

# Alaska Salmon Enhancement Program 1999 Annual Report

compiled by  
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Regional Information Report 5J00-02



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

February 2000

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Alaska. Division of Commercial Fisheries  
Annual report 1999... Division of Commercial Fisheries Salmon Enhancement Program Report. 1999 – Juneau, Alaska: Alaska Department of Fish and Game, Division of Commercial Fisheries (formerly Commercial Fisheries Management and Development (CFMD) Division and Fisheries Rehabilitation, Enhancement and Development [FRED] Division).

v. : ill. : 28 cm. annual.  
Description based on: 1979. Continues: Alaska Dept. of Fish and Game. Annual Report.

Vols. for 1999 – by Marianne McNair  
Alaska — Periodicals. 3. Pacific salmon — Periodicals. I. Title.

639/.3/0979819

SH35.A62A4  
81-640900

cover photo: Tamgas Creek Hatchery

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<b>TITLE/SUBTITLE</b> Alaska Salmon Enhancement Program 1999 Annual Report		<u>CONFIDENTIALITY</u>  <input checked="" type="checkbox"/> AVAILABLE TO PUBLIC <input type="checkbox"/> AVAILABLE TO LEGISLATURE ONLY
<b>ABSTRACT (100 words maximum)</b>  The Alaska Department of Fish and Game oversees and regulates all state and private sector salmon rehabilitation and enhancement projects. Protection of Alaska's natural salmon stocks requires stringent permitting processes. Geneticists, pathologists, and biologists review all projects prior to the issuance of a permit to operate a salmon ranching facility, transfer 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 department fishery managers inseason and technical expertise to the private sector.  Over 1.7 billion salmon eggs were collected by Alaska hatchery operators in 1999. In addition, 1.4 billion fish were released and over 41 million fish were harvested in common property fisheries as a result of the ocean ranching program. This harvest represents 22% of the 1999 commercial common property harvest of 215 million fish. The ocean ranching program provides Alaskans with hundreds of seasonal and full-time jobs.		<u>SUBJECT CATEGORY</u>  <input checked="" type="checkbox"/> NATURAL RESOURCES <input type="checkbox"/> EDUCATION <input type="checkbox"/> SOCIAL SERVICES <input type="checkbox"/> HEALTH <input type="checkbox"/> TRANSPORTATION <input type="checkbox"/> LAW ENFORCEMENT <input type="checkbox"/> COMMERCE & INDUSTRY <input type="checkbox"/> GENERAL GOVERNMENT <input type="checkbox"/> LOCAL GOVERNMENT <input type="checkbox"/> OTHER
<b>AGENCY (Dept/Div/Program)</b> Alaska Department of Fish and Game, Division of Commercial Fisheries		<u>DOCUMENT CATEGORY</u>  <input type="checkbox"/> PERFORMANCE REPORT <input type="checkbox"/> FINANCIAL REPORT <input type="checkbox"/> PLANNING DOCUMENT <input type="checkbox"/> GRANT APPLICATION <input type="checkbox"/> PROMOTIONAL BROCHURE <input type="checkbox"/> CONTRACT <input type="checkbox"/> RESEARCH—STATISTICAL <input type="checkbox"/> TRAINING MANUAL <input checked="" type="checkbox"/> EDUCATIONAL/GENERAL INFORMATION <input type="checkbox"/> REGULATIONS/RIGHTS <input type="checkbox"/> RECOMMENDED LEGISLATION <input type="checkbox"/> OTHER
<b>AGENCY ADDRESS</b> P.O. Box 25526, Juneau, Alaska 99802-5526		<u>DOCUMENT FORMAT</u>  <input checked="" type="checkbox"/> NARRATIVE <input type="checkbox"/> FINANCIAL STATEMENTS <input checked="" type="checkbox"/> MAPS <input checked="" type="checkbox"/> STATISTICAL CHARTS <input type="checkbox"/> PHOTOGRAPHS/ILLUSTRATIONS <input type="checkbox"/> COMPUTER PRINTOUT <input type="checkbox"/> BIBLIOGRAPHY <input type="checkbox"/> OTHER
<b>SPONSORING AGENCY (if applicable)</b>		
<b>AGENCY CONTACT FOR MORE INFORMATION</b> Steve McGee, 465-6152		
<b>PERSONAL AUTHOR/EDITOR (if applicable)</b> Marianne McNair		
<b>REPORTING PERIOD</b> 1999	<b>PUBLICATION DATE</b> February 2000	
<b>DUE DATE</b> Early 2000	<b>DATE RECEIVED</b>	
<b>STATUTORY AUTHORITY</b> AS 16.05.092	<b>FEDERAL AUTHORITY (if applicable)</b>	

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## **Acknowledgments**

The author wishes to acknowledge the efforts of numerous area managers and hatchery and aquaculture association personnel who assembled data reports that are the basis of this document. Thanks also go to Steve McGee for his assistance with editing.



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*Rearing tanks at Deer Mountain Hatchery*

## Southeast Alaska Hatcheries

*Oxygen contactors, Whitman Lake Hatchery*



*Port Armstrong Hatchery, Baranof Island*



*Gunnuk Creek Hatchery, Kake*



*Port Armstrong Hatchery, Baranof Island*



*Little Port Walter, Baranof Island*



*Hidden Falls Hatchery, Baranof Island*



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

Nearly 1.8 billion salmon eggs were collected by Alaska hatchery operators in 1999. In addition, 1.4 billion fish were released and over 41 million fish were harvested in common property fisheries as a result of the ocean ranching program. The ocean ranching program provides hundreds of Alaskans with seasonal and full-time jobs. It is now considered the largest agricultural industry in Alaska.

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

The salmon enhancement program is composed of several factions: 3 state hatcheries, 30 private nonprofit (PNP) hatcheries, 3 federal or Bureau of Indian Affairs (BIA) hatcheries, and several streamside incubation and restoration projects. State hatcheries are operated by the department's Division of Sport Fish and primarily produce salmonid species targeted for sport fisheries. PNP hatchery corporations, are permitted to operate salmon hatcheries and recoup their operational costs from a special harvest of adult fish, called a cost recovery harvest. All other returning adult fish are available for harvest in Alaska's common property (public) fisheries. Federal hatcheries are generally used for research, streamside incubation projects enhance stocks of fish inexpensively, and stream restoration projects involve restoring streams degraded by human-use activities.

### ***Highlights in 1999:***

- The federal government recognized Alaska's hatchery program as an agricultural industry. The aquaculture industry now produces 40% of Alaska's agricultural products.
- The commercial common property harvest of salmon was composed of almost 22% enhancement program-produced fish. Over 42 million fish from the program were harvested in 1999.
- Almost 500,000 hatchery-produced fish representing 10 species (chinook, coho, pink, sockeye, and chum salmon; steelhead, lake and rainbow trout; Arctic char and grayling) were caught by sport fishermen in 1999.
- Hatcheries throughout the state had excellent survivals from release to return. Both wild and enhanced pink and chum salmon returned in record numbers. Many hatcheries noticed a large number of 3 year old salmon, leading to the possible conclusion that next year's chum return will also be large. In general, pink salmon were smaller than usual this year, however, chum salmon were larger than average.
- In general the Alaskan hatchery program is very stable. Eggtakes and release numbers are very similar to prior years. However, because of excellent ocean survivals, Alaskan hatcheries had their all time largest salmon returns in 1999.
- In 1999, Alaskan hatchery fish caught in the common property provided more than \$46 million in ex-vessel revenue to fishermen.
- The Board of Fisheries established guideline harvest percentages for each commercial gear group to allocate the harvest of enhanced salmon. If, over a period of time, allocation percentages are not met, actions must be taken to correct the imbalance. 1999 was the first year that corrective actions were needed to help increase troll harvest. The joint Northern and Southern Regional Planning teams met and developed two proposals for increasing troll fishing

opportunities for the Board of Fisheries to consider.

- NSRAA had a record year for coho returns, thanks to record survivals at Hidden Falls and Deer Lake. Of the total return, more than half were caught by the troll fleet.
- NSRAA made its last of loan payments to the Fisheries Enhancement Revolving Loan Fund and is now debt free.
- Forty-one million pink salmon were produced by Prince William Sound hatcheries.
- More than 75% of all fish caught in the commercial common property fisheries of Prince William Sound were produced by area hatcheries.
- The harvest of pink salmon from the CIAA-operated Tutka Hatchery accounted for 71% of the total commercial common property harvest of pink salmon in Cook Inlet.
- The preliminary 1999 Kodiak enhanced salmon harvest of 7.6 million fish represented about 29% of the total Kodiak commercial harvest. Enhancement project contributions provided 35% of the total coho harvest.

Figure 1. Percent returns to enhancement projects in 1999, by species.

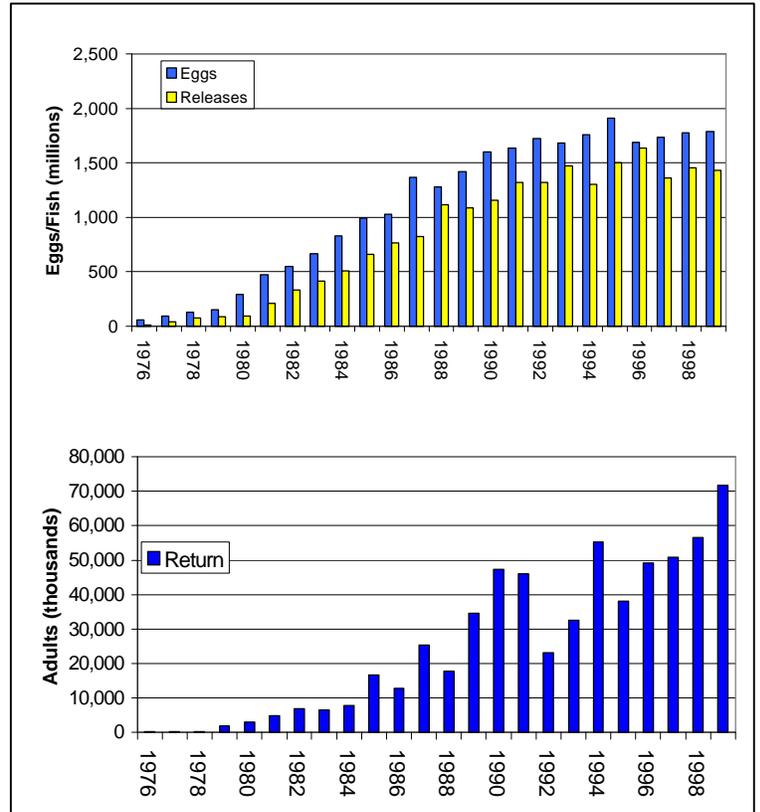
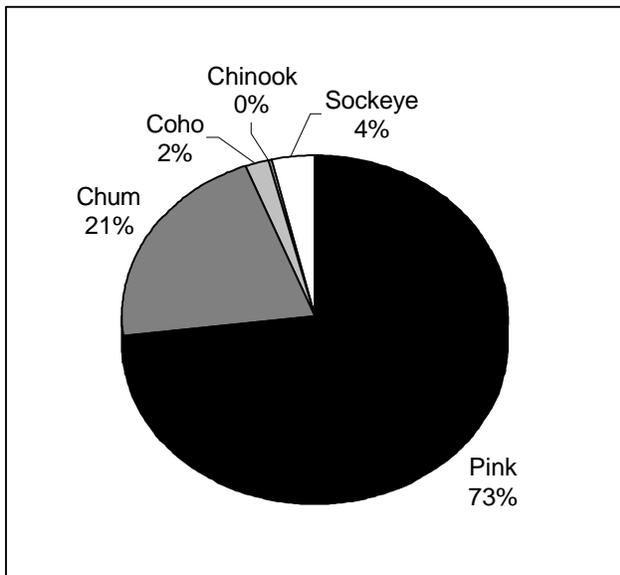


Figure 2. Total egg takes, releases and returns to the enhancement program in 1999.

