

Fishery Management Report No. 12-04

**Alaska Salmon Fisheries Enhancement Program 2011
Annual Report**

by

Lorraine Vercessi



February 2012

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

FISHERY MANAGEMENT REPORT NO. 12-04

**ALASKA SALMON FISHERIES ENHANCEMENT PROGRAM
2011 ANNUAL REPORT**

by

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February 2012

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TABLE OF CONTENTS

	Page
LIST OF TABLES.....	i
LIST OF FIGURES.....	ii
ABSTRACT.....	1
INTRODUCTION.....	1
HIGHLIGHTS IN 2011.....	2
FIGURES AND TABLES.....	5

LIST OF TABLES

Table	Page
1. List of hatchery acronyms used in this report.....	9
2. Estimated egg takes for Alaska hatcheries, by region, in millions, 2011.....	10
3. Estimated juvenile releases from Alaska hatcheries, by region, in millions, 2011.....	10
4. Estimated total returns attributed to Alaska hatcheries (including common property harvest, cost recovery, broodstock, and escapement), by region, 2011.....	10
5. Alaska (preliminary) commercial harvest of hatchery-produced fish, by region, in thousands of fish, 2011.....	11
6. Estimated exvessel value of the total Alaska commercial harvest (preliminary), by region, in thousands of dollars, 2011.....	12
7. Alaska commercial salmon fishery harvest average weights and prices (preliminary), 2011.....	13
8. Eggs taken at Alaska hatcheries in millions, as reported by operators, 2011 (transferred eggs are listed with the receiving hatchery).....	14
9. Alaska hatcheries releases, in millions of fish, as reported by operators, 2011.....	15
10. Estimated returns to Alaska fisheries enhancement projects (including common property harvests), by species, 2011.....	17
11. Projected adult returns, by species, to Alaska fisheries enhancement projects in 2012.....	18
12. Details of the estimated Chinook salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.....	19
13. Details of the estimated sockeye salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.....	20
14. Details of the estimated coho salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.....	21
15. Details of the estimated pink salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.....	22
16. Details of the estimated chum salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.....	23
17. Details of the estimated “other” hatchery-produced returns to Alaska fisheries enhancement projects, as reported by operators, 2011.....	24
18. Summary of anadromous salmon production (all species) from Alaska hatcheries and fisheries enhancement projects.....	25
19. Summary of Chinook salmon production from Alaska hatcheries and fisheries enhancement projects.....	26
20. Summary of sockeye salmon production from Alaska hatcheries and fisheries enhancement projects.....	27
21. Summary of sockeye salmon production from Alaska hatcheries and fisheries enhancement projects.....	28
22. Summary of pink salmon production from Alaska hatcheries and fisheries enhancement projects.....	29
23. Summary of chum salmon production from Alaska hatcheries and fisheries enhancement projects.....	30
24. Summary of commercial harvest of salmon from Alaska fisheries enhancement projects, in thousands of fish.....	31

LIST OF TABLES (Continued)

Table	Page
25. Summary of salmon production in 2011 from Fish Resource Permits issued by the Alaska Department of Fish and Game.	32
26. Updated Chinook salmon returns to Alaska hatcheries in 2010, including common property harvests, as reported by operators.	36
27. Updated sockeye salmon returns to Alaska hatcheries in 2010, including common property harvests, as reported by operators.	37
28. Updated coho salmon returns to Alaska hatcheries in 2010, including common property harvests, as reported by operators.	38
29. Updated pink salmon returns to Alaska hatcheries in 2010, including common property harvest, as reported by operators.	39
30. Updated chum salmon returns to Alaska hatcheries in 2010, including common property harvests, as reported by operators.	40
31. Updated “other” hatchery-produced returns to Alaska hatcheries in 2010, as reported by operators.	41
32. Actively operated Alaska hatcheries.	42
33. Alaska hatcheries and hatchery permits.	43
34. Permitted capacity of Alaska private nonprofit hatcheries, in millions of eggs, 2011.	44
35. Salmon fisheries enhancement program timeline of events.	45

LIST OF FIGURES

Figure	Page
1. Total egg takes and juvenile releases in the Alaska salmon hatchery program, 1977 to 2011.	6
2. Total returns in the Alaska salmon hatchery program, 1977 to 2011.	6
3. Alaska salmon hatchery returns by species in 2011.	7
4. Alaska commercial harvest of wild and hatchery-produced salmon returns in 2011.	7
5. Locations of hatcheries in Alaska.	8

ABSTRACT

The state of Alaska initiated its salmon fisheries enhancement program in response to depressed commercial salmon fisheries, to meet the public need in fisheries. The Alaska Department of Fish and Game oversees and regulates all state and private sector salmon fisheries enhancement and rehabilitation projects. Pathology, genetic, coded wire tag, and otolith processing laboratories are maintained to provide inseason information to Alaska Department of Fish and Game fishery managers and technical expertise to the private sector. 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 hatchery, take or transfer eggs or fish, or release any fish into Alaska waters.

In 2011, hatchery operators collected nearly 2 billion eggs and released over 1.5 billion juvenile fish. Over 48 million hatchery-propagated salmon returned with the majority (28 million) being pink salmon produced by hatcheries in Prince William Sound. Approximately 33 million fish, or 20% of the commercial common property harvest, were produced by the Alaska salmon hatcheries. About 12 million salmon were harvested in hatchery cost recovery fisheries. The preliminary total statewide commercial salmon harvest was near 177 million fish and an estimated 165 million salmon were harvested in the commercial common property fishery. The return of hatchery-propagated salmon provided an estimated \$109 million, or 18%, of the exvessel value of the statewide commercial common property harvest.

Key words: Alaska salmon fisheries enhancement, salmon hatchery, annual report, private nonprofit corporation, Southeast Alaska, Prince William Sound, Cook Inlet, Kodiak, egg take, cost recovery, Chinook, pink, chum, coho, sockeye

INTRODUCTION

When state management of Alaska's salmon fisheries began in 1960, salmon abundance was historically low, primarily due to overfishing. In time, it was realized that effective fisheries management alone was not increasing abundance. In response to the historically low commercial salmon fishery harvests and the resulting economic loss, the State of Alaska initiated its salmon fisheries enhancement program. In 1971, the newly created Division of Fisheries Rehabilitation, Enhancement and Development (FRED) was charged with planning the rehabilitation, enhancement, and development of all aspects of the state's fisheries, to insure perpetual and increasing production and use, and encourage investment by private enterprise. The state's approach was to promote resource conservation by limited entry fishing beginning in 1973 followed by the creation of the private nonprofit (PNP) hatchery program in 1974. The state's goal was to meet the public need in fisheries by conserving wild stock salmon while still contributing to the harvest by increasing salmon abundance through hatchery methods.

In 1993, the Alaska Department of Fish and Game (ADF&G) FRED Division merged with the Division of Commercial Fisheries, which continues to oversee and regulate all state and private sector salmon fisheries enhancement and rehabilitation projects. Alaska has benefited from the robust hatchery program with sustainable, healthy, well-managed salmon stocks. The success of this program is attributable to the development of statutes, regulations, and policies that require hatcheries to be located away from important natural salmon stocks, the use of local broodstock sources, priorities in fisheries management that provide protection for naturally occurring stocks, and constant vigilance on the part of ADF&G and hatchery operators to improve the program through ongoing analysis of hatchery performance. Pathology, genetic, coded wire tag, and otolith processing laboratories are maintained to provide inseason information to ADF&G fishery managers and technical expertise to the private sector.

Protection of Alaska's natural salmon stocks requires stringent permitting processes. Before permitting the construction and/or operation of a private nonprofit salmon hatchery in Alaska an

extensive review of the proposed hatchery, including the suitability of the proposed site, the hatchery design, the effects on fisheries, and the potential effects on natural salmon stocks, is conducted and presented at a public hearing. Geneticists, pathologists, and biologists review all projects prior to the issuance of a permit to operate a salmon hatchery, take or transfer eggs or fish, or release any fish into Alaska waters.

Currently, Alaska salmon fisheries enhancement projects are implemented by the following active facilities:

- 18 PNP corporation owned and operated hatcheries.
- 11 state owned hatcheries contracted to PNP operators.
- 3 federal or Bureau of Indian Affairs hatcheries.
- 3 state owned and operated hatcheries.
- Streamside incubation projects.

All returning adult fish are available for harvest in Alaska's common property fisheries (CPF) open to the public (commercial, sport, personal use, and subsistence). PNP hatcheries produce fish primarily for commercial common property harvest (CPH), as well as for harvest by the hatchery to pay for operations (called cost-recovery fisheries). The ADF&G Division of Sport Fish operates 3 hatcheries that primarily produce salmonid species intended for both salt and freshwater recreational fisheries at many locations along the coast and in numerous interior lakes. Federal hatcheries, in general, are lower production facilities that focus on research. Streamside incubation projects enhance stocks of fish inexpensively.

Hatchery operators provide annual reports of egg takes, releases, and adult returns. According to these reports, egg takes have increased over the last few years while releases have remained stable (Figure 1). Juvenile fish releases from the recent increased egg takes will also show an increasing trend in the next few years. Permitted fisheries enhancement programs are generally operating at planned capacities. Prince William Sound and Southeast Alaska are areas in the state with the greatest amount of salmon fisheries enhancement activity and pink and chum salmon are the predominant species produced. The Cook Inlet and Kodiak areas also have significant fisheries enhancement programs.

Hatchery acronyms used in this publication are listed in Table 1, and Alaska hatcheries production and fisheries enhancement data is provided in Tables 2–35.

HIGHLIGHTS IN 2011

- The total permitted production capacity for PNP hatchery programs increased in 2011 by about 67 million and now totals 2.35 billion green salmon eggs.
- The Alaska salmon fisheries enhancement program return was estimated at over 48 million fish (Figure 2) in 2011. The majority of the return was an estimated 28 million hatchery-produced pink salmon in Prince William Sound. The next largest return was nearly 10 million chum salmon produced by hatcheries in Southeast Alaska.
- Pink and chum salmon dominated the adult returns of the 5 species of hatchery-produced salmon (Figure 3).

- Statewide, the fisheries enhancement program is accredited for contributing 53% of the chum, 26% of the coho, 21% of the pink, 16% of the Chinook, and 6% of the sockeye salmon to the commercial CPH.
- The preliminary total statewide commercial salmon harvest was 177 million fish (Figure 4), with an estimated exvessel value of \$609 million. An estimated 45 million hatchery-produced salmon were harvested commercially, with 33 million harvested in the commercial common property fishery (CPF) with a preliminary exvessel value of \$109 million. Compared to 2010, the total commercial harvest exvessel value for salmon increased.
- Statewide, approximately 18% of the total exvessel value of the commercial CPH of salmon is attributed to the fisheries enhancement program. By species, this accounts for 45% of the chum, 24% of the coho, 19% of the pink, 16% of the Chinook, and 9% of sockeye salmon exvessel value.
- An estimated 3 million hatchery-produced salmon were harvested among personal use, sport, and subsistence fisheries and used by hatcheries for broodstock. Statewide, sport anglers harvested an estimated 322,661 hatchery-produced fish represented by 8 species (Chinook, coho, pink, chum, and sockeye salmon; rainbow trout; arctic char; and arctic grayling).
- In 2012, over 54 million hatchery-produced fish are projected to return to Alaska.

The following is a summary by area. Alaska hatchery locations are shown in Figure 5.

Southeast: Returning hatchery-produced salmon accounted for 10% of the salmon in the commercial CPF; 75% of the chum, 29% of the coho, 22% of the Chinook, 13% of the sockeye, and 1% of the pink salmon can be attributed to fisheries enhancement projects. The harvest of hatchery-produced salmon contributed an estimated \$43 million, or 21%, of the exvessel value of salmon in the commercial CPF harvest.

Prince William Sound: An estimated 24 million salmon returned from hatchery releases, accounting for an estimated 73% of the total number of salmon in the commercial CPH; 84% of the chum, 75% of the pink, 50% of the sockeye, and 50% of the coho salmon in the commercial CPH were hatchery-produced. In addition, hatchery-produced salmon contributed an estimated \$59 million, or 57%, of the exvessel value of salmon in the commercial CPH.

Cook Inlet: The fisheries enhancement program accounted for approximately 2% of the sockeye salmon in the commercial CPH and contributed an estimated \$915,000, or 2%, of the exvessel value of salmon in the commercial CPH.

Kodiak: Hatcheries in the salmon fisheries enhancement program accounted for 7% of the total number of salmon in the commercial CPH; 37% of the chum, 34% of the coho, 21% of the sockeye, and 4% of the pink salmon in the commercial CPH were hatchery-produced. Additionally, the fisheries enhancement program contributed an estimated \$6 million, or 14%, of the exvessel value of salmon in the commercial CPH.

