Kenai)	COHO	500
Sherrod Elementary (Palmer)	COHO	500
Service High School	COHO	500
Sterling Elementary	COHO	500
Susitna Elementary (Anchorage)	COHO	500
Swanson Elementary (Palmer)	COHO	500
Taku Elementary (Anchorage)	COHO	500
Tannaina Elementary (Wasilla)	COHO	500
Teeland Middle School	COHO	500
Trailside Elementary School (Eagle River)	COHO	500
Tudor Elementary (Anchorage)	COHO	500
Turnagain Elementary (Anchorage)	COHO	500
Tustumena Elementary (Kasilof)	COHO	500
UAK Cooperative Extension Service (Palmer)	COHO	500
Village Charter School	COHO	500
Ursa Minor Elementary	COHO	500
Talkeetna Elementary	COHO	500
Williwaw Elementary	COHO	500
Wasilla Middle School	COHO	500
Whaley Elementary	COHO	500
Willow Crest Elementary (Anchorage)	COHO	500
Interior		
Anderson School	COHO	500
Arctic Light Elementary (Ft. Wainwright)	COHO	500
ADFG Region III Lobby	COHO	500
Delta Junction High School	COHO	500
Joy Elementary (Fairbanks)	COHO	500
Monroe Catholic Jr. High (Fairbanks)	COHO	500
North Pole Middle School	COHO	500
Chinook Charter School	COHO	500
Nordale Elementary (Fairbanks)	COHO	500
Pearl Creek Elementary (Fairbanks)	COHO	500
Ryan Middle School (Fairbanks)	COHO	500
Tok School	COHO	500
Tri-Valley School (Healy)	COHO	500
University Park Elementary (Fairbanks)	COHO	500
Weller Elementary (Fairbanks)	COHO	500
Whitestone Training Center (Delta Junction)	COHO	500
Woodriver Elementary (Fairbanks)	COHO	500
Western		
Chiniak School	COHO	500
East Elementary School (Kodiak)	COHO	500
Perryville School	COHO	800
Peterson Elementary School (Kodiak)	COHO	500
Kodiak High School	COHO	500
King Cove School	COHO	500
Main Elementary (Kodiak)	COHO	500
North Star Elementary (Kodiak)	COHO	500
Togiak School	COHO	500
Unalaska High School	COHO	9,000
Port Heiden School	COHO	500
Old Harbor School	COHO	500
Kokhanok School	COHO	500
Newhalen School	COHO	500
St. Mary's School	COHO	500
Arctic-Yukon-Kuskokwim		
Crow Village Sam School (Chuathbaluk)	COHO	500
Circle School	COHO	250
Hooper Bay School	COHO	500
Norton Sound Economic Development Corp.	CHUM	10,000
Johnny Oldman School (Hughes)	COHO	500
Kotzebue Jr./Sr. High School	COHO	500
Ketacik Aappalluk Memorial School (Kwethluk)	COHO	500
Jimmy Huntington School (Huslia)	COHO	500
Napaaqtuqmiut School (Noatak)	COHO	500
Rocky Mountain School (Goodnews Bay)	COHO	500
Noorvik Elementary	COHO	500
Quinhagak School	COHO	500
Zackar Levi Elementary School (Lower Kalstag)	COHO	500
Trapper School (Nuiqsut)	COHO	500

Table 16. Updated return information, by species, to 2001 Alaska enhancement program projects.

16 (a). Updated pink salmon returns to Alaska hatcheries in 2001, including common property harvests, as reported by operators.