- The Norton Sound/Bering Sea Regional Aquaculture Association erected an incubation building on Hobson Creek of the Nome River with incubators and plumbing to be completed this winter and eggs to be taken in 2000.

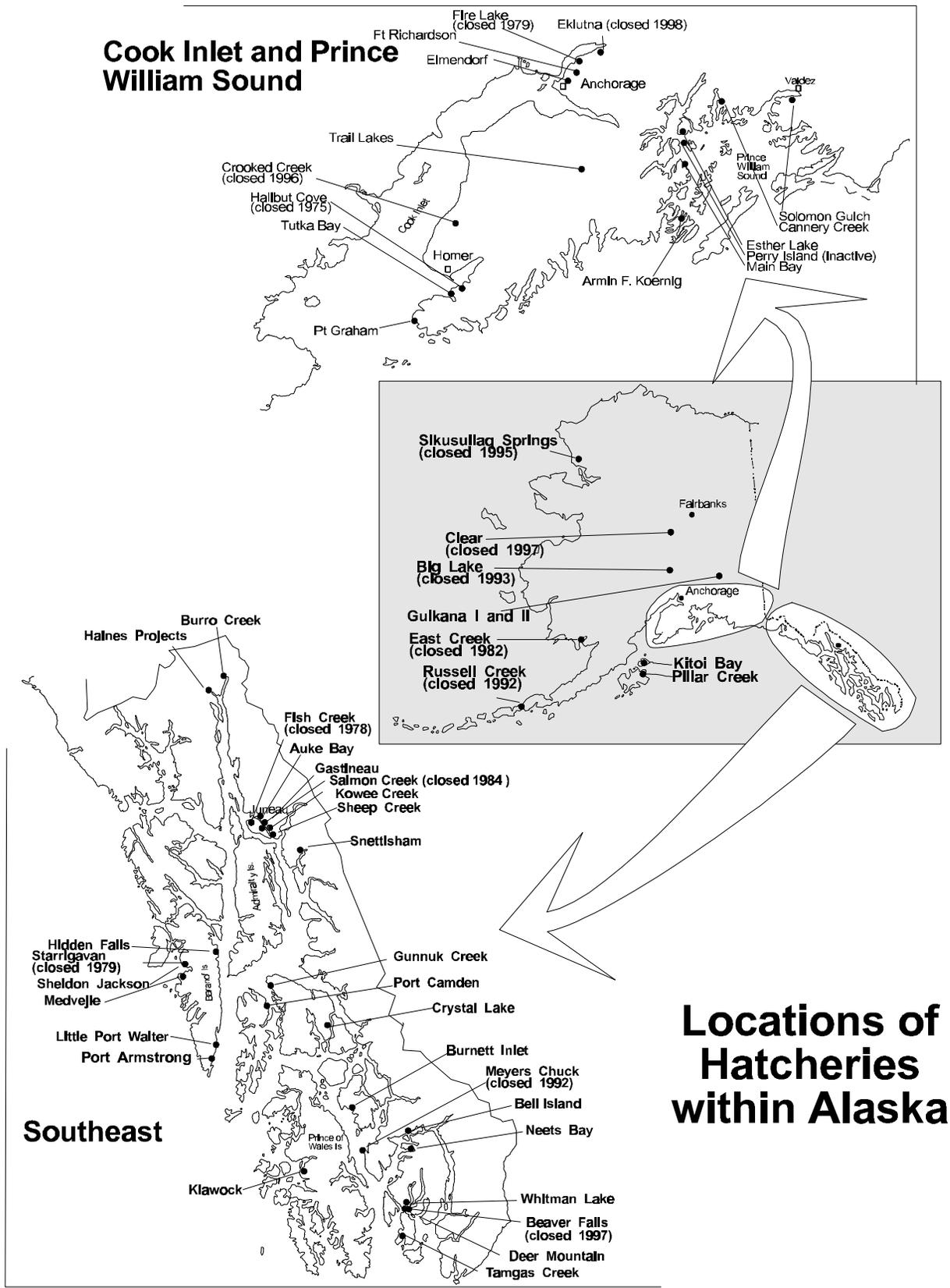


Figure 3. Locations of Alaska hatcheries

Table 1. Total egg takes, releases, and returns to the Alaska salmon enhancement program in 1999.

Estimated egg takes from Alaska hatcheries, in millions, 1999.

Region	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast	98.23	430.89	18.57	9.71	13.74	0.11	<b>571.25</b>
Prince William Sound	680.41	111.01	2.58	0.00	45.85	0.00	<b>839.85</b>
Cook Inlet	122.09	0.00	2.37	2.29	22.63	3.47	<b>152.84</b>
Kodiak/Alaska Peninsula	190.98	29.21	2.06	0.00	8.32	0.00	<b>230.57</b>
<b>Totals</b>	<b>1,091.71</b>	<b>571.11</b>	<b>25.59</b>	<b>12.00</b>	<b>90.54</b>	<b>3.58</b>	<b>1,794.52</b>

Estimated releases from Alaska hatcheries, in millions, 1999.

Region	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast	83.20	354.71	15.55	6.57	12.37	0.05	<b>472.45</b>
Prince William Sound	602.13	99.30	2.93	0.00	37.80	0.00	<b>742.16</b>
Cook Inlet	64.75	0.00	1.98	1.44	10.94	2.36	<b>81.47</b>
Kodiak/Alaska Peninsula	127.69	6.86	1.56	0.00	5.41	0.00	<b>141.52</b>
<b>Totals</b>	<b>877.77</b>	<b>460.86</b>	<b>22.03</b>	<b>8.00</b>	<b>66.52</b>	<b>2.41</b>	<b>1,437.59</b>

Total returns attributed to Alaska hatcheries and enhancement projects, 1999.

Region	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
Southeast	4,969,928	12,046,703	1,169,158	85,359	322,105	12	<b>18,593,265</b>
Prince William Sound	41,203,882	2,851,335	139,423	1,383	609,006	0	<b>44,805,029</b>
Cook Inlet	1,261,757	0	97,018	19,612	639,194	111,057	<b>2,128,638</b>
Kodiak/Alaska Peninsula	4,537,317	173,714	135,963	0	995,961	0	<b>5,842,955</b>
<b>Totals</b>	<b>51,972,884</b>	<b>15,071,752</b>	<b>1,541,562</b>	<b>106,354</b>	<b>2,566,266</b>	<b>111,069</b>	<b>71,369,887</b>



Remains of Beaver Falls Hatchery, once operated by SSRAA, closed in 1997. Crushed under snow, winter of 1998-1999.

Table 2. Alaska enhancement/common property commercial harvest of enhanced fish, in thousands, 1999.

Area	Harvest <sup>a</sup>	Chinook	Sockeye	Coho	Pink	Chum	Total
Southeast	Total Commercial Harvest	190	1,160	3,570	77,700	14,900	97,520
	Total Cost Recovery Harvest	16	25	357	3,263	3,584	7,245
	<i>Common Property Harvest</i>	174	1,135	3,213	74,437	11,316	90,275
	Enhanced Fish Harvested	34	130	723	825	7,802	9,514
	% Enhanced in Total CP Harvest <sup>u</sup>	19.8%	11.5%	22.5%	1.1%	68.9%	10.5%
Prince William Sound	Total Commercial Harvest	63	2,030	245	45,000	2,990	50,328
	Total Cost Recovery Harvest	0	29	13	13,502	777	14,321
	<i>Common Property Harvest</i>	63	2,001	232	31,498	2,213	36,007
	Enhanced Fish Harvested	0	412	68	24,466	1,840	26,786
	% Enhanced in Total CP Harvest	0.0%	20.6%	29.4%	77.7%	83.1%	74.4%
Cook Inlet	Total Commercial Harvest	16	3,157	133	1,156	182	4,644
	Total Cost Recovery Harvest	0	182	2	858	16	1,058
	<i>Common Property Harvest</i>	16	2,975	131	298	166	3,586
	Enhanced Fish Harvested	1	347	6	222	0	576
	% Enhanced in Total CP Harvest	6.3%	11.7%	4.6%	74.5%	0.0%	16.1%
Kodiak	Total Commercial Harvest	18	4,650	296	11,900	914	17,778
	Total Cost Recovery Harvest	0	0	0	0	0	0
	<i>Common Property Harvest</i>	18	4,650	296	11,900	914	17,778
	Enhanced Fish Harvested	0	840	116	4,057	141	5,154
	% Enhanced in Total CP Harvest	0.0%	18.1%	39.2%	34.1%	15.4%	29.0%
Chignik/Aleutian Islands/ Alaska Peninsula	Total Commercial Harvest	13	7,850	335	10,134	1,008	19,340
	Enhanced Fish Harvested	0	0	0	0	0	0
	% Enhanced in Total CP Harvest	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bristol Bay	Total Commercial Harvest	28	25,300	20	0	716	26,064
	Enhanced Fish Harvested	0	0	0	0	0	0
	% Enhanced in Total CP Harvest	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Arctic-Yukon-Kuskokwim	Total Commercial Harvest	97	81	47	0	269	494
	Enhanced Fish Harvested	0	0	0	0	0	0
	% Enhanced in Total CP Harvest	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Total</b>	Total Commercial Harvest	425	44,228	4,646	145,890	20,979	216,168
	Total Cost Recovery Harvest	16	236	372	17,623	4,377	22,625
	<i>Common Property Harvest</i>	409	43,992	4,274	128,267	16,602	193,543
	Enhanced Fish Harvested	35	1,729	913	29,570	9,783	42,030
	% Enhanced in Total CP Harvest	8.7%	3.9%	21.4%	23.1%	58.9%	21.7%

<sup>a</sup> Total commercial harvest includes fish caught by all commercial gear types, which includes cost recovery harvested fish.

<sup>b</sup> CP = common property

Table 3. Fishery enhancement program time line of events.

Year	Event	Number of State	Number of Private Nonprofit	Number of Federal
1934	Federal research station Little Port Walter constructed			1
1950	Federal hatchery at Auke Creek constructed			2
1953	1 territorial hatchery constructed (Kitoi Bay)	1		
1954	1 territorial hatchery constructed (Deer Mountain)	2		
1958	1 territorial hatchery constructed (Ft. Richardson)	3		
1965	1 state hatchery constructed (Fire Lake)	4		
1969	1 state hatchery constructed (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 (Elmendorf)	12		
	2 PNP permits issued (Burnett Inlet (#5) and Kowee Creek (#6))		6	
1977	1 PNP permit issued (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 (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 (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		
	2 state hatcheries constructed (Sikusuiq and Trail Lakes)	19		
	4 PNP permits issued (Medveje (#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 (Santa Anna (#21))		21	
1985	1 PNP permit issued (Port Camden (#23))		22	
1986	1 PNP permit issued (Beaver Falls (#24))		23	
1987	1 PNP permit issued (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 (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			

Table 3. Continued.