FIGURES AND TABLES

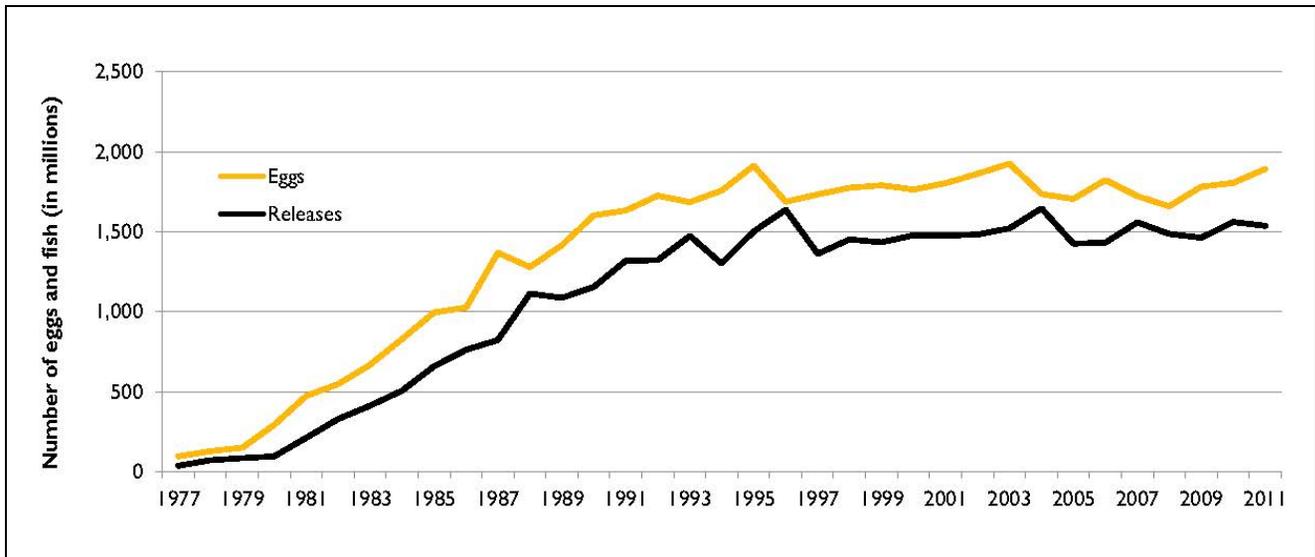


Figure 1.—Total egg takes and juvenile releases in the Alaska salmon hatchery program, 1977 to 2011.

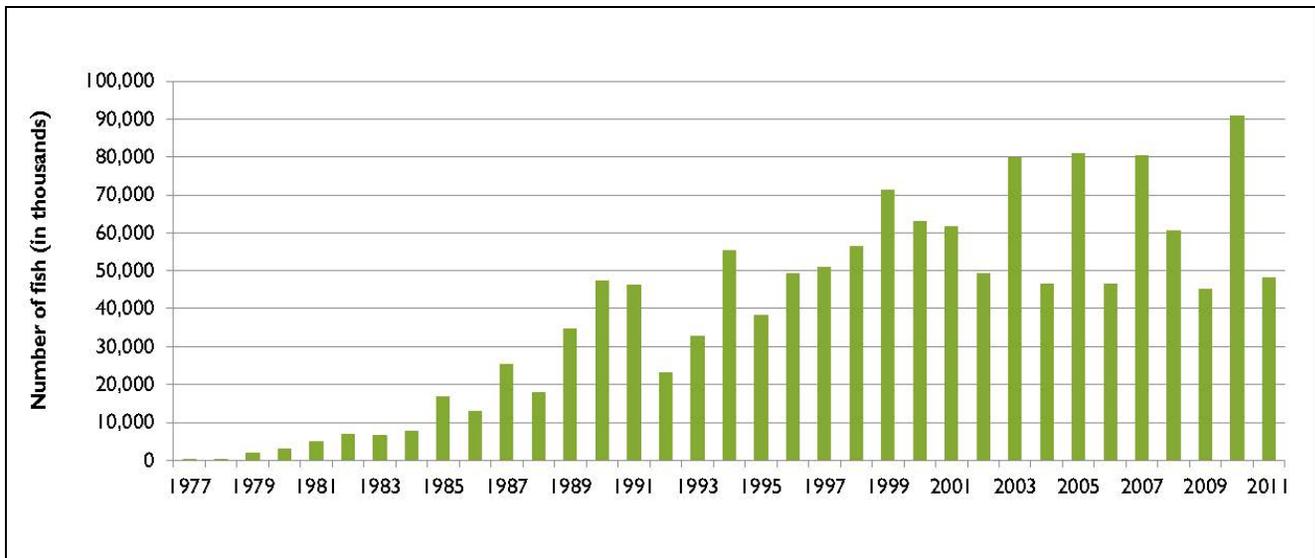


Figure 2.—Total returns in the Alaska salmon hatchery program, 1977 to 2011.

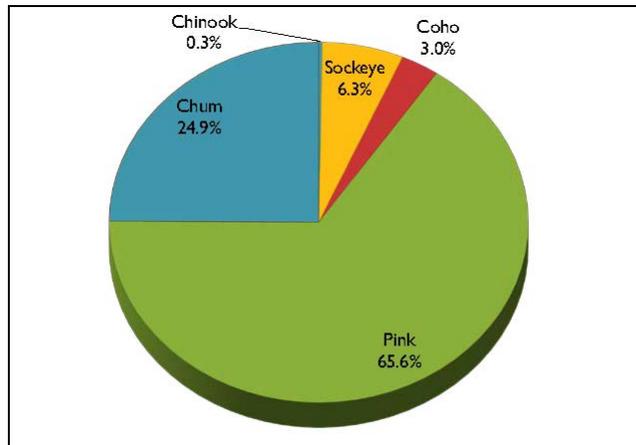


Figure 3.—Alaska salmon hatchery returns by species in 2011.

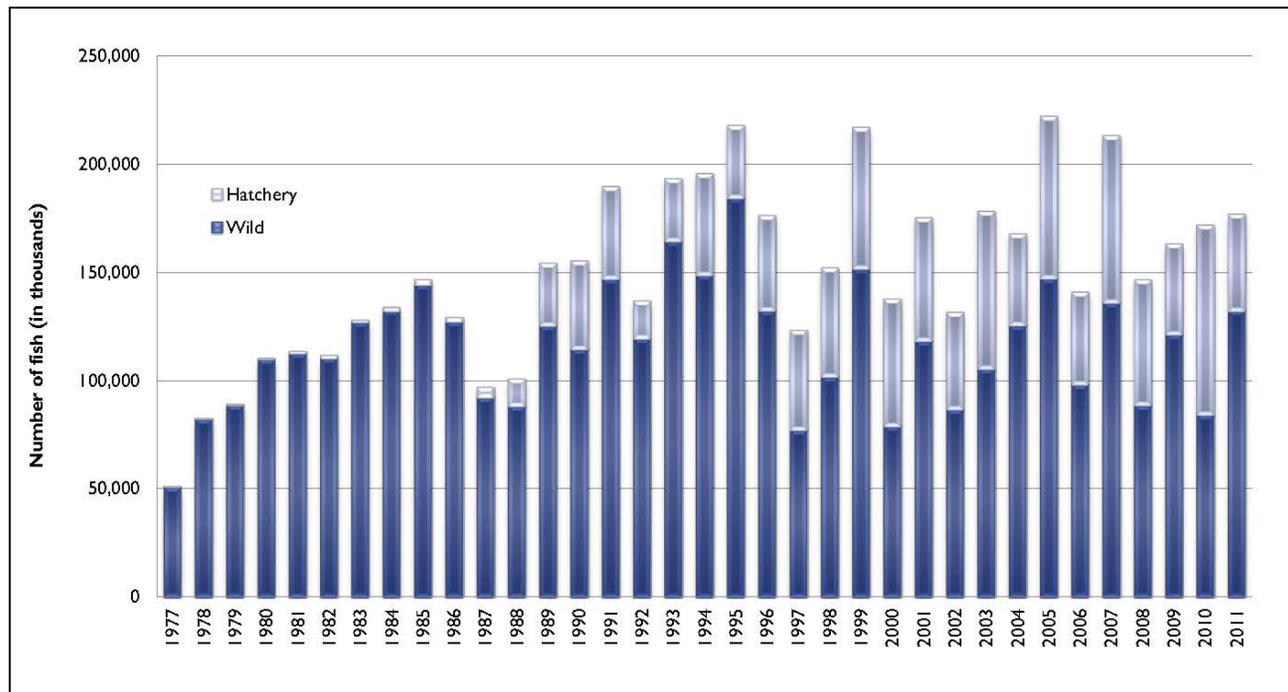


Figure 4.—Alaska commercial harvest of wild and hatchery-produced salmon returns in 2011.

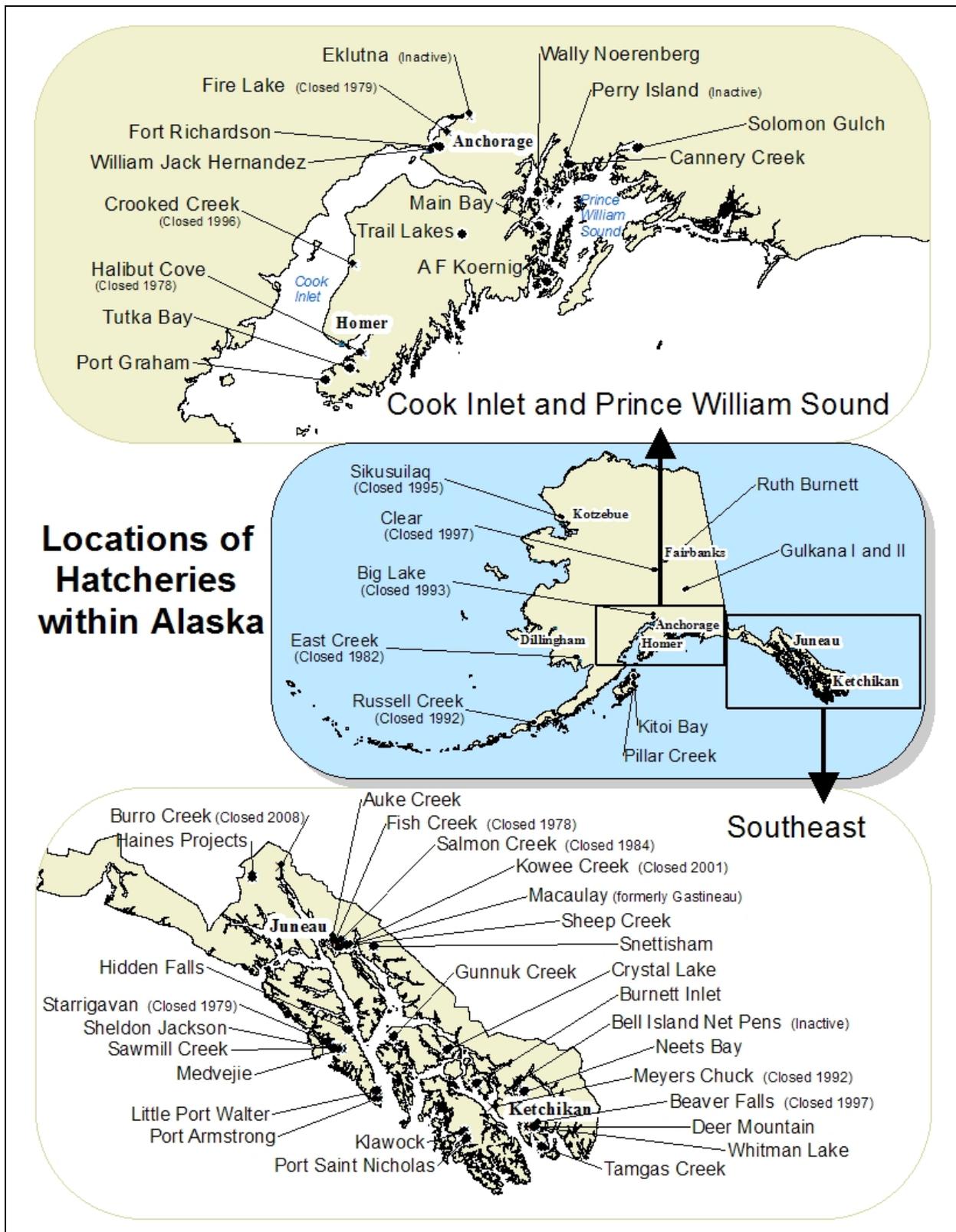


Figure 5.—Locations of hatcheries in Alaska.

Table 1.–List of hatchery acronyms used in this report.

Acronym	Organization
ADF&G	Alaska Department of Fish and Game
AKI	Armstrong-Keta, Inc.
CIAA	Cook Inlet Aquaculture Association
DIPAC	Douglas Island Pink and Chum, Inc.
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
POWHA	Prince of Wales Hatchery Association
PWSAC	Prince William Sound Aquaculture Corporation
SSSC	Sitka Sound Science Center
SSRAA	Southern Southeast Regional Aquaculture Association
VFDA	Valdez Fisheries Development Association

Table 2.—Estimated egg takes for Alaska hatcheries, by region, in millions, 2011.

Area	Chinook	Sockeye	Coho	Pink	Chum	Other	Total
Southeast	10.42	20.95	28.35	106.49	541.63	0.00	707.82
Prince William Sound	0.05	48.55	6.03	731.14	165.00	0.00	950.77
Cook Inlet	2.48	12.98	2.20	13.65	0.00	2.36	33.67
Kodiak/Alaska Peninsula	0.21	4.59	2.56	170.87	25.50	0.09	203.82
Totals ^a	13.16	87.07	39.14	1,022.15	732.12	2.45	1,896.08

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

Table 3.—Estimated juvenile releases from Alaska hatcheries, by region, in millions, 2011.

Area	Chinook	Sockeye	Coho	Pink	Chum	Other	Total
Southeast	6.65	13.30	21.43	94.75	404.49	0.00	540.61
Prince William Sound	0.00	30.66	5.59	641.60	139.50	0.00	817.35
Cook Inlet	1.69	6.84	1.49	0.00	0.00	1.00	11.01
Kodiak/Alaska Peninsula	0.06	3.27	1.23	146.46	19.41	0.07	170.49
Totals ^a	8.40	54.06	29.74	882.81	563.40	1.07	1,539.47

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

Table 4.—Estimated total returns attributed to Alaska hatcheries (including common property harvest, cost recovery, broodstock, and escapement), by region, 2011.