Region/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Other	Cost Recovery			Total
		Seine	Gillnet	Troll	Sport			Brood	Harvest	Escapement	
Southeast											
AKI	Port Armstrong	1,090,049	0	0	0	0	0	123,450	1,176,138	70,000	2,459,637
DIPAC	Gastineau	24,620	0	0	1,453	0	0	104,720	0	0	130,793
SJC	Indian River	50,092	0	0	0	0	0	3,601	5,948	2,974	62,615
Southeast Totals		1,164,761	0	0	1,453	0	0	231,771	1,182,086	72,974	2,653,045
Prince William Sound											
PWSAC	Armin F. Koernig	1,474,865	59,240	0	0	0	0	368,706	2,907,534	0	4,810,345
	Wally Noerenberg	1,584,138	334,797	0	0	0	0	325,003	4,937,139	0	7,181,077
	Cannery Creek	567,445	26,620	0	0	0	0	428,859	1,098,381	0	2,121,305
VFDA	Solomon Gulch	11,458,958	0	0	125,000	0	189,261	321,530	4,017,730	14,066	16,126,545
Prince William Sound Totals		15,085,406	420,657	0	125,000	125,000	189,261	1,444,098	12,960,784	14,066	30,239,272
Cook Inlet											
PGHC	Port Graham	0	0	0	0	0	15,631	19,142	0	0	34,773
CIAA	Tutka	102,314	6,421	0	2,000	0	0	179,006	421,530	4,451	715,722
Cook Inlet Totals		102,314	6,421	0	2,000	2,000	15,631	198,148	421,530	4,451	750,495
Kodiak											
KRAA	Kitoi Bay	13,272,127	0	0	0	0	0	286,927	0	45,000	13,604,054
Kodiak Totals		13,272,127	0	0	0	0	0	286,927	0	45,000	13,604,054
Statewide Totals		29,624,608	427,078	0	128,453	127,000	204,892	2,160,944	14,564,400	136,491	47,246,866

16 (b). Updated chum salmon returns to Alaska hatcheries in 2001, including common property harvests, as reported by operators.

Region/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Cost Recovery				Total
		Seine	Gillnet	Troll	Sport		Other	Brood	Harvest	Escapement	
Southeast											
SSRAA	Whitman Lake										0
	Nakat Inlet – summer	44,400	85,800	0	0	0	0	0	0	0	130,200
	Earl West Cove – summer	37,137	88,587	0	0	0	0	0	0	0	125,724
	Kendrick Bay – summer	81,100	11,900	0	0	0	0	0	0	0	93,000
	Neets Bay – summer	238,000	91,000	166,700	0	154,000	64,877	671,275	0	0	1,385,852
	Neets Bay – fall	40,151	13,965	0	0	19,000	33,599	264,261	0	0	370,976
	Nakat-Inlet- fall	10,513	0	0	0	0	0	0	0	0	10,513
NSRAA	Medvejie Creek	388,975	267,158	188,700	0	5,160	33,219	135,856	1,300	0	1,020,368
	Hidden Falls	1,098,333	0	78,686	0	13,218	101,409	289,901	0	0	1,581,547
	Haines projects	0	4,429	0	0	0	463	0	3,062	0	7,954
DIPAC	Sheep Creek	0	29,701	0	0	0	25,600	0	0	0	55,301
	Gastineau	0	86,452	0	1,176	0	85,619	0	0	0	173,247
	Amalga	0	219,987	1,285	0	0	0	540,124	0	0	761,396
	Limestone Inlet	0	97,054	0	0	0	0	0	0	0	97,054
	Boat Harbor	0	84,005	0	0	0	0	0	0	0	84,005
KNFC	Gunnuk Creek	9,396	0	500	150	7,965	51,448	22,904	2,066	0	94,429
	Southeast Cove	0	25,456	500	0	2,000	0	226,615	0	0	254,571
SJC	Indian River	2,775	0	0	0	0	1,165	176	524	0	4,640
MIC	Tamgas Creek	0	1,000	0	0	0	547	0	0	0	1,547
Southeast Totals		1,950,780	1,106,494	436,371	1,326	0	201,343	397,946	2,151,112	6,952	6,252,324
Prince William Sound											
PWSAC	Wally Noerenberg	3,797	886,145	0	0	0	171,046	949,290	0	0	2,010,278
	Pt. Chalmers	440,690	0	0	0	0	0	0	0	0	440,690
	Armin F. Koernig	216,206	0	0	0	0	0	3,593	0	0	219,799
Prince William Sound Totals		660,693	886,145	0	0	0	171,046	952,883	0	0	2,670,767
Kodiak											
KRAA	Kitoy Bay	216,625	0	0	0	0	24,183	0	3,500	0	244,308
Kodiak Totals		216,625	0	0	0	0	24,183	0	3,500	0	244,308
Statewide Totals		2,828,098	1,992,639	436,371	1,326	0	201,343	593,175	3,103,995	10,452	9,167,399