Year	Event	Number of State	Number of Private Nonprofit	Number of Federal
1993	3 state hatcheries transferred from CFMD Division to Sport Fish Division (Brood stock Development Center, Elmendorf, and Ft. Richardson) 2 state hatcheries contracted to private sector (Crooked Creek and Klawock) 1 state hatchery closed (Big Lake)	9 8		
1994	4 PNP permits issued (Tutka (#32), Crooked Creek (#35), Klawock (#36), Deer Mountain (#37)) 1 state hatchery contracted (Deer Mountain) Ft. Richardson Hatchery merged with Broodstock Development Center	7 6	35	
1995	1 PNP hatchery under new management (Klawock (#38)) 1 state hatchery transferred from CFMD Division to Sport Fish Division (Crystal Lake) 1 state hatchery closed (Sikusuilag)	5		
1996	1 state hatchery contracted (Snettisham (#39)) 1 state hatchery transferred from CFMD Division to Sport Fish Division (Clear) 3 PNP permits revoked (Crittenden Creek (#22), Santa Anna (#21), and Favorite Bay (#18))	4	36 33	
1997	1 state hatchery closed (Clear) 2 state contracted (PNP) hatcheries closed (Beaver Falls (#24), Crooked Creek (#35)) 1 PNP hatchery closed & reopened under new management (Burnett Inlet (#5, now #40))	3	31 31	
1998	1 PNP hatchery closed (Eklutna (#17))		30	

Note: Perry Island, Kowee Creek, Port Camden and Bell Island are not active PNP sites (total = 26 active operational PNPs)



*Incubators, Hidden Falls Hatchery-Baranof Island*

Table 4. Eggs taken at Alaska hatcheries in 1999, in millions.

Region/Operator/Location		Pink	Chum	Coho	Chinook	Sockeye	Other	Total
<b>Southeast</b>								
SSRAA	Whitman Lake		29.30	3.26	1.82			<b>34.38</b>
	Neets Bay		86.52	1.72				<b>88.25</b>
	Burnett Inlet			2.07		0.94		<b>3.01</b>
NSRAA	Hidden Falls		80.00	2.33	1.40			<b>83.73</b>
	Medvejie Creek	0.22	41.33	0.22	2.78			<b>44.55</b>
	Haines projects		1.74					<b>1.74</b>
AKI	Port Armstrong	89.08		1.50				<b>90.58</b>
BCF	Burro Creek	0.26	0.01	0.04	0.03			<b>0.34</b>
DIPAC	Sheep Creek	listed under Gastineau						<b>0.00</b>
	Gastineau	1.78	111.05	1.20	0.79			<b>114.81</b>
	Snettisham					12.08		<b>12.08</b>
KTHC	Deer Mountain			0.20	0.16			<b>0.36</b>
KNFC	Gunnuk Creek		73.24	0.05				<b>73.28</b>
POWHA	Klawock			2.30		0.71	0.02	<b>3.02</b>
SJC	Indian River	6.78	6.29	0.08	0.14			<b>13.29</b>
MIC	Tamgas Creek		1.40	3.40	0.58	0.02		<b>5.40</b>
Federal	Little Port Walter	0.11			0.50		0.09	<b>0.70</b>
	Auke Creek	No eggs in 1999						<b>0.00</b>
ADF&G	Crystal Lake			0.21	1.52			<b>1.74</b>
<b>Southeast Totals</b>		<b>98.23</b>	<b>430.89</b>	<b>18.57</b>	<b>9.71</b>	<b>13.74</b>	<b>0.11</b>	<b>571.25</b>
<b>Prince William Sound</b>								
PWSAC	Armin F. Koernig	161.89						<b>161.89</b>
	Wally Noerenberg	130.00	111.01	0.37				<b>241.38</b>
	Cannery Creek	149.85						<b>149.85</b>
	Main Bay					9.11		<b>9.11</b>
	Gulkana					36.74		<b>36.74</b>
VFDA	Solomon Gulch	238.67		2.21				<b>240.88</b>
<b>Prince William Sound Totals</b>		<b>680.41</b>	<b>111.01</b>	<b>2.58</b>	<b>0.00</b>	<b>45.85</b>	<b>0.00</b>	<b>839.85</b>
<b>Cook Inlet</b>								
PGHC	Port Graham	8.00				1.46		<b>9.46</b>
CIAA	Eklutna	No eggs in 1999						<b>0.00</b>
	Trail Lakes			0.87		21.16		<b>22.03</b>
	Tutka Bay	114.09						<b>114.09</b>
ADF&G	Elmendorf				1.03			<b>1.03</b>
	Ft. Richardson			1.50	1.26		3.47	<b>6.23</b>
<b>Cook Inlet Totals</b>		<b>122.09</b>	<b>0.00</b>	<b>2.37</b>	<b>2.29</b>	<b>22.63</b>	<b>3.47</b>	<b>152.84</b>
<b>Kodiak</b>								
KRAA	Kitoi Bay	190.98	29.21	1.97				<b>222.16</b>
	Pillar Creek			0.09		8.32		<b>8.41</b>
<b>Kodiak Totals</b>		<b>190.98</b>	<b>29.21</b>	<b>2.06</b>	<b>0.00</b>	<b>8.32</b>	<b>0.00</b>	<b>230.57</b>
<b>Statewide Totals</b>		<b>1,091.71</b>	<b>571.11</b>	<b>25.59</b>	<b>12.00</b>	<b>90.54</b>	<b>3.58</b>	<b>1,794.52</b>

Note 1. If eggs were transferred, they are listed by the hatchery that received them.

Note 2. Individual hatchery egg takes may not add up to the regional or statewide totals because of rounding.

Table 5. Alaska hatchery 1999 releases, in millions of fish.

Region/Operator/Location		Pink	Chum	Coho	Chinook	Sockeye	Other	Total
<b>Southeast</b>								
SSRAA	Whitman Lake			0.31	0.34			0.65
	Kendrick Bay		9.16					9.16
	Nakat Inlet		8.21	0.20				8.41
	Earl West Cove		8.00	0.23				8.23
	Neets Bay		72.14	2.75				74.89
Coop	Earl West Cove				0.36			0.36
	Neets Bay				0.82			0.82
	Whitman Lake				0.40			0.40
	Burnett Inlet			0.18		0.20		0.38
	Neck Lake			1.64				1.64
NSRAA	Hidden Falls		48.93	1.66	1.10			51.69
	Takatz		25.75					25.75
	Medvejie Creek	0.27	5.30	0.03	1.60			7.20
	Deep Inlet		34.54					34.54
	Deer Lake			2.53				2.53
	Haines projects		1.32			0.43		1.76
AAC	Bell Island	NO RELEASES IN 1999						0.00
AKI	Port Armstrong	73.27		0.63				73.89
BCF	Burro Creek	0.21	0.01	0.05	0.02			0.29
DIPAC	Sheep Creek	NO RELEASES IN 1999						0.00
	Gastineau	5.67	21.99	0.78	0.22			28.67
	Amalga Harbor		50.74					50.74
	Boat Harbor		9.26					9.26
	Limestone Inlet		14.47					14.47
	Fish Cr/Auke Bay/Twin L				0.37			0.37
	Snettisham					10.87		10.87
KTHC	Deer Mountain			0.06	0.05		0.01	0.11
KNFC	Gunnuk Creek		43.06	0.01				43.07
SJC	Sheldon Jackson	3.78	1.38	0.02	0.01			5.19
MIC	Tamgas Creek		0.45	3.09	0.50			4.04
POWHA	Klawock			1.30		0.87	0.00	2.17
Federal	Little Port Walter				0.10		0.03	0.13
	Auke Creek	NO RELEASES IN 1999						0.00
ADF&G	Crystal Lake			0.10	0.67			0.77
<b>Southeast Totals</b>		<b>83.20</b>	<b>354.71</b>	<b>15.55</b>	<b>6.57</b>	<b>12.37</b>	<b>0.05</b>	<b>472.45</b>
<b>Prince William Sound</b>								
PWSAC	Armin F. Koernig	133.16						133.16
	Wally Noerenberg	123.87	75.02	0.83				199.72
	Port Chalmers		24.27					24.27
	Whittier			0.08				0.08
	Cordova			0.10				0.10
	Chenega			0.06				0.06
	Gulkana I and II					30.73		30.73
	Cannery Creek	131.20						131.20
	Main Bay					7.07		7.07
VFDA	Solomon Gulch	213.91		1.86				215.77
<b>Prince William Sound Totals</b>		<b>602.13</b>	<b>99.30</b>	<b>2.93</b>	<b>0.00</b>	<b>37.80</b>	<b>0.00</b>	<b>742.16</b>
<b>Cook Inlet</b>								
PGHC	Port Graham	4.62				0.92		5.54
CIAA	Eklutna	No releases in 1999						0.00
	Trail Lakes- Bear Creek/Lake			0.87		7.33		8.19
	Kirschner/Leisure/Hazel					0.89		0.89
	Big Lake					0.20		0.20
	Hidden Lake					1.51		1.51
	Tutka Bay	60.13				0.10		60.23
ADF&G	Elmendorf			0.30	0.94		0.10	1.34
	Ft. Richardson			0.81	0.50		2.26	3.57
<b>Cook Inlet Totals</b>		<b>64.75</b>	<b>0.00</b>	<b>1.98</b>	<b>1.44</b>	<b>10.94</b>	<b>2.36</b>	<b>81.47</b>
<b>Kodiak</b>								
KRAA	Kitoi Bay	127.69	6.86	1.43		0.21		136.19
	Pillar Creek			0.13		5.21		5.33
<b>Kodiak Totals</b>		<b>127.69</b>	<b>6.86</b>	<b>1.56</b>	<b>0.00</b>	<b>5.41</b>	<b>0.00</b>	<b>141.52</b>
<b>Statewide Totals</b>		<b>877.77</b>	<b>460.86</b>	<b>22.03</b>	<b>8.00</b>	<b>66.52</b>	<b>2.41</b>	<b>1,437.59</b>

Table 6. Estimated adult returns, by species, to Alaska enhancement projects in 1999, including common property harvests, as reported by operators.