Area	Chinook	Sockeye	Coho	Pink	Chum	Other	Total
Southeast	123,196	190,763	1,019,916	1,539,641	9,828,873	0	12,702,389
Prince William Sound	2,496	2,008,337	290,547	27,556,385	1,818,159	0	31,675,924
Cook Inlet	5,469	325,662	35,558	0	0	46,776	413,465
Kodiak/Alaska Peninsula	1,953	499,456	79,359	2,527,304	365,530	0	3,473,602
Totals ^a	133,114	3,024,218	1,425,380	31,623,330	12,012,562	46,776	48,265,380

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

Table 5.—Alaska (preliminary) commercial harvest of hatchery-produced fish, by region, in thousands of fish, 2011.

Area	Harvest ^a	Chinook	Sockeye	Coho	Pink	Chum	Total
Southeast	Total commercial harvest	346	1,243	2,269	59,071	10,702	73,631
	Cost recovery harvest	35	25	292	627	3,621	4,599
	CCPH ^b	311	1,218	1,977	58,444	7,081	69,032
	Hatchery-produced fish in CCPH	68	155	575	713	5,315	6,827
	% of hatchery-produced fish in CCPH	21.8%	12.7%	29.1%	1.2%	75.1%	9.9%
Prince William Sound	Total commercial harvest	20	3,541	371	33,356	1,910	39,198
	Cost recovery harvest	0	0	45	5,320	318	5,683
	CCPH	20	3,541	326	28,036	1,592	33,515
	Hatchery-produced fish in CCPH	0	1,757	162	21,042	1,332	24,293
	% of hatchery-produced fish in CCPH	0.0%	49.6%	49.7%	75.1%	83.7%	72.5%
Cook Inlet	Total commercial harvest	11	5,670	97	396	161	6,335
	Cost recovery harvest	0	160	0	0	0	160
	CCPH	11	5,510	97	396	161	6,176
	Hatchery-produced fish in CCPH	0	94	0	0	0	94
	% of hatchery-produced fish in CCPH	0.0%	1.7%	0.0%	0.0%	0.0%	1.5%
Kodiak	Total commercial harvest	19	2,269	190	16,649	825	19,952
	Cost recovery harvest	0	32	7	1,642	29	1,710
	CCPH	19	2,237	183	15,007	796	18,242
	Hatchery-produced fish in CCPH	0	460	63	533	292	1,347
	% of hatchery-produced fish in CCPH	0.0%	20.5%	34.4%	3.5%	36.7%	7.4%
Chignik/Aleutian Islands/Alaska Peninsula	Total commercial harvest	16	5,344	249	6,383	1,543	13,535
	Hatchery-produced fish in CCPH	0	0	0	0	0	0
Bristol Bay	% of hatchery-produced fish in CCPH	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total commercial harvest	38	21,880	14	0	739	22,671
	Hatchery-produced fish in CCPH	0	0	0	0	0	0
Arctic-Yukon-Kuskokwim	% of hatchery-produced fish in CCPH	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total commercial harvest	18	77	255	7	1,125	1,482
	Hatchery-produced fish in CCPH	0	0	0	0	0	0
Total ^c	% of hatchery-produced fish in CCPH	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total commercial harvest	468	40,024	3,445	115,862	17,005	176,804
	Cost recovery harvest	35	217	344	7,589	3,968	12,153
	CCPH	433	39,807	3,101	108,273	13,037	164,652
	Hatchery-produced fish in CCPH	68	2,466	800	22,288	6,939	32,561
	% of hatchery-produced fish in CCPH	15.6%	6.2%	25.8%	20.6%	53.2%	19.8%

Source: Commercial harvest, Alaska Department of Fish and Game, <http://www.adfg.alaska.gov/FedAidPDFs/SP12-01.pdf>. Accessed February 22, 2012.

^a Total commercial harvest by all commercial gear types, including fish harvested for cost recovery.

^b CCPH = commercial common property harvest.

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

Table 6.—Estimated exvessel value of the total Alaska commercial harvest (preliminary), by region, in thousands of dollars, 2011.

Area	Harvest ^a	Chinook	Sockeye	Coho	Pink	Chum	Total
Southeast	Value of total commercial harvest	\$17,810	\$11,518	\$17,342	\$92,357	\$66,413	\$205,439
	Value of hatchery-produced fish in CCPH ^b	\$3,484	\$1,439	\$4,397	\$1,115	\$32,983	\$43,418
	% value of hatchery-produced fish in CCPH	20%	12%	25%	1%	50%	21%
Prince William Sound	Value of total commercial harvest	\$2,123	\$38,173	\$2,329	\$48,353	\$11,907	\$102,884
	Value of hatchery-produced fish in CCPH	\$0	\$18,941	\$1,018	\$30,502	\$8,303	\$58,764
	% value of hatchery-produced fish in CCPH	0%	50%	44%	63%	70%	57%
Cook Inlet	Value of total commercial harvest	\$563	\$55,131	\$430	\$455	\$884	\$57,463
	Value of hatchery-produced fish in CCPH	\$0	\$915	\$0	\$0	\$0	\$915
	% value of hatchery-produced fish in CCPH	0%	2%	0%	0%	0%	2%
Kodiak	Value of total commercial harvest	\$218	\$20,349	\$840	\$21,844	\$3,422	\$46,673
	Value of hatchery-produced fish in CCPH	\$0	\$4,122	\$278	\$699	\$1,211	\$6,310
	% value of hatchery-produced fish in CCPH	0%	20%	33%	3%	35%	14%
Chignik/Aleutian Islands/ Alaska Peninsula	Value of total commercial harvest	\$194	\$37,629	\$877	\$7,548	\$4,846	\$51,094
	Value of hatchery-produced fish in CCPH	\$0	\$0	\$0	\$0	\$0	\$0
	% value of hatchery-produced fish in CCPH	0%	0%	0%	0%	0%	0%
Bristol Bay	Value of total commercial harvest	\$432	\$135,656	\$38	\$0	\$1,604	\$137,730
	Value of hatchery-produced fish in CCPH	\$0	\$0	\$0	\$0	\$0	\$0
	% value of hatchery-produced fish in CCPH	0%	0%	0%	\$0	0%	0%
Arctic-Yukon-Kuskokwim	Value of total commercial harvest	\$197	\$430	\$1,859	\$6	\$5,319	\$7,811
	Value of hatchery-produced fish in CCPH	\$0	\$0	\$0	\$0	\$0	\$0
	% value of hatchery-produced fish in CCPH	0%	0%	0%	0%	0%	0%
Total ^c	Value of total commercial harvest	\$21,536	\$298,885	\$23,715	\$170,563	\$94,395	\$609,093
	Value of hatchery-produced fish in CCPH	\$3,484	\$25,417	\$5,693	\$32,316	\$42,498	\$109,408
	% value of hatchery-produced fish in CCPH	16%	9%	24%	19%	45%	18%

Sources: Alaska Department of Fish and Game; Commercial harvest, <http://www.adfg.alaska.gov/FedAidPDFs/SP12-01.pdf>; estimated exvessel values, <http://www.adfg.alaska.gov/static/fishing/PDFs/commercial/11exvesl.pdf>. Both web pages accessed February 22, 2012.

^a Total commercial harvest by all commercial gear types, including fish harvested for cost recovery.

^b CCPH = Commercial common property harvest.

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

Table 7.—Alaska commercial salmon fishery harvest average weights and prices (preliminary), 2011.

Area	Species	Harvest Average	
		Weight (lb)	Price/lb
Southeast			
	Chinook	13.54	\$3.80
	Sockeye	6.07	\$1.53
	Coho	6.00	\$1.27
	Pink	3.70	\$0.42
	Chum	7.62	\$0.81
Prince William Sound			
	Chinook	19.91	\$5.33
	Sockeye	6.12	\$1.76
	Coho	7.19	\$0.87
	Pink	3.04	\$0.48
	Chum	7.40	\$0.84
Cook Inlet			
	Chinook	17.97	\$2.82
	Sockeye	6.40	\$1.52
	Coho	5.90	\$0.75
	Pink	2.90	\$0.40
	Chum	6.87	\$0.80
Kodiak			
	Chinook	9.40	\$1.22
	Sockeye	5.90	\$1.52
	Coho	6.70	\$0.66
	Pink	3.20	\$0.41
	Chum	6.80	\$0.61
Chignik/Aleutian Islands/Alaska Peninsula			
	Chinook	12.22	\$0.93
	Sockeye	6.53	\$1.06
	Coho	6.49	\$0.55
	Pink	3.24	\$0.36
	Chum	6.80	\$0.48
Bristol Bay			
	Chinook	13.00	\$0.86
	Sockeye	6.20	\$1.00
	Coho	6.80	\$0.40
	Pink	3.20	\$0.10
	Chum	7.00	\$0.31
Arctic-Yukon-Kuskokwim			
	Chinook	10.87	\$2.95
	Sockeye	6.71	\$0.95
	Coho	7.07	\$1.15
	Pink	3.39	\$0.25
	Chum	7.10	\$0.65

Source: Alaska Department of Fish and Game website, <http://www.adfg.alaska.gov/static/fishing/PDFs/commercial/11exvesl.pdf>. Accessed February 22, 2102.

Table 8.—Eggs taken at Alaska hatcheries in millions, as reported by operators, 2011 (transferred eggs are listed with the receiving hatchery).

Area/Operator/Location		Chinook	Sockeye	Coho	Pink	Chum	Other	Total
Southeast								
SSRAA	Whitman Lake	1.17		6.27		42.92		50.36
	Neets Bay					92.18		92.18
	Burnett Inlet			2.44		22.65		25.09
	Crystal Lake	2.40		0.22				2.62
NSRAA	Hidden Falls	0.88		7.90		101.01		109.79
	Medvejie Creek	3.21		0.27	0.38	67.06		70.92
	Haines projects					3.61		3.61
AKI	Port Armstrong	0.43		2.68	85.87	30.14		119.12
DIPAC	Macaulay	0.71		0.55		125.80		127.06
	Snettisham		20.57					20.57
KTHC	Deer Mountain	0.15		0.14				0.29
KNFC	Gunnuk Creek			0.51	17.00	30.36		47.87
POWHA	Klawock			4.33				4.33
	Port Saint Nicholas	0.32						0.32
SSSC	Sheldon Jackson			0.27	3.24	8.80		12.31
MIC ^a	Tamgas Creek	0.65	0.38	2.77		17.10		20.90
NMFS ^a	Little Port Walter	0.50						0.50
Southeast Totals ^b		10.42	20.95	28.35	106.49	541.63	0.00	707.82
Prince William Sound								
PWSAC	Armin F. Koernig				162.00	34.00		196.00
	Wally Noerenberg	0.05		4.00	148.00	131.00		283.05
	Cannery Creek				185.00			185.00
	Main Bay		12.10					12.10
	Gulkana		36.45					36.45
VFDA	Solomon Gulch			2.03	236.14			238.17
Prince William Sound Totals ^b		0.05	48.55	6.03	731.14	165.00	0.00	950.77
Cook Inlet								
CIAA	Trail Lakes		12.98	0.58				13.56
	Tutka				13.65			13.65
ADF&G ^a	Ship Creek Complex ^c	2.48		1.62			2.36	6.46
Cook Inlet Totals ^b		2.48	12.98	2.20	13.65	0.00	2.36	33.67
Kodiak								
KRAA	Kitoi Bay		0.70	2.36	170.87	25.50		199.43
	Pillar Creek	0.21	3.89	0.20			0.09	4.36
Kodiak Totals ^b		0.21	4.59	2.56	170.87	25.50	0.09	203.82
Statewide Totals ^b		13.16	87.07	39.14	1,022.15	732.12	2.45	1896.08

^a Not PNP hatcheries.

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

^c Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 9.—Alaska hatcheries releases, in millions of fish, as reported by operators, 2011.

Area/Operator/Location		Chinook	Sockeye	Coho	Pink	Chum	Other	Total	
Southeast									
SSRAA	Whitman Lake	0.74		0.30				1.04	
	Kendrick Bay					20.15		20.15	
	Nakat Inlet			0.30		8.43		8.73	
	Anita Bay			0.22		4.40		4.62	
	Neets Bay	0.24		0.61				0.85	
	Bakewell Lake			1.01				1.01	
	Neets Bay			2.50		62.09		64.59	
	Anita Bay					18.55		18.55	
	Burnett Inlet			0.22				0.22	
	McDonald Lake		0.32					0.32	
	Neck Lake			1.80				1.80	
	Neets Bay			0.19				0.19	
	Crystal Lake	0.72		0.19				0.90	
	Neets Bay	0.47						0.47	
	Anita Bay	0.46						0.46	
	NSRAA	Hidden Falls	0.60		3.19		37.63		41.41
		Takatz Bay					38.81		38.81
		Deer Lake			0.66				0.66
		Medvejie							
Deep Inlet				0.16		42.21		42.37	
Bear Cove		0.85		0.06	0.30	9.95		11.15	
Green Lake		0.85						0.85	
Haines Projects						3.44		3.44	
AKI		Port Armstrong	0.25		2.28	75.51	28.45		106.48
		DIPAC	Macaulay	0.19		0.35		10.65	
Sheep Creek						21.94		21.94	
Amalga Harbor						43.42		43.42	
Boat Harbor						10.86		10.86	
Limestone Inlet						13.69		13.69	
Skagway	0.13							0.13	
Lutak Inlet	0.09							0.09	
Fish Cr/Auke	0.32							0.32	
Snettisham			8.36					8.36	
Sweetheart Lake			0.54					0.54	
Tahltan/Tuya Lakes			2.47					2.47	
Tatsamenie Lake			1.60					1.60	
KTHC	Deer Mountain	0.002		0.11				0.11	
KNFC	Gunnuk Creek			0.12	0.28			0.41	
	SE Cove/Kake SHA				17.96	15.01		32.96	
POWH	Klawock			4.55				4.55	
	Port Saint Nicholas	0.15						0.15	
	Coffman Cove	0.14						0.14	
SSSC	Sheldon Jackson	0.01			0.70	0.72		1.43	
	Deep Inlet					8.54		8.54	
MIC ^a	Tamgas Creek	0.25		2.64		5.56		8.46	
NMFS ^a	Little Port Walter	0.19						0.19	
Southeast Totals ^b		6.65	13.30	21.43	94.75	404.5	0.00	540.61	

-continued-

Table 9. –Page 2 of 2.