16 (c). Updated coho salmon returns to Alaska hatcheries in 2001, including common property harvests, as reported by operators.

Region/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Cost Recovery				Total
		Seine	Gillnet	Troll	Sport		Other	Brood	Harvest	Escapement	
Southeast											
SSRAA	Whitman Lake	2,078	4,598	8,592	1,189	0	2,721	2,779	0	0	21,957
	Earl West Cove	348	4,664	7,358	367	0	0	0	0	0	12,737
	Nakat	1,529	4,488	6,662	848	0	0	0	0	0	13,527
	Neets Bay	17,700	44,336	99,015	12,604	0	19,459	0	67,385	0	260,499
	Burnett Inlet (SSRAA)	2,600	6,400	2,321	300	0	4,000	3,028	4,700	0	23,349
	Neck Lake	8,487	14,883	8,150	0	0	0	0	46,692	0	78,212
	Crystal Lake Hatchery	235	130	1,716	0	0	2,235	203	0	0	4,519
NSRAA	Medvejie Creek	0	0	331	90	0	0	285	0	0	706
	Deer Lake	3,542	0	32,480	2,872	0	2,740	0	47,245	0	88,879
	Shamrock Bay	40	0	2,699	499	0	113	13	0	0	3,364
	Hidden Falls	15,258	657	70,680	5,594	0	24,022	1,726	87,675	0	205,612
AKI	Port Armstrong	6,720	110	77,653	3,438	0	23,601	2,695	91,092	2,000	207,309
DIPAC	Gastineau	1,071	2,511	22,973	6,495	0	2,758	1,186	46,447	0	83,441
	Sheep Creek	120	320	1,923	0	0	0	0	0	0	2,363
KNFC	Gunnuk Creek	0	6	36	0	0	0	5	0	37	84
KTHC	Deer Mountain	2,152	1,216	774	905	0	567	342	0	500	6,456
SJC	Indian River	0	0	0	7	0	0	7	0	1	15
POWHA	Klawock Hatchery	5,194	27	13,672	3,783	0	952	2,211	14,187	4,858	44,884
MIC	Tamgas Creek	5,938	32,378	20,288	1,780	0	0	1,641	30,000	0	92,025
Southeast Totals		73,012	116,724	377,323	40,771	0	83,168	16,121	435,423	7,396	1,149,938
Prince William Sound											
PWSAC	Wally Noerenberg	323	2,165	0	500	0	1,000	2,277	0	0	6,265
	Cordova/Whittier/Chenega	0	0	0	6,300	0	0	0	0	0	6,300
VFDA	Solomon Gulch	147,000	0	0	135,000	3,854	0	1,578	25,595	200	313,227
Prince William Sound Totals		147,323	2,165	0	141,800	3,854	1,000	3,855	25,595	200	325,792
Cook Inlet											
CIAA	Trail Lakes	0	0	0	1,000	0	120	644	1,754	495	4,013
ADF&G	Elmendorf	0	5,379	0	35,681	0	0	466	0	4,452	45,978
	Ft Richardardson	0	0	0	59,529	0	0	0	0	0	59,529
	Landlocked	0	0	0	35,132	1,579	0	155	0	0	36,866
	Bear Lake (Seward)	0	0	0	3,457	0	0	78	0	0	3,535
	Eklutna	0	0	0	3,457	0	0	78	0	0	3,535
Cook Inlet Totals		0	5,379	0	134,799	1,579	120	1,343	1,754	4,947	149,921
Kodiak											
KRAA	Kitoi Bay	151,732	0	0	160	0	8,000	2,575	0	500	162,967
	Pillar Creek- road system	0	0	0	1,000	0	0	60	0	9,574	10,634
Kodiak Totals		151,732	0	0	1,160	0	8,000	2,635	0	10,074	173,601
Statewide Totals		372,067	124,268	377,323	318,530	5,433	92,288	23,954	462,772	22,617	1,799,252