Region/Operator/Location		Pink	Chum	Coho	Chinook	Sockeye	Other	Total
<b>Southeast</b>								
SSRAA	Whitman Lake		307,674	65,057	7,666			380,397
	Neets Bay		2,358,612	186,924	1,973			2,547,509
	Neets Bay/Crystal Coop				404			404
	Burnett Inlet (under SSRAA)			58,043		205,600		263,643
NSRAA	Hidden Falls		2,714,699	251,074	22,330			2,988,103
	Medvejie Creek		3,662,701	311,151	25,916			3,999,768
	Haines projects		13,497			11,261		24,758
AAI	Burnett Inlet (under AAI)		782,677					782,677
AKI	Port Armstrong	4,327,788		20,244				4,348,032
BCF	Burro Creek	3,688	44	190	100			4,022
DIPAC	Sheep Creek		291,210					291,210
	Gastineau	511,327	1,415,697	120,353	3,560			2,050,937
	Snettisham					88,708		88,708
KNFC	Gunnuk Creek		475,187	1,120				476,307
SJC	Indian River	127,125	16,760	395	601			144,881
POWHA	Klawock			29,566		16,536		46,102
MIC	Tamgas Creek		7,945	102,761	6,239			116,945
Federal	Auke Creek			28				28
	Little Port Walter				3,270			3,270
COOP	Earl West Cove				4,771			4,771
ADF&G	Crystal Lake			6,738	7,290			14,028
KTHC	Deer Mountain			11,214	1,239		12	12,465
	Fish Pass/Other			4,300				4,300
<b>Southeast Totals</b>		<b>4,969,928</b>	<b>12,046,703</b>	<b>1,169,158</b>	<b>85,359</b>	<b>322,105</b>	<b>12</b>	<b>18,593,265</b>
<b>Prince William Sound</b>								
PWSAC	Armin F. Koernig	8,739,898	23,253					8,763,151
	Wally Noerenberg	9,466,850	2,826,995	6,971	1,383			12,302,199
	Cannery Creek	8,072,850						8,072,850
	Main Bay					157,765		157,765
	Gulkana					451,241		451,241
VFDA	Solomon Gulch	14,924,284	1,087	132,452				15,057,823
<b>Prince William Sound Totals</b>		<b>41,203,882</b>	<b>2,851,335</b>	<b>139,423</b>	<b>1,383</b>	<b>609,006</b>	<b>0</b>	<b>44,805,029</b>
<b>Cook Inlet</b>								
PGHC	Port Graham					18,568		18,568
CIAA	Eklutna			2,000		35,570		37,570
	Trail Lakes			6,329		544,967		551,296
	Tutka	1,261,757				40,089		1,301,846
ADF&G	Elmendorf			36,500	17,004			53,504
	Ft. Richardson			52,189	2,608		111,057	165,854
<b>Cook Inlet Totals</b>		<b>1,261,757</b>	<b>0</b>	<b>97,018</b>	<b>19,612</b>	<b>639,194</b>	<b>111,057</b>	<b>2,128,638</b>
<b>Kodiak</b>								
KRAA	Kitoi Bay	4,537,317	173,714	125,337		54,508		4,890,876
	Fish Pass/Other					807,338		807,338
	Pillar Creek			10,626		134,115		144,741
<b>Kodiak Totals</b>		<b>4,537,317</b>	<b>173,714</b>	<b>135,963</b>	<b>0</b>	<b>995,961</b>	<b>0</b>	<b>5,842,955</b>
<b>Statewide Totals</b>		<b>51,972,884</b>	<b>15,071,752</b>	<b>1,541,562</b>	<b>106,354</b>	<b>2,566,266</b>	<b>111,069</b>	<b>71,369,887</b>

See Table 16 for list of acronyms used throughout this report.

Table 7. Projected adult returns, by species, to Alaska enhancement projects in 2000.

Region/Operator/Location	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
<b>Southeast</b>							
SSRAA Whitman Lake			25,000	10,500			35,500
Earl West Cove		112,000	20,000				132,000
Nakat Inlet		115,000	16,000				131,000
Kendrick Bay		124,000					124,000
Neets Bay		3,686,000	185,000				3,871,000
Burnett Inlet (under SSRAA)			17,800				17,800
Neck Lake			160,000		15,000		175,000
Salmon					28,289		28,289
Virginia Lake					32,328		32,328
Hugh Smith Lake					17,494		17,494
McDonald Lake					135,242		135,242
NSRAA Hidden Falls		2,691,000	200,000	28,300			2,919,300
Medvejie Creek			560	24,600			25,160
Deep Inlet		3,000,000					3,000,000
Mist Cove/Deer Lake			120,000				120,000
Haines projects		11,477			8,132		19,609
Port Camden		22,000					22,000
AAI Burnett Inlet (under AAI)					40,000		40,000
AKI Port Armstrong	2,198,079		50,029				2,248,108
BCF Burro Creek	200	20	50	100			370
DIPAC Gastineau	115,200	950,057	78,366	1,367			1,144,990
Auke/Fish Creek				4,649			4,649
Amalga Harbor		1,065,483					1,065,483
Boat Harbor		120,255					120,255
Limestone Inlet		123,769					123,769
Sheep Creek			4,340				4,340
Snettisham					225,000		225,000
Crescent Lake					475		475
Sweetheart Lake					7,800		7,800
Chilkat Lake					33,000		33,000
Taku River					26,000		26,000
Stikine River					99,000		99,000
KTHC Deer Mountain			5,055	722		100	5,877
Ward Creek			5,345				5,345
KNFC Gunnuk Creek		321,780					321,780
Southeast Cove		378,535					378,535
SJC Indian River	75,594	27,550	812	954			104,910
Federal Auke Creek			200				200
Little Port Walter				2,000		200	2,200
POWH Klawock			49,402				49,402
ADF&C Crystal Lake			2,500	8,100			10,600
COOP Earl West Cove				8,100			8,100
<b>Southeast Totals</b>	<b>2,389,073</b>	<b>12,748,926</b>	<b>940,459</b>	<b>89,392</b>	<b>667,760</b>	<b>300</b>	<b>16,835,610</b>
<b>Prince William Sound</b>							
PWSA( Armin F. Koernig	5,800,000	83,000					5,883,000
Wally Noerenberg	5,600,000	2,600,000	86,500	870			8,287,370
Cannery Creek	6,000,000						6,000,000
Main Bay					292,100		292,100
Gulkana					446,300		446,300
VFDA Solomon Gulch	11,037,583	1,585	147,497				11,186,665
<b>Prince William Sound Totals</b>	<b>28,437,583</b>	<b>2,684,585</b>	<b>233,997</b>	<b>870</b>	<b>738,400</b>		<b>32,095,435</b>

Table 7. Continued.

Region/Operator/Location	Pink	Chum	Coho	Chinook	Sockeye	Other	Total
<b>Cook Inlet</b>							
PGHC Port Graham	162,000				28,000		190,000
CIAA Eklutna					85,630		85,630
Trail Lakes							0
Hazel/Leisure/ Chenik					152,000		152,000
Bruin/Ursus/Paint					4,000		4,000
Kirschner Lake					10,000		10,000
Packers Lake					57,500		57,500
Hidden Lake					102,000		102,000
Bear Lake			11,000		29,800		40,800
Tustumena Lake					786,000		786,000
Grouse Lake					183,200		183,200
Tutka Bay	1,383,000				14,700		1,397,700
ADF&C Elmendorf			48,000	16,300			64,300
Ft. Richardson			57,441	2,400		109,222	169,063
<b>Cook Inlet Totals</b>	<b>1,383,000</b>	<b>0</b>	<b>116,441</b>	<b>18,700</b>	<b>1,424,830</b>	<b>109,222</b>	<b>3,052,193</b>
<b>Kodiak</b>							
KRAA Kitoi Bay	1,309,688	170,296	166,567		62,000		1,708,551
Pillar Creek			5,500		361,100		366,600
<b>Kodiak Totals</b>	<b>1,309,688</b>	<b>170,296</b>	<b>172,067</b>	<b>0</b>	<b>423,100</b>	<b>0</b>	<b>2,075,151</b>
<b>Statewide Totals</b>	<b>33,519,344</b>	<b>15,603,807</b>	<b>1,462,964</b>	<b>#####</b>	<b>3,254,090</b>	<b>#####</b>	<b>54,058,389</b>



Buckets at Mist Cove/Deer Lake, Baranof Island

Table 8. Cumulative state loans and enhancement funds returned to associations and annual fish sales for private nonprofit hatcheries.

Region/Corporation (number of permits)	State Loans				Enhancement Funds Generated Through Assessments Returned to Associations via Contract		1999 Operator Reported Revenues <sup>1</sup>
	For Capital Construction		For Operations		FY 2000	Cumulative	
	FY 99	Cumulative	FY 99	Cumulative			
<b>Southern Southeast</b>							
SSRAA (Southern Southeast Regional Aquaculture Association) — (3)		\$ 9,393,000		\$ 4,492,309	\$1,177,207	\$28,880,773 note 2	\$ 4,104,333
AAI (Alaska Aquaculture, Inc.) — (0) <sup>4</sup>		\$ 3,469,418		\$ 4,678,794		NA	\$ 636,339
MCAA (Meyers Chuck Aquaculture Association) — (0) <sup>4</sup>		\$ 10,000				NA	
POWHA (Prince of Wales Hatchery Association) — (1)		\$ 400,000	\$ 339,000	\$ 860,000			\$ 83,689
<b>Northern Southeast</b>							
NSRAA (Northern Southeast Regional Aquaculture Association) — (4)		\$ 2,724,265		\$ 1,816,496	\$1,001,618	\$19,560,702 note 2	\$ 2,758,618
AKI (Armstrong-Keta, Inc.) — (1)		\$ 3,065,645		\$ 4,087,595		NA	\$ 1,787,356
BCF (Burro Creek Farms, Inc.) — (1)		\$ 143,500		\$ 290,875		NA	\$ 22,337
DIPAC (Douglas Island Pink and Chum, Inc.) — (4)		\$ 9,139,000		\$13,664,000		NA	\$ 3,410,524
KNFC (Kake Nonprofit Fisheries Corporation) — (1)	\$ 58,000	\$ 2,858,724	\$ 385,256	\$ 5,845,058		NA	\$ 636,339
SJC (Sheldon Jackson College) — (1)		\$ 423,624				NA	\$ 11,644
THFDC (Tlingit and Haida Fisheries Development Corporation) — (0) <sup>4</sup>		\$ 1,464,000		\$ 89,860		NA	
<b>Prince William Sound</b>							
PWSAC (Prince William Sound Aquaculture Corporation) — (3)		\$24,475,419	\$ 500	\$ 5,585,500	\$ 657,605	\$12,151,106 note 3	\$ 6,334,533
VFDA (Valdez Fisheries Development Association) — (1)		\$ 3,543,030	\$ 875,000	\$ 8,024,246		NA	\$ 2,947,219
<b>Cook Inlet</b>							
PGHC (Port Graham Hatchery Corporation) — (1)		\$ 235,000				NA	\$ 3,974
CIAA (Cook Inlet Aquaculture Association) — (4)		\$ 1,438,881		\$ 1,583,369	\$ 192,701	\$19,102,021 note 3	\$ 1,005,144
<b>Kodiak</b>							
KRAA (Kodiak Regional Aquaculture Association) — (2)					\$ 662,360	\$10,007,772 note 3	
<b>Chignik</b>							
CRAA (Chignik Regional Aquaculture Association) — (0)					\$ 169,373	\$ 2,061,523 note 3	
<b>Statewide Totals</b>	<b>\$ 58,000</b>	<b>\$62,783,506</b>	<b>\$1,599,756</b>	<b>\$51,018,102</b>	<b>\$3,860,864</b>	<b>\$92,413,897</b>	<b>\$23,742,049</b>

Sources: Anita Leitch and Ladd Macaulay, Department of Commerce and Economic Development — Fisheries Enhancement Revolving Loan Fund Program Overview; PNP annual reports.

<sup>1</sup> Data is preliminary and includes all reported revenue sources: cost recovery, carcass sale, donations, grants, etc.

