

Alaska Salmon Enhancement Program 2007 Annual Report

by

Bruce White

February 2008

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



Symbols and Abbreviations

The following symbols and abbreviations, and others approved for the Système International d'Unités (SI), are used without definition in the following reports by the Divisions of Sport Fish and of Commercial Fisheries: Fishery Manuscripts, Fishery Data Series Reports, Fishery Management Reports, and Special Publications. All others, including deviations from definitions listed below, are noted in the text at first mention, as well as in the titles or footnotes of tables, and in figure or figure captions.

Weights and measures (metric)		General		Measures (fisheries)	
centimeter	cm	Alaska Administrative		fork length	FL
deciliter	dL	Code	AAC	mid-eye-to-fork	MEF
gram	g	all commonly accepted		mid-eye-to-tail-fork	METF
hectare	ha	abbreviations	e.g., Mr., Mrs., AM, PM, etc.	standard length	SL
kilogram	kg			total length	TL
kilometer	km	all commonly accepted			
liter	L	professional titles	e.g., Dr., Ph.D., R.N., etc.	Mathematics, statistics	
meter	m			<i>all standard mathematical</i>	
milliliter	mL	at	@	<i>signs, symbols and</i>	
millimeter	mm	compass directions:		<i>abbreviations</i>	
		east	E	alternate hypothesis	H _A
		north	N	base of natural logarithm	<i>e</i>
		south	S	catch per unit effort	CPUE
		west	W	coefficient of variation	CV
		copyright	©	common test statistics	(F, t, χ^2 , etc.)
		corporate suffixes:		confidence interval	CI
		Company	Co.	correlation coefficient	
		Corporation	Corp.	(multiple)	R
		Incorporated	Inc.	correlation coefficient	
		Limited	Ltd.	(simple)	r
		District of Columbia	D.C.	covariance	cov
		et alii (and others)	et al.	degree (angular)	°
		et cetera (and so forth)	etc.	degrees of freedom	df
		exempli gratia		expected value	<i>E</i>
		(for example)	e.g.	greater than	>
		Federal Information		greater than or equal to	≥
		Code	FIC	harvest per unit effort	HPUE
		id est (that is)	i.e.	less than	<
		latitude or longitude	lat. or long.	less than or equal to	≤
		monetary symbols		logarithm (natural)	ln
		(U.S.)	\$, ¢	logarithm (base 10)	log
		months (tables and		logarithm (specify base)	log ₂ etc.
		figures): first three		minute (angular)	'
		letters	Jan,...,Dec	not significant	NS
		registered trademark	®	null hypothesis	H ₀
		trademark	™	percent	%
		United States		probability	P
		(adjective)	U.S.	probability of a type I error	
		United States of		(rejection of the null	
		America (noun)	USA	hypothesis when true)	α
		U.S.C.	United States	probability of a type II error	
			Code	(acceptance of the null	
		U.S. state	use two-letter	hypothesis when false)	β
			abbreviations	second (angular)	"
			(e.g., AK, WA)	standard deviation	SD
				standard error	SE
				variance	
				population	Var
				sample	var
Weights and measures (English)					
cubic feet per second	ft ³ /s				
foot	ft				
gallon	gal				
inch	in				
mile	mi				
nautical mile	nmi				
ounce	oz				
pound	lb				
quart	qt				
yard	yd				
Time and temperature					
day	d				
degrees Celsius	°C				
degrees Fahrenheit	°F				
degrees kelvin	K				
hour	h				
minute	min				
second	s				
Physics and chemistry					
all atomic symbols					
alternating current	AC				
ampere	A				
calorie	cal				
direct current	DC				
hertz	Hz				
horsepower	hp				
hydrogen ion activity	pH				
(negative log of)					
parts per million	ppm				
parts per thousand	ppt, ‰				
volts	V				
watts	W				

FISHERY MANAGEMENT REPORT NO. 08-03

**ALASKA SALMON ENHANCEMENT PROGRAM
2007 ANNUAL REPORT**

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Alaska Department of Fish and Game, Commercial Fisheries, Juneau

February 2008

Alaska Department of Fish and Game
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ABSTRACT

The Alaska Department of Fish and Game oversees and regulates all state and private sector salmon enhancement and rehabilitation 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 eggs or fish, or release any fish into Alaska waters. Pathology, genetic, coded wire tag, and otolith processing laboratories are maintained to provide both diagnostic information to Alaska Department of Fish and Game fishery managers, and inseason and technical expertise to the private sector. An estimated 80 million salmon of hatchery origin returned in 2007. Hatchery operators collected over 1.7 billion salmon eggs and released over 1.5 billion juvenile fish. Of the 193 million salmon harvested in the common property commercial fishery, approximately 58 million or 30% were produced from ocean ranching by the Alaska salmon enhancement program. Enhanced salmon provided over \$64 million or 19% of the preliminary exvessel value of the commercial common property harvest. The ocean ranching program employs hundreds of Alaskans in seasonal and fulltime jobs. It is considered the largest agricultural industry in Alaska.

Key words: Alaska salmon enhancement program, salmon hatchery, annual report, ocean ranching, private non-profit corporation, Southeast Alaska, Prince William Sound, Cook Inlet, Kodiak, egg take, cost recovery, Chinook, pink, chum, coho, sockeye

INTRODUCTION

Prince William Sound and Southeast Alaska are the predominant regions with salmon enhancement programs and pink and chum salmon are the predominant species produced. Production levels, in terms of egg takes and releases, have largely stabilized (Figure 1); programs have matured and are generally operating at planned capacities.

The salmon enhancement program is composed of the following:

- 21 private nonprofit corporation (PNP) owned and operated hatcheries.
- 11 state owned and PNP operated hatcheries.
- 2 state owned and operated hatcheries.
- 2 Federal or Bureau of Indian Affairs (BIA) hatcheries.
- Streamside incubation and restoration projects.

The Alaska Department of Fish and Game (ADF&G) Division of Sport Fish operates two state hatcheries, primarily to produce salmonid species intended for sport fisheries. The PNP corporations produce salmon mainly for commercial harvest. PNP's 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 (sport, personal use, subsistence). Federal hatcheries are generally used for scientific research. Streamside incubation projects enhance stocks of fish inexpensively. Stream restoration projects involve restoring streams degraded by human activity.

HIGHLIGHTS IN 2007

- The preliminary statewide commercial salmon harvest was 213 million fish, with an exvessel value of over \$374 million. The Alaska salmon enhancement program produced 80 million salmon, and approximately 58 million were harvested in the common property commercial fishery (Figure 2). The preliminary exvessel value of enhanced salmon was over \$64 million. Compared to 2006, the preliminary exvessel price paid for pink, chum, and

sockeye salmon remained about the same. The price for coho salmon increased, while the price paid for Chinook salmon was lower.

- The preliminary exvessel value of the statewide common property commercial salmon harvest increased 8% from 2006 and was due in large part to the increased number of pink salmon in the harvest.
- Enhanced salmon accounted for approximately 19% of the total exvessel value of the statewide common property commercial harvest. Enhanced salmon accounted for 66%, 35%, 22%, 12%, and 6% of the exvessel value of the chum, pink, coho, Chinook, and sockeye salmon, respectively.
- Statewide, the enhanced pink salmon return of 64 million was the second highest on record. Of the 5 species of salmon produced in the enhancement program, returns were dominated by pink and chum salmon (Figure 3). The enhancement program produced 55% of the chum, 37% of the pink, 20% of the coho, 11% of the Chinook, and 4% of the sockeye salmon in the common property commercial harvest. The following is an enhancement summary by region:

Prince William Sound: Enhanced fish were 79% of the salmon in the common property commercial harvest. Enhanced chum, pink, coho, and sockeye salmon accounted for approximately 99%, 81%, 44%, and 31% of the common property commercial harvest, respectively. In addition, enhanced salmon contributed over \$37 million, or 56% of the value of the common property commercial harvest.

Kodiak: Enhanced fish were 26% of the salmon in the common property commercial harvest. Enhanced coho, chum, pink, and sockeye salmon accounted for approximately 34%, 29%, 27% and 10%, of the common property commercial salmon harvest, respectively. Further, enhanced salmon contributed approximately \$5.7 million, or 21% of the value of salmon in the common property commercial harvest.

Cook Inlet: Enhanced fish were 12% of the salmon harvested in the common property commercial fisheries. Approximately 15% of the sockeye salmon harvested in the common property commercial fishery were of hatchery origin. Further, enhanced salmon contributed approximately \$3.3 million or 14% of the value of salmon in the common property commercial harvest.

Southeast: Enhanced fish were 10% of the salmon in the common property commercial harvest. Enhanced chum, coho, Chinook, and sockeye salmon accounted for approximately 73%, 22%, 18%, and 3% of the common property commercial harvest respectively. Further, enhanced salmon contributed nearly \$19 million or 22% of the value of salmon in the common property commercial harvest.

- Statewide, sport anglers harvested an estimated 345,564 hatchery-produced fish representing 8 species (Chinook, coho, pink, chum, and sockeye salmon; rainbow trout, arctic char and arctic grayling).
- A new hatchery was permitted for the Northern Southeast Regional Aquaculture Association. The Sawmill Creek hatchery (located in Sitka) will produce summer run coho salmon.
- In 2008, over 54 million fish are projected to return from Alaska hatchery releases.

FIGURES AND TABLES

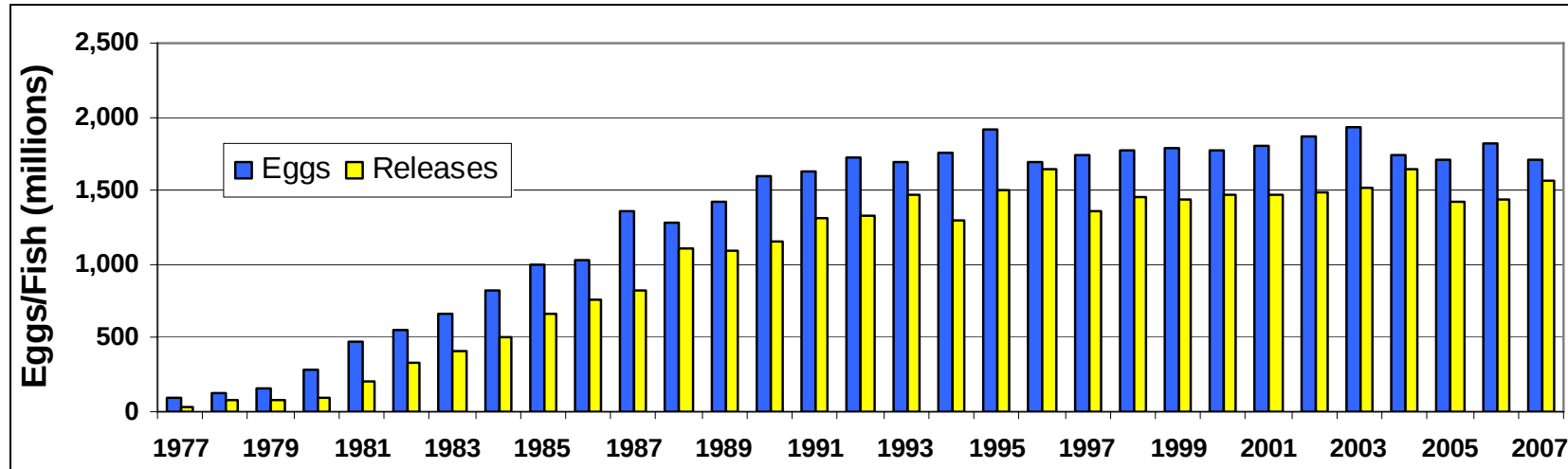


Figure 1.—Total egg-takes and releases in the Alaska salmon hatchery program, 1977 to 2007.