16 (d). Updated chinook salmon returns to Alaska hatcheries in 2001, including common property harvests, as reported by operators.

Common Property Harvest											
Region/Operator/Location		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Cost Recovery				Total
							Other	Brood	Harvest	Escapement	
Southeast											
SSRAA	Whitman Lake	0	608	3,839	3,163	0	6,069	804	5,559	0	20,042
	Earl West Cove Coop	4,271	6,082	735	336	0	0	0	0	0	11,424
	Neets Bay	0	129	296	117	0	0	0	1,270	0	1,812
	Neets Bay/Crystal Lake Coop	0	142	1,575	1,048	0	0	0	8,398	0	11,163
ADF&G	Crystal Lake Hatchery	274	0	1,052	5,261	0	1,365	1,921	0	0	9,873
NSRAA	Medvejie Creek	0	0	7,086	2,296	0	2,791	1,608	19,664	0	33,445
	Hidden Falls	7,472	309	6,662	502	0	1,967	1,211	14,077	0	32,200
BCF	Burro Creek	0	17	14	100	0	32	0	91	0	254
DIPAC	Gastineau	294	1,008	1,070	2,771	0	1,185	1,422	0	0	7,750
KTHC	Deer Mountain Hatchery	0	0	308	427	0	93	70	0	600	1,498
SJC	Indian River	0	0	30	9	0	2	18	0	0	59
MIC	Tamgas Creek	173	3,550	655	727	0	0	216	15,965	0	21,286
Federal	Little Port Walter	128	2	707	81	0	275	1,247	0	0	2,440
Southeast Totals		12,612	11,847	24,029	16,838	0	13,779	8,517	65,024	600	153,246
Prince William Sound											
PWSAC	Wally Noerenberg										0
	Chenega/Cordova	0	0	0	860	0	0	0	0	0	860
Prince William Sound Totals		0	0	0	860	0	0	0	0	0	860
Cook Inlet											
ADF&G	Elmendorf										0
	Ship Creek	0	0	0	4,286	0	0	257	0	500	5,043
	Crooked Creek	0	586	0	11,704	550	0	134	0	1,381	14,355
	Deception Cr	0	0	0	2,281	0	0	0	0	0	2,281
	Ft. Richardson										0
	Deception Creek	0	0	0	5,599	0	5,163	230	0	0	10,992
	Ninilchik River	0	0	0	699	0	542	217	0	0	1,458
Cook Inlet Totals		0	586	0	24,569	550	5,705	838	0	1,881	34,129
Statewide Totals		12,612	12,433	24,029	42,267	550	19,484	9,355	65,024	2,481	188,235

16 (e). Updated sockeye salmon returns to Alaska hatcheries in 2001, including common property harvests, as reported by operators.