<sup>2</sup> A 3% mandatory assessment tax was collected from commercial fishermen.

<sup>3</sup> A 2% mandatory assessment tax was collected from commercial fishermen.

<sup>4</sup> A struck through (example) corporation name indicates that the corporation is no longer active.

NA = not applicable

FY 99 = fiscal year (July 1, 1998–June 30, 1999)

Table 9(a). Summary of 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)
1965				1983	668	412	6,560
1966	NA	1	0	1984	829	506	7,689
1967	NA	1	0	1985	995	659	16,650
1968	NA	1	0	1986	1,026	762	12,808
1969	NA	1	0	1987	1,369	824	25,354
1970	NA	1	0	1988	1,280	1,114	17,820
1971	NA	1	0	1989	1,418	1,087	34,530
1972	NA	2	0	1990	1,603	1,154	47,422
1973	2	0	0	1991	1,634	1,319	46,109
1974	8	2	0	1992	1,725	1,323	23,187
1975	29	7	18	1993	1,685	1,475	32,609
1976	56	9	38	1994	1,758	1,302	55,172
1977	96	38	175	1995	1,913	1,503	38,062
1978	129	73	334	1996	1,687	1,638	49,229
1979	152	85	1,962	1997	1,734	1,363	50,839
1980	292	96	3,024	1998	1,776	1,453	56,468
1981	475	212	4,885	1999	1,791	1,435	71,259
1982	548	331	6,939	<b>Total</b>	<b>26,678</b>	<b>20,188</b>	<b>609,140</b>

Table does not include nonanadromous species.

Table 9(b). Summary of pink salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)	Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1974	4.95	0.45		1987	840.12	442.65	21,960.0
1975	15.46	5.22	17.55	1988	735.70	729.64	13,838.0
1976	23.44	4.45	16.20	1989	974.89	674.75	31,754.0
1977	66.39	18.43	175.00	1990	1,013.89	811.19	41,207.0
1978	79.26	49.86	321.00	1991	998.07	862.08	38,132.0
1979	91.00	59.56	1,591.00	1992	1,076.93	797.49	14,879.0
1980	173.80	64.28	2,310.00	1993	1,030.83	919.12	20,693.0
1981	327.60	134.66	4,371.00	1994	1,076.28	790.12	41,489.0
1982	343.96	218.18	6,610.00	1995	1,162.33	920.54	25,415.0
1983	406.39	263.80	5,939.00	1996	929.06	998.87	29,298.0
1984	442.63	331.94	5,298.00	1997	1,064.45	772.37	33,956.0
1985	603.56	365.90	14,158.00	1998	1,121.33	872.53	38,651.5
1986	511.33	484.00	9,044.00	<b>1999</b>	<b>1,091.71</b>	<b>877.77</b>	<b>51,972.9</b>

Table 9(c). Summary of chum salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)	Year	Egg Takes (millions)	Fry Releases (millions)	Total Returns (thousands)
1974	1.42	0.01		1987	379.72	298.49	1,930.0
1975	4.97	0.97		1988	391.63	288.35	2,490.0
1976	7.16	2.37		1989	293.20	310.22	1,347.0
1977	7.61	2.59	0.80	1990	450.20	241.23	2,039.0
1978	11.79	4.13	2.81	1991	480.21	365.19	2,181.0
1979	24.30	6.83	5.73	1992	510.00	427.54	3,089.0
1980	73.92	13.21	16.10	1993	495.62	468.53	6,709.0
1981	87.36	45.72	53.00	1994	528.81	407.22	8,996.0
1982	125.61	63.15	153.00	1995	595.93	473.30	9,808.0
1983	170.12	85.56	301.00	1996	589.76	535.44	16,353.0
1984	269.19	107.83	1,809.00	1997	523.58	485.44	12,595.0
1985	243.61	201.04	1,404.00	1998	517.11	479.20	13,468.2
1986	374.08	181.64	1,931.00	<b>1999</b>	<b>571.11</b>	<b>460.86</b>	<b>15,071.8</b>

Table 9(d). Summary of coho salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry	Total	Year	Egg Takes (millions)	Fry	Total
		Releases (millions)	Returns (thousands)			Releases (millions)	Returns (thousands)
1966	NA	0.51		1983	16.97	8.95	96.3
1967	NA	0.93		1984	21.07	10.85	179.5
1968	NA	0.85		1985	20.43	14.87	307.6
1969	NA	0.83		1986	23.71	13.45	646.8
1970	NA	0.75		1987	25.52	14.92	450.6
1971	NA	0.44		1988	28.06	18.79	250.8
1972	NA	1.66		1989	22.88	16.35	488.6
1973	NA	1.94		1990	21.96	17.63	939.6
1974	NA	1.91		1991	23.00	14.35	1,251.0
1975	7.07	3.60	0.10	1992	21.42	14.31	1,378.0
1976	5.03	3.30	22.00	1993	25.06	14.59	915.0
1977	4.77	4.74		1994	27.56	17.78	1,306.0
1978	4.89	3.18		1995	26.59	20.76	1,312.0
1979	4.07	2.56	48.56	1996	30.12	21.11	1,087.0
1980	4.05	2.23	21.21	1997	35.98	22.57	1,456.0
1981	7.78	3.37	54.96	1998	30.09	21.12	1,364.8
1982	16.10	3.29	108.20	<b>1999</b>	<b>25.59</b>	<b>22.03</b>	<b>1,541.6</b>

Table 9(e). Summary of chinook salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry	Total	Year	Egg Takes (millions)	Fry	Total
		Releases (millions)	Returns (thousands)			Releases (millions)	Returns (thousands)
1966	NA	0.17		1983	7.10	1.54	13.3
1967	NA	0.54		1984	10.02	3.68	20.8
1968	NA	0.08		1985	19.37	4.23	26.2
1969	NA	0.10		1986	15.84	5.95	40.2
1970	NA	0.05		1987	16.65	7.91	93.2
1971	NA	0.22		1988	17.64	8.91	74.7
1972	NA	0.18		1989	14.50	8.09	75.9
1973	NA	0.33		1990	17.41	10.02	115.9
1974	0.16	0.55		1991	19.99	6.87	171.7
1975	0.53	0.16		1992	13.01	9.77	130.9
1976	1.42	0.25		1993	11.81	11.55	111.9
1977	3.02	1.01		1994	13.16	9.82	125.9
1978	2.37	0.93	0.04	1995	13.62	6.91	170.6
1979	1.88	1.22	3.22	1996	11.19	7.05	171.0
1980	2.57	0.79	6.57	1997	11.68	7.33	150.0
1981	1.34	0.67	5.12	1998	12.75	8.08	104.2
1982	3.23	0.94	11.96	<b>1999</b>	<b>12.00</b>	<b>8.00</b>	<b>106.4</b>

Table 9(f). Summary of sockeye salmon production from Alaska hatcheries and enhancement projects.

Year	Egg Takes (millions)	Fry	Total	Year	Egg Takes (millions)	Fry	Total
		Releases (millions)	Returns (thousands)			Releases (millions)	Returns (thousands)
1972	NA	0.02		1986	101.29	77.34	1,146.0
1973	1.55	0.19		1987	106.52	60.26	920.0
1974	1.56	0.51		1988	107.24	68.72	1,166.0
1975	7.93	1.00		1989	112.05	77.37	864.0
1976	23.89	2.17		1990	99.71	74.38	3,120.0
1977	18.71	13.81	0.32	1991	113.00	70.08	4,373.0
1978	35.14	16.40	13.19	1992	103.68	74.34	3,710.0
1979	30.35	17.10	318.00	1993	122.05	60.74	4,180.0
1980	37.52	15.18	670.00	1994	112.18	76.73	3,255.0
1981	50.81	27.56	401.00	1995	114.85	81.30	1,356.0
1982	58.85	45.29	56.30	1996	127.29	75.19	2,320.0
1983	67.88	52.54	210.10	1997	98.07	75.48	2,682.0
1984	86.39	51.78	382.20	1998	95.05	71.68	2,879.5
1985	108.36	72.51	754.40	<b>1999</b>	<b>90.54</b>	<b>66.52</b>	<b>2,566.3</b>

NA = not available

Table 10(a). Summary of statewide salmon production (all species) from private nonprofit hatcheries in Alaska, as reported by operators.

Year	Egg Take	Fry Release	Total Return	Special Harvest	Cost Recovery Revenue
1975	8,091,395				
1976	16,622,881	3,719,741			
1977	37,008,186	12,360,354	160,147	109,000	
1978	37,346,167	26,796,238	160,967	215,000	
1979	54,295,879	29,131,774	356,501	253,000	\$272,000
1980	125,740,500	35,587,200	1,506,466	346,000	\$482,000
1981	223,600,000	101,600,000	2,563,913	856,371	\$1,274,640
1982	234,390,000	126,990,000	5,340,720	1,364,178	\$1,170,000
1983	261,310,000	170,375,000	4,285,989	885,800	\$671,000
1984	372,880,000	217,730,000	4,764,144	1,043,490	\$1,655,000
1985	469,960,000	302,320,000	8,106,485	1,853,500	\$1,902,000
1986	522,200,000	380,890,000	7,903,526	1,212,280	\$1,861,000
1987	868,250,000	461,170,000	19,096,871	4,184,480	\$6,562,000
1988	1,045,620,000	819,800,000	14,343,654	2,497,700	\$8,789,000
1989	1,108,700,000	860,190,000	24,044,699	15,012,150	\$16,611,000
1990	1,249,160,000	925,210,000	42,405,072	10,387,600	\$12,898,000
1991	1,325,990,000	1,087,070,000	40,264,749	13,169,720	\$6,317,000
1992	1,427,710,000	1,075,180,000	18,174,631	7,254,980	\$10,239,000
1993	1,613,220,000	1,426,480,000	27,781,066	4,847,700	\$7,340,000
1994	1,725,820,000	1,267,520,000	52,022,989	15,906,400	\$17,104,000
1995	1,876,933,100	1,173,754,300	37,592,634	9,554,400	\$12,924,000
1996	1,735,200,000	1,631,820,000	48,946,278	14,657,100	\$14,325,000
1997	1,712,886,200	1,348,524,117	50,629,198	19,351,900	\$16,111,000
1998	1,759,285,000	1,443,568,066	56,153,697	15,651,450	\$14,535,000
1999	1,777,527,359	1,427,722,692	71,019,919	22,607,626	\$21,759,078
<b>Cumulative Hatchery Revenues from Special Harvests:</b>					<b>\$174,801,718</b>

Table 10(b). Summary of pink salmon production from private nonprofit hatcheries in Alaska.