4

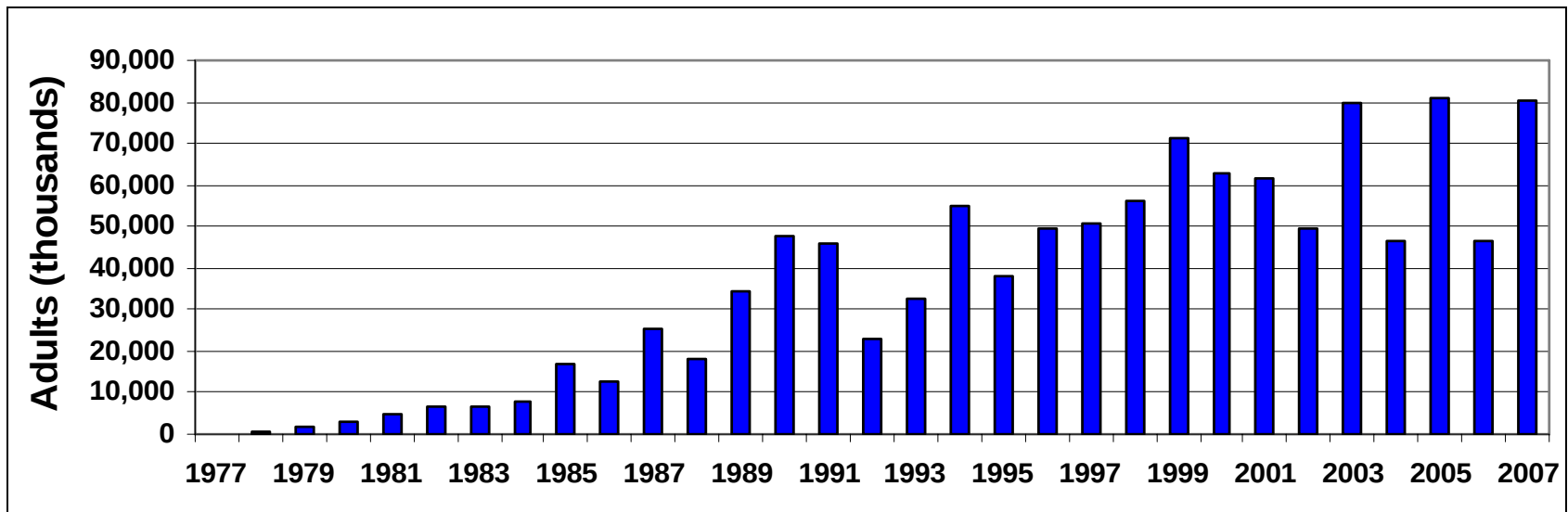


Figure 2.—Total returns in the Alaska salmon hatchery program, 1977 to 2007.

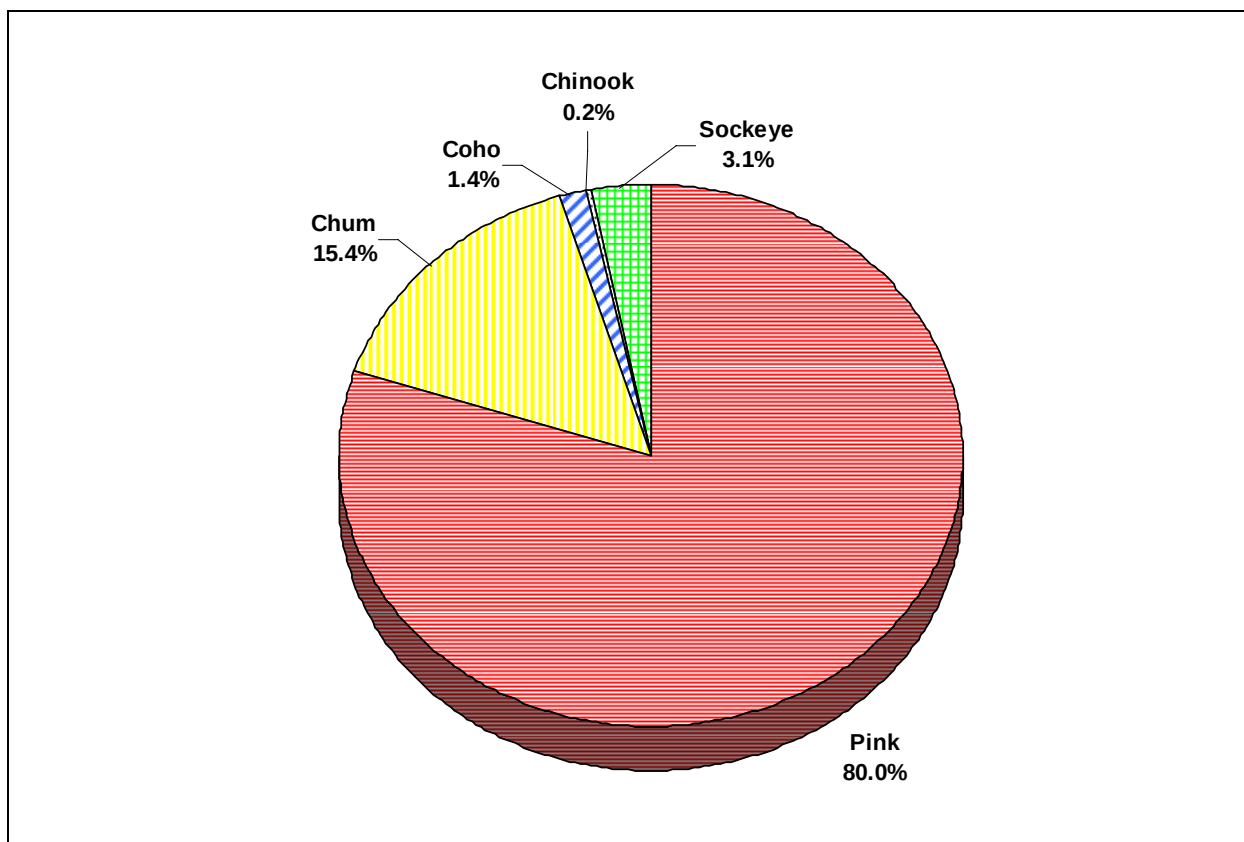


Figure 3.—Alaska salmon hatchery returns by species in 2007.

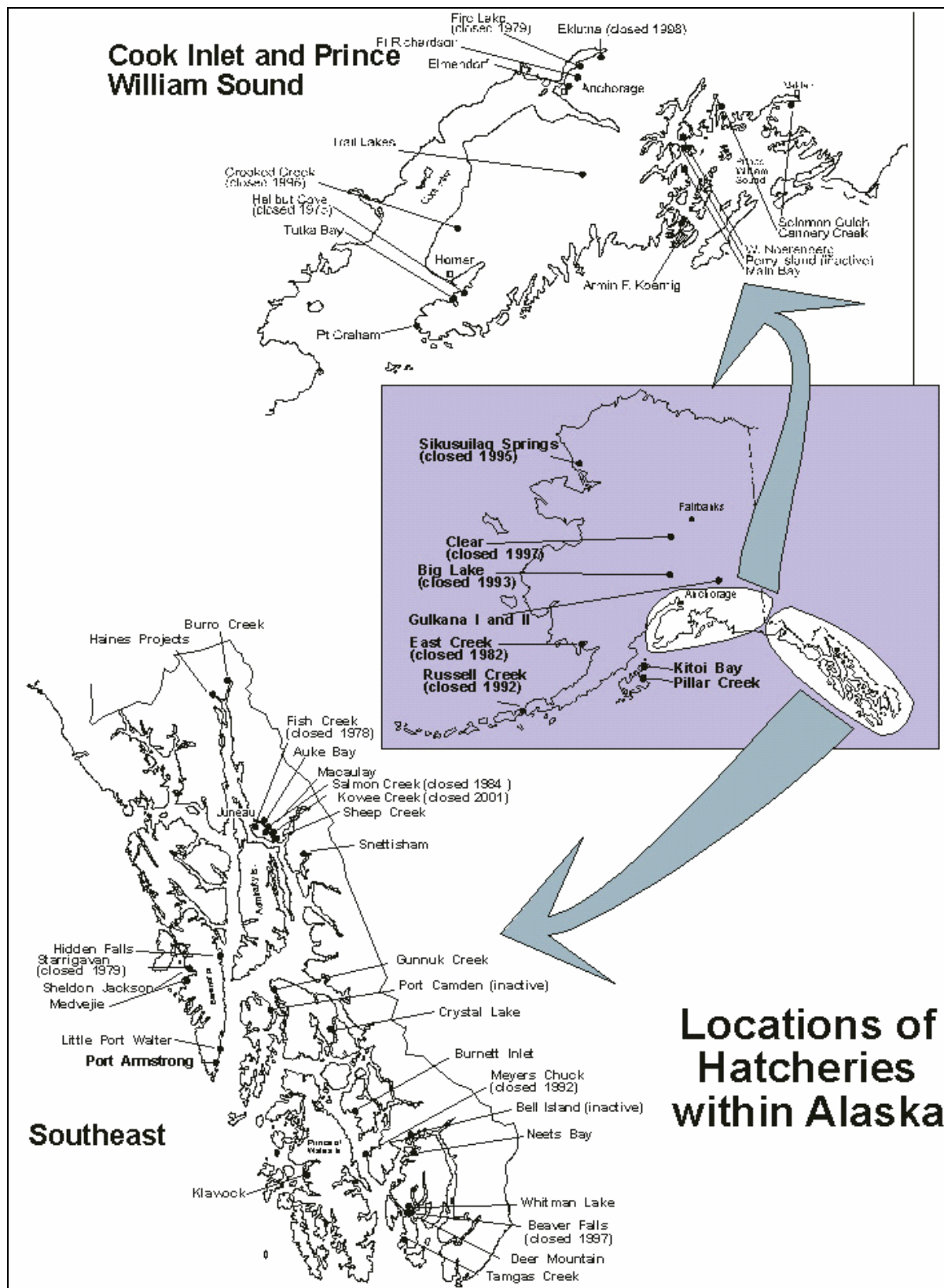


Figure 4.—Locations of hatcheries in Alaska.

Table 1.–List of acronyms and abbreviations used in this report.

Acronym	Organization
ADF&G	Alaska Department of Fish and Game
AKI	Armstrong-Keta, Inc.
AYK	Arctic-Yukon-Kuskokwim
BIA	Bureau of Indian Affairs
CIAA	Cook Inlet Aquaculture Association
COOP	Cooperative projects between state and PNP operators
CP	Common Property Commercial Fishery
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
KNFC	Kake Nonprofit Fisheries Corporation
KTHC	Ketchikan Tribal Hatchery Corporation
KRAA	Kodiak Regional 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

Table 2.—Estimated egg takes from Alaska hatcheries, in millions, 2007.

Area	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast	71.55	464.42	27.19	14.55	20.70	0.01	598.42
Prince William Sound	693.03	130.00	2.52	0.00	40.85	0.00	866.40
Cook Inlet	0.00	0.00	1.99	2.01	17.20	3.54	24.74
Kodiak/Alaska Peninsula	189.97	27.94	2.25	0.21	3.53	0.09	223.99
Totals ^a	954.55	622.36	33.95	16.77	82.29	3.64	1,713.56

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

Table 3.—Estimated releases from Alaska hatcheries, in millions, 2007.

Area	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast	79.63	457.59	18.10	8.88	15.48	0.01	579.69
Prince William Sound	617.61	129.10	3.82	0.00	31.27	0.00	781.80
Cook Inlet	13.28	0.00	2.15	1.52	12.67	1.83	31.45
Kodiak/Alaska Peninsula	140.90	21.65	1.53	0.23	3.97	0.05	168.33
Totals ^a	851.42	608.34	25.60	10.63	63.38	1.90	1,561.27

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

Table 4.—Total returns attributed to Alaska hatcheries and enhancement projects in 2007, including common property, cost recovery, broodstock, and escapement.

Area	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast	1,315,614	8,359,812	679,222	117,905	165,401	0.00	10,637,954
Prince William Sound	54,633,253	3,731,120	267,067	2,259	1,318,177	0.00	59,951,876
Cook Inlet	135,801	0.00	66,939	18,521	764,672	97,639	1,083,572
Kodiak/Alaska Peninsula	8,223,226	256,139	133,115	180	210,801	0.00	8,823,461
Totals ^a	64,307,894	12,347,071	1,146,343	138,865	2,459,051	97,639	80,496,863

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

Table 5.—Alaska common property commercial harvest of enhanced fish, in thousands, 2007.