Common Property Harvest											
Region/Operator/Location		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
Southeast											
SSRAA	Burnett Inlet	5,406	5,857	0	0	0	0	292	0	3,533	15,088
SSRAA/ADF&G	McDonald Lake	89,380	17,983	0	200	7,907	0	294	0	42,768	158,532
NSRAA	Haines Projects	0	3,532	0	0	0	5,299	0	0	0	8,831
POWHA	Klawock Hatchery	0	0	65	0	0	829	387	0	6,914	8,195
DIPAC	Snettisham – Gilbert Bay	43,921	90,137	458	0	0	32,441	4,695	129,342	0	300,994
	Sweetheart Lake	296	799	0	1,214	0	0	0	0	0	2,309
	Stikine River	0	12,753	0	0	0	7,046	0	0	0	19,799
	Taku River	984	9,044	22	0	0	1,770	0	0	0	11,820
Southeast Totals		139,987	140,105	545	1,414	7,907	47,385	5,668	129,342	53,215	525,568
Prince William Sound											
PWSAC	Main Bay-Eyak	55	40,944	0	500	0	0	0	0	0	41,499
	Coghill	94,797	635,088	0	3,000	0	0	10,508	50,458	0	793,851
	Solf Lake	0	0	0	0	400	0	0	0	0	400
	Gulkana I and II	0	28,000	0	467	4,197	0	11,925	0	2,075	46,664
	Crosswind Lake	121,148	0	0	2,019	18,172	56,405	4,169	0	0	201,913
	Summit Lake	0	2,092	0	0	349	0	0	0	1,046	3,487
Prince William Sound Totals		216,000	706,124	0	5,986	23,118	56,405	26,602	50,458	3,121	1,087,814
Cook Inlet											
PGHC	Port Graham	0	0	0	0	3,500	0	0	0	10,146	13,646
CIAA	Tutka	250	250	0	0	0	30	0	5	150	685
	Trail Lakes										
	Bear Lake	2,629	0	0	1,500	0	505	4,195	398	8,606	17,833
	Hidden Lake	0	76,217	0	14,978	9,986	0	1,034	688	41,428	144,331
	Tustumena Lake	0	435,817	0	57,623	0	0	8,161	0	289,964	791,565
	Meadow Creek	0	31,119	0	0	4,320	0	4,383	0	38,786	78,608
	Grouse/Salmon Creek	0	0	0	200	0	200	0	10,876	0	11,276
	Kirschner Lake	10,156	0	0	0	0	0	0	28,782	0	38,938
	Leisure/Hazel Lakes	99,871	0	0	650	4,900	57	0	27,037	0	132,515
Cook Inlet Totals		112,906	543,403	0	74,951	22,706	792	17,773	67,786	389,080	1,229,397
Kodiak											
KRAA	Kitoy Bay	49,290	0	0	250	0	0	0	0	0	49,540
	Pillar Creek- L Kitoy Lake	24,000	0	0	30	0	0	0	0	0	24,030
	Ruth Lake	3,000	0	0	0	0	0	0	0	0	3,000
	Afognak	0	0	0	0	0	0	290	0	24,271	24,561
	Hidden L/Foul Bay	30,000	0	0	0	0	0	0	0	0	30,000
	Malina L	4,000	0	0	0	0	0	0	0	22,500	26,500
	Paul's Lake	400	0	0	0	0	0	23,000	0	0	23,400
	Settler's Cove	3,722	0	0	0	1,200	0	0	0	0	4,922
	Spiridon Lake	88,000	59,000	0	0	0	2,000	0	0	0	149,000
	L Waterfall L	16,000	0	0	0	0	0	0	0	0	16,000
	Frazer Lake Fishpass	41,575	92,540	0	0	0	0	0	0	0	134,115
Kodiak Totals		259,987	151,540	0	280	1,200	2,000	23,290	0	46,771	485,068
Statewide Totals		728,880	1,541,172	545	82,631	54,931	106,582	73,333	247,586	492,187	3,327,847

16 (f). Updated "other" enhanced fish returns to Alaska hatcheries in 2001.