Area/Operator/Location		Chinook	Sockeye	Coho	Pink	Chum	Other	Total	
Prince William Sound									
PWSAC	Armin F. Koernig				148.00	30.50		178.50	
	Wally Noerenberg			3.23	136.00	69.00		208.23	
	Port Chalmers					40.00		40.00	
	Whittier			0.10				0.10	
	Cordova			0.10				0.10	
	Chenega			0.05				0.05	
	Gulkana I and II								
	Paxson Lake		6.00					6.00	
	Crosswind Lake		10.00					10.00	
	Summit Lake		5.98					5.98	
Cannery Creek					135.00		135.00		
Main Bay			8.68				8.68		
VFDA	Solomon Gulch			2.11	222.60			224.71	
Prince William Sound Totals ^b		0.00	30.66	5.59	641.60	139.50	0.00	817.35	
Cook Inlet									
CIAA	Trail Lakes								
	Bear Lake		2.49	0.44				2.93	
	Hazel Lake		0.20					0.20	
	Hidden Lake		1.24					1.24	
	Kirshner Lake		1.04					1.04	
	Leisure Lake		0.16					0.16	
	Resurrection Bay		1.42					1.42	
	Tutka Bay		0.28					0.28	
ADF&G ^a	Ship Creek Complex ^c	1.69		1.05			1.00	3.74	
Cook Inlet Totals ^b		1.69	6.84	1.49	0.00	0.00	1.00	11.01	
Kodiak									
KRAA	Kitoi Bay			1.05	146.46	19.41		166.92	
	Little Kitoi			0.53				0.53	
	Pillar Creek				0.05			0.05	
	Abercrombie Lake				0.004			0.004	
	American River		0.01					0.01	
	Barry Lagoon				0.03			0.03	
	Crescent Lake			0.14				0.14	
	Dark Lake				0.01			0.01	
	Hidden Lake			0.25				0.25	
	Island Lake				0.02			0.02	
	Jennifer Lake			0.16				0.16	
	Kodiak Road						0.07	0.07	
	Little Waterfall			0.05				0.05	
	Mayflower Lake				0.01			0.01	
	Mission Lake				0.01			0.01	
	Monashka River		0.04		0.05			0.08	
	Olds River		0.01					0.01	
	Potato Lake				0.01			0.01	
	Ruth Lake			0.15				0.15	
Spiridon Lake			2.00				2.00		
Kodiak Totals ^b		0.06	3.27	1.23	146.46	19.41	0.07	170.49	
Statewide Totals ^b		8.40	54.06	29.74	882.81	563.40	1.07	1539.47	

^a Not PNP hatcheries.

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

^c Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 10.—Estimated returns to Alaska fisheries enhancement projects (including common property harvests), by species, 2011.

Area/Operator/Location		Chinook	Sockeye	Coho	Pink	Chum	Other	Total
Southeast								
SSRAA	Whitman Lake	27,905		56,461		1,464,231		1,548,597
	Neets Bay	14,276		52,729		2,931,754		2,998,759
	Burnett Inlet			152,092				152,092
	Crystal Lake	1,834		7,442				9,276
	Anita Bay	12,531						12,531
NSRAA	Hidden Falls	11,383		336,348		371,341		719,072
	Medvejie	40,533		0	9,452	318,049		368,034
	Haines projects					15,445		15,445
AKI	Port Armstrong	4,233		149,451	1,176,351	273,934		1,603,969
DIPAC	Macaulay	3,465		31,446		3,986,075		4,020,986
	Snettisham		186,763					186,763
KTHC	Deer Mountain	1,124		6,150				7,274
KNFC	Gunnuk Creek			4,835	245,000	106,087		355,922
POWHA	Klawock			147,334				147,334
	Port Saint Nicholas	2,620						2,620
SSSC	Sheldon Jackson	41		628	108,838	51,957		161,464
MIC ^a	Tamgas Creek	2,000	4,000	75,000		310,000		391,000
NMFS ^a	Little Port Walter	1,251						1,251
Southeast Totals		123,196	190,763	1,019,916	1,539,641	9,828,873	0	12,702,389
Prince William Sound								
PWSAC	Armin F. Koernig				3,083,909			3,083,909
	Wally Noerenberg			150,520	6,647,471	1,818,159		8,616,150
	Cannery Creek				4,467,965			4,467,965
	Main Bay		1,304,858					1,304,858
	Gulkana		703,479					703,479
VFDA	Solomon Gulch			140,027	13,357,040			13,497,067
ADF&G ^a	Ship Creek Complex ^b	2,496						2,496
Prince William Sound Totals		2,496	2,008,337	290,547	27,556,385	1,818,159	0	31,675,924
Cook Inlet								
PGHC	Port Graham		12,706		0			12,706
CIAA	Trail Lakes		312,956	886				313,842
ADF&G ^a	Ship Creek Complex	5,469		34,672			46,776	86,917
Cook Inlet Totals		5,469	325,662	35,558	0	0	46,776	413,465
Kodiak								
KRAA	Kitoy Bay		246,148	77,759	2,527,304	365,530		3,216,741
	Pillar Creek	1,953	253,308	1,600				256,861
Kodiak Totals		1,953	499,456	79,359	2,527,304	365,530	0	3,473,602
Statewide Totals		133,114	3,024,218	1,425,380	31,623,330	12,012,562	46,776	48,265,380

^a Not PNP hatcheries.

^b Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 11.—Projected adult returns, by species, to Alaska fisheries enhancement projects in 2012.

Area/Operator/Location		Chinook	Sockeye	Coho	Pink	Chum	Other	Total
Southeast								
SSRAA	Whitman Lake	24,000		148,000				172,000
	Nakat Inlet			21,000		488,700		509,700
	Anita Bay	10,000		17,000		882,000		909,000
	Kendrick Bay					895,000		895,000
	Bakewell Lake			20,000				20,000
	Neets Bay	22,000		181,000		1,970,000		2,173,000
	Burnett Inlet			21,000				21,000
	Neck Lake			108,000				108,000
	Crystal Lake	5,600		1,700				7,300
	NSRAA	Hidden Falls	16,100		231,000		820,000	
Medvejie Creek		30,800		13,000		629,000		672,800
Haines projects						19,461		19,461
AKI	Port Armstrong	4,924		175,164	1,510,122	266,769		1,956,979
DIPAC	Macaulay	4,700		35,000		1,027,000		1,066,700
	Amalga Harbor					947,000		947,000
	Boat Harbor					296,000		296,000
	Limestone Inlet					189,000		189,000
	Pullen Creek	1,000						1,000
	Snettisham		230,000					230,000
	Sweetheart Lake		4,700					4,700
	Taku River		- ^a					
	Stikine River		- ^a					
	KTHC	Deer Mountain	627		7,200			
KNFC	Gunnuk Creek			9,827	360,171	65,354		435,352
	Southeast Cove					48,426		48,426
POWHA	Klawock			227,583				227,583
	Port Saint Nicholas	22,756						22,756
	Coffman Cove	19,871						19,871
SSSC	Indian River/Deep Inlet	432			17,621	124,944		142,997
MIC ^b	Tamgas Creek	3,500		175,000		315,000		493,500
NMFS ^b	Little Port Walter	2,500						2,500
Southeast Totals		168,810	234,700	1,391,474	1,887,914	8,983,654	0	12,666,552
Prince William Sound								
PWSAC	Armin F. Koernig				6,600,000	250,000		6,850,000
	Wally Noerenberg			244,000	6,200,000	2,150,000		8,594,000
	Cannery Creek				6,100,000			6,100,000
	Main Bay		861,200					861,200
	Gulkana		203,000					203,000
VFDA	Solomon Gulch			129,850	13,545,419			13,675,269
Prince William Sound Totals		0	1,064,200	373,850	32,445,419	2,400,000	0	36,283,469
Cook Inlet								
PGHC	Port Graham		2,000					2,000
	English Bay Lakes		14,000					14,000
CIAA	Trail Lakes							
	Hazel/Leisure		6,500					6,500
	Kirschner Lake		10,200					10,200
	Hidden Lake		32,130					32,130
	Bear Lake		213,840	2,744				216,584
	Big Lake		8,500					8,500
	Tutka Bay Lagoon		28,000					28,000
ADF&G ^b	Ship Creek Complex ^c	6,863		33,818			44,770	85,451
Cook Inlet Totals		6,863	315,170	36,562	0	0	44,770	403,365
Kodiak								
KRAA	Kitoi Bay		80,767	158,502	4,045,603	240,950		4,525,822
	Pillar Creek	1,800	226,000	1,600				229,400
Kodiak Totals		1,800	306,767	160,102	4,045,603	240,950	0	4,755,222
Statewide Totals		177,473	1,920,837	1,961,988	38,378,936	11,624,604	44,770	54,108,608

^a Not available in time for publication.

^b Not PNP hatcheries.

^c Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 12.—Details of the estimated Chinook salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.

Area/Operator/Location	Common Property Harvest				Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total	
	Seine	Gillnet	Troll	Sport							
Southeast											
SSRAA	Whitman Lake	21	222	5,502	1,259		1,514	8,802		17,320	
	Neets Bay	3,593	1,499	1,405	304			3,784		10,585	
	Crystal Lake Hatchery	25	156	733	44		876			1,834	
	Anita Bay	3,251	7,899	1,248	133					12,531	
	Neets Bay	5,297	1,986	2,234	377			4,382		14,276	
NSRAA	Medvejie	3,639	7,801	9,838	1,740	153	1,470	2,405	13,487	40,533	
	Hidden Falls	2,677	878	2,140	342	50	1,254	3,693	349	11,383	
AKI	Port Armstrong	343	11	936	16		725	528	1,674	4,233	
DIPAC	Macaulay	213	484	353	981			606	224	2,861	
	Skagway Site	16	12		221			146		604	
KTHC	Deer Mountain Hatchery		46	306	112		72	288		1,124	
POWHA	Port Saint Nicholas		54	364	74				2,128	2,620	
SSSC	Sheldon Jackson		5	20					16	41	
MIC ^a	Tamgas Creek ^b						1,805	195		2,000	
NMFS ^a	Little Port Walter	191	94	382	23		179	382		1,251	
Southeast Totals		19,266	21,147	25,461	5,626	203	5,505	10,633	34,846	509	123,196
Prince William Sound											
ADF&G ^a	Ship Creek Complex ^c										
	Valdez				1,429					1,429	
	Whittier				1,067					1,067	
Prince William Sound Totals		0	0	0	2,496	0	0	0	0	0	2,496
Cook Inlet											
ADF&G ^a	Ship Creek Complex										
	Crooked Creek				0			140		289	429
	Eklutna tailrace				566					566	
	Fleming Spit				136					136	
	Kachemak Bay				797					797	
	Ninilchik River				0			222		47	269
	Ship Creek				2,093			408		631	3,132
	Deception Creek							60		80	140
Cook Inlet Totals		0	0	0	3,592	0	0	830	0	1,047	5,469
Kodiak											
KRAA	Pillar Creek				1,800			153		1,953	
Kodiak Totals		0	0	0	1,800	0	0	153	0	0	1,953
Statewide Totals		19,266	21,147	25,461	13,514	203	5,505	11,616	34,846	1,556	133,114

^a Not PNP hatcheries.

^b Hatchery operator reported total return but did not report contributions to common property fisheries.

^c Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 13.—Details of the estimated sockeye salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.

Area/Operator/Location	Common Property Harvest					Personal Use/ Subsistence	Other	Brood	Cost Recovery		Total
	Seine	Gillnet	Troll	Sport	Harvest				Escapement		
Southeast											
DIPAC	Snettisham	29,654	79,410			251	300	6,810	24,968		141,393
	Sweetheart Lake	1,624	619			3,000					5,243
	Stikine River (US harvest)		34,781								34,781
	Taku River (US harvest)		5,346								5,346
MIC ^a	Tamgas Creek ^b						3,811	189			4,000
Southeast Totals		31,278	120,156	0	0	3,251	4,111	6,999	24,968	0	190,763
Prince William Sound											
PWSAC	Main Bay	19,381	1,269,642		1,200	800	1,025	12,810			1,304,858
	Gulkana I and II										
	Paxson Lake		102,917		1,933	36,740	1	18,542		10,515	170,648
	Crosswind Lake		343,480		6,454	122,618				27,291	499,843
	Summit Lake		21,623		406	7,719				3,240	32,988
Prince William Sound Totals		19,381	1,737,662	0	9,993	167,877	1,026	31,352	0	41,046	2,008,337
Cook Inlet											
PGHC	Port Graham	1,434				3,780		1,274	200	6,018	12,706
CIAA	Trail Lakes										
	Bear Lake	56,111			20,000		300	3,831	150,853	9,389	240,484
	Hidden Lake		13,931		5,167			841	311	8,603	28,853
	Leisure/Hazel Lakes	9,945			400	4,773					15,118
	Tutka Bay				3,500			1,563	8,496	2,000	15,559
	Kirschner Lake	12,732					210				12,942
Cook Inlet Totals		80,222	13,931	0	29,067	8,553	510	7,509	159,860	26,010	325,662
Kodiak											
KRAA	Kitoy Bay	227,050				200			11,812	7,086	246,148
	Pillar Creek										
	Spiridon Lake	116,175	30,877						20,241		167,293
	Foul Bay	44,142									44,142
	Waterfall Bay	37,063					500				37,563
	Settler's Cove	4,310									4,310
Kodiak Totals		428,740	30,877	0	0	200	500	0	32,053	7,086	499,456
Statewide Totals		559,621	1,902,626	0	39,060	179,881	6,147	45,860	216,881	74,142	3,024,218

^a Not a PNP hatchery.