Area	Harvest ^a	Chinook	Sockeye	Coho	Pink	Chum	Total
Southeast	Total Commercial Harvest	352	1,904	2,081	44,813	9,412	58,562
	Total Cost Recovery Harvest	30	73	174	635	3,422	4,333
	Common Property Harvest	322	1,831	1,907	44,178	5,990	54,229
	Enhanced Fish Harvested	57	62	419	584	4,385	5,507
	% Enhanced in Total CP Harvest ^b	17.6%	3.4%	22.0%	1.3%	73.2%	10.2%
Prince William Sound	Total Commercial Harvest	40	3,232	337	63,452	3,579	70,640
	Total Cost Recovery Harvest	0	321	30	11,962	1,101	13,413
	Common Property Harvest	40	2,911	307	51,490	2,478	57,227
	Enhanced Fish Harvested	0	913	136	41,500	2,459	45,008
	% Enhanced in Total CP Harvest ^b	0.0%	31.4%	44.4%	80.6%	99.2%	78.6%
Cook Inlet	Total Commercial Harvest	18	3,636	181	432	78	4,345
	Total Cost Recovery Harvest	0	57	0	113	0	170
	Common Property Harvest	18	3,579	181	319	78	4,175
	Enhanced Fish Harvested	1	518	0	0	0	518
	% Enhanced in Total CP Harvest ^b	3.3%	14.5%	0.0%	0.0%	0.0%	12.4%
Kodiak	Total Commercial Harvest	17	2,003	369	24,767	745	27,901
	Total Cost Recovery Harvest	0	0	0	1,673	11	1,685
	Common Property Harvest	17	2,003	369	23,094	734	26,216
	Enhanced Fish Harvested	0	207	126	6,212	209	6,754
	% Enhanced in Total CP Harvest ^b	0.0%	10.4%	34.1%	26.9%	28.5%	25.8%
Chignik/Aleutian Islands/Alaska Peninsula	Total Commercial Harvest	15	6,679	291	10,480	940	18,405
	Enhanced Fish Harvested	0	0	0	0	0	0
	% Enhanced in Total CP Harvest ^b	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bristol Bay	Total Commercial Harvest	63	29,463	50	0	2,040	31,616
	Enhanced Fish Harvested	0	0	0	0	0	0
	% Enhanced in Total CP Harvest ^b	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Arctic-Yukon-Kuskokwim	Total Commercial Harvest	57	155	360	4	542	1,118
	Enhanced Fish Harvested	0	0	0	0	0	0
	% Enhanced in Total CP Harvest ^b	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total ^c	Total Commercial Harvest	562	47,072	3,669	143,948	17,336	212,587
	Total Cost Recovery Harvest	30	451	204	14,383	4,534	19,601
	Common Property Harvest	532	46,621	3,465	129,565	12,802	192,986
	Enhanced Fish Harvested	57	1,701	682	48,295	7,054	57,788
	% Enhanced in Total CP Harvest ^b	10.8%	3.6%	19.7%	37.3%	55.1%	29.9%

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

^b CP = common property.

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

Table 6.—Preliminary estimated value of the total Alaska common property commercial harvest, in thousands of dollars, 2007.

Area	Chinook	Sockeye	Coho	Pink	Chum	Total
Southeast	\$14,465	\$10,416	\$12,929	\$30,218	\$17,171	\$85,199
Prince William Sound	\$3,866	\$26,900	\$1,921	\$28,017	\$5,172	\$65,876
Cook Inlet	\$616	\$22,876	\$718	\$104	\$143	\$24,456
Kodiak	\$144	\$10,296	\$1,548	\$13,450	\$1,688	\$27,127
Chignik/Aleutian Islands/Alaska Peninsula	\$132	\$25,787	\$596	\$5,049	\$974	\$32,537
Bristol Bay	\$548	\$106,131	\$101	\$0	\$1,542	\$108,323
Arctic-Yukon-Kuskokwim	\$2,326	\$542	\$1,194	\$1	\$703	\$4,766
Totals ^a	\$22,096	\$202,948	\$19,007	\$76,839	\$27,394	\$348,284

^a Data from the Alaska Department of Fish and Game website: <http://www.state.ak.us/adfg/geninfo/salmon;salmhome.htm>. Accessed 1/14/08. Preliminary figures may not total exactly due to rounding.

Table 7.—Salmon fishery enhancement program timeline of events.

Year	Event	No. of state operated hatcheries	No. private nonprofit (PNP) owned or operated hatcheries	No. 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)	9		
	Legislature authorizes permits for private nonprofit hatchery operators to salmon ranch			
1975	4 PNP permits issued [Sheldon Jackson (#3), Port San Juan (#2), Perry Island (#1), and Sandy Bay (#4)]		4	
	2 state hatcheries constructed (Big Lake and Tutka)	11		
1976	AS 16.10.375 passed, designating regions for regional planning teams and enhancing salmon			
	1 state hatchery constructed at Elmendorf	12		
	2 PNP permits issued [Burnett Inlet (#5) and Kowee Creek (#6)]		6	
1977	1 PNP permit issued to Gunnuk Creek (#7)		7	
	2 state hatcheries constructed (Klawock and Russell Creek)	14		
	State enhancement project at Karluk Lake started			
1978	1 PNP permit issued to Whitman Lake (#8)		8	
	2 state hatcheries constructed (Cannery Creek and Hidden Falls)	16		
1979	3 PNP permits issued [Sheep Creek (#11), Meyers Chuck (#10), Salmon Creek (#9)]		11	
	1 state hatchery constructed (Snettisham)	17		
	1 state hatchery closed (Fire Lake)	16		
1980	1 PNP permit issued to Burro Creek (#12)		12	
	2 state hatcheries constructed (Clear and Main Bay)	18		
	1 hatchery at Tamgas Creek constructed (Metlakatla Indian Community/BIA)			3
1981	1 state hatchery closed (East Creek)	17		

-continued-

Table 7.—Page 2 of 3.

Year	Event	No. of state operated hatcheries	No. private nonprofit (PNP) owned or operated hatcheries	No. of Federal hatcheries
	2 state hatcheries constructed (Sikusuilaq and Trail Lakes)	19		
	4 PNP permits issued [Medvejie (#16), Port Armstrong (#13), Solomon Gulch (#15), Salmon Creek (#14)]		16	
	1 PNP permit revoked [Salmon Creek (#9)]		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)]		20	
	1 state hatchery completed (Broodstock Development Center)	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)	16		
	4 PNP permits issued [Hidden Falls (#28), Cannery Creek (#26), Trail Lakes (#27), Kitoi Bay (#29)]		28	
	1 state hatchery constructed (Pillar Creek)	17		
	2 PNP permits revoked [Sandy Bay (#4) and Salmon Creek (#14)]		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	12	30	
	Portions of 6 state hatcheries paid for by private or federal funds			
1992	1 state hatchery closed (Russell Creek)	11		
	2 PNP permits issued [Haines projects (#34) and Port Graham (#33)]		32	
	1 PNP permit revoked [Meyers Chuck (#10)]		31	
	FRED Division merged with the Commercial Fisheries Division to form the Commercial Fisheries Management and Development (CFMD) Division			3
1993	3 state hatcheries transferred from CFMD to Sport Fish Division (Broodstock Development Center, Elmendorf, and Ft. Richardson)			

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Table 7.—Page 3 of 3.

Year	Event	No. of state operated hatcheries	No. private nonprofit (PNP) owned or operated hatcheries	No. of Federal hatcheries
	2 state hatcheries contracted to private sector (Crooked Creek and Klawock)	9		
	1 state hatchery closed (Big Lake)	8		3
1994	4 PNP permits issued [Tutka (#32), Crooked Creek (#35), Klawock (#36), Deer Mountain (#37)]		35	
	1 state hatchery conveyed (Deer Mountain)	7		
	Ft. Richardson Hatchery merged with Broodstock Development Center	6		
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)]	4	36	
	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)]		33	
1997	1 state hatchery closed (Clear)	3		
	2 state contracted (PNP) hatcheries closed [Beaver Falls (#24), Crooked Creek (#35)]		31	
	1 PNP hatchery closed & reopened under new management [Burnett Inlet (#5, now #40)]		31	
1998	1 PNP hatchery closed [Eklutna (#17)]		31	
2000	1 state hatchery contracted to private sector (Crystal Lake Hatchery)	2	32	
	Port Camden hatchery permit (# 23) given up		31	3
2001	Kowee Creek hatchery permit (#6) given up; 1 Federal hatchery inactivated (Auke Creek)	2	30	2
2002	No activity	2	30	2
2003	No activity	2	30	2
2004	1 PNP hatchery permit issued [Port St. Nicholas (#43)]	2	31	2
2005	No activity	2	31	2
2006	No activity	2	31	2
2007	1 PNP hatchery permit issued [Sawmill Creek (#44)]	2	32 ^a	2

^aThere are 11 state owned hatcheries contracted to and operated by PNPs. Perry Island, Bell Island, and Burro Creek are not active.

Table 8.—Eggs taken at Alaska hatcheries in 2007, 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		36.70	5.56	1.36			43.61
	Neets Bay		94.00					94.00
	Burnett Inlet			2.30		0.33		2.63
	Crystal Lake			0.23	2.16			2.39
NSRAA	Hidden Falls		96.69	6.00	2.14			104.83
	Medvejie Creek	0.37	57.19	0.44	5.10			63.10
	Haines projects		1.70					1.70
AKI	Port Armstrong	64.48	15.23	3.96	0.86			84.53
DIPAC	Macaulay ^a		121.00	0.63	0.57			122.20
	Snettisham					20.10		20.10
KTHC	Deer Mountain			0.07	0.11		0.01	0.18
KNFC	Gunnuk Creek	5.64	25.38	0.03				31.05
POWHA	Klawock			4.88				4.88
	Port Saint Nicholas				0.60			0.60
SJC	Sheldon Jackson	1.06	7.71	0.15	0.10			9.03
MIC	Tamgas Creek		8.83	2.93	0.55	0.28		12.58
NMFS	Little Port Walter				1.01			1.01
Southeast Totals ^b		71.55	464.42	27.19	14.55	20.70	0.01	598.42
Prince William Sound								
PWSAC	Armin F. Koernig	160.00						160.00
	Wally Noerenberg	148.00	130.00	0.26				278.26
	Cannery Creek	152.00						152.00
	Main Bay					10.40		10.40
VFDA	Gulkana					30.45		30.45
	Solomon Gulch	233.03		2.27				235.30
Prince William Sound Totals ^b		693.03	130.00	2.52	0.00	40.85	0.00	866.40
Cook Inlet								
PGHC	Port Graham					0.51		0.51
CIAA	Trail Lakes			0.75		16.69		17.44
ADF&G	Ship Creek Complex			1.24	2.01		3.54	6.80
Cook Inlet Totals ^b		0.00	0.00	1.99	2.01	17.20	3.54	24.74
Kodiak								
KRAA	Kitoi Bay	189.97	27.94	2.15		0.61		220.67
	Pillar Creek			0.10	0.21	2.93	0.09	3.32
Kodiak Totals ^b		189.97	27.94	2.25	0.21	3.53	0.09	223.99
Statewide Totals ^b		954.55	622.36	33.95	16.77	82.29	3.64	1,713.56

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

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

Table 9.—Alaskan hatchery releases in 2007, in millions of fish.

Area/Operator/Location		Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast								
SSRAA	Whitman Lake			.32	0.72			1.04
	Kendrick Bay		21.52					21.52
	Nakat Inlet		8.22	0.30				8.52
	Anita Bay		4.61	0.22				4.83
	Neets Bay			0.63	0.24			0.87
	Bakewell Lake			0.43				0.43
	Neets Bay		71.63	2.19				73.82
	Nakat Inlet		6.61					6.61
	Anita Bay		20.40					20.40
	Burnett Inlet			0.21		0.69		0.90
	Neck Lake			1.70				1.70
	Crystal Lake			0.13	0.54			0.67
	Neets Bay				0.38			0.38
	Anita Bay				0.37			0.37
NSRAA	Hidden Falls		43.91	2.49	0.86			47.25
	Takatz Bay		44.40					44.40
	Mist Cove			0.53				0.53
	Medvejie							
	Deep Inlet		43.45	0.20	1.00			44.65
	Bear Cove	0.33	9.61	0.01	2.58			12.53
	Haines projects		1.37					1.37
AKI	Port Armstrong	78.21	17.45	2.16	0.81			98.63
DIPAC	Macaulay (Gastineau)		11.97	0.57	0.15			12.69
	Sheep Creek		24.74		0.10			24.84
	Amalga Harbor		48.10					48.10
	Boat Harbor		14.90					14.90
	Limestone Inlet		15.18					15.18
	Skagway				0.17			0.17
	Fish Cr/Auke Bay/Twin L				0.29			0.29
	Snettisham					6.03		6.03
	Sweetheart Lake					0.49		0.49
	Tahltan/Tuya Lakes					3.67		3.67
	Tatsamenie Lake					3.71		3.71
	Little Trapper					0.90		0.90
KTHC	Deer Mountain			0.05	0.06		0.003	0.11
KNFC	Gunnuk Creek		11.88	0.02				11.90
	Southeast Cove		21.83					21.83
SJC	Sheldon Jackson	1.09	1.10	0.12	0.04			2.35
	Deep Inlet (NSRAA coop)		8.82					8.82
MIC	Tamgas Creek		5.92	2.11	0.15			8.18
POWHA	Klawock			3.73				3.73
	Port Saint Nicholas				0.31			0.31
NMFS	Little Port Walter				0.13		0.01	0.14
Southeast Totals ^a		79.63	457.59	18.10	8.88	15.48	0.01	579.69

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Table 9.—Page 2 of 2.