Region/Operator/Location	Species	Commercial	Sport Catch	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
Southeast									
DMTH Deer Mountain	steelhead					10		14	24
Southeast Totals		0	0	0	0	10	0	14	24
Cook Inlet									
ADF&G Ft. Richardson/Statewide lakes	Arctic char		4,027			58			4,085
	Arctic grayling		2,533			99			2,632
	Lake trout		492						492
	rainbow trout		58,053			2,783			60,836
Cook Inlet Totals		0	65,105	0	0	2,940	0	0	68,045
Statewide Totals		0	65,105	0	0	2,950	0	14	68,069



Moving fry at Gulkana Hatchery.



Assembling incubators at AFK Hatchery.

Table 17. Actively operated Alaska hatcheries.

Initials	Address	City, State, Zip	Office phone	Fax phone	Hatchery	Hatchery Manager	Director	Email
Southeast								
R	SSRAA 14 Borch Street	Ketchikan, AK 99901	(907) 225-9605	(907) 225-1348	Whitman Lake Neets Bay	Jay Creasy Bill Gass	John Burke John Burke	ssraa@ssraa.org neetsbay@starband.net
R	NSRAA 1308 Sawmill Creek Rd	Sitka, AK 99835	(907)772-4772 (907) 747-6850	(907) 747-1470	Burnett Inlet Crystal Lake* Medvejie Creek	Jim Murphy Loren Thompson Jim Seeland	John Burke John Burke Pete Esquiro	crystal.lake@starband.net nsraa@nsraa.org
P	DIPAC 2697 Channel Drive	Juneau, AK 99801	(907)463-5114	(907) 463-3213	Hidden Falls* Haines Projects Sheep Creek	Jack Christiansen Todd Buxton Sam Rabung	Pete Esquiro Pete Esquiro Jon Carter	todd_buxton@nsraa.org Jon_Carter@dipac.net Rick_Focht@dipac.net
P	POWHA PO Box 554	Craig, AK 99921	(907)755-2231	(907) 755-2440	Macaulay Snettisham* Prince of Wales*	Steve Reid John Brun	Jon Carter John Brun	Eric_Prestegard@dipac.net powha@apt.net
P	SJC 801 Lincoln St	Sitka, AK 99835	(907)747-5209		Sheldon Jackson	Alan Unmack	Mel Seifert	
P	KNFC PO Box 523	Take, AK 99830	(907)785-6460	(907) 785-6460	Gunnuk Creek	Brock Meredith	Steve Andison	fogwoman@seaknet.ne.alaska.edu
P	BCF P.O. Box 455	Skagway, AK 99840	(907)983-2355		Burro Creek	Eugene Richards	Gene Richards	burrocr@aptalaska.net
P	AKI P.O. Box 21990	Juneau, AK 99802	(907)586-3443	(907)586-2236	Port Armstrong	Elisa Russ	Tim Blust	aki@ak.net
P	KTHC 2960 Tongass Ave	Ketchikan, AK 99901	(907) 225-6760	(907)225-7601	Deer Mountain	Jerry Guthrie	Jerry Guthrie	jguthrie@kictribe.com
F	NMFS P.O. Box 21990	Juneau, AK 99802	(907)586-3443	(907)586-2236	Little Port Walter	Frank Thrower		frank.thrower@noaa.gov
F	MIC PO Box 8	Metlakatla, AK 99929	(907)886-3150	(907)886-3152	Tamgas Creek	Steve Leask	Steve Leask	tchcoho@ktn.net
Prince William Sound								
R	PWSAC PO Box 1110	Cordova, AK 99574	(907) 424-7511	(907) 424-7514	AF Koernig W Noerenberg Main Bay*	Geoff Clark Mark Somerville Rob Unger	Dave Reggiani Dave Reggiani Dave Reggiani	pwsac@ptialaska.net
P	VFDA PO Box 125	Valdez, AK 99686	(907) 835-4874	(907) 835-5951	Gulkana* Cannery Creek* Solomon Gulch	Gary Martinek Paul Santavy Ken Morgan	Dave Reggiani Dave Reggiani Jason Wells	vfa@cvinet.net
Cook Inlet								
R	CIAA 40610 Kalifornsky Beach Rd	Kenai, AK 99611	(907) 283-5761	(907) 283-9433	Trail Lakes* Tutka*	Robert Blankenship Aaron VanArnum	Gary Fandrei Gary Fandrei	rblankenship_tlh@ciaanet.org info@ciaanet.org
P	PGH PO Box 5543	Port Graham, AK 99603	(907)284-2233	(907)284-2238	Port Graham	Paul McCollum	Paul McCollum	paul.mccollum@acsalaska.net
S	ADFG 941 N. Reeve Blvd. PO Box 5267	Anchorage, AK 99501 Anchorage, AK 99505	(907)274-0065 (907) 428-1348		Elmendorf Ft Richardson	Darrell Keifer Andrea Tesch	Larry Peltz Larry Peltz	darrell_keifer@fishgame.state.ak.us andrea_tesch@fishgame.state.ak.us
Kodiak								
R	KRAA PO Box 3407	Kodiak, AK 99615	(907) 486-6555	(907) 486-4105	Pillar Creek* Kitoi Bay*	Chris Clevenger Andrew Aro	Larry Malloy Larry Malloy	kraa07@ptialaska.net kitoi@ptialaska.net
<p>Codes: R= Regional Aquaculture Association Private NonProfit (PNP) hatcheries, P= Nonassociation PNP hatchery, F= Federal/BIA hatchery, S=State hatchery *= state owned hatchery contracted to private operator</p>								