Year	Egg Take	Fry Release	Total Return	Special Harvest
1975	8,002,395			
1976	16,251,456	3,653,666		
1977	35,383,112	12,093,184	160,147	109,000
1978	34,851,807	25,732,238	160,397	215,000
1979	46,582,015	28,204,674	356,498	253,000
1980	98,030,000	31,690,000	1,504,878	346,000
1981	188,000,000	78,800,000	2,491,345	838,000
1982	185,170,000	102,550,000	5,253,378	1,359,000
1983	185,520,000	126,890,000	4,086,552	843,000
1984	241,760,000	159,340,000	3,637,927	583,000
1985	339,910,000	199,490,000	7,404,789	1,699,000
1986	324,570,000	271,960,000	6,767,984	949,000
1987	618,350,000	299,260,000	17,963,785	3,625,000
1988	645,100,000	625,820,000	12,257,959	2,008,000
1989	805,870,000	553,090,000	22,561,056	14,529,000
1990	788,710,000	684,790,000	39,919,911	9,846,000
1991	830,860,000	704,330,000	37,081,341	12,367,000
1992	882,920,000	648,470,000	13,200,079	5,977,000
1993	1,028,760,000	919,680,000	19,844,303	2,740,000
1994	1,075,310,000	787,440,000	40,939,000	13,384,000
1995	1,162,330,000	620,540,000	25,415,000	6,819,000
1996	929,060,000	998,870,000	29,298,000	9,401,000
1997	1,064,450,000	772,370,000	33,956,000	14,027,000
1998	1,121,330,000	872,530,000	38,651,500	10,693,000
<b>1999</b>	<b>1,091,705,100</b>	<b>877,768,463</b>	<b>51,972,884</b>	<b>17,622,753</b>

Table 10(c). Summary of chum salmon production from private nonprofit hatcheries in Alaska.

Year	Egg Take	Fry Release	Total Return	Special Harvest
1975	77,000			
1976	347,275	66,075		
1977	1,614,574	264,068		
1978	1,684,930	1,064,000	543	
1979	6,782,864	924,400	3	
1980	26,850,000	3,340,000	1,588	
1981	32,400,000	21,900,000	20,518	12,230
1982	46,130,000	23,590,000	22,133	378
1983	68,790,000	41,770,000	126,783	35,400
1984	122,170,000	54,780,000	1,001,449	437,000
1985	119,450,000	97,880,000	525,088	123,000
1986	181,450,000	100,490,000	779,637	189,000
1987	234,500,000	149,790,000	955,294	499,000
1988	369,610,000	186,050,000	1,835,164	470,000
1989	267,030,000	286,770,000	1,102,191	298,000
1990	425,410,000	216,860,000	1,632,539	370,000
1991	441,530,000	359,270,000	1,958,538	404,000
1992	495,360,000	394,260,000	3,078,557	706,000
1993	457,690,000	451,720,000	6,386,907	1,782,000
1994	520,120,000	402,220,000	8,783,080	2,128,000
1995	590,160,000	463,440,000	9,799,995	2,252,000
1996	651,220,000	533,690,000	16,204,661	4,782,000
1997	516,711,200	477,058,117	13,250,198	4,643,000
1998	512,535,000	478,798,066	13,423,262	4,355,450
<b>1999</b>	<b>567,705,530</b>	<b>460,411,640</b>	<b>15,071,752</b>	<b>4,360,780</b>

Table 10(d). Summary of coho salmon production from private nonprofit hatcheries in Alaska.

Year	Egg Take	Fry Release	Total Return	Special Harvest
1975	12,000			
1976	24,150			
1977	10,500	3,102		
1978	809,430	0	27	
1979	931,000	2,700	0	
1980	666,500	557,200	0	
1981	2,800,000	900,000	52,050	6,141
1982	2,870,000	700,000	61,709	2,100
1983	6,200,000	1,570,000	71,781	7,400
1984	6,300,000	3,230,000	121,112	22,300
1985	4,100,000	4,220,000	168,427	29,500
1986	8,300,000	4,280,000	344,749	73,000
1987	9,280,000	5,440,000	169,149	58,300
1988	13,310,000	4,720,000	122,186	11,000
1989	13,740,000	9,040,000	305,048	88,700
1990	14,470,000	10,730,000	691,680	141,000
1991	16,120,000	11,500,000	1,001,338	368,000
1992	16,510,000	10,280,000	1,070,086	378,000
1993	19,150,000	11,100,000	657,208	144,000
1994	24,280,000	12,640,000	1,189,140	240,000
1995	21,535,600	13,868,300	966,222	319,000
1996	27,700,000	19,570,000	1,041,009	253,000
1997	25,930,000	18,044,000	921,000	258,000
1998	23,370,000	16,530,000	1,123,598	342,000
<b>1999</b>	<b>20,468,600</b>	<b>17,729,645</b>	<b>1,339,074</b>	<b>371,803</b>

Table 10(e). Summary of chinook salmon production from private nonprofit hatcheries in Alaska

Year	Egg Take	Fry Release	Total Return	Special Harvest
1980	194,000			
1981	400,000			
1982	220,000	150,000	3,500	2,700
1983	800,000	140,000	872	
1984	2,730,000	380,000	3,656	1,190
1985	6,180,000	720,000	8,181	2,000
1986	6,580,000	4,050,000	11,156	1,280
1987	4,550,000	5,940,000	8,643	2,180
1988	7,010,000	2,210,000	23,246	8,700
1989	7,330,000	3,270,000	36,572	17,750
1990	8,790,000	4,700,000	59,726	22,100
1991	10,000,000	3,900,000	69,926	25,700
1992	7,400,000	6,210,000	42,401	22,980
1993	4,900,000	6,920,000	53,843	25,700
1994	6,030,000	5,510,000	57,969	15,400
1995	6,260,000	3,600,000	98,024	28,400
1996	7,900,000	4,410,000	96,928	34,100
1997	7,806,000	4,519,000	85,000	31,900
1998	6,970,000	5,080,000	75,818	19,000
<b>1998</b>	<b>7,108,929</b>	<b>5,292,619</b>	<b>69,943</b>	<b>16,397</b>

Table 10(f). Summary of sockeye salmon production from private nonprofit hatcheries in Alaska

Year	Egg Take	Fry Release	Total Return	Special Harvest
1985	310,000			
1986	1,295,700	102,000		
1987	1,570,000	750,000		
1988	10,590,000	1,000,000	66,499	
1989	14,740,000	8,030,000	39,832	78,700
1990	11,780,000	8,140,000	101,216	8,500
1991	27,480,000	8,070,000	153,606	5,020
1992	25,530,000	15,960,000	783,508	171,000
1993	102,720,000	37,060,000	838,805	156,000
1994	100,080,000	59,710,000	1,053,800	139,000
1995	96,647,500	72,306,000	1,313,393	136,000
1996	119,320,000	75,280,000	2,305,680	187,000
1997	97,989,000	76,533,000	2,417,000	392,000
1998	95,080,000	70,630,000	2,879,519	242,000
<b>1999</b>	<b>90,539,200</b>	<b>66,520,325</b>	<b>2,566,266</b>	<b>235,893</b>

Note: Includes only data from private nonprofit hatcheries; does not include federal or state hatchery data.

Table 11. Alaska commercial salmon fishery harvest weights and prices, 1999.

Area/Species	Average Harvest	
	Weight (lb)	Price/lb.
<b>Cook Inlet</b>		
Chinook	25.0	1.10
Sockeye	6.1	1.39
Coho	5.1	0.40
Pink	2.9	0.15
Chum	7.0	0.20
<b>Kodiak</b>		
Chinook	12.6	0.75
Sockeye	5.3	1.00
Coho	7.2	0.45
Pink	3.0	0.12
Chum	7.9	0.15
<b>Prince William Sound</b>		
Chinook	21.4	2.63
Sockeye	6.0	1.45
Coho	8.3	0.25
Pink	3.0	0.15
Chum	8.1	0.18
<b>Southeast</b>		
Chinook	15.3	1.53
Sockeye	6.0	1.24
Coho	5.4	0.94
Pink	3.0	0.14
Chum	9.4	0.19

Data from Herman Savikko, ADF&G, as of 10/14/99, based on total commercial fishery.

Table 12. Alaska state hatchery FY 99 operating budgets, in thousands of dollars.

Hatchery	FY 99	FY 99
	Authorized Total	Actual Total
Elmendorf Hatchery	\$ 563.32	\$ 584.00
Ft. Richardson Hatchery	\$1,294.78	\$1,325.40
Crystal Lake Hatchery	\$ 599.00	\$ 589.60

Data from Division of Sport Fish, Peggy Bray 2/2000

Table 13. Detailed return information, by species, to 1999 Alaska enhancement program projects.

13(a). Estimated pink salmon returns to Alaska hatcheries in 1999, including common property harvests, as reported by operators.

Region/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Other	Cost Recovery			Total
		Seine	Gillnet	Troll	Sport			Brood	Harvest	Escapement	
<b>Southeast</b>											
AKI	Port Armstrong	805,200						256,248	3,164,588	101,752	<b>4,327,788</b>
BCF	Burro Creek	400	400	400	200			288		2,000	<b>3,688</b>
DIPAC	Gastineau				2,858			508,469			<b>511,327</b>
SJC	Indian River	18,662					2,684	7,526	98,253		<b>127,125</b>
<b>Southeast Totals</b>		<b>824,262</b>	<b>400</b>	<b>400</b>	<b>3,058</b>	<b>0</b>	<b>2,684</b>	<b>772,531</b>	<b>3,262,841</b>	<b>103,752</b>	<b>4,969,928</b>
<b>Prince William Sound</b>											
PWSAC	Armin F. Koernig	4,949,144					359,250	369,480	3,062,024		<b>8,739,898</b>
	Wally Noerenberg	4,728,431					500,000	384,664	3,853,755		<b>9,466,850</b>
	Cannery Creek	5,323,301					350,000	323,111	2,076,438		<b>8,072,850</b>
VFDA	Solomon Gulch	9,465,378			150,000		300,000	426,205	4,509,793	72,908	<b>14,924,284</b>
<b>Prince William Sound Totals</b>		<b>24,466,254</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>1,509,250</b>	<b>1,503,460</b>	<b>13,502,010</b>	<b>72,908</b>	<b>41,203,882</b>
<b>Cook Inlet</b>											
PGHC	Port Graham	No pink return in 1999									<b>0</b>
CIAA	Tutka	219,160	3,068		2,000			151,903	857,902	27,724	<b>1,261,757</b>
<b>Cook Inlet Totals</b>		<b>219,160</b>	<b>3,068</b>	<b>0</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>151,903</b>	<b>857,902</b>	<b>27,724</b>	<b>1,261,757</b>
<b>Kodiak</b>											
KRAA	Kitoi Bay	4,057,000						280,317		200,000	<b>4,537,317</b>
<b>Kodiak Totals</b>		<b>4,057,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>280,317</b>	<b>0</b>	<b>200,000</b>	<b>4,537,317</b>
<b>Statewide Totals</b>		<b>29,566,676</b>	<b>3,468</b>	<b>400</b>	<b>155,058</b>	<b>0</b>	<b>1,511,934</b>	<b>2,708,211</b>	<b>17,622,753</b>	<b>404,384</b>	<b>51,972,884</b>

13(b). Estimated chum salmon returns to Alaska hatcheries in 1999, including common property harvests, as reported by operators.