Area/Operator/Location		Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Prince William Sound								
PWSAC	Armin F. Koernig	179.00						179.00
	Wally Noerenberg	77.20	73.50	1.60				152.30
	Port Chalmers		40.10					40.10
	Whittier			0.10				0.10
	Cordova			0.10				0.10
	Chenega			0.05				0.05
	Sawmill Bay		15.50					15.50
	Gulkana I and II							
	Paxson Lake					6.00		6.00
	Crosswind Lake					10.00		10.00
	Summit Lake					6.00		6.00
	Cannery Creek	141.00						141.00
	Main Bay					9.27		9.27
VFDA	Solomon Gulch	220.41		1.97				222.38
Prince William Sound Totals ^a		617.61	129.10	3.82	0.00	31.27	0.00	781.80
Cook Inlet								
PGHC	Port Graham	13.28						13.28
CIAA	Trail Lakes							
	Bear Lake			0.76		3.06		3.81
	Hazel Lake					1.41		1.41
	Hidden Lake					0.66		0.66
	Kirshner Lake					0.25		0.25
	Leisure Lake					2.32		2.32
	Meadow Creek					4.83		4.83
	Homer Spit			0.10				0.10
	Seldovia			0.10				0.10
	Tutka Bay					0.14		0.14
ADF&G	Ship Creek Complex			1.19	1.52		1.83	4.54
Cook Inlet Totals ^a		13.28	0.00	2.15	1.52	12.67	1.83	31.45
Kodiak								
KRAA	Kitoy Bay	140.90	21.65	1.05				163.59
	Crescent Lake			0.14				0.14
	Jennifer Lake			0.21				0.21
	Katmai			0.01				0.01
	Little Kitoy					0.54		0.54
	Ruth Lake			0.03				0.03
	Pillar Creek							
	Abercrombie Lake			0.003	0.01			0.01
	American River				0.03			0.03
	Big Waterfall Lake					0.10		0.10
	Big Lake			0.01				0.01
	Chiniak Lagoon			0.01				0.01
	Crescent Lake					0.31		0.31
	Dark Lake			0.01				0.01
	Hidden Lake					0.50		0.50
	Island Lake			0.03	0.12			0.15
	Jennifer Lake					0.34		0.34
	Kodiak Road System						0.05	0.05
	Little Waterfall Lake					0.25		0.25
	Mayflower Lake			0.01				0.01
	Mission Lake			0.01				0.01
	Monaska River				0.05			0.05
	Olds River				0.03			0.03
	Potato Lake			0.01				0.01
	Ruth Lake					0.12		0.12
	Southern Lake			0.003				0.003
	Spiridon Lake					1.81		1.81
Kodiak Totals ^a		140.90	21.65	1.53	0.23	3.97	0.05	168.33
Statewide Totals ^a		851.42	608.34	25.60	10.63	63.38	1.90	1,561.27

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

Table 10.—Estimated adult returns by species to Alaska enhancement projects in 2007, including common property harvests, as reported by operators.

Area/Operator/Location		Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast								
SSRAA	Whitman Lake		1,340,400	67,310	15,650			1,423,360
	Neets Bay		1,663,862	132,300	15,480			1,811,642
	Burnett Inlet			59,720		28,852		88,572
	Crystal Lake			2,305	10,070			12,375
	Anita Bay				18,390			18,390
NSRAA	Hidden Falls		1,227,094	86,840	10,659			1,324,593
	Medvejie	2,726	751,982	5,420	31,423			791,551
	Haines projects		14,778					14,778
AKI	Port Armstrong	1,209,973	37,758	146,144	1,140			1,395,015
DIPAC	Macaulay ^a		3,065,182	25,295	4,488			3,094,965
	Snettisham					136,362		136,362
KNFC	Gunnuk Creek		80,817	89				80,906
SJC	Indian River	102,915	61,747	6,957	87			171,706
POWHA	Klawock			57,522				57,522
MIC	Tamgas Creek		116,192	85,012	3,812	187		205,203
	Little Port Walter				6,214			6,214
KTHC	Deer Mountain			4,308	492			4,800
	Southeast Totals	1,315,614	8,359,812	679,222	117,905	165,401	0	10,637,954
Prince William Sound								
PWSAC	Armin F. Koernig	15,755,182						15,755,182
	Wally Noerenberg	7,540,222	3,731,120	124,038				11,395,380
	Cannery Creek	7,430,043						7,430,043
	Main Bay					1,161,124		1,161,124
	Gulkana					157,053		157,053
ADF&G	Ship Creek Complex				2,259			2,259
VFDA	Solomon Gulch	23,907,806		143,029				24,050,835
	Prince William Sound Totals	54,633,253	3,731,120	267,067	2,259	1,318,177	0	59,951,876
Cook Inlet								
PGHC	Port Graham	135,801						135,801
CIAA	Trail Lakes			1,015		764,672		765,687
ADF&G	Ship Creek Complex			65,924	18,521		97,639	182,084
	Cook Inlet Totals	135,801	0	66,939	18,521	764,672	97,639	1,083,572
Kodiak								
KRAA	Kitoy Bay	8,223,226	256,139	131,515		35,690		8,646,570
	Pillar Creek			1,600	180	175,111		176,891
	Kodiak Totals	8,223,226	256,139	133,115	180	210,801	0	8,823,461
Statewide Totals		64,307,894	12,347,071	1,146,343	138,865	2,459,051	97,639	80,496,863

^a Includes returns to Sheep Creek.

Table 11.—Projected adult returns, by species, to Alaska enhancement projects in 2008.

Area/Operator/Location		Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast								
SSRAA	Whitman Lake			25,000	13,000			38,000
	Nakat Inlet		244,000	26,000				270,000
	Anita Bay		263,000	18,000	12,000			293,000
	Kendrick Bay		290,000					290,000
	Neets Bay		1,080,000	224,000	15,000			1,319,000
	Burnett Inlet			14,000		1,800		15,800
	Neck Lake			44,000		3,100		47,100
NSRAA	Crystal Lake			3,500	10,000			13,500
	Hidden Falls		2,000,000	243,000	21,600			2,264,600
	Medvejie Creek		1,308,000	16,900	38,600			1,363,500
	Haines projects		22,579					22,579
	Port Armstrong	1,564,220	104,044	150,955	2,650			1,821,869
DIPAC	Macaulay (Gastineau)							
	Gastineau Channel		1,096,000	28,000	5,300			1,129,300
	Amalga Harbor		1,007,000					1,007,000
	Boat Harbor		319,000					319,000
	Limestone Inlet		95,000					95,000
	Pullen Creek				1,600			1,600
	Snettisham					224,000		224,000
	Sweetheart Lake					3,800		3,800
	Taku River ^a							
	Stikine Rive ^a							
KTHC	Deer Mountain			4,614	983		25	5,622
KNFC	Gunnuk Creek		79,473	479				79,952
	Southeast Cove		406,505					406,505
SJC	Indian River/Deep Inlet	46,171	155,356	12,122	179			213,828
Federal	Little Port Walter				4,000		200	4,200
MIC	Tamgas		144,164	100,000	3,714	5,000		252,878
POWHA	Klawock			111,865		28,241		140,106
Southeast Totals		1,610,391	8,614,121	1,022,435	128,626	265,941	225	11,641,739
Prince William Sound								
PWSAC	Armin F. Koernig	8,100,000						8,100,000
	Wally Noerenberg	3,500,000	3,060,000	145,000				6,705,000
	Cannery Creek	6,200,000						6,200,000
	Main Bay					825,000		825,000
	Gulkana					287,000		287,000
VFDA	Solomon Gulch	14,085,880		211,176				14,297,056
Prince William Sound Totals		31,885,880	3,060,000	356,176	0	1,112,000	0	36,414,056
Cook Inlet								
PGHC	Port Graham	265,641						265,641
CIAA	Trail Lakes							
	Homer Spit			4,000				4,000
	Seldovia			3,900				3,900
	Hazel/Leisure					130,000		130,000
	Kirschner Lake					27,000		27,000
	Hidden Lake					32,860		32,860
	Bear Lake			12,404		96,300		108,704
	Big Lake					24,120		24,120
	Tustumena Lake					363,000		363,000
	Tutka Bay Lagoon					22,000		22,000
ADF&G	Ship Creek Complex ^b			74,168	20,704		101,461	196,333
Cook Inlet Totals		265,641	0	94,472	20,704	695,280	101,461	1,177,558
Kodiak								
KRAA	Kitoy Bay	4,283,106	250,310	167,140		55,624		4,756,180
	Pillar Creek			1,600	500	231,000		233,100
Kodiak Totals		4,283,106	250,310	168,740	500	286,624	0	4,989,280
Statewide Totals		38,045,018	11,924,431	1,641,823	149,830	2,359,845	101,686	54,222,633

^a Sockeye projection was not available in time for publication.^b Ship Creek Complex is the combination of Elmendorf Hatchery and Fort Richardson Hatchery.

Table 12.—Cumulative state loans made to PNP salmon hatchery corporations and enhancement funds returned to associations.

Region/Corporation (number of permits)	State Loans					Enhancement Funds Generated Through Assessments and Returned to Associations via Contract		2007 Gross Reported Revenues
	For Capital Construction		For Operations		Cumulative Repayments ^a	FY 2008	Cumulative	
	FY 2007	Cumulative	FY 2007	Cumulative				
Southern Southeast								
SSRAA (Southern Southeast Regional Aquaculture Association)–(3) ^b		\$10,663,000		\$7,349,196	\$22,166,157	\$845,370	\$35,410,209	\$8,548,211
POWHA (Prince of Wales Hatchery Association)–(2)		\$496,000	\$296,613	\$2,166,613	\$0		\$0	\$533,111
KTHC (Ketchikan Tribal Hatchery Corporation)–(1)							\$0	\$201,341
Northern Southeast								
NSRAA (Northern Southeast Regional Aquaculture Association)–(4) ^b		\$2,787,765		\$4,615,544	\$5,963,695	\$1,321,565	\$29,730,375	\$4,800,782
AKI (Armstrong-Keta, Inc.)–(1)		\$4,302,645	\$990,000	\$7,048,095	\$2,872,883		\$0	\$854,673
BCF (Burro Creek Farms, Inc.)–(1)		\$143,500		\$290,875	\$608,708		\$0	\$0
DIPAC (Douglas Island Pink and Chum, Inc.)–(3)		\$9,364,000		\$13,664,000	\$11,774,226		\$0	\$10,199,801
KNFC (Kake Nonprofit Fisheries Corporation)–(1)	\$175,000	\$3,033,724	\$655,000	\$6,783,883	\$656,205		\$0	\$520,353
SJC (Sheldon Jackson College)–(1)		\$423,624			\$752,346		\$0	\$133,962
Prince William Sound								
PWSAC (Prince William Sound Aquaculture Association)–(5) ^c		\$24,475,419		\$8,585,500	\$22,955,521	\$761,543	\$17,955,178	\$9,860,955
VFDA (Valdez Fisheries Development Association)–(1)	\$200,000	\$6,150,310		\$8,024,246	\$11,935,387		\$0	\$3,411,944
Cook Inlet								
PGHC (Port Graham Hatchery Corporation)–(1)		\$1,107,000	\$100,000	\$2,229,034	\$45,864		\$0	\$29,865
CIAA (Cook Inlet Aquaculture Association)–(3) ^c		\$1,576,381		\$2,983,369	\$2,693,824	\$299,141	\$21,908,198	\$1,413,083
Kodiak								
KRAA (Kodiak Regional Aquaculture Association)–(2) ^c		\$454,700			\$164,448	\$515,723	\$13,821,217	\$2,108,790
Chignik								
CRAA (Chignik Regional Aquaculture Association)–(0) ^c						\$95,148	\$3,482,552	\$0
Statewide Totals	\$375,000	\$64,978,068	\$2,041,613	\$63,740,355		\$3,838,490	\$122,307,729	\$42,616,870

Source: Department of Community and Economic Development, Division of Investments.

^a Total repayments received and applied over the life of the loan relationship.