^b Hatchery operator reported total return but did not report contributions to common property fisheries.

Table 14.—Details of the estimated coho salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.

Area/Operator/Location	Common Property Harvest					Other	Brood	Cost Recovery	Harvest	Escapement	Total
	Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence						
Southeast											
SSRAA	Whitman Lake	575	1,220	7,240	610		1,647	4,847	1,453		17,592
	Anita Bay	100	868	767							1,735
	Bakewell Lake	622	979	6,841	285		894			660	10,281
	Nakat	249	2,971	3,438	320		230				7,208
	Neets Bay	2,804	3,755	12,238	617				231		19,645
	Neets Bay	7,219	8,903	30,139	2,186		2,890		1,392		52,729
	Burnett Inlet	560	9,600	1,180	580		1,500	2,597	5,200		21,217
	Neck Lake	1,405	51,675	7,015	20,000		720		50,060		130,875
	Crystal Lake Hatchery	940	865	3,015	130			2,492			7,442
NSRAA	Hidden Falls	45,470	1,510	74,123	4,493	250	2,822	10,523	114,551	500	254,242
	Deer Lake	2,685		23,425	2,123		5,141		48,732		82,106
AKI	Port Armstrong	3,339	234	70,087	1,313		11,757	3,884	58,837		149,451
DIPAC	Macaulay	2,143	4,059	10,351	6,813		2	525	7,553		31,446
KTHC	Deer Mountain	494	460	164	405		42	400	2,620	1,565	6,150
KNFC	Gunnuk Creek	45	18	2,191	20		183	2,132	46	200	4,835
POWHA	Klawock Hatchery	29,939	329	63,441	43,705	45	3,791	1,882	859	3,343	147,334
SSSC	Sheldon Jackson			183	26		30	389			628
MIC ^a	Tamgas Creek ^b						73,465	1,535			75,000
Southeast Totals		98,589	87,446	315,838	83,626	295	105,114	31,206	291,534	6,268	1,019,916
Prince William Sound											
PWSAC	Wally Noerenberg	48,036	81,714		1,000		5,000	2,374	1,596		139,720
	Cordova/Whittier/Chenega				10,800						10,800
VFDA	Solomon Gulch	32,345			60,000		12	2,628	43,042	2,000	140,027
Prince William Sound Totals		80,381	81,714	0	71,800	0	5,012	5,002	44,638	2,000	290,547
Cook Inlet											
CIAA	Trail Lakes						195	339		352	886
ADF&G ^a	Ship Creek Complex ^c				4,537			828		358	5,723
	Bird Creek				3,761					45	3,806
	Homer Spit				758						758
	Resurrection Bay				19,939			115			20,054
	Eklutna tailrace				4,331						4,331
Cook Inlet Totals		0	0	0	33,326	0	195	1,282	0	755	35,558
Kodiak											
KRAA	Kitoy Bay	62,847				200	600	6,624	7,488		77,759
	Pillar Creek- road system				1,600						1,600
Kodiak Totals		62,847	0	0	1,600	200	600	6,624	7,488	0	79,359
Statewide Totals		241,817	169,160	315,838	190,352	495	110,921	44,114	343,660	9,023	1,425,380

^a Not PNP hatcheries.

^b Hatchery operator reported total return but did not report contributions to common property fisheries.

^c Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 15.—Details of the estimated pink salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.

Area/Operator/Location	Common Property Harvest						Brood	Cost Recovery Harvest	Escapement	Total	
	Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other					
Southeast											
NSRAA	Medvejie						6,995	1,657	800	9,452	
AKI	Port Armstrong	517,713					30,000	110,166	518,472	1,176,351	
KNFC	Gunnuk Creek	185,831		9,842			23,500	22,355	3,472	245,000	
SSSC	Sheldon Jackson							5,838	103,000	108,838	
Southeast Totals		703,544	0	9,842	0	0	53,500	145,354	626,601	800	1,539,641
Prince William Sound											
PWSAC	Armin F. Koernig	1,878,581	5,805				10,000	211,476	978,047		3,083,909
	Wally Noerenberg	3,746,971	563,449				10,000	242,308	2,084,743		6,647,471
	Cannery Creek	3,763,480	89,574				7,500	283,008	324,403		4,467,965
VFDA	Solomon Gulch	10,993,933			30,000		5,049	322,379	1,933,093	72,586	13,357,040
Prince William Sound Totals		20,382,965	658,828	0	30,000	0	32,549	1,059,171	5,320,286	72,586	27,556,385
Kodiak											
KRAA	Kitoi Bay	532,698						337,433	1,642,173	15,000	2,527,304
Kodiak Totals		532,698	0	0	0	0	0	337,433	1,642,173	15,000	2,527,304
Statewide Totals		21,619,207	658,828	9,842	30,000	0	86,049	1,541,958	7,589,060	88,386	31,623,330

Table 16.—Details of the estimated chum salmon returns to Alaska fisheries enhancement projects, as reported by operators, 2011.

Area/Operator/Location	Common Property Harvest					Personal Use/ Subsistence	Other	Brood	Cost		Total
	Seine	Gillnet	Troll	Sport	Recovery				Escapement		
Southeast											
SSRAA	Whitman Lake										
	Anita Bay – summer	116,152	185,463	11,136			12,347				325,098
	Nakat Inlet – summer	17,953	337,279				32,487				387,719
	Kendrick Bay – summer	679,292	24,040	3,248			44,834				751,414
	Neets Bay – summer	167,486	58,934	320,189			71,538	169,706	840,350		1,628,203
	Anita Bay – summer	17,953	335,167				32,487				385,607
	Neets Bay – fall	99,282	68,307	87,537			24,534	73,865	492,000		845,525
	Nakat Inlet – fall	2,899	68,144	309			1,067				72,419
NSRAA	Medvejie	140,830	71,209	24,670			8,057	47,772	25,252	259	318,049
	Hidden Falls	132,033		195	50		3,009	139,235	96,538	281	371,341
	Haines projects		6,178					3,146		6,121	15,445
AKI	Port Armstrong	18,100		1,500			2,000	38,380	213,954		273,934
DIPAC	Macaulay	54,221	408,918	45,187	3,900		35,000	100,951	591,813		1,239,990
	Amalga	83,513	454,871	69,958					1,350,695		1,959,037
	Limestone Inlet	9,845	207,428	8,204							225,477
	Boat Harbor	26,526	512,939	22,106							561,571
KNFC	Gunnuk Creek										
	Kake SHA	58,240		3,083	15	125	2,800	15,783	209	200	80,455
	Southeast Cove	17,581		931			1,143	438	5,539		25,632
SSSC	Sheldon Jackson	22,421	11,337	3,928			1,282	8,202	4,746	41	51,957
MIC ^a	Tamgas Creek ^b						298,351	11,649			310,000
Southeast Totals		1,664,327	2,750,214	602,181	3,965	125	570,936	609,127	3,621,096	6,902	9,828,873
Prince William Sound											
PWSAC	Wally Noerenberg										
	Lake Bay	13,324	918,580		1,000		7,000	159,741	318,462		1,418,107
	Port Chalmers	20,956	258,890								279,846
	Sawmill Bay	16,990	103,216								120,206
Prince William Sound Totals		51,270	1,280,686	0	1,000	0	7,000	159,741	318,462	0	1,818,159
Kodiak											
KRAA	Kitoi Bay	291,985					2,000	41,998	28,547	1,000	365,530
Kodiak Totals		291,985	0	0	0	0	2,000	41,998	28,547	1,000	365,530
Statewide Totals		2,007,582	4,030,900	602,181	4,965	125	579,936	810,866	3,968,105	7,902	12,012,562

^a Not a PNP hatchery.

^b Hatchery operator reported total return but did not report contributions to common property fisheries.

Table 17.—Details of the estimated “other” hatchery-produced returns to Alaska fisheries enhancement projects, as reported by operators, 2011.

Area/Operator/Location	Species	Commercial	Sport Personal Use/			Cost Recovery			Total
			Catch	Subsistence	Other	Brood	Harvest	Escapement	
Cook Inlet									
ADF&G ^a	Ship Creek Complex ^b								
	Statewide lakes		Arctic char	3,887			126		4,013
			Arctic grayling	1,405			80		1,485
			Landlocked salmon	7,497					7,497
			Rainbow trout	31,981			1,800		33,871
Cook Inlet Totals				44,770			2,006		46,776
Statewide Totals			0	44,770	0	0	2,006	0	0 46,776

^a Not a PNP hatchery.

^b Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 18.—Summary of anadromous salmon production (all species) from Alaska hatcheries and fisheries enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1966	NA	1	0
1967	NA	1	0
1968	NA	1	0
1969	NA	1	0
1970	NA	1	0
1971	NA	0	0
1972	2	2	0
1973	4	2	0
1974	9	3	0
1975	36	11	18
1976	61	13	29
1977	100	41	176
1978	133	74	341
1979	152	87	1,988
1980	292	96	3,053
1981	475	212	4,886
1982	548	331	6,939
1983	668	412	6,560
1984	829	506	7,690
1985	995	659	16,650
1986	1,026	762	12,979
1987	1,369	824	25,505
1988	1,280	1,114	18,527
1989	1,418	1,087	35,730
1990	1,603	1,154	48,485
1991	1,634	1,319	48,853
1992	1,725	1,323	23,536
1993	1,685	1,475	33,595
1994	1,758	1,302	55,926
1995	1,913	1,503	37,298
1996	1,688	1,638	50,220
1997	1,732	1,364	50,991
1998	1,773	1,452	56,046
1999	1,847	1,433	72,303
2000	1,734	1,470	63,114
2001	1,804	1,476	61,730
2002	1,863	1,484	49,322
2003	1,926	1,521	79,873
2004	1,736	1,648	46,448
2005	1,705	1,427	80,973
2006	1,823	1,433	46,498
2007	1,724	1,560	80,260
2008	1,661	1,487	60,437
2009	1,783	1,463	45,002
2010	1,807	1,561	90,817
2011	1,894	1,538	48,219
Total	48,215	38,272	1,371,017

Table 19.—Summary of Chinook salmon production from Alaska hatcheries and fisheries enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1966	NA	0	
1967	NA	1	
1968	NA	0	
1969	NA	0	
1970	NA	0	
1971	NA	0	
1972	NA	0	
1973	NA	0	
1974	0	1	
1975	1	0	
1976	1	0	
1977	3	1	
1978	2	1	0
1979	2	1	3
1980	3	1	7
1981	1	1	5
1982	3	1	12
1983	7	2	13
1984	10	4	21
1985	19	4	26
1986	16	6	40
1987	17	8	94
1988	18	9	75
1989	15	8	78
1990	17	10	118
1991	20	7	174
1992	13	10	132
1993	12	12	112
1994	13	10	127
1995	14	7	169
1996	12	7	165
1997	12	7	150
1998	13	7	104
1999	12	8	114
2000	12	8	174
2001	14	9	188
2002	18	8	157
2003	14	10	159
2004	16	10	194
2005	15	10	139
2006	17	10	108
2007	17	11	137
2008	18	11	140
2009	17	12	116
2010	13	11	106
2011	13	8	133
Total	440	251	3,491

Table 20.—Summary of sockeye salmon production from Alaska hatcheries and fisheries enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1972	NA	0	
1973	2	0	
1974	2	1	
1975	14	5	
1976	24	2	
1977	19	14	0
1978	35	16	13
1979	30	17	318
1980	38	15	700
1981	51	28	401
1982	59	45	56
1983	68	53	210
1984	86	52	382
1985	108	73	754
1986	101	77	1,296
1987	107	60	992
1988	107	69	1,651
1989	112	77	2,037
1990	100	74	4,165
1991	113	70	5,432
1992	104	74	4,185
1993	122	61	5,060
1994	112	77	4,177
1995	115	81	1,506
1996	127	75	2,760
1997	97	75	3,036
1998	95	72	2,488
1999	91	66	3,595
2000	73	60	2,073
2001	89	39	3,328
2002	92	67	3,645
2003	94	64	4,750
2004	62	71	3,554
2005	81	38	2,761
2006	93	53	2,618
2007	83	63	2,347
2008	79	61	1,781
2009	80	57	1,791
2010	80	56	2,548
2011	87	54	3,024
Total	3,031	2,012	79,434

Table 21.—Summary of coho salmon production from Alaska hatcheries and fisheries enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1966	NA	1	
1967	NA	1	
1968	NA	1	
1969	NA	1	
1970	NA	1	
1971	NA	0	
1972	2	2	
1973	2	2	
1974	1	2	
1975	7	4	0
1976	5	3	13
1977	5	5	
1978	5	3	0
1979	4	3	71
1980	4	2	21
1981	8	3	55
1982	16	3	108
1983	17	9	96
1984	21	11	179
1985	20	15	308
1986	24	13	660
1987	26	15	453
1988	28	19	284
1989	23	16	505
1990	22	18	955
1991	23	14	1,289
1992	21	14	1,396
1993	25	15	1,022
1994	28	18	1,320
1995	27	21	1,312
1996	30	21	1,368
1997	36	23	1,081
1998	29	21	1,393
1999	23	20	1,542
2000	33	15	1,655
2001	32	19	1,799
2002	35	20	2,120
2003	35	19	1,495
2004	33	23	1,203
2005	33	22	1,444
2006	36	22	1,355
2007	33	26	1,130
2008	40	25	1,449
2009	39	24	1,148
2010	35	29	1,359
2011	39	30	1,425
Total	907	591	33,014