Common Property Harvest											
Region/Operator/Location		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
<b>Southeast</b>											
SSRAA	Whitman Lake										0
	Nakat Inlet – summer	36,965	45,046								82,011
	Earl West Cove – summer	74,116	38,419								112,535
	Kendrick Bay – summer	92,241	20,887								113,128
	Neets Bay – summer	396,883	74,085				82,261	95,014	1,485,026		2,133,269
	Neets Bay – fall	19,819	24,956				2,088	41,500	136,980		225,343
NSRAA	Medvejie Creek	2,602,058	608,452	67,348			10,040	29,728	343,375	1,700	3,662,701
	Hidden Falls	2,336,207					8,163	85,521	284,808		2,714,699
	Haines projects		1,681				2,521	1,413		7,882	13,497
AAI	Burnett Inlet	5,817	14,630						156,950		177,397
	Anita Bay	400,440	139,440						65,400		605,280
BCF	Burro Creek	5	5	5	5			16		8	44
DIPAC	Sheep Creek		130,078					54,855	106,277		291,210
	Gastineau		117,131		1,000			103,961	40,132		262,224
	Amalga	599	151,729	284					723,296		875,908
	Limestone Inlet		159,219								159,219
	Boat Harbor		118,346								118,346
KNFC	Gunnuk Creek	58,495		500	500		7,430	105,055	53,432	10,980	236,392
	Southeast Cove	59,517		500			3,000		175,778		238,795
SJC	Indian River	2,700						4,860	9,200		16,760
MIC	Tamgas Creek		3,766						3,429	750	7,945
<b>Southeast Totals</b>		<b>6,085,862</b>	<b>1,647,870</b>	<b>68,637</b>	<b>1,505</b>	<b>0</b>	<b>115,503</b>	<b>521,923</b>	<b>3,584,083</b>	<b>21,320</b>	<b>12,046,703</b>
<b>Prince William Sound</b>											
PWSAC	Wally Noerenberg	561,403	633,072					219,073	774,506		2,188,054
	Pt. Chalmers	638,941									638,941
	Armin F. Koernig	6,959					15,000		1,294		23,253
VFDA	Solomon Gulch						190		897		1,087
<b>Prince William Sound Totals</b>		<b>1,207,303</b>	<b>633,072</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,190</b>	<b>219,073</b>	<b>776,697</b>	<b>0</b>	<b>2,851,335</b>
<b>Kodiak</b>											
KRAA	Kitoy Bay	140,900						27,814		5,000	173,714
<b>Kodiak Totals</b>		<b>140,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27,814</b>	<b>0</b>	<b>5,000</b>	<b>173,714</b>
<b>Statewide Totals</b>		<b>7,434,065</b>	<b>2,280,942</b>	<b>68,637</b>	<b>1,505</b>	<b>0</b>	<b>130,693</b>	<b>768,810</b>	<b>4,360,780</b>	<b>26,320</b>	<b>15,071,752</b>

13(c). Estimated coho salmon returns to Alaska hatcheries in 1999, including common property harvests, as reported by operators.

Common Property Harvest											
Region/Operator/Location		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
<b>Southeast</b>											
SSRAA	Whitman Lake										0
	Earl West Cove	809	6,764	11,685	485						19,743
	Summer	492	8,230	16,730	1,872		1,027	1,288			29,639
	Nakat	670	5,814	8,432	759						15,675
	Neets Bay	4,548	52,006	104,292	10,660		578	1,017	13,823		186,924
	Burnett Inlet (SSRAA)	504	4,488	1,081	152		1,479	1,453			9,157
	Neck Lake	377	15,794	6,715	4,000				22,000		48,886
NSRAA	Medvejie Creek	129		688	109		19	139			1,084
	Deer Lake	34,022	181	146,818	5,543		1,120		105,900		293,584
	Shamrock Bay	30		12,717	3,430		300	6			16,483
	Hidden Falls	24,104	327	99,704	3,401		5,007	2,085	116,446		251,074
AKI	Port Armstrong	2,119		10,067	673				5,194	2,191	20,244
BCF	Burro Creek	30	30	30	25			45		30	190
DIPAC	Gastineau	3,435	4,984	38,482	12,067		432	2,683	58,270		120,353
KNFC	Gunnuk Creek	204	8	348						560	1,120
KTHC	Deer Mountain	974	1,323	1,215	744		1,508	137		682	6,583
	Ward Lake	337	1,097	971	676					1,550	4,631
SJC	Indian River			60	25		7	63		240	395
POWHA	Klawock Hatchery	1,420		9,579	3,189			1,880	4,992	8,506	29,566
MIC	Tamgas Creek		38,422	29,917	3,222				30,000	1,200	102,761
Fed	Auke Bay						28				28
ADF&G	Old Frank's Lake	1,769	1,273	1,258							4,300
	Crystal Lake Hatchery	295	704	4,661	5		826	247			6,738
<b>Southeast Totals</b>		<b>76,268</b>	<b>141,445</b>	<b>505,450</b>	<b>51,037</b>	<b>0</b>	<b>12,331</b>	<b>11,043</b>	<b>356,625</b>	<b>14,959</b>	<b>1,169,158</b>
<b>Prince William Sound</b>											
PWSAC	Wally Noerenberg	338			100		2,256	131			2,825
	Cordova/Whittier				4,000			146			4,146
VFDA	Solomon Gulch	67,232			50,000			2,541	12,679		132,452
<b>Prince William Sound Totals</b>		<b>67,570</b>	<b>0</b>	<b>0</b>	<b>54,100</b>	<b>0</b>	<b>2,256</b>	<b>2,818</b>	<b>12,679</b>	<b>0</b>	<b>139,423</b>
<b>Cook Inlet</b>											
CIAA	Eklutna		1,000		500		500				2,000
	Trail Lakes				2,500		391	939	2,499		6,329
ADF&G	Elmendorf				35,000	1,500					36,500
	Ft Richardardson/ Bear L							405			405
	Landlocked				33,441						33,441
	Jim Cr		1,023		1,600			118			2,741
	Little Susitna		3,689		10,500		714	206		493	15,602
<b>Cook Inlet Totals</b>		<b>0</b>	<b>5,712</b>	<b>0</b>	<b>83,541</b>	<b>1,500</b>	<b>1,605</b>	<b>1,668</b>	<b>2,499</b>	<b>493</b>	<b>97,018</b>
<b>Kodiak</b>											
KRAA	Kitoi Bay	115,900			300		913	7,224		1,000	125,337
	Pillar Creek- road system				1,000			52		9,574	10,626
<b>Kodiak Totals</b>		<b>115,900</b>	<b>0</b>	<b>0</b>	<b>1,300</b>	<b>0</b>	<b>913</b>	<b>7,276</b>	<b>0</b>	<b>10,574</b>	<b>135,963</b>
<b>Statewide Totals</b>		<b>259,738</b>	<b>147,157</b>	<b>505,450</b>	<b>189,978</b>	<b>1,500</b>	<b>17,105</b>	<b>22,805</b>	<b>371,803</b>	<b>26,026</b>	<b>1,541,562</b>

13(d). Estimated chinook salmon returns to Alaska hatcheries in 1999, including common property harvests, as reported by operators.

Common Property Harvest											
Region/Operator/Location		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
<b>Southeast</b>											
SSRAA	Whitman Lake		308	1,722	1,608		3,067	669			7,374
	Carroll Inlet			108	184						292
	Earl West Cove	761	3,292	474	244						4,771
	Neets Bay		20	502	277				1,174		1,973
	Neets Bay/Crystal Lake Coop			49	135				220		404
NSRAA	Medvejie Creek	899		5,484	2,074		6,465	1,390	9,604		25,916
	Hidden Falls	10,765	30	4,485	917		1,730	2,030	2,373		22,330
BCF	Burro Creek	15	15	10	20			15		25	100
DIPAC	Gastineau		631	268	1,771			642		248	3,560
KTHC	Deer Mountain Hatchery		48	141	415	29	210	70		326	1,239
SJC	Indian River			124	25		11	81		360	601
MIC	Tamgas Creek		551	401	136		1,448		3,026	677	6,239
Federal	Little Port Walter	121	25	1,404	170		1,360	190			3,270
ADF&G	Crystal Lake Hatchery		165	1,617	858		3,607	1,043			7,290
<b>Southeast Totals</b>		<b>12,561</b>	<b>5,085</b>	<b>16,789</b>	<b>8,834</b>	<b>29</b>	<b>17,898</b>	<b>6,130</b>	<b>16,397</b>	<b>1,636</b>	<b>85,359</b>
<b>Prince William Sound</b>											
PWSAC	Wally Noerenberg				460						460
	Chenega/Cordova				923						923
<b>Prince William Sound Totals</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1,383</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,383</b>
<b>Cook Inlet</b>											
ADF&G	Elmendorf										0
	Ninilchik River		726		602						1,328
	Ship Creek				2,394			74		519	2,987
	Deception Cr	150			100	100				50	400
	Homer Spit				11,794	273		222			12,289
	Ft. Richardson										0
	Deception Creek				1,630			200			1,830
	Ninilchik River				600			178			778
<b>Cook Inlet Totals</b>		<b>150</b>	<b>726</b>	<b>0</b>	<b>17,120</b>	<b>373</b>	<b>0</b>	<b>674</b>	<b>0</b>	<b>569</b>	<b>19,612</b>
<b>Statewide Totals</b>		<b>12,711</b>	<b>5,811</b>	<b>16,789</b>	<b>27,337</b>	<b>402</b>	<b>17,898</b>	<b>6,804</b>	<b>16,397</b>	<b>2,205</b>	<b>106,354</b>

13(e). Estimated sockeye salmon returns to Alaska hatcheries in 1999, including common property harvests, as reported by operators.