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

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

Table 13.—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	1987	1,369	824	25,505
1967	NA	1	0	1988	1,280	1,114	18,527
1968	NA	1	0	1989	1,418	1,087	35,730
1969	NA	1	0	1990	1,603	1,154	48,485
1970	NA	1	0	1991	1,634	1,319	48,853
1971	NA	0	0	1992	1,725	1,323	23,536
1972	2	2	0	1993	1,685	1,475	33,595
1973	4	2	0	1994	1,758	1,302	55,926
1974	9	3	0	1995	1,913	1,503	37,298
1975	36	11	18	1996	1,688	1,638	50,220
1976	61	13	29	1997	1,732	1,364	50,991
1977	100	41	176	1998	1,773	1,452	56,046
1978	133	74	341	1999	1,847	1,433	72,303
1979	152	87	1,988	2000	1,734	1,470	63,114
1980	292	96	3,053	2001	1,804	1,476	61,730
1981	475	212	4,886	2002	1,863	1,484	49,322
1982	548	331	6,939	2003	1,926	1,521	79,873
1983	668	412	6,560	2004	1,736	1,648	46,448
1984	829	506	7,690	2005	1,705	1,427	80,973
1985	995	659	16,650	2006	1,823	1,433	46,498
1986	1,026	762	12,979	2007	1,710	1,559	80,399
				Total	41,057	32,222	1,126,681

Table 14.—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		1991	998	862	39,777
1975	9	1	18	1992	1,077	797	14,734
1976	23	4	16	1993	1,031	919	20,692
1977	66	18	175	1994	1,076	790	41,305
1978	79	50	325	1995	1,162	921	24,770
1979	91	60	1,591	1996	929	999	29,575
1980	174	64	2,310	1997	1,064	773	33,957
1981	328	135	4,371	1998	1,119	873	38,651
1982	344	218	6,610	1999	1,085	878	51,973
1983	406	264	5,939	2000	1,074	880	40,395
1984	442	332	5,298	2001	1,101	942	47,247
1985	604	366	14,158	2002	1,168	938	30,835
1986	511	484	9,044	2003	1,108	962	59,773
1987	840	443	21,961	2004	960	965	30,564
1988	736	730	13,868	2005	949	808	69,076
1989	975	675	31,764	2006	964	809	26,702
1990	1,014	811	41,208	2007	955	851	64,308

Table 15.—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)	Releases (millions)	Total Returns (thousands)
1974	1	0		1991	480	365	2,181
1975	5	1		1992	510	428	3,089
1976	7	2		1993	496	469	6,709
1977	8	3	1	1994	529	407	8,997
1978	12	4	3	1995	596	473	9,540
1979	24	7	6	1996	590	535	16,353
1980	74	13	16	1997	524	485	12,768
1981	87	46	53	1998	517	479	13,409
1982	126	63	153	1999	636	461	15,080
1983	170	86	301	2000	541	508	18,818
1984	269	108	1,809	2001	568	467	9,167
1985	244	201	1,404	2002	549	451	12,565
1986	374	182	1,938	2003	675	466	13,695
1987	380	298	2,005	2004	665	578	10,932
1988	392	288	2,650	2005	627	549	7,553
1989	293	310	1,347	2006	714	539	15,715
1990	450	241	2,039	2007	622	608	12,347

Table 16.—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		1987	26	15	453
1967	NA	1		1988	28	19	284
1968	NA	1		1989	23	16	505
1969	NA	1		1990	22	18	955
1970	NA	1		1991	23	14	1,289
1971	NA	0		1992	21	14	1,396
1972	2	2		1993	25	15	1,022
1973	2	2		1994	28	18	1,320
1974	1	2		1995	27	21	1,312
1975	7	4	0	1996	30	21	1,368
1976	5	3	13	1997	36	23	1,081
1977	5	5		1998	29	21	1,393
1978	5	3	0	1999	23	20	1,542
1979	4	3	71	2000	33	15	1,655
1980	4	2	21	2001	32	19	1,799
1981	8	3	55	2002	35	20	2,120
1982	16	3	108	2003	35	19	1,495
1983	17	9	96	2004	33	23	1,203
1984	21	11	179	2005	33	22	1,444
1985	20	15	308	2006	36	22	1,355
1986	24	13	660	2007	34	26	1,146

Table 17.—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		1987	17	8	94
1967	NA	1		1988	18	9	75
1968	NA	0		1989	15	8	78
1969	NA	0		1990	17	10	118
1970	NA	0		1991	20	7	174
1971	NA	0		1992	13	10	132
1972	NA	0		1993	12	12	112
1973	NA	0		1994	13	10	127
1974	0	1		1995	14	7	169
1975	1	0		1996	12	7	165
1976	1	0		1997	12	7	150
1977	3	1		1998	13	7	104
1978	2	1	0	1999	12	8	114
1979	2	1	3	2000	12	8	174
1980	3	1	7	2001	14	9	188
1981	1	1	5	2002	18	8	157
1982	3	1	12	2003	14	10	159
1983	7	2	13	2004	16	10	194
1984	10	4	21	2005	15	10	139
1985	19	4	26	2006	17	10	108
1986	16	6	40	2007	17	11	139

Table 18.—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		1990	100	74	4,165
1973	2	0		1991	113	70	5,432
1974	2	1		1992	104	74	4,185
1975	14	5		1993	122	61	5,060
1976	24	2		1994	112	77	4,177
1977	19	14	0	1995	115	81	1,506
1978	35	16	13	1996	127	75	2,760
1979	30	17	318	1997	97	75	3,036
1980	38	15	700	1998	95	72	2,488
1981	51	28	401	1999	91	66	3,595
1982	59	45	56	2000	73	60	2,073
1983	68	53	210	2001	89	39	3,328
1984	86	52	382	2002	92	67	3,645
1985	108	73	754	2003	94	64	4,750
1986	101	77	1,296	2004	62	71	3,554
1987	107	60	992	2005	81	38	2,761
1988	107	69	1,651	2006	93	53	2,618
1989	112	77	2,037	2007	82	63	2,459

Table 19.—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 ^a
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	49,061	19,005	\$19,462,990
2003	1,919	1,490	79,897	22,937	\$19,999,879
2004	1,727	1,574	46,226	21,986	\$17,915,212
2005	1,688	1,417	80,741	21,246	\$16,223,805
2006	1,805	1,421	46,274	18,921	\$31,556,202
2007	1,693	1,548	80,101	19,581	\$26,529,560
Cumulative Hatchery Revenues from Special Harvests:					\$354,750,366

^a Preliminary values. 2007 Season and value data from the Alaska Department of Fish and Game website: <http://www.cf.adfg.state.ak.us/geninfo/finfish/salmon/catchval/blusheet/06exvesl.php>

Table 20.—Summary of pink 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)
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
2003	1,108	962	59,773	15,376
2004	960	965	30,564	17,040
2005	949	808	69,076	18,099
2006	964	809	26,702	12,620
2007	955	851	64,308	14,383

Table 21.—Summary of chum 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)
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
2003	675	436	13,695	6,514
2004	660	574	10,905	4,102
2005	617	544	7,524	2,428
2006	704	532	15,621	5,454
2007	614	602	12,231	4,529

Table 22.—Summary of coho salmon production from private nonprofit hatcheries in Alaska, as reported by operators.

Year	Egg take (millions)	Juvenile 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	1,875	766
2003	32	22	1,433	395
2004	29	23	1,043	258
2005	29	19	1,274	289
2006	32	19	1,260	276
2007	30	22	995	189

Table 23.—Summary of Chinook salmon production from private nonprofit hatcheries in Alaska, as reported by operators.

Year	Egg take (millions)	Juvenile 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	122	33
2003	10	6	138	48
2004	11	7	164	62
2005	12	7	106	26
2006	13	8	76	15
2007	13	9	108	28

Table 24.—Summary of sockeye salmon production from private nonprofit hatcheries in Alaska, as reported by operators.

Year	Egg take (millions)	Juvenile 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	3,668	216
2003	94	64	4,832	604
2004	61	72	3,550	524
2005	81	39	2,761	404
2006	92	53	2,616	557
2007	82	63	2,459	451

Table 25.—Alaska commercial salmon fishery harvest average weights and prices.

Area/Species	Average Harvest ^a	
	Weight (lb)	Price/lb.
Cook Inlet		
Chinook	19.35	\$1.77
Sockeye	6.15	\$1.04
Coho	6.61	\$0.60
Pink	3.34	\$0.10
Chum	7.34	\$0.25
Kodiak		
Chinook	9.49	\$0.89
Sockeye	5.65	\$0.91
Coho	7.11	\$0.59
Pink	3.64	\$0.16
Chum	7.67	\$0.30
Prince William Sound		
Chinook	21.72	\$4.45
Sockeye	6.26	\$1.48
Coho	8.42	\$0.74
Pink	3.37	\$0.16
Chum	6.92	\$0.30
Southeast		
Chinook	14.65	\$3.06
Sockeye	6.38	\$0.89
Coho	6.21	\$1.09
Pink	3.60	\$0.19
Chum	8.19	\$0.35

^a Data from the Alaska Department of Fish and Game website:

<<http://www.state.ak.us/adfg/geninfo/finfish/salmon;salmhome.htm>>. Accessed 01/11/2008.

Table 26.—Alaska state hatchery FY 2007 operating budgets, in thousands of dollars.

Hatchery	FY2007	FY2007
	Authorized Total	Actual Total
Elmendorf Hatchery	\$726,000	\$804,327
Ft. Richardson Hatchery	\$1,378,200	\$1,390,609
Crystal Lake Hatchery ^a	\$577,300	\$582,700

^a Crystal Lake Hatchery was funded with \$377,300 from the Fish and Game Fund and with \$151,405 from the Southern Southeast Regional Aquaculture Association.

Table 27.– Estimated pink salmon returns to Alaska hatcheries in 2007, including common property harvests, as reported by operators.

		Common Property Harvest					Other	Brood	Cost Recovery Harvest	Escapement	Total
		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence					
Area/Operator/Location											
Southeast											
AKI	Port Armstrong	537,766					22,100	66,315	583,792		1,209,973
SJC	Sitka	46,000						5,621	51,294		102,915
NSRAA	Medvejie						700	1,226		800	2,726
Southeast Totals		583,766	0	0	0	0	22,800	73,162	635,086	800	1,315,614
Prince William Sound											
PWSAC	Armin F. Koernig	12,449,638					64,500	200,716	3,040,328		15,755,182
	Wally Noerenberg	3,774,922	56,406				5,000	231,438	3,472,456		7,540,222
	Cannery Creek	5,638,233					70,000	278,619	1,443,191		7,430,043
VFDA	Solomon Gulch	19,580,594			27,537		80,000	212,044	4,005,621	2,010	23,907,806
Prince William Sound Totals			56,406		27,537	0	219,500	922,817	11,961,596	2,010	54,633,253
Cook Inlet											
PGHC	Port Graham					8,000		0	112,801	15,000	135,801
Cook Inlet Totals		0	0	0	0	8,000	0	0	112,801	15,000	135,801
Kodiak											
KRAA	Kitoi Bay	6,211,529				772	44,250	283,337	1,673,338	10,000	8,223,226
Kodiak Totals		6,211,529	0	0	0	772	44,250	283,337	1,673,338	10,000	8,223,226
Statewide Totals		48,238,682	56,406	0	27,537	8,772	286,550	1,279,316	14,382,821	27,810	64,307,894

Table 28.—Estimated chum salmon returns to Alaska hatcheries in 2007, including common property harvests, as reported by operators.

Area/Operator/Location		Common Property Harvest					Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
		Seine	Gillnet	Troll	Sport							
Southeast												
SSRAA	Whitman Lake											
	Nakat Inlet – summer	19,000	214,600									233,600
	Anita Bay -summer	96,100	278,800									374,900
	Kendrick Bay – summer	674,500	57,400									731,900
	Neets Bay – summer	337,300	155,900	3,900			33,854	72,746	723,247			1,326,947
	Neets Bay – fall	23,300	35,900	1,000			10,800	37,800	126,215			235,015
	Nakat Inlet – fall	18,800	83,100									101,900
NSRAA	Medvejie	104,985	105,209	166,602			15,384	55,007	304,495	300		751,982
	Hidden Falls	500,924		7				125,754	600,409			1,227,094
	Haines projects		5,911					1,413		7,454		14,778
DIPAC	Macaulay (was Gastineau)	22,562	513,347		1,900		10,000	128,681	717,916			1,394,406
	Amalga Harbor	14,660	250,941						874,598			1,140,199
	Limestone Inlet	5,406	107,212									112,618
	Boat Harbor	8,893	409,066									417,959
KNFC	Gunnuk Creek											
	Kake SHA	13,099		62			3,675	27,189		500		44,525
	Southeast Cove	10,718		51			205	574	24,744			36,292
AKI	Port Armstrong	7,552					40	10,269	19,897			37,758
SJC	Sitka	13,245	7,882	12,482			558	2,360	25,220			61,747
MIC	Tamgas Creek	25,000	80,000				50	6,300	4,842			116,192
Southeast Totals		1,896,044	2,305,268	184,104	1,900	0	74,566	468,093	3,421,583	8,254		8,359,812
Prince William Sound												
PWSAC	Wally Noerenberg											
	Lake Bay	471,298	1,205,926		1,000		3,000	167,562	926,847			2,775,633
	Port Chalmers	739,173										739,173
	Sawmill Bay	42,445							173,869			216,314
Prince William Sound Totals		1,252,916	1,205,926	0	1,000	0	3,000	167,562	1,100,716	0		3,731,120
Kodiak												
KRAA	Kitoi Bay	209,446					8,674	24,739	11,280	2,000		256,139
Kodiak Totals		209,446	0	0	0	0	8,674	24,739	11,280	2,000		256,139
Statewide Totals		3,358,406	3,511,194	184,104	2,900	0	86,240	660,394	4,533,579	10,254		12,347,071

Table 29.—Estimated coho salmon returns to Alaska hatcheries in 2007, including common property harvests, as reported by operators.