Table 22.—Summary of pink salmon production from Alaska hatcheries and fisheries enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1974	5	0	
1975	9	1	18
1976	23	4	16
1977	66	18	175
1978	79	50	325
1979	91	60	1,591
1980	174	64	2,310
1981	328	135	4,371
1982	344	218	6,610
1983	406	264	5,939
1984	442	332	5,298
1985	604	366	14,158
1986	511	484	9,044
1987	840	443	21,961
1988	736	730	13,868
1989	975	675	31,764
1990	1,014	811	41,208
1991	998	862	39,777
1992	1,077	797	14,734
1993	1,031	919	20,692
1994	1,076	790	41,305
1995	1,162	921	24,770
1996	929	999	29,575
1997	1,064	773	33,957
1998	1,119	873	38,651
1999	1,085	878	51,973
2000	1,074	880	40,395
2001	1,101	942	47,247
2002	1,168	938	30,835
2003	1,108	962	59,773
2004	960	965	30,564
2005	949	808	69,076
2006	964	809	26,702
2007	952	851	64,308
2008	908	823	43,411
2009	943	818	29,276
2010	979	855	73,849
2011	1,022	883	31,623
Total	28,315	23,002	1,001,150

Table 23.—Summary of chum salmon production from Alaska hatcheries and fisheries enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1974	1	0	
1975	5	1	
1976	7	2	
1977	8	3	1
1978	12	4	3
1979	24	7	6
1980	74	13	16
1981	87	46	53
1982	126	63	153
1983	170	86	301
1984	269	108	1,809
1985	244	201	1,404
1986	374	182	1,938
1987	380	298	2,005
1988	392	288	2,650
1989	293	310	1,347
1990	450	241	2,039
1991	480	365	2,181
1992	510	428	3,089
1993	496	469	6,709
1994	529	407	8,997
1995	596	473	9,540
1996	590	535	16,353
1997	524	485	12,768
1998	517	479	13,409
1999	636	461	15,080
2000	541	508	18,818
2001	568	467	9,167
2002	549	451	12,565
2003	675	466	13,695
2004	665	578	10,932
2005	627	549	7,553
2006	714	539	15,715
2007	639	609	12,338
2008	615	567	13,655
2009	705	552	12,670
2010	699	609	12,955
2011	732	563	12,013
Total	15,523	12,416	253,927

Table 24.—Summary of commercial harvest of salmon from Alaska fisheries enhancement projects, in thousands of fish.

YEAR	Total commercial harvest ^a	Cost recovery harvest	CCPH ^b	Hatchery-produced fish in CCPH	Total harvest of hatchery-produced fish
1977	50,812	109	50,703	0	109
1978	82,289	215	82,074	0	215
1979	88,762	253	88,509	1	254
1980	110,012	347	109,666	23	370
1981	113,333	856	112,477	28	885
1982	111,580	1,364	110,216	10	1,374
1983	127,706	856	126,850	0	856
1984	133,644	1,043	132,600	525	1,568
1985	146,388	1,854	144,534	510	2,363
1986	128,948	1,212	127,737	570	1,782
1987	96,618	4,181	92,437	382	4,563
1988	100,565	2,499	98,066	10,047	12,546
1989	154,129	15,013	139,116	13,856	28,869
1990	155,058	10,388	144,670	30,284	40,672
1991	189,531	13,169	176,362	29,528	42,697
1992	136,726	7,255	129,471	10,248	17,503
1993	193,116	4,847	188,268	24,072	28,920
1994	195,537	15,906	179,631	31,016	46,922
1995	217,851	9,285	208,566	24,364	33,649
1996	176,094	14,657	161,437	29,268	43,925
1997	123,130	19,410	103,719	26,696	46,106
1998	151,830	15,649	136,181	34,554	50,203
1999	216,824	22,608	194,217	42,661	65,268
2000	137,574	18,991	118,583	39,778	58,769
2001	175,172	18,444	156,728	38,501	56,944
2002	131,356	19,068	112,288	25,744	44,811
2003	177,978	22,937	155,041	49,866	72,802
2004	167,581	22,015	145,565	20,101	42,117
2005	221,909	21,263	200,646	53,566	74,828
2006	140,641	18,942	121,699	23,723	42,665
2007	213,011	19,601	193,410	57,682	77,283
2008	146,323	12,898	133,425	44,921	57,819
2009	163,013	13,789	149,224	28,137	41,926
2010	171,754	10,464	161,291	77,324	87,787
2011	176,804	12,153	164,651	32,561	44,713

^a Total commercial harvest by all commercial gear types, including fish harvested for cost recovery.

^b CCPH = commercial common property harvest.

Table 25.—Summary of salmon production in 2011 from Fish Resource Permits issued by the Alaska Department of Fish and Game.

Area/Permittee	Species	Maximum number to be released
Southeast		
Fawn Mountain Elementary	Coho	150
Juneau-Douglas High School	Coho	10,000
Petersburg High School	Pink	50,000
Haines Elementary	Coho	500
Naukati School	Coho	100
Yakutat	Coho	150
Southcentral		
Abbott Loop Elementary	Coho	500
ADF&G Aquatic Ed. Anchorage Lobby	Coho	500
Alaska Native Cultural Charter School	Coho	500
Alpenglow Elementary	Coho	500
Anchorage Lutheran	Coho	500
Aquarian Charter	Coho	500
Bartlett High School	Coho	500
Baxter Elementary	Coho	500
Bayshore Elementary	Coho	500
Bear Valley Elementary	Coho	500
Begich Middle School	Coho	500
Beryozova School	Coho	500
Big Lake Elementary	Coho	500
Bowman Elementary	Coho	500
Butte Elementary	Coho	500
Campbell Elementary	Coho	500
Central Middle School	Coho	500
Chapman School	Coho	500
Chickaloon School	Coho	500
Chinook Elementary	Coho	500
Chugach Optional	Coho	500
Chugiak Elementary	Coho	500
Clark Middle School	Coho	500
College Gate Elementary	Coho	500
Colony High School	Coho	500
Cook Inlet Academy	Coho	500
Cooper Landing	Coho	500
Cooperative Extension Service (Palmer)	Coho	500
Cottonwood Creek Elementary	Coho	500
Creekside Park Elementary	Coho	500
Denali Elementary	Coho	1,000
Eagle Academy	Coho	500
Eagle River Elementary	Coho	500
East High School	Coho	500
Fairview Elementary	Coho	500
Finger Lake Elementary	Coho	500
Fireweed Secondary	Coho	500
Girdwood Jr. High	Coho	500
Glacier View School	Coho	500
Gladys-Wood Elementary	Coho	500
Goldenview Middle	Coho	500
Goose Bay Elementary	Coho	500
Gruening Middle School	Coho	500

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Table 25.–Page 2 of 4.

Area/Permittee	Species	Maximum number to be released
Hanshew Middle School	Coho	500
Hermon Hutchens Elementary	Chum	500
Homer Flex High School	Coho	500
Homer High School	Coho	500
Homestead Elementary	Coho	500
Hope School	Coho	500
Houston High School	Coho	500
Houston Middle School	Coho	500
Huffman Elementary	Coho	500
Iditarod Elementary	Coho	500
Idean High School	Coho	500
Inlet View Elementary	Coho	1,000
Jesse Lee Home	Coho	500
Kaleidoscope Elementary	Coho	500
Kalifornsky Beach Elementary	Coho	500
Kasuun Elementary	Coho	500
Kenai Alternative	Coho	500
Kenai Middle School	Coho	500
Kincaid Elementary	Coho	500
Chinook Career Center	Coho	500
Klatt Elementary	Coho	500
Knik Elementary	Coho	500
Lake Hood Elementary	Coho	1,000
Lake Otis Elementary	Coho	500
Larson Elementary	Coho	500
MSBSD	Coho	500
Machetanz Elementary	Coho	500
Matanuska Central	Coho	500
Matanuska Christian School	Coho	500
McNeil Canyon Elementary	Coho	500
Meadow Lakes Elementary	Coho	500
Mears Middle School	Coho	500
Midnight Sun School	Coho	500
Moose Pass Elementary	Coho	500
Mirror Lake Middle School	Coho	500
MS Correspondence	Coho	500
Mt. Iliamna	Coho	500
Mt. Spurr Elementary	Coho	500
Mt. View Elementary	Coho	1,000
Muldoon Elementary	Coho	500
Nanwalek School	Coho	500
Nikiski/North Star Elementary	Coho	500
Ninilchik School	Coho	500
North Star RTC	Coho	500
Northwood Elementary	Coho	500
Nunaka Valley Elementary	Coho	500
Ocean View Elementary	Coho	500
O'Malley Elementary	Coho	500
Orion Elementary	Coho	500
Palmer High School	Coho	500
Palmer Middle School	Coho	500

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Table 25.–Page 3 of 4.

Area/Permittee	Species	Maximum number to be released
Pioneer Peak Elementary	Coho	500
Polaris K12	Coho	500
Ravenwood Elementary	Coho	500
Redoubt Elementary	Coho	500
Rogers Park Elementary	Coho	500
SAVE High School	Coho	500
Scenic Park Elementary	Coho	500
Service High School	Coho	500
Seward Elementary	Coho	500
Seward Middle School	Coho	500
Shaw Elementary	Coho	500
Sherrod Elementary	Coho	500
Skyview High School	Coho	500
Snowshoe Elementary	Coho	500
Soldotna Elementary	Coho	500
Soldotna High School	Coho	500
South High School	Coho	500
Spring Hill Elementary	Coho	500
St. John's School	Coho	500
Sterling Elementary	Coho	500
Susan B. English	Coho	500
Susitna Elementary	Coho	500
Susitna Valley High School	Coho	500
Swanson Elementary	Coho	500
Taku Elementary	Coho	500
Talkeetna Elementary	Coho	500
Tanaina Elementary	Coho	500
Teeland Middle School	Coho	500
Trailside Elementary	Coho	500
Trapper Creek Elementary	Coho	500
Tudor Elementary	Coho	500
Tustumena Elementary	Coho	500
Ursa Minor Elementary	Coho	500
Voznesenka School	Coho	500
Wasilla High School	Coho	500
West Homer Elementary	Coho	500
Whaley Elementary	Coho	500
Williwaw Elementary	Coho	500
Willow	Coho	500
Winterberry Charter	Coho	500
Central		
Aleknagik School	Coho	500
Dillingham Elementary	Coho	1,000
Dillingham High School	Coho	500
Dillingham Middle School	Coho	500
Interior		
Arctic Light Elementary	Coho	500
Badger Road Elementary	Coho	500
Delta Junction Elementary	Coho	1000
Joy Elementary	Coho	500
Ladd Elementary	Coho	500

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Table 25.–Page 4 of 4.

Area/Permittee	Species	Maximum number to be released
Nenana School	Coho	500
Nordale Elementary	Coho	500
Pearl Creek Elementary	Coho	500
Ticasuk Brown Elementary	Coho	500
Two Rivers Elementary	Coho	500
University Park Elementary	Coho	500
Watershed School	Coho	500
Weller Elementary	Coho	500
Wood River Elementary	Coho	500
Western		
Akhiok School	Coho	500
Chiniak School	Coho	500
Danger Bay School	Coho	500
East Elementary (Kodiak)	Coho	500
Karluk School	Coho	500
Kodiak Christian School	Coho	500
Kodiak High School	Coho	500
Kodiak Island Correspondence	Coho	500
Kodiak Learning Center	Coho	500
Kodiak Middle School	Coho	500
Larsen Bay School	Coho	500
Main Elementary (Kodiak)	Coho	500
North Star Elementary	Coho	500
Old Harbor School	Coho	500
Quizinkie School	Coho	500
Peterson Elementary	Coho	500
Port Lions School	Coho	1,000
St. Mary's School	Coho	500
Unalaska High School	Coho	10,000
Arctic-Yukon-Kuskokwim		
Kuinerrarmiut Elinaurviat (Quinhagak)	Coho	300
Nome Elementary	Coho	500

Table 26.—Updated Chinook salmon returns to Alaska hatcheries in 2010, including common property harvests, as reported by operators.