Table 17. Continued.

Initials	Corporate name	Hatchery	Permit #	PNP permit issued	Species reared	Web Site
Southeast						
SSRAA	Southern Southeast Regional Aquaculture Association	Whitman Lake	8	3/9/78	chum, coho, chinook	home.att.net/~ssraa/
		Neets Bay	19	6/17/83	chum, coho, chinook	
		Burnett Inlet	40	9/30/97	sockeye, coho	
		Crystal Lake*			chinook, coho	
NSRAA	Northern Southeast Regional Aquaculture Association	Medvejie Creek	16	8/17/81	chum, coho, chinook, pink	www.nsraa.org
		Hidden Falls*	28	6/22/88	chum, chinook, coho	
		Haines Projects	34	4/29/92	chum, sockeye	
DIPAC	Douglas Island Pink and Chum, Inc	Sheep Creek	11	9/19/79	chum, pink, coho	www.dipac.net
		Gastineau	25	6/3/87	chum, pink, coho, chinook	
		Snettisham*	39	7/15/96	sockeye	
POWHA	Prince of Wales Hatchery Association	Klawock River*	38	2/19/96	coho, sockeye, chinook, steelhead	
SJC	Sheldon Jackson College	Sheldon Jackson	3	4/29/75	pink, chum, coho, chinook, steelhead	
KNFC	Kake Nonprofit Fisheries Corporation	Gunnuk Creek	7	4/1/77	pink, chum, coho	
BCF	Burro Creek Farms	Burro Creek	12	5/23/80	pink, chum, coho, chinook	
AKI	Armstrong-Keta, Inc.	Port Armstrong	13	2/23/81	pink, chum, chinook, coho	
KTHC	Ketchikan Tribal Hatchery Corporation	Deer Mountain	37	6/22/94	chinook, coho, steelhead, rainbow	
		Little Port Walter			chinook, pink, steelhead	
MIC	Tamgas Creek Hatchery	Tamgas Creek			chum, coho, chinook, sockeye	
Prince William Sound						
PWSAC	Prince William Sound Aquaculture Association	AF Koernig	2	9/29/75	pink	www.ctcak.net/~pwsac/
		W Noerenberg	20	6/17/83	pink, chum, chinook, coho	
		Main Bay*			sockeye	
		Gulkana*			sockeye	
VFDA	Valdez Fisheries Development Association	Cannery Creek*	26	6/22/88	pink	
		Solomon Gulch	15	6/26/81	pink, coho, chinook	
Cook Inlet						
CIAA	Cook Inlet Aquaculture Association	Trail Lakes*	27	6/22/88	sockeye, coho, chinook	www.ciaanet.org
		Tutka*	32	1/3/94	pink, sockeye	
PGH	Port Graham Hatchery Corporation	Port Graham	33	8/3/92	pink, sockeye, coho	
ADFG	Alaska Department of Fish and Game	Elmendorf			chinook, coho	www.state.ak.us/adfg/adfghome.htm
		Ft Richardson			chinook, coho, char, grayling, lake & rainbow trout	
Kodiak						
KRAA	Kodiak Regional Aquaculture Association	Pillar Creek*	41	5/1/98	sockeye, coho, chinook	www.ptialaska.net/~kraa07/index.html
		Kitoi Bay*	29	7/5/88	pink, chum, coho, sockeye	
Codes: *= state owned hatchery contracted to private operator						