Area/Operator/Location		Common Property Harvest					Other	Brood	Cost Recovery Harvest	Escapement	Total
		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence					
Southeast											
SSRAA	Whitman Lake	500	14,300	3,000			60	3,750	2,600		24,210
	Anita Bay		8,100	9,400	600						18,100
	Nakat	1,600	6,500	16,900							25,000
	Neets Bay	3,000	16,300	79,400			500		33,100		132,300
	Burnett Inlet	1,800	5,200	800	500			7,620			15,920
	Neck Lake	1,100	12,800	1,500	4,200		2,800		21,400		43,800
	Crystal Lake Hatchery		100	800	100			1,305			2,305
NSRAA	Medvejie	954	1,115	1,503	542		102	398	806		5,420
	Hidden Falls	8,819		20,134	1,881		2,659	10,167	15,072		58,732
	Deer Lake	522		7,279	1,016		3,080		16,211		28,108
AKI	Port Armstrong	5,585	87	80,377	4,345		2,805	3,627	49,318		146,144
KNFC	Gunnuk Creek			19	6		2	22		40	89
DIPAC	Macaulay (was Gastineau)	397	724	7,463	2,030		2,684	463	11,534		25,295
KTHC	Deer Mountain	675	1,121	518	505	19	698	320		452	4,308
SJC	Sitka			3,131			3,576	250			6,957
POWHA	Klawock Hatchery	5,587		23,944	1,188		5,862	3,141	9,592	8,208	57,522
MIC	Tamgas Creek	4,000	22,500	39,912	2,100		600	1,400	14,500		85,012
Southeast Totals		34,539	88,847	296,080	19,013	19	25,428	32,463	174,133	8,700	679,222
Prince William Sound											
PWSAC	Wally Noerenberg	24,602	60,982		2,500		2,000		11,975		102,059
	Cordova/Whittier/Chenega				21,850			129			21,979
VFDA	Solomon Gulch	50,800			70,917		200	3,364	17,748		143,029
Prince William Sound Totals		75,402	60,982	0	95,267	0	2,200	3,493	29,723	0	267,067
Cook Inlet											
CIAA	Trail Lakes		48				200	367		400	1,015
ADF&G	Ship Creek Complex				8,773			535			9,308
	Bird Creek				3,894						3,894
	Homer Spit				14,715						14,715
	Resurrection Bay				31,351			191			31,542
	Campbell Creek				1,203			4			1,207
	Eklutna tailrace				5,258						5,258
Cook Inlet Totals		0	48	0	65,194	0	200	1,097	0	400	66,939
Kodiak											
KRAA	Kitoi Bay	125,781			50	474	474	4,736			131,515
	Pillar Creek- road system				1,600						1,600
Kodiak Totals		125,781	0	0	1,650	474	474	4,736	0	0	133,115
Statewide Totals		235,722	149,877	296,080	181,124	493	28,302	41,789	203,856	9,100	1,146,343

Table 30.—Estimated Chinook salmon returns to Alaska hatcheries in 2007, including common property harvests, as reported by operators.

Area/Operator/Location		Common Property Harvest					Other	Brood	Cost Recovery Harvest	Escapement	Total
		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence					
Southeast											
SSRAA	Whitman Lake	270	330	3,020	1,560		1,700	1,050	6,000		13,930
	Long Lake			150							150
	Neets Bay		45	445	110				970		1,570
ADF&G	Crystal Lake Hatchery		795	2,660	4,690		110	1,815			10,070
	Anita Bay	4,030	9,350	4,670	340						18,390
	Neets Bay	530	1,090	3,080	1,450				9,330		15,480
NSRAA	Medvejie	1,513	2,308	9,814	2,393	38	1,088	4,589	9,680		31,423
	Hidden Falls	4,496	62	2,087	493		84	2,408	1,029		10,659
AKI	Port Armstrong			153	21		153	526	287		1,140
DIPAC	Macaulay (was Gastineau)	57	304	338	1,750			213	874		3,536
	Skagway Site		153	81	42		449	227			952
KTHC	Deer Mountain Hatchery		25	72	237			78		80	492
SJC	Sitka			39			43	5			87
MIC	Tamgas Creek	200	300	947	600		150	165	1,450		3,812
NOAA	Little Port Walter	137	25	3,077	143		200	2,632			6,214
Southeast Totals		11,233	14,787	30,633	13,829	38	3,977	13,708	29,620	80	117,905
Prince William Sound											
ADF&G	Ship Creek Complex				2,259						2,259
Prince William Sound Totals		0	0	0	2,259	0	0	0	0	0	2,259
Cook Inlet											
ADF&G	Ship Creek Complex										
	Fleming Spit				194						194
	Resurrection Bay				3,074						3,074
	Kachemak Bay		600		3,130						3,730
	Ship Creek				3,161			371		1,219	4,751
	Crooked Creek						178	56		486	720
	Ninilchik River							183		81	264
	Eklutna tailrace				5,258						5,258
	Deception Creek							110		420	530
Cook Inlet Totals		0	600	0	14,817	0	178	720	0	2,206	18,521
Kodiak											
KRAA	Pillar Creek				20		77	83			180
Kodiak Totals		0	0	0	20	0	77	83	0	0	180
Statewide Totals		11,233	15,387	30,633	30,925	38	4,232	14,511	29,620	2,286	138,865

Table 31.—Estimated sockeye salmon returns to Alaska hatcheries in 2007, including common property harvests, as reported by operators.

Area/Operator/Location		Common Property Harvest					Brood	Cost Recovery Harvest	Escapement	Total
		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence				
Southeast										
SSRAA	Burnett Inlet	54	534					14		602
	Neck Lake	70	60					35		165
	Hugh Smith Lake	2,125	5,596						20,364	28,085
DIPAC	Snettisham	19,498	30,073			203	7,071	72,569		129,414
	Sweetheart Lake	2,024	1,994			2,930				6,948
	Stikine River ^a									
	Taku River ^a									
MIC	Tamgas Creek						137	50		187
Southeast Totals		23,771	38,257	0	0	3,133	49	7,208	30,364	165,401
Prince William Sound										
PWSAC	Main Bay	25,551	793,693		500		12,000	8,285	321,095	1,161,124
	Gulkana I and II									
	Paxon Lake		35,808				15,268	20,640	2,000	73,716
	Crosswind Lake		52,770				16,996		5,506	75,272
	Summit Lake		5,654				1,909		502	8,065
Prince William Sound Totals		25,551	887,925	0	500	0	46,173	28,925	8,008	1,318,177
Cook Inlet										
CIAA	Trail Lakes–Bear Creek	12,000			4,000		3,520	7,000	7,000	33,520
	Big Lake		14,000		100		2,514		19,000	35,614
	Hidden Lake						2,620		10,000	12,620
	Leisure/Hazel Lakes	83,802			5,550		536	22,586		112,474
	Tustumena Lake		400,000						135,000	535,000
	Kirschner Lake	7,725						27,719		35,444
Cook Inlet Totals		103,527	414,000	0	9,650	0	536	57,305	171,000	764,672
Kodiak										
KRAA	Kitoi Bay	33,088			115	162		455	1,870	35,690
	Pillar Creek									
	Ruth Lake	2,337					130			2,467
	Spiridon Lake	99,769	71,572				300			171,641
	Foul Bay	703								703
	Waterfall Bay						300			300
Kodiak Totals		135,897	71,572	0	115	162	730	455	1,870	210,801
Statewide Totals		288,746	1,411,754	0	10,265	3,295	47,488	44,787	201,242	2,459,051

^aData not available in time for publication.

Table 32.—Estimated “other” enhanced returns to Alaska hatcheries in 2007, including common property harvests, as reported by operators.

Area/Operator/Location			Species	Commercial	Sport Catch	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
Cook Inlet											
ADF&G	Ship Creek Hatchery Complex	Arctic char			6,503			154			6,657
		Arctic grayling			2,425			129			2,554
		Landlocked salmon			20,556						20,556
		Rainbow trout			63,329			4,543			67,872
Cook Inlet Totals				0	92,813	0	0	4,826	0	0	97,639
Statewide Totals				0	92,813	0	0	4,826	0	0	97,639

Table 33.—Summary of salmon production in 2007 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 and Ocean Sciences	PINK	50,000
Juneau Community Charter School	COHO	500
Juneau Douglas High School	COHO	2 spawning pairs
Petersburg High School	PINK	50,000
Fawn Mountain Elementary (Ketchikan)	COHO	100
Hyder School	CHUM	No permit
Thorne Bay School	COHO	500
Yakutat School	COHO	250
Southcentral		
Abbott Loop Elementary (Anchorage)	COHO	500
Alpenglow Elementary (Eagle River)	COHO	500
Anchorage Lutheran	COHO	500
Aquarian Charter (Anchorage)	COHO	500
Bartlett High School	COHO	500
Baxter Elementary School (Anchorage)	COHO	500
Bayshore Elementary (Anchorage)	COHO	500
Bear Valley Elementary	COHO	500
Big Lake Elementary (Big Lake)	COHO	500
Bowman Elementary	COHO	500
Butte Elementary	COHO	500
Campbell Elementary	COHO	500
Central Middle School	COHO	500
Chinook Elementary	COHO	500
Chugach Optional	COHO	500
Chugiak Elementary	COHO	500
Clark Middle School (Anchorage)	COHO	500
Chapman School (Anchor Point)	COHO	500
College Gate Elementary (Anchorage)	COHO	500
Cook Inlet Academy (Soldotna)	COHO	500
Copper River School	COHO	500
Cottonwood Creek Elementary	COHO	500
Creekside Park Elementary	COHO	500
Denali Elementary (Anchorage)	COHO	500
Eagle Academy	COHO	500
Eagle River Elementary	COHO	500
East High School	COHO	500
Fairview Elementary (Anchorage)	COHO	500
Faith Lutheran	COHO	500
Finger Lake Elementary (Palmer)	COHO	500
Fireweed Secondary	COHO	500
Girdwood Junior High	COHO	500
Glacierview School	COHO	500
Gladys Wood Elementary (Anchorage)	COHO	500
Glenallen Elementary	COHO	500

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Table 33.—Page 2 of 4.

Area/Permittee	Species	Maximum number to be released
Goldenview Middle School	COHO	500
Goose Bay Elementary (Palmer)	COHO	500
Grace Christian	COHO	500
Gruening Middle School	COHO	500
Hanshew Middle School	COHO	500
Herman Hutchens Elementary (Valdez)	CHUM	500
Herman Hutchens Elementary (Valdez)	COHO	500
Homer Flex High School (Homer)	COHO	500
Homer High School	COHO	1000
Homestead Elementary (Eagle River)	COHO	500
Houston High School	COHO	500
Houston Middle School	COHO	500
Huffman Elementary (Anchorage)	COHO	500
Iditarod Elementary	COHO	500
Inlet View Elementary (Anchorage)	COHO	1000
Jesse Lee Home	COHO	500
Kalifornsky Beach Elementary (Soldotna)	COHO	500
Kasuun Elementary (Anchorage)	COHO	500
Kenny Lake School (Kenny Lake)	COHO	500
Kincaid Elementary	COHO	500
King Career Center (Anchorage)	COHO	500
Klatt Elementary (Anchorage)	COHO	500
Lake Hood Elementary (Anchorage)	COHO	500
Lake Otis Elementary	COHO	500
Larson Elementary	COHO	500
McNeil Canyon Elementary	COHO	500
Mears Middle School	COHO	500
Midnight Sun School (Wasilla)	COHO	500
Mirror Lake Middle School (Chugiak)	COHO	500
Moose Pass	COHO	500
MS Correspondence	COHO	500
Mt. Eccles Elementary School	COHO	500
Mt. Spurr Elementary	COHO	500
Mt. View Elementary	COHO	500
Mt. View Elementary (Kenai)	COHO	500
Muldoon Elementary	COHO	500
Nanwalek	COHO	500
Nikiski/North Star Elementary	COHO	500
Ninilchik School	COHO	500
North Star RTC	COHO	500
Northern Lights ABC (Anchorage)	COHO	500
Nunaka Valley Elementary (Anchorage)	COHO	500
Ocean View Elementary (Anchorage)	COHO	500
O'Malley School (Anchorage)	COHO	500
Orion Elementary	COHO	500
Pacific Northern Academy	COHO	500

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Table 33.—Page 3 of 4.