Area/Operator/Location	Common Property Harvest							Cost Recovery Harvest	Escapement	Total	
	Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood				
Southeast											
SSRAA	Whitman Lake		590	4,620	4,750			1,130	10,820		21,910
	Neets Bay	2,825	1,045	2,235	510		150		3,940		10,705
	Crystal Lake Hatchery		265	405	35			627			1,332
	Anita Bay	2,926	4,863	1,808	208						9,805
	Neets Bay	2,945	1,385	1,650	340				4,250		10,570
NSRAA	Medvejie	3,571	4,587	5,860	1,245	33	509	4,394	2,130		22,329
	Hidden Falls	2,396	194	1,915	338		1,897	1,866	250		8,856
AKI	Port Armstrong			1,019	21		1,111	1,072	2,002		5,225
DIPAC	Macaulay (was Gastineau)		484	446	1,839			878	468		4,115
	Skagway Site		9	46	453			84		5	597
KTHC	Deer Mountain Hatchery		29	257	79		2	86		70	523
POWHA	Port Saint Nicholas		11	467		389					867
SJ	Sheldon Jackson	46	49	72	33		22	61	5		288
MIC	Tamgas Creek		82	218	184			188	50		722
NMFS	Little Port Walter	21	2	415	32		148	372			990
Southeast Totals		14,730	13,595	21,433	10,067	422	3,839	10,758	23,915	75	98,834
Prince William Sound											
ADF&G	Ship Creek Complex ^a										
		Valdez			1,455						1,455
		Whittier			564						564
Prince William Sound Totals		0	0	0	2,019	0	0	0	0	0	2,019
Cook Inlet											
ADF&G	Ship Creek Complex				1,095			30		386	1,511
		Crooked Creek			1,060					260	1,320
		Eklutna tailrace			168						168
		Fleming Spit			91						91
		Kachemak Bay			710						710
		Ninilchik River								34	34
Cook Inlet Totals		0	0	0	3,124	0	0	30	0	680	3,834
Kodiak											
KRAA	Pillar Creek				900			100			1,000
Kodiak Totals		0	0	0	900	0	0	100	0	0	1,000
Statewide Totals		14,730	13,595	21,433	16,110	422	3,839	10,888	23,915	755	105,687

^a Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 27.—Updated sockeye salmon returns to Alaska hatcheries in 2010, 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	Other					
Southeast											
SSRAA	Burnett Inlet	11,660		65		250				11,975	
	Neck Lake	22								22	
DIPAC	Snettisham	21,453					6,811	37,619		65,883	
	Sweetheart Lake	440			2,972					3,412	
	Stikine River (U.S harv)	19,639								19,639	
	Taku River (U.S. harv)	930								930	
MIC	Tamgas Creek										
Southeast Totals		0	54,144	0	65	2,972	250	6,811	37,619	0	101,861
Prince William Sound											
PWSA	Main Bay	57,391	1,245,203		1,200	800	5,009	14,212			1,323,815
	Gulkana I and II										
	Paxson Lake		48,546				28,480	18,811	4,024		99,861
	Crosswind Lake		147,926				193,96		25,000		366,894
	Summit Lake		11,435				6,708		2,951		21,094
Prince William Sound Totals		57,391	1,453,110	0	1,200	800	234,16	33,023	0	31,975	1,811,664
Cook Inlet											
PGHC	Port Graham										
CIAA	Trail Lakes										
	Bear Lake			8,200		400	4,320	21,881	8,564		43,365
	Big Lake		43,776	310	6,303	311			78,326		129,026
	Hidden Lake		34,869	6,154	9,625	25	1,000		21,493		73,166
	Leisure/Hazel Lakes			650	4,900	45		1,007			6,602
	Tutka Bay						4,894	38,087	1,000		43,981
	Kirschner Lake							8,858			8,858
Cook Inlet Totals		0	78,645	0	15,314	20,828	781	10,214	69,833	109,383	304,998
Kodiak											
KRAA	Kitoy Bay	87,653						3,562	7,545		98,760
	Pillar Creek										
	Spiridon Lake	119,365	44,148					10,960			174,473
	Foul Bay	31,126									31,126
	Waterfall Bay	13,775					6,000				19,775
	Settler's Cove					4,998					4,998
Kodiak Totals		251,919	44,148	0	0	4,998	6,000	0	14,522	7,545	329,132
Statewide Totals		309,310	1,630,047	0	16,579	29,598	241,19	50,048	121,974	148,903	2,547,655

Table 28.—Updated coho salmon returns to Alaska hatcheries in 2010, including common property harvests, as reported by operators.

Area/Operator/Location		Common Property Harvest						Brood	Cost Recovery	Escapement	Total
		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other				
Southeast											
SSRAA	Whitman Lake	780	4,280	11,200	330			4,290	2,300		23,180
	Anita Bay	720	13,805	6,700	120						21,345
	Bakewell Lake	1,015	5,280	12,420	670		900				20,285
	Nakat	500	13,220	8,100	240						22,060
	Neets Bay	2,796	9,955	14,364	734		1,610		2,845		32,304
	Neets Bay	16,326	54,960	70,511	3,675		11,045		19,515		176,032
	Burnett Inlet	75	11,760	1,325	975		7,000	2,250			23,385
	Neck Lake	1,080	41,095	4,820	20,250		891		54,050		122,186
	Crystal Lake Hatchery	168	688	1,518	39			2,334			4,747
	NSRAA	Medvejie	449	365	191	40				13	
Hidden Falls		3,805	1,247	64,763	4,247		11,952	9,495	112,914		208,423
Deer Lake		748		17,092	1,972		4,500		18,765		43,077
AKI	Port Armstrong			48,171	1,986		6,676	3,957	63,793		124,583
DIPAC	Macaulay	110	6,752	7,369	4,131		2,524		22,987		43,873
KTHC	Deer Mountain	218	962	277	468	2	103	320	875	582	3,807
KNFC	Gunnuk Creek	1,755		90	59	55	836	192		600	3,587
POWHA	Klawock Hatchery	670		2,361	33	116	2,993	3,071	3,858	9,707	22,809
SSSC	Sheldon Jackson			425	27			94	2		548
MIC	Tamgas Creek	5,047	87,364	44,245	579	1,100		1,824	58,000		198,159
Southeast Totals		36,262	251,733	315,942	40,575	1,273	51,030	27,827	359,917	10,889	1,095,448
Prince William Sound											
PWSAC	Wally Noerenberg	3,500	5,500		500		1,028	371			10,899
	Cordova/Whittier/Chenega				11,200						11,200
VFDA	Solomon Gulch	4,975			60,000			1,481	24,014	2,000	92,470
Prince William Sound Totals		8,475	5,500	0	71,700	0	1,028	1,852	24,014	2,000	114,569
Cook Inlet											
CIAA	Trail Lakes				3,597		405	240		428	4,670
ADF&G	Ship Creek Complex ^a				743			467		181	1,391
	Bird Creek				974					19	993
	Homer Spit				1,007						1,007
	Resurrection Bay				14,142			212			14,354
	Eklutna tailrace				3,233						3,233
Cook Inlet Totals		0	0	0	23,696	0	405	919	0	628	25,648
Kodiak											
KRAA	Kitoi Bay	113,272					3,000	5,466	403		122,141
	Pillar Creek- road system				1,600						1,600
Kodiak Totals		113,272	0	0	1,600	0	3,000	5,466	403	0	123,741
Statewide Totals		158,009	257,233	315,942	137,571	1,273	55,463	36,064	384,334	13,517	1,359,406

^a Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 29.—Updated pink salmon returns to Alaska hatcheries in 2010, including common property harvest, as reported by operators.

Area/Operator/Location	Common Property Harvest								Escapement	Total
	Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest		
Southeast										
NSRAA	Medvejie						4,281		800	5,081
AKI	Port Armstrong	481,211				30,000	96,347	633,141		1,240,699
KNFC	Gunnuk Creek	16,799		998		16,000	23,790	38,069	20,000	115,656
SSSC	Sheldon Jackson					254	970	28,499		29,723
Southeast Totals		498,010	0	998	0	46,254	125,388	699,709	20,800	1,391,159
Prince William Sound										
PWSAC	Armin F. Koernig	12,836,585	70,151			7,700	161,013	704,355		13,779,804
	Wally Noerenberg	13,025,712	2,439,958			5,000	199,202	1,573,529		17,243,401
	Cannery Creek	18,393,624	538,906			5,000	179,115	374,792		19,491,437
VFDA	Solomon Gulch	16,054,782			30,000	15,000	227,388	2,035,063	14,805	18,377,038
Prince William Sound Totals		60,310,703	3,049,015	0	30,000	32,700	766,718	4,687,739	14,805	68,891,680
Kodiak										
KRAA	Kitoi Bay	2,172,794					297,975	1,065,884	30,000	3,566,653
Kodiak Totals		2,172,794	0	0	0	0	297,975	1,065,884	30,000	3,566,653
Statewide Totals		62,981,507	3,049,015	998	30,000	78,954	1,190,081	6,453,332	65,605	73,849,492

Table 30.—Updated chum salmon returns to Alaska hatcheries in 2010, including common property harvests, as reported by operators.

Area/Operator/Location	Common Property Harvest							Cost Recovery Harvest	Escapement	Total	
	Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood				
Southeast											
SSRAA	Whitman Lake										
	Anita Bay – summer	38,518	20,045	428		2,106				61,097	
	Nakat Inlet – summer	7,360	231,670			2,980				242,010	
	Kendrick Bay – summer	436,660	44,490			43,270				524,420	
	Neets Bay – summer	122,081	92,964	188,110		99,840	123,535	964,165		1,590,695	
	Anita Bay – summer	136,563	71,069	1,519		7,467				216,618	
	Neets Bay – fall	45,358	17,591	13,070		11,440	39,919	128,441		255,819	
	Nakat Inlet – fall	2,092	18,390			872				21,354	
NSRAA	Medvejie	823,250	254,992	101,692		5,319	35,846	127,204	259	1,348,562	
	Hidden Falls	647,131	4,335	7,971		150	114,291	219,678		993,556	
	Haines projects		6,546				3,234		6,585	16,365	
AKI	Port Armstrong			7,272		3,500	49,390	13,220		73,382	
DIPAC	Macaulay	998	312,486	11,488	3,000	5,000	93,552	404,871		831,395	
	Amalga	1,594	361,736	18,342				1,004,023		1,385,695	
	Limestone Inlet	187	154,846	2,153						157,186	
	Boat Harbor	385	271,710	4,429						276,524	
KNFC	Gunnuk Creek										
	Kake SHA	18,505		974		6,400	1,939			27,818	
	Southeast Cove	20,900		1,100		200				22,200	
SSSC	Sheldon Jackson	130,712	40,486	16,146		844	6,482	21,900	41	216,611	
MIC	Tamgas Creek					197,814	6,186			204,000	
Southeast Totals		2,432,294	1,903,356	374,694	3,000	0	474,374	2,883,502	6,885	8,465,307	
Prince William Sound											
PWSAC	Wally Noerenberg										
	Lake Bay	2,609	2,734,660		1,000	7,000	176,926	594,045		3,516,240	
	Port Chalmers		480,018							480,018	
	Sawmill Bay	161,541	96,279							257,820	
Prince William Sound Totals		164,150	3,310,957	0	1,000	0	7,000	176,926	594,045	0	4,254,078
Kodiak											
KRAA	Kitot Bay	188,870					41,258	2,414	3,000	235,542	
Kodiak Totals		188,870	0	0	0	0	41,258	2,414	3,000	235,542	
Statewide Totals		2,785,314	5,214,313	374,694	4,000	0	692,558	3,479,961	9,885	12,954,927	

Table 31.—Updated “other” hatchery-produced returns to Alaska hatcheries in 2010, as reported by operators.

Region/Operator/Location	Species	Commercial	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
Cook Inlet									
ADF&G	Ship Creek Complex ^a		3,498			126			3,624
	Statewide lakes		897			96			993
			27,085			2,238			29,323
			4,523						4,523
Cook Inlet Totals			36,003			2,460			38,463
Statewide Totals		0	36,003	0	0	2,460	0	0	38,463

^a Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 32.—Actively operated Alaska hatcheries.

Area/Acronym	Address	City, State, Zip	Office phone	Hatchery	Hatchery Manager	Director	Email
Southwest							
R SSRAA	14 Borch Street	Ketchikan, AK 99901	(907) 225-9605 (907) 225-2635 (907) 247-8790 (907) 254-1242 (907) 772-4772 (907) 747-6850	Whitman Lake Neets Bay Burnett Inlet Crystal Lake ^a	Jay Creasy Matt Allen Ron Parsley 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	Medvejie Creek Hidden Falls ^a Haines Projects	Bill Coltharp Adam Olson Benji Burbank	Steve Reifentstuhl	steve_reifentstuhl@nsraa.org bill_coltharp@nsraa.org adam_olson@nsraa.org benji_burbank@nsraa.org
N AKI	PO Box 21990	Juneau, AK 99802	(907) 586-3443 (907) 586-2228	Port Armstrong	Ben Contag	Bart Watson	aki@ak.net portarmstrong@starband.net
N DIPAC	2697 Channel Dr.	Juneau, AK 99801	(907) 463-5114 (907) 463-5114 (907) 463-5115 (907) 463-5114	Macaulay Snettisham ^a Sheep Creek	Andrew Ollenburg Kevin Steck	Eric Prestegard	eric_prestegard@dipac.net andrew_ollenburg@dipac.net kevin_steck@dipac.net
N KTHC	1158 Salmon Rd	Ketchikan, AK 99901	(907) 228-5531	Deer Mountain	Jerry Guthrie		jguthrie@kictribe.org
N KNFC	PO Box 523	Juneau, AK 99801	(907) 785-6460	Gunnuk Creek	John Oliva	John Oliva	gunnukcreek@hughes.net
N POWHA	PO Box 554	Craig, AK 99921	(907) 755-2231 (907) 826-2551	Klawock River ^a Port Saint Nicholas	Dan Goodness Dan Goodness	Dan Goodness	powha@aptalaska.net powha@aptalaska.net
N SSSC	PO Box 1373	Sitka, AK 99835	(907) 747-8878 (907) 747-8878	Sheldon Jackson	Lon Garrison	Lisa Bush	lbusch@sitkasoundsciencecenter.org lon.garrison@gmail.com
F MIC	PO Box 8	Metlakatla, AK 99929	(907) 886-3150	Tamgas Creek	Steve Leask		tchsteve@hughes.net
F NMFS	17109 Lena Point Loop Rd	Juneau, AK 99801	(907) 789-6055 (907) 789-6618	Little Port Walter Auke Creek	Frank Thrower John Joyce		Frank.Thrower@noaa.gov john.joyce@noaa.gov
Prince William Sound							
R PWSAC	PO Box 1110	Cordova, AK 99574	(907) 424-7511	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.cvinternet@ak.net cch.pwsac@ak.net
N VFDA	PO Box 125	Valdez, AK 99686	(907) 835-4874 (907) 835-1329	Solomon Gulch	Mike Anderson	Jason Wells	vfdacvinternet.net vfdacvinternet.net
Cook Inlet							
N PGHC	PO Box 5543	Port Graham, AK 99603	(907) 284-2233	Port Graham		Patrick Norman	pnormanvc@hotmail.com
R CIAA	40610 Kalifornsky Beach Rd	Kenai, AK 99611	(907) 283-5761 (907) 288-3688	Eklutna Trail Lakes ^a Tutka ^a	Tom Prochazka Mark Thomas	Gary Fandrei	gfandrei@ciaa.net tprochazka_tlh@ciaa.net mthomas_tlh@ciaa.net
S ADF&G	941 N. Reeve Blvd. 1150 Wilbur Street	Anchorage, AK 99501 Fairbanks, AK 99701	(907) 269-0296 (907) 451-2661	Ship Creek Complex ^b Ruth Burnett	Andrea Tesch Gary George		andrea_tesch@alaska.gov gary.george@alaska.gov
Kodiak							
R KRAA	PO Box 3407 104 Center Street Suite 200	Kodiak, AK 99615	(907) 486-6555 (907) 486-4730 (907) 743-0617	Pillar Creek ^a Kitoi Bay ^a	Alan Seale Andrew Aro	Kevin Brennan	kraa@gci.net pch@gci.net kitoi@gci.net

Note: R=Regional Aquaculture Association Private Nonprofit (PNP) hatchery, N=Non-Regional Association PNP hatchery, F=Federal/Bureau of Indian Affairs hatchery, S=State hatchery

^a State-owned hatchery contracted to private sector.