Table 18. Permitted capacity of Alaskan private nonprofit hatcheries in 2002, in millions of eggs.

Region/Operator/Location		Combined						Other	Total
		Pink	Chum	Pink & Chum	Coho	Chinook	Sockeye		
Southeast									
SSRAA	Whitman Lake		43.80		3.40	1.50		48.70	
	Neets Bay		72.00		5.00	4.00		81.00	
	Burnett Inlet				2.50		2.70	5.20	
	Crystal Lake ^a							0.00	
AAC	Bell Island				0.02	0.07	0.01	0.09	
NSRAA	Hidden Falls		91.00		7.10	1.65		99.75	
	Medvejie Creek	0.30	52.00		3.30	3.20		58.80	
	Haines projects		2.30				2.00	4.30	
AKI	Port Armstrong	85.00	30.00		2.00	2.00		119.00	
BCF	Burro Creek			3.00	0.10	0.10		3.20	
DIPAC	Macaulay	50.00	121.00		1.50	0.95		173.45	
	Sheep Creek	10.00			0.15			10.15	
	Snettisham						33.50	33.50	
KTHC	Deer Mountain				0.38	0.13	0.05	0.56	
KNFC	Gunnuk Creek			65.00	0.25			65.25	
POWHA	Klawock				5.00	0.25	5.00	10.30	
SJC	Sheldon Jackson			20.00	0.15	0.10	0.02	20.27	
Southeast Totals^b		145.30	412.10	88.00	30.85	13.95	43.20	0.13	733.52
Prince William Sound									
PWSAC	Armin F. Koernig	160.00						160.00	
	Wally Noerenberg	150.00	111.00		4.00	4.00		269.00	
	Cannery Creek	152.00						152.00	
	Main Bay						10.20	10.20	
	Gulkana						36.75	36.75	
VFDA	Solomon Gulch	230.00			2.00	0.30		232.30	
Prince William Sound Totals^b		692.00	111.00	0.00	6.00	4.30	46.95	0.00	860.25
Cook Inlet									
PGHC	Port Graham	110.00			0.04		1.35	111.39	
CIAA	Trail Lakes				6.00	4.00	30.00	40.00	
	Eklutna				0.16		18.00	18.16	
	Tutka Bay	125.00					0.66	125.66	
Cook Inlet Totals^b		235.00	0.00	0.00	6.20	4.00	50.01	0.00	277.05
Kodiak									
KRAA	Kitoi Bay	215.00	25.00		2.30		0.30	242.60	
	Pillar Creek				0.50	0.30	20.00	20.80	
Kodiak Totals^b		215.00	25.00	0.00	2.80	0.30	20.30	0.00	263.40
Statewide Totals^b		1,287.30	548.10	88.00	45.85	22.55	160.46	0.13	2,134.22

^a Crystal Lake Hatchery is a state-owned facility under partial contract to SSRAA; it does not have a PNP permit.

^b Some figures may not total exactly due to rounding.

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