Area/Permittee	Species	Maximum number to be released
Pioneer Peak Elementary School (Palmer)	COHO	500
Polaris K12	COHO	500
Rabbit Creek Elementary (Anchorage)	COHO	500
Ravenwood Elementary	COHO	500
Redoubt Elementary (Soldotna)	COHO	500
Rogers Park Elementary (Anchorage)	COHO	500
SAVE High School (Anchorage)	COHO	500
Sears Elementary (Kenai)	COHO	500
Service High School	COHO	500
Seward Middle	COHO	500
Shaw Elementary	COHO	500
Sherrod Elementary (Palmer)	COHO	500
Skyview Elementary	COHO	500
Snowshoe Elementary	COHO	500
Soldotna High School	COHO	500
South High School	COHO	500
Spring Hill Elementary	COHO	500
Sterling Elementary	COHO	500
Susitna Elementary (Anchorage)	COHO	500
Susan B. English (Seldovia)	COHO	500
Susitna Valley High School	COHO	500
Sutton Elementary (Sutton)	COHO	500
Swanson Elementary (Palmer)	COHO	500
Taku Elementary (Anchorage)	COHO	500
Talkeetna Elementary	COHO	500
Tanaina Elementary (Wasilla)	COHO	500
Teeland Middle School	COHO	500
Trailside Elementary School (Eagle River)	COHO	500
Tudor Elementary (Anchorage)	COHO	500
Tustumena Elementary (Kasilof)	COHO	500
Ursa Minor Elementary	COHO	500
Voznesenka School (Fritz Cove)	COHO	500
Wasilla High School	COHO	500
West Homer Elementary	COHO	500
Williwaw Elementary	COHO	500
Interior		
Arctic Light Elementary (Ft. Wainright)	COHO	500
Badger Road Elementary (Fairbanks)	COHO	500
Ben Eielson Jr.Sr. High School (Eielson AFB)	COHO	500
Delta Junction Elementary	COHO	500
Delta Junction High School	COHO	500
Joy Elementary (Fairbanks)	COHO	500
Ladd Elementary	COHO	500
Nordale Elementary (Fairbanks)	COHO	500
Pearl Creek Elementary (Fairbanks)	COHO	500
St. Mary's School	COHO	500

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Table 33.–Page 4 of 4.

Area/Permittee	Species	Maximum number to be released
Salcha Elementary	COHO	500
Tok School	COHO	500
Tri-Valley School (Healy)	COHO	500
Weller Elementary (Fairbanks)	COHO	500
Whitestone School	COHO	500
Woodriver Elementary (Fairbanks)	COHO	500
Western		
Akhiok School	COHO	500
East Elementary School (Kodiak)	COHO	500
Karluk School	COHO	500
Kodiak Christian School	COHO	500
Kodiak High School	COHO	500
Kodiak Learning Center	COHO	500
Larsen Bay School	COHO	500
Main Elementary (Kodiak)	COHO	500
North Star Elementary (Kodiak)	COHO	500
Old Harbor School	COHO	500
Ouzinkie School	COHO	500
Peterson Elementary School (Kodiak)	COHO	500
Port Lions School	COHO	500
St. Mary's School	COHO	500
Unalaska City School District	COHO	25,000
Arctic-Yukon-Kuskokwim		
Aleknagik School	COHO	500
Alakanuk School	COHO	500
Chaputnguak High School	COHO	500
Eagle Community School	COHO	500
Ekwok School	COHO	500
DRKM School (Kongiganak)	COHO	500
Dot Lake School	COHO	500
Fort Yukon	COHO	500
Igiugig School	COHO	500
Jack Eganty Sr. School	COHO	500
James C. Isabell School	COHO	500
Johnnie John Sr. School	COHO	500
Jimmy Huntington School	CHUM	250
Ket'acik/Aapalluk Memorial School	COHO	500
Kotlik School	COHO	500
Napaaqtuamiut School (Noatak)	COHO	500
Nome Elementary School	COHO	500
Nunapitchuk ATMS	COHO	500
Unalakleet School	COHO	500

Table 34.—Updated pink salmon returns to Alaska hatcheries in 2006, including common property harvest, as reported by operators.

Area/Operator/Location		Common Property Harvest					Cost Recovery				Total
		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Harvest	Escapement	
Southeast											
AKI	Port Armstrong	280,006					38,406	77,465	225,183	10,000	631,060
NSRAA	Medvejie						650	925	572	1,200	3,347
SJC	Sitka	18,657					17,782	1,416	3,605		41,460
Southeast Totals		298,663	0	0	0	0	56,838	79,806	229,360	11,200	675,867
Prince William Sound											
PWSAC	Armin F. Koernig	2,391,723						400,619	2,418,082		5,210,424
	Wally Noerenberg	1,429,468	29,845					200,854	2,404,868		4,065,035
	Cannery Creek	1,319,036						369,066	1,226,946		2,915,048
VFDA	Solomon Gulch	4,840,097			25,000		157,061	191,164	3,775,539	70,721	9,059,582
Prince William Sound Totals		9,980,324	29,845	0	25,000	0	157,061	1,161,703	9,825,435	70,721	21,250,089
Cook Inlet											
PGHC	Port Graham		5,000					27,741	246,781	5,000	284,522
Cook Inlet Totals		0	5,000	0	0	0	0	27,741	246,781	5,000	284,522
Kodiak											
KRAA	Kitoi Bay	1,840,106				1,123	105,748	216,068	2,318,003	10,000	4,491,048
Kodiak Totals		1,840,106	0	0	0	1,123	105,748	216,068	2,318,003	10,000	4,491,048
Statewide Totals		12,119,093	34,845	0	25,000	1,123	319,647	1,485,318	12,619,579	96,921	26,701,526

Table 35.—Updated chum salmon returns to Alaska hatcheries in 2006, 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	Whitman Lake										
	Nakat Inlet (summer)	375,400	130,150								505,550
	Anita Bay (summer)	362,800	354,850	150							717,800
	Kendrick Bay (summer)	647,000	77,900								724,900
	Neets Bay (summer)	162,800	179,800	10,000			73,305	79,595	908,400		1,413,900
	Neets Bay (fall)	7,100	49,100	2,300			22,522	18,378	124,500		223,900
	Nakat Inlet (fall)	8,600	30,200								38,800
NSRAA	Medvejie	1,105,493	643,127	139,291			8,224	38,361	331,849	7,606	2,273,951
	Hidden Falls	1,760,387	1,096				29,537	104,562	289,497		2,185,079
	Haines projects		1,890					2,360		1,472	5,722
DIPAC	Macaulay (Gastineau)	73,835	389,053		2,700		275,544	94,652	1,051,163		1,886,947
	Amalga	78,940	354,592						1,767,409		2,200,941
	Limestone Inlet	6,862	79,794								86,656
	Boat Harbor	23,586	529,894								553,480
KNFC	Gunnuk Creek	31,553		769	50	1,000	18,500	57,395		1,000	110,267
	Southeast Cove	62,264		292			1,630		143,745		207,931
AKI	Port Armstrong	1,512						5,841	208		7,561
SJC	Sitka	17,348	8,562	1,854			1,049	1,037	4,961		34,811
MIC	Tamgas Creek	11,724	55,000				10,500	6,273	10,500		93,997
Southeast Totals		4,737,204	2,885,008	154,656	2,750	1,000	440,811	408,454	4,632,232	10,078	13,272,193
Prince William Sound											
PWSAC	Wally Noerenberg	346,101	306,937		1,000			195,041	830,489		1,679,568
	Pt. Chalmers	440,415									440,415
	Sawmill Bay	105,810							4,526		110,336
Prince William Sound Totals		892,326	306,937	0	1,000	0	0	195,041	830,489	0	2,230,319
Kodiak											
KRAA	Kitoi Bay	176,051				72	9,018	25,488	1,497	400	212,526
Kodiak Totals		176,051				72	9,018	25,488	1,497	400	212,526
Statewide Totals		5,805,581	3,191,945	154,656	3,750	1,072	449,829	628,983	5,464,218	10,478	15,715,038

Table 36.—Updated coho salmon returns to Alaska hatcheries in 2006, 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	390	2,476	6,330	604		682	1,492			11,974
	Anita Bay	2,100	13,319	8,942	436						24,797
	Nakat	71	8,243	7,764	435						16,513
	Neets Bay	887	12,190	40,563	5,691		300	2,000	6,900		68,531
	Burnett Inlet		894	241	90		1,570	1,594			4,389
	Neck Lake	27	4,903	1,635	5,000		4,980		20,045		36,590
	Crystal Lake Hatchery	801		1,374	86		1,591	180			4,032
NSRAA	Medvejie			324	113		6	151			594
	Deer Lake	6,042		38,940	1,829		3,437		37,658		87,906
	Shamrock Cove			5,506	573		443				6,522
	Hidden Falls	1,204	646	70,405	4,637		343	9,178	140,135		226,548
AKI	Port Armstrong			15,434			1,722	3,013	17,735		37,904
KNFC	Gunnuk Creek	39	141	70	35		100	35		118	538
DIPAC	Macaulay (Gastineau)	3	2,455	8,252	2,762		1,188	479	13,187		28,326
KTHC	Deer Mountain	369	530	140	333		841	1,262		325	3,800
SJC	Sitka			3,131			3,744	80	2		6,957
POWHA	Klawock Hatchery	375		12,943	435		4,826	4,570	7,013	6,008	36,170
MIC	Tamgas Creek	5,000	25,000	7,882	125		5,200	1,227	4,500		48,934
Southeast Totals		17,308	70,797	229,876	23,184	0	30,973	25,261	247,175	6,451	651,025
Prince William Sound											
PWSAC	Wally Noerenberg	16,995	97,002		2,500		15,000	2,079			133,576
	Cordova/Whittier/Chenega				43,925						43,925
VFDA	Solomon Gulch	210,382			66,000		754	1,360	16,172	341	295,009
Prince William Sound Totals		227,377	97,002	0	112,425	0	15,754	3,439	16,172	341	472,510
Cook Inlet											
CIAA	Trail Lakes						300	504	600	500	1,904
ADF&G	Ship Creek Complex				8,079			545		1,431	10,055
	Bird Creek				5,889					442	6,331
	Homer Spit				4,450						4,450
	Resurrection Bay				24,206			150			24,356
	Campbell Creek				1,440			38		434	1,912
	Eklutna tailrace				6,104			80			6,184
Cook Inlet Totals		0	0	0	50,168	0	300	1,317	600	2,807	55,192
Kodiak											
KRAA	Kitoi Bay	152,143			527	716	3,970	1,713	16,062		175,131
	Pillar Creek- road system				1,600						1,600
Kodiak Totals		152,143	0	0	2,127	716	3,970	1,713	16,062	0	176,731
Statewide Totals		396,828	167,799	229,876	187,904	716	50,997	31,730	280,009	9,599	1,355,458

Table 37.—Updated Chinook salmon returns to Alaska hatcheries in 2006, including common property harvests, as reported by operators.

Region/Operator/Location		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
Southeast											
SSRAA	Whitman Lake	180	331	2,897	1,671		3,364	564	3,668	200	12,875
	Long Lake	59	57	135	60						311
ADF&G	Crystal Lake Hatchery	110	800	1,555	4,490			2,380			9,335
	Anita Bay	4,900	5,510	2,190	770						13,370
	Neets Bay	940	920	3,340	970				6,060		12,230
NSRAA	Medvejie Creek	409	670	2,605	846	29	743	2,461	3,325		11,088
	Hidden Falls	3,670	120	2,529	581		343	2,054	1,229		10,526
AKI	Port Armstrong			587			70	855	304		1,816
DIPAC	Gastineau	55	488	389	1,060		163	154	193		2,502
	Skagway Site	189	37	5	283		9	36			559
KTHC	Deer Mountain Hatchery	15	26	83	409		11	65		77	686
SJC	Sitka			10			5	19			34
MIC	Tamgas Creek	499	300	847	231		1,914	87	1,714		5,592
NMFS	Little Port Walter	203	87	3,442				2,900			6,632
Southeast Totals		11,229	9,346	20,614	11,371	29	6,622	11,575	16,493	277	87,556
Prince William Sound											
ADF&G	Ship Creek Complex				3,683						3,683
Prince William Sound Totals		0	0	0	3,683	0	0	0	0	0	3,683
Cook Inlet											
ADF&G	Ship Creek Complex										
	Resurrection Bay				3,389						3,389
	Kachemak Bay	58	581		2,092						2,731
	Ship Creek				3,060			294		1,431	4,785
	Fleming Spit				145						145
	Crooked Creek				1,077			57		1,052	2,186
	Ninilchik River							204		204	408
	Eklutna Tailrace				941						941
	Deception Creek							110		1,372	1,482
Cook Inlet Totals		58	581	0	10,704	0	0	665	0	4,059	16,067
Kodiak											
KRAA	Pillar Creek				270	7		123			400
Kodiak Totals		0	0	0	270	7	0	123	0	0	400
Statewide Totals		11,287	9,927	20,614	26,028	36	6,622	12,363	16,493	4,336	107,706

Table 38.—Updated Sockeye salmon returns to Alaska hatcheries in 2006, including common property harvests, as reported by operators.