^b Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 33.— Alaska hatcheries and hatchery permits.

Area/Acronym	Corporate name	Hatchery	PNP Permit #	PNP Permit issued	Species produced	Web Site	
Southeast							
R	SSRAA	Southern Southeast Regional Aquaculture Association	Whitman Lake	8	3/9/1978	chum, coho, Chinook	www.ssraa.org
			Neets Bay	19	6/17/1983	chum, coho, Chinook	
			Burnett Inlet	40	9/30/1997	sockeye, coho, chum	
			Crystal Lake ^a			Chinook, coho	
R	NSRAA	Northern Southeast Regional Aquaculture Association	Medvejie Creek	16	8/17/1981	chum, coho, Chinook, pink	www.nsraa.org
			Hidden Falls ^a	28	6/22/1988	chum, Chinook, coho	
			Haines Projects	34	4/29/1992	chum, sockeye	
			Sawmill Creek	44	3/11/2007	coho	
N	AKI	Armstrong-Keta, Inc.	Port Armstrong	13	2/23/1981	pink, chum, Chinook, coho	www.armstrongketa.org
N	DIPAC	Douglas Island Pink and Chum, Inc.	Sheep Creek	11	9/19/1979	chum, pink, coho	
			Macaulay	25	6/3/1987	chum, pink, coho, Chinook	
			Snettisham ^a	39	7/15/1996	sockeye	
N	KTHC	Ketchikan Tribal Hatchery Corporation	Deer Mountain	37	6/22/1994	Chinook, coho, steelhead, rainbow trout	www.dmthec.org
N	KNFC	Kake Nonprofit Fisheries Corporation	Gunnuk Creek	7	4/1/1977	pink, chum, coho	www.gunnukcreekhatchery.org
N	POWHA	Prince of Wales Hatchery Association	Klawock River ^a	38	2/19/1996	coho, sockeye, steelhead	www.powha.org
			Port Saint Nicholas	43	6/25/2004	Chinook	
N	SSSC	Sitka Sound Science Center	Sheldon Jackson	45	4/13/2011	pink, chum, coho	www.sitkasoundsciencecenter.org
N	AAC	America Aquaculture Corp.	Bell Island ^b	30	4/6/1990	No permitted capacity	
F	MIC	Tamgas Creek Hatchery	Tamgas Creek			chum, coho, Chinook, sockeye	
F	NMFS	National Marine Fisheries Service	Little Port Walter			Chinook, pink, steelhead	www.afsc.noaa.gov
			Auke Creek			pink, chum, sockeye, coho	
Prince William Sound							
R	PWSAC	Prince William Sound Aquaculture Association	AF Koernig	2	9/29/1975	pink, chum	www.pwsac@ak.net
			W Noerenberg	20	6/17/1983	pink, chum, Chinook, coho	
			Main Bay ^a	31	4/17/2001	sockeye	
			Gulkana ^a	42	7/5/2000	sockeye	
			Cannery Creek ^a	26	6/22/1988	pink	
N	VFDA	Valdez Fisheries Development Ass.	Solomon Gulch	15	6/26/1981	pink, coho, Chinook	
N	NERKA	NERKA, Inc.	Perry Island ^b	1	9/29/1975	No permitted capacity	
Cook Inlet							
N	PGHC	Port Graham Hatchery Corporation	Port Graham	33	8/3/1992	pink, sockeye	
R	CIAA	Cook Inlet Aquaculture Association	Trail Lakes ^a	27	6/22/1988	sockeye, coho, Chinook	www.ciaa.net
			Tutka ^a	32	1/3/1994	pink, sockeye	
			Eklutna ^b	17	2/5/1982	sockeye, coho	
S	ADF&G	Alaska Department of Fish and Game	Ship Creek Complex ^c			ADF&G produces: char, grayling,	www.adfg.alaska.gov
			Ruth Burnett			rainbow trout, Chinook, coho	
Kodiak							
R	KRAA	Kodiak Regional Aquaculture Association	Pillar Creek ^a	41	5/1/1998	sockeye, coho, Chinook, rainbow trout	www.kraakodiak.org
			Kitoi Bay ^a	29	7/5/1988	pink, chum, coho, sockeye	

Codes: R=Regional Aquaculture Association Private Nonprofit (PNP) hatchery, N=Non-Regional Association PNP hatchery, F=Federal/Bureau of Indian Affairs hatchery, S=State hatchery

^a State-owned hatchery contracted to private sector.

^b Not active.

^c Ship Creek Complex is the combination of William Jack Hernandez Hatchery and Fort Richardson Hatchery.

Table 34.—Permitted capacity of Alaska private nonprofit hatcheries, in millions of eggs, 2011.

Area/Operator/Location		Chinook	Sockeye	Coho	Pink	Chum	Other	Total
Southeast								
SSRAA	Whitman Lake	1.50		7.00		44.30		52.80
	Neets Bay	2.00		5.00		102.70		109.70
	Burnett Inlet		2.70	2.50		25.00		30.20
	Crystal Lake ^a							0.00
NSRAA	Hidden Falls	3.80		6.90		101.00		111.70
	Medvejie Creek	5.20		0.41	0.30	70.00		75.91
	Haines projects		2.00			4.80		6.80
	Sawmill Creek			4.33				4.33
AKI	Port Armstrong ^b	2.00		5.00	85.00	30.00		120.00
DIPAC	Macaulay	1.25		1.50	50.00	125.00		177.75
	Sheep Creek			0.15				0.15
	Snettisham		33.50					33.50
KTHC	Deer Mountain	0.13		0.38			0.05	0.56
KNFC	Gunnuk Creek ^c			0.50	20.00	65.00		85.50
POWHA	Klawock		5.00	5.00			0.05	10.05
	Port Saint Nicholas	0.77						0.77
SSSC	Sheldon Jackson			0.25	3.00	10.00		13.25
Southeast Totals ^c		16.65	43.20	38.92	158.30	577.80	0.10	832.98
Prince William Sound								
0.00								
PWSAC	Armin F. Koernig				162.00	34.00		196.00
	Wally	4.00		4.00	148.00	131.00		287.00
	Noerenberg							
	Cannery Creek				187.00			187.00
	Main Bay		12.40					12.40
	Gulkana		36.75					36.75
VFDA	Solomon Gulch	0.30		2.00	230.00			232.30
Prince William Sound Totals ^c		4.30	49.15	6.00	727.00	165.00	0.00	951.45
Cook Inlet								
0.00								
PGHC	Port Graham		1.35		110.00			111.35
CIAA	Trail Lakes	4.00	30.00	6.00				40.00
	Eklutna		18.00	0.16				18.16
	Tutka Bay		0.66		125.00			125.66
Cook Inlet Totals ^c		4.00	50.01	6.16	235.00	0.00	0.00	295.17
Kodiak								
0.00								
KRAA	Kitoi Bay		0.60	2.30	215.00	28.00		245.90
	Pillar Creek	0.45	20.00	0.50			0.09	21.04
Kodiak Totals ^c		0.45	20.60	2.80	215.00	28.00	0.09	266.94
Statewide Totals ^c		25.40	162.96	53.88	1,335.30	770.80	0.19	2,346.54

^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 salmon eggs in combination, not to exceed 2.0 million Chinook salmon eggs.

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

Table 35.—Salmon fisheries 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 Division created by Legislature			
1973	2 state hatcheries constructed (Crooked Creek and Gulkana) State enhancement projects at Starrigavan and Halibut Cove started	7		
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 [Perry Island (#1), Port San Juan (#2), Sheldon Jackson (#3), 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 [Salmon Creek (#9), Meyers Chuck (#10), Sheep Creek (#11)] 1 state hatchery constructed (Snettisham) 1 state hatchery closed (Fire Lake)	17	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/Bureau of Indian Affairs)	18	12	3
1981	1 state hatchery closed (East Creek)	17		

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Table 35.—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 (Sikusuilag and Trail Lakes)	19		
	1 PNP hatchery closed & reopened under new management [Salmon Creek #9, now #14]		12	
	3 PNP permits issued [Port Armstrong (#13), Solomon Gulch (#15), Medvejie (#16)]		15	
1982	2 PNP permits issued [Eklutna (#17) and Favorite Bay (#18)]		17	
1983	3 PNP permits issued [Neets Bay (#19), Esther (#20), Crittenden Creek (#22)]		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) jointly operated ADF&G/SSRAA]	20	22	
1987	1 PNP permit issued to Gastineau [renamed Macaulay (#25)]		23	
1988	Aquatic Farm Act signed; statute passes allowing contracting of hatchery operations			
	4 state hatcheries contracted to private sector (Cannery Creek, Trail Lakes, Hidden Falls, Kitoi Bay)	16		
	4 PNP permits issued [Cannery Creek (#26), Trail Lakes (#27), Hidden Falls (#28), Kitoi Bay (#29)]		27	
	1 state hatchery constructed (Pillar Creek)	17		
	1 PNP permit rescinded [Sandy Bay PNP (#4)]		26	
	1 PNP permit given up [Salmon Creek (#14)]		25	
1990	CSHB432 becomes law prohibiting finfish farming in Alaska			
	1 PNP permit issued to Bell Island (#30)		26	
1991	5 state hatcheries contracted to private sector [Beaver Falls (#24) , Main Bay, Tutka, Pillar Creek, Gulkana]	12	31	
	3 PNP permits issued [Main Bay (#31), Tutka (#32), Gulkana (#39)]			
	Portions of 6 state hatcheries paid for by private or federal funds			
1992	1 state hatchery closed (Russell Creek)	11		
	2 PNP permits issued [Port Graham (#33), Haines projects (#34)]		33	
	1 PNP permit voided [Meyers Chuck (#10)]		32	
	Fisheries Rehabilitation, Enhancement and Development Division merged with the Commercial Fisheries Division to form the Commercial Fisheries Management and Development Division			
1993	3 state hatcheries transferred from Commercial Fisheries Management and Development to Sport Fish Division (Broodstock Development Center, Elmendorf, and Ft. Richardson)			

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Table 35. Page 3 of 3.

Year	Event	No. of state operated hatcheries	No. of private nonprofit (PNP) owned or operated hatcheries	No. of federal hatcheries
	2 state hatcheries contracted to private sector (Crooked Creek and Klawock)	9	34	
	1 state hatchery closed (Big Lake)	8		
1994	1 state hatchery conveyed (Deer Mountain)	7	35	
	3 PNP permits issued [Crooked Creek (#35), Klawock (#36), Deer Mountain (#37)]			
	Ft. Richardson Hatchery merged with Broodstock Development Center	6		
1995	1 PNP hatchery permit voided Klawock (#36), re-issued under new management Klawock (#38)		35	
	1 state hatchery transferred from Commercial Fisheries Management and Development Division to Sport Fish Division (Crystal Lake)			
	1 state hatchery closed (Sikusuilaq)	5		
1996	1 state hatchery contracted [Snettisham (#39)]	4	36	
	1 state hatchery transferred from Commercial Fisheries Management and Development 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 permit issued [Pillar Creek (#41)]			
2000	1 state hatchery contracted to private sector [Crystal Lake Hatchery (PNP permit not issued)]	2	32	
	1 PNP hatchery permit given up [Port Camden (# 23)]		31	
2001	1 PNP hatchery permit given up [Kowee Creek (#6)]		30	
2004	1 PNP hatchery permit issued [Port St. Nicholas (#43)]		31	
2007	1 PNP hatchery permit issued [Sawmill Creek (#44)]		32	
2008	1 PNP hatchery permit given up [Burro Creek (#12)]	2	31	
2011	1 PNP hatchery closed & reopened under new management [Sheldon Jackson (#3, now #45)]		31	
	1 state hatchery closed (Elmendorf)	1		
	2 state hatcheries constructed (Ruth Burnett and William Jack Hernandez)	3	31 ^a	3

^a There are 11 state-owned hatcheries that are contracted to PNP operators. Perry Island and Bell Island are not active.