Area/Operator/Location		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
Southeast											
SSRAA	Burnett Inlet						11				11
	Neck Lake				33		38	47			118
	Hugh Smith Lake	3,995	5,838							27,538	37,371
POWHA	Klawock Hatchery						2,156			12,715	14,871
DIPAC	Snettisham	14,191	179,318			266	5,834	6,146	127,383		333,138
	Sweetheart Lake	684	3,323			3,796					7,803
	Stikine River		41,886			180	55,016			36,664	133,746
	Taku River		2,205			24	678			2,491	5,398
MIC	Tamgas Creek	250	1,000				250	81	250		1,831
Southeast Totals		19,120	233,570	0	33	4,266	63,972	6,274	127,633	79,408	534,287
Prince William Sound											
PWSAC	Main Bay	29,669	639,111		500			15,854	350,742		1,035,876
	Gulkana I and II										
	Paxson Lake		65,476		545	4,229		24,703		3,050	98,003
	Crosswind Lake		90,030		750	5,815				67,008	163,603
	Summit Lake		8,185		68	650				2,431	11,334
Prince William Sound Totals		29,669	802,802	0	1,863	10,694	0	40,557	350,742	72,489	1,308,816
Cook Inlet											
CIAA	Trail Lakes – Bear Lake	22,000			4,000		4	3,260	28,000	7,000	64,264
	Big Lake		2,000		200			3,850		18,000	24,050
	Hidden Lake		10,000		2,000	2,000		2,190		16,000	32,190
	Leisure/Hazel Lakes	75,303			5,550		820		23,282		104,955
	Tustumena Lake		249,000		2,000	24,000				104,000	379,000
	Kirschner Lake	24,130							26,308		50,438
Cook Inlet Totals		121,433	261,000	0	13,750	26,000	824	9,300	77,590	145,000	654,897
Kodiak											
KRAA	Kitoy Bay	23,822			130	141			1,317	4,000	29,410
	Pillar Creek										
	Settler's Cove						443				443
	Spiridon Lake	54,745	34,199								88,944
	Foul Bay	819									819
	Waterfall Bay									300	300
Kodiak Totals		79,386	34,199	0	130	584	0	0	1,317	4,300	119,916
Statewide Totals		249,608	1,331,571	0	15,776	41,544	64,796	56,131	557,282	301,197	2,617,916

Table 39.—Updated “other” enhanced fish returns to Alaska hatcheries in 2006, as reported by operators.

			Commercial	Sport Catch	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
Southeast										
DMTH	Deer Mountain	Steelhead					5		18	23
NMFS	Little Port Walter	Steelhead					643			643
Southeast Totals			0	0	0	0	648	0	18	666
Cook Inlet										
ADF&G	Ship Creek Complex	Arctic char		3,668			100			3,768
	Statewide lakes	Arctic grayling		1,585			205			1,790
		Rainbow trout		39,408			1,194			40,602
		Landlocked Salmon		8,326						8,326
Cook Inlet Totals			0	52,987	0	0	1,499	0	0	54,486
Statewide Totals			0	52,987	0	0	2,147	0	18	55,152

Table 40.—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) 225-2635 (907) 247-8790 (907) 874-2525 (907) 772-4772	(907) 225-1348	Whitman Lake Neets Bay Burnett Inlet Crystal Lake ^a	Jay Creasy Bill Lyden Ron Parsely Loren Thompson	John Burke	johnb@ssraa.org whitman@kpunet.net neetsbay@starband.net burnettinlet@starband.net crystal.lake@starband.net
R NSRAA	1308 Sawmill Cr. Rd	Sitka, AK 99835	(907) 747-6850	(907) 747-1470	Medvejie Creek Hidden Falls ^a Haines Projects	Lon Garrison Scott Wagner Todd Buxton	Pete Esquiro	pete_esquiro@nsraa.org lon_garrison@nsraa.org scott_wagner@nsraa.org todd_buxton@nsraa.org
P DIPAC	2697 Channel Dr.	Juneau, AK 99801	(907) 463-5114 (907) 463-5114 (907) 463-5115 (907) 463-5114	(907) 463-3213	Macaulay Snettisham ^a Sheep Creek	Andrew Ollenberg Kevin Steck	Eric Prestegard	Eric_prestegard@dipac.net andrew_ollenberg@dipac.net kevin_steck@dipac.net
P POWHA	PO Box 554	Craig, AK 99921	(907) 755-2231	(907) 755-2440	Prince of Wales ^a	John Bruns	John Bruns	powha@aptalaska.net
P SJC	801 Lincoln St	Sitka, AK 99835	(907) 747-5254	(907) 747-2987	Sheldon Jackson	Dan Goodness		daniel.goodness@gmail.com
P KNFC	P.O. Box 523	Kake, AK 99830	(907) 785-6460	(907) 785-6475	Gunnuk Creek	John Oliva		gunnukcreek@hughes.net
P AKI	P.O. Box 21990	Juneau, AK 99802	(907) 586-3443 (907) 586-2228	(907) 586-2236	Port Armstrong	Ben Contag	Sam Rabung	aki@ak.net portarmstrong@starband.net
P KTHC	1158 Salmon Rd	Ketchikan, AK 99901	(907) 228-5531	(907) 228-5548	Deer Mountain	Jerry Guthrie		jguthrie@kictribe.com
F NMFS	P.O. Box 21990	Juneau, AK 99802	(907) 789-6055	(907) 789-6094	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		stevell@aptalaska.net
Prince William Sound								
R PWSAC	PO Box 1110	Cordova, AK 99574	(907) 424-7511 (907) 424-7514	(907) 424-7514	AF Koernig W Noerenberg Main Bay ^a Gulkana ^a Cannery Creek ^a	Craig Perry Rob Unger Dave Robertson Gary Martinek Neil Wright	Dave Reggiani	dave.pwsac@ak.net afk.pwsac@ak.net wnh.pwsac@ak.net mbh.pwsac@ak.net gkh.pwsac@ak.net cch.pwsac@ak.net
P VFDA	PO Box 125	Valdez, AK 99686	(907) 835-4874 (907) 835-1329	(907) 835-5951	Solomon Gulch	Ken Morgan	Jason Wells	vfda@cvinternet.net vfda@cvinternet.net
Cook Inlet								
R CIAA	40610 Kalifornsky Beach Rd	Kenai, AK 99611	(907) 283-5761 (907) 288-3688	(907) 283-9433 (907) 288-3663	Trail Lakes ^a Tutka ^a	Tom Prochazka	Gary Fandrei	gfandrei@ciaanet.org tprochazka_thl@ciaanet.org
P PGH	PO Box 5543	Port Graham, AK 99603	(907) 284-2233	(907) 284-2238	Port Graham		Patrick Norman	pnormanvc@hotmail.com
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		darrell.keifer@alaska.gov andrea.tesch@alaska.gov
Kodiak								
R KRAA	PO Box 3407	Kodiak, AK 99615	(907) 486-6555 (907) 486-4730 (907) 486-6559	(907) 486-4105	Pillar Creek ^a Kitoi Bay ^a	Gary Bryne Andrew Aro	Kevin Brennan	kraa@gci.net pch@gci.net kitoi@gci.net

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Table 40.—Page 2 of 2.

Initials	Corporate name	Hatchery	Permit #	PNP permit issued	Species reared	Web Site
Southeast						
SSRAA	Southern Southeast Regional Aquaculture Assoc.	Whitman Lake	8	3/9/78	chum, coho, Chinook	www.ssraa.org
		Neets Bay	19	6/17/83	chum, coho, Chinook	
		Burnett Inlet	40	9/30/97	sockeye, coho	
		Crystal Lake ^a			Chinook, coho	
NSRAA	Northern Southeast Regional Aquaculture Assoc.	Medvejie Creek	16	8/17/81	chum, coho, Chinook, pink	www.nsraa.org
		Hidden Falls ^a	28	6/22/88	chum, Chinook, coho	
		Haines Projects	34	4/29/92	chum, sockeye	
		Sawmill Creek	44	3/11/07	coho	
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 ^a	39	7/15/96	sockeye	
POWHA	Prince of Wales Hatchery Association	Klawock River	38	2/19/96	coho, sockeye, Chinook, steelhead	
		Port Saint Nicholas	43	6/25/04	Chinook	
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	http://gunnukcreekhatchery.org/
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	
NMFS	National Marine Fisheries Service	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, chum	www.pwsac@ak.net
		W Noerenberg	20	6/17/83	pink, chum, Chinook, coho	
		Main Bay ^a	31		sockeye	
		Gulkana ^a	42		sockeye	
		Cannery Creek ^a	26	6/22/88	pink	
VFDA	Valdez Fisheries Development Association	Solomon Gulch	15	6/26/81	pink, coho, Chinook	
Cook Inlet						
CIAA	Cook Inlet Aquaculture Association	Trail Lakes ^a	27	6/22/88	sockeye, coho, Chinook	www.ciaa.net
		Tutka ^a	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	Ship Creek Complex ^b			Chinook, coho, char, grayling, lake & rainbow trout	www.state.ak.us/adfg/adfghome.htm
Kodiak						
KRAA	Kodiak Regional Aquaculture Association	Pillar Creek ^a	41	5/1/98	sockeye, coho, Chinook	www.ptialaska.net/~kraa07/index.html
		Kitoi Bay ^a	29	7/5/88	pink, chum, coho, sockeye	

Codes: R=Regional Aquaculture Association Private Nonprofit (PNP) hatcheries, P=Nonassociation PNP hatchery, F=Federal/BIA hatchery, S=State hatchery

^a State owned hatchery contracted to private sector.

^b Elmendorf and Fort Richardson hatcheries.

Table 41.—Permitted capacity of Alaskan private nonprofit hatcheries in 2007, in millions of eggs.

Region/Operator/Location		Pink	Chum	Combined Pink & Chum	Coho	Chinook	Sockeye	Other	Total
Southeast									
SSRAA	Whitman Lake		44.30		3.40	1.50			49.20
	Neets Bay		84.00		5.00	2.00			91.00
	Burnett Inlet				2.50		2.70		5.20
	Crystal Lake ^a								
NSRAA	Hidden Falls		91.00		6.10	3.80			100.90
	Medvejie Creek	0.30	60.00		0.41	5.20			65.91
	Haines projects		4.80				2.00		6.80
	Sawmill Creek				4.33				4.33
AKI	Port Armstrong ^b	85.00	30.00		5.00	2.00			122.00
DIPAC	Macaulay	50.00	121.00		1.50	0.95			173.45
	Sheep Creek				0.15				0.15
	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		5.00	0.05	10.05
	Port St Nicholas					0.77			0.77
SJC	Sheldon Jackson	1.00	10.00		0.15	0.10		0.02	11.27
Southeast Totals^c		136.30	445.10	65.00	34.17	16.45	43.20	0.12	740.35
Prince William Sound									
PWSAC	Armin F. Koernig	162.00	17.00						179.00
	Wally Noerenberg	148.00	131.00		4.00	4.00			287.00
	Cannery Creek	152.00							152.00
	Main Bay						11.00		11.00
	Gulkana						36.75		36.75
VFDA	Solomon Gulch	230.00			2.00	0.30			232.30
Prince William Sound Totals^c		692.00	148.00	0	6.00	4.30	47.75	0	898.05
Cook Inlet									
PGHC	Port Graham	110.00					1.35		111.35
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		235.00	0	0	6.16	4.00	50.01	0	295.17
Kodiak									
KRAA	Kitoi Bay	215.00	25.00		2.30		0.60		242.90
	Pillar Creek				0.50	0.30	20.00	.07	20.87
Kodiak Totals^c		215.00	25.00	0	2.80	0.30	20.60	.07	263.77
Statewide Totals^c		1,278.30	618.10	65.00	49.13	25.05	161.56	0.19	2,197.33

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

^b Port Armstrong is permitted for a total of 5.0 million Chinook and coho, not to exceed 2.0 million Chinook.

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