Common Property Harvest											
Region/Operator/Location		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
<b>Southeast</b>											
SSRAA	Beaver Falls – Virginia L	1,308	2,509								3,817
	Hugh Smith Lake	944	3,103					276		2,898	7,221
	Salmon Lake	725	604							15,700	17,029
SSRAA/ADF&G	McDonald Lake	56,190	22,169		200	7,000	2,426	286		89,262	177,533
POWHA	Klawock Hatchery	11,226					84	477		4,749	16,536
DIPAC	Snettisham – Gilbert Bay	283	3,221			1,505		95	4,412	400	9,916
	Snettisham-Speel	292	4,533				8,645	3,313	20,244	4,358	41,385
	Crescent L	170	1,667						157		1,994
	Chilkat L Coop		4,504				6,757				11,261
	Stikine		16,053				18,459				34,512
	Taku		611				290				901
<b>Southeast Totals</b>		<b>71,138</b>	<b>58,974</b>	<b>0</b>	<b>200</b>	<b>8,505</b>	<b>36,661</b>	<b>4,447</b>	<b>24,813</b>	<b>117,367</b>	<b>322,105</b>
<b>Prince William Sound</b>											
PWSAC	Main Bay-Eyak		705		300						1,005
	Coghill		24,514		500			7,104			32,118
	Eshamy		118,292								118,292
	Marsha				6,350						6,350
	Gulkana I and II		74,200		1,124	10,576	11,235	17,890		12,060	127,085
	Crosswind L		178,158		2,979	27,409	60,608		28,769		297,923
	Summit L		15,688		262	2,413				7,870	26,233
<b>Prince William Sound Totals</b>		<b>0</b>	<b>411,557</b>	<b>0</b>	<b>11,515</b>	<b>40,398</b>	<b>71,843</b>	<b>24,994</b>	<b>28,769</b>	<b>19,930</b>	<b>609,006</b>
<b>Cook Inlet</b>											
PGHC	Port Graham					2,564		1,234	660	14,110	18,568
CIAA	Eklutna		17,785				2,500		15,285		35,570
	Tutka		18,711				21,290		88		40,089
	Trail Lakes – Bear Creek	16,424			71			1,982	8,605	1,071	28,153
	Chenik									2,850	2,850
	Hidden L		36,493		256			2,096	585	33,812	73,242
	Paint R/Bruin/Ursus						2,410				2,410
	Packer's Creek		31,655		185		135		16,947	14,574	63,496
	Grouse/Salmon Creek				250		777		106,449		107,476
	Kirschner Lake	22,256					800		17,504		40,560
	China Poot/Hazel L	203,900			670	5,500	522		16,188		226,780
<b>Cook Inlet Totals</b>		<b>242,580</b>	<b>104,644</b>	<b>0</b>	<b>1,432</b>	<b>8,064</b>	<b>28,434</b>	<b>5,312</b>	<b>182,311</b>	<b>66,417</b>	<b>639,194</b>
<b>Kodiak</b>											
KRAA	Kitoi Bay	54,478			30						54,508
	Pillar Creek- L Kitoi	60,123			30						60,153
	Crescent L					1,000					1,000
	Duck Bay/Ruth L	3,000									3,000
	Afognak	33,953					2,000	1,534		91,826	129,313
	Hidden L/Foul Bay	44,192									44,192
	Malina L	19,000					3,000			26,191	48,191
	Paul's Basin	16,286					3,000			25,844	45,130
	Spiridon Lake	279,000	186,000							2,000	467,000
	Waterfall Bay	9,359									9,359
	Frazer Lake Fishpass	41,575	92,540								134,115
<b>Kodiak Totals</b>		<b>560,966</b>	<b>278,540</b>	<b>0</b>	<b>60</b>	<b>1,000</b>	<b>8,000</b>	<b>1,534</b>	<b>0</b>	<b>145,861</b>	<b>995,961</b>
<b>Statewide Totals</b>		<b>874,684</b>	<b>853,715</b>	<b>0</b>	<b>13,207</b>	<b>57,967</b>	<b>144,938</b>	<b>36,287</b>	<b>235,893</b>	<b>349,575</b>	<b>2,566,266</b>

Table 13(f). Estimated "other" enhanced fish returns to Alaska hatcheries in 1999.

Region/Operator/Location		Species	Commercial	Sport Catch	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
<b>Southeast</b>										
POWHA	Klawock	steelhead								0
DMTH	Deer Mountain	steelhead					12			12
<b>Southeast Totals</b>			0	0	0	0	12	0	0	12
<b>Cook Inlet</b>										
ADF&G	Ft. Richardson/Statewide lakes	Arctic char		5,436						5,436
		Arctic grayling		4,247						4,247
		Lake trout		1,960						1,960
		rainbow trout		99,414						99,414
<b>Cook Inlet Totals</b>			0	111,057	0	0	0	0	0	111,057
<b>Statewide Totals</b>			0	111,057	0	0	12	0	0	111,069

See Table 16 for listing of acronyms used throughout this report.

Table 14. Summary of fishery resource-permitted salmon production in Alaska for 1999.

Region/Permittee	Species	Maximum Number to be Released
<b>Southeast</b>		
Hoonah High School	COHO	250
Juneau-Douglas High School	COHO	3,000
Dzantiki Heeni Middle School	COHO	500
Kake High School	CHUM	500
White Cliff Elementary	COHO	250
SSRAA	SOCKEYE	120,000
Valley Park Elementary	COHO	100
Petersburg High School	PINK	50,000
Verstovia Elementary	CHUM	250
USDA Forest Service	COHO	100,000
Skagway Schools	PINK, COHO, CHINOOK	62,000
<b>Southcentral</b>		
Academy Charter School	COHO	250
Alaska SeaLife Center	SEARCHER	30
Alpenglow Elementary	COHO	250
Anchorage Montessori School	COHO	250
Aurora Elementary	COHO	250
Bayshore Elementary	COHO	250
Bear Valley Elementary	COHO	250
Birchwood ABC	COHO	250
Butte Elementary School	COHO	250
Central Schol of Science	COHO	250
Chapman School	COHO	300
Chester Valley School	COHO	250
Chinook Elementary	COHO	250
Chugiak High School	COHO	250
College Gate Elementary	COHO	250
Colony Middle School	COHO	250
Cooperative Extension Service	COHO	500
Denali Elementary	COHO	250
Dimond High School	COHO	250
Eagle River Elementary	COHO	250
Fairview Elementary	COHO	250
Finger Lake Elementary	COHO	250
Girdwood School	COHO	250
Gladys Wood Elementary	COHO	250
Goldenview Middle School	COHO	250
Goose Bay Elementary	COHO	250
Homer High School	COHO	1,000
Homestead Elementary	COHO	250
Huffman Elementary	COHO	250
Inlet View Elementary	COHO	250
Kasuun Elementary	COHO	250
Kenny Lake School	COHO	250
Kincaid Elementary	COHO	250
Klatt Elementary	COHO	250
Lake Hood Elementary	COHO	250
Midnight Sun Family Learning Center	COHO	100
Mirror Lake Middle School	COHO	250
Mt. View Elementary	COHO	250
Nanwalek Elem/High School	COHO	500
Nikiski Elementary School	COHO	250
Niniilchik School	COHO	500
Nunaka Valley	COHO	250
O'Malley Elementary	COHO	250
Orion Elementary	COHO	250
Palmer Middle School	COHO	500
Pioneer peak Elementary School	COHO	250
Polaris K-12	COHO	250
Rabbit Creek School	COHO	250
Redoubt Elementary	COHO	250
Rogers Park Elementary	COHO	250
SAVE I High School	COHO	250

Table 14. Continued.

Region/Permittee	Species	Maximum Number to be Released
Scenic Park Elementary	COHO	250
Sears Elementary School	COHO	250
Sherrod Elementary	COHO	250
Snowshoe Elementary	COHO	500
St.Elizabeth Ann Seton School	COHO	250
Susan B. English School	PINK	500
Susitna Elementary School	COHO	250
Swanson Elementary	COHO	50
Taku Elementary	COHO	250
Tanaina Elementary	COHO	250
Tudor School	COHO	250
Turnagain Elementary	COHO	250
Tustumena Elementary	COHO	250
Wasilla High School	COHO	250
Wasilla Middle School	COHO	500
Whittier Community School	COHO	500
Willow Crest Elementary	COHO	500
<b>Interior</b>		
Anderson School	COHO	250
Delta Junction High School	COHO	500
Joy Elementary	COHO	250
Metasta Lk-Katie John School	COHO	500
Nenana High School	COHO	500
Nenana School	COHO	250
North Pole Middle	COHO	500
Tok School	COHO	500
Tri-Valley School	COHO	500
Weller Elementary	CHAR, ARCTIC; COHO	250
<b>Western</b>		
Dillingham High School	COHO	500
East Elementary School	COHO	500
King Cove School	COHO, PINK	500
Main Elementary	COHO	50
Nikolski School	COHO	300
North Star School	COHO	100
Old Harbor School	COHO	500
Perryville School	COHO	500
Peterson Elementary School	COHO	200
Sand Point Schools	COHO	250
Togiak School	COHO	500
Unalaska High School	PINK, COHO	49,200



Incubator substrate, Hidden Falls Hatchery



Fish Ladder, Deer Mountain Hatchery

Table 15. Detailed return information, by species, to 1998 Alaska enhancement program projects.

[REDACTED] = updated information

(a). Estimated pink salmon returns to Alaska hatcheries in 1998, including common property harvests, as reported by operators.

Region/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
		Seine	Gillnet	Troll	Sport						
<b>Southeast</b>											
AKI	Port Armstrong	785,730					114,752	1,249,976	62,250	<b>2,212,708</b>	
BCF	Burro Creek	200	200	200			415		500	<b>1,615</b>	
DIPAC	Gastineau				5,642		165,619			<b>171,261</b>	
SJC	Indian River	62,199	9,000	5,625	1,875	4,418	12,034	122,704	25,000	<b>242,855</b>	
<b>Southeast Totals</b>		<b>848,129</b>	<b>9,200</b>	<b>5,825</b>	<b>7,617</b>	<b>0</b>	<b>4,418</b>	<b>292,820</b>	<b>1,372,680</b>	<b>87,750</b>	<b>2,628,439</b>
<b>Prince William Sound</b>											
PWSAC	Armin F. Koernig	4,965,782					300,000	344,049	1,633,369	<b>7,243,200</b>	
	Wally Noerenberg	4,938,691					900,000	265,820	2,438,089	<b>8,542,600</b>	
	Cannery Creek	5,102,449					600,000	305,879	1,317,772	<b>7,326,100</b>	
VFDA	Solomon Gulch	1,220,315			100,000		275,109	3,144,361	20,329	<b>4,760,114</b>	
<b>Prince William Sound Totals</b>		<b>16,227,237</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>1,800,000</b>	<b>1,190,857</b>	<b>8,533,591</b>	<b>20,329</b>	<b>27,872,014</b>
<b>Cook Inlet</b>											
PGHC	Port Graham						22,388			<b>22,388</b>	
CIAA	Tutka	495,595	12,255		<b>1,929</b>		153,580	787,538	17,437	<b>1,468,334</b>	
<b>Cook Inlet Totals</b>		<b>495,595</b>	<b>12,255</b>	<b>0</b>	<b>1,929</b>	<b>0</b>	<b>0</b>	<b>175,968</b>	<b>787,538</b>	<b>17,437</b>	<b>1,490,722</b>
<b>Kodiak</b>											
KRAA	Kitoi Bay	6,272,000					348,300		40,000	<b>6,660,300</b>	
<b>Kodiak Totals</b>		<b>6,272,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>348,300</b>	<b>0</b>	<b>40,000</b>	<b>6,660,300</b>	
<b>Statewide Totals</b>		<b>23,842,961</b>	<b>21,455</b>	<b>5,825</b>	<b>109,546</b>	<b>0</b>	<b>1,804,418</b>	<b>2,007,945</b>	<b>10,693,809</b>	<b>165,516</b>	<b>38,651,475</b>

(b). Estimated chum salmon returns to Alaska hatcheries in 1998, including common property harvests, as reported by operators.

= updated information

Region/Operator/Location		Common Property Harvest					Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
		Seine	Gillnet	Troll	Sport							
<b>Southeast</b>												
SSRAA	Whitman Lake											0
	Nakat Inlet – summer	183,724	135,668									319,392
	Nakat Inlet – fall	15,153	65,278									80,431
	Earl West Cove – summer	39,145	59,097									98,242
	Kendrick Bay – summer	478,416	11,895									490,311
	Neets Bay – summer	1,655,234	96,368				19,554	107,946	1,893,995			3,773,097
	Neets Bay – fall	56,234	15,756				9,112	37,888	180,013			299,003
NSRAA	Medveje Creek	2,044,829	493,744	100,894			18,006	26,104	335,371	1,017		3,019,965
	Hidden Falls	1,837,515					5,564	91,228	310,161	8,000		2,252,468
	Haines projects		2,602				3,903	1,156		4,384		12,045
AAI	Burnett Inlet								135,130			135,130
	Anita Bay								12,499			12,499
BCF	Burro Creek	3	2	1	1			7				14
DIPAC	Sheep Creek		59,921					52,501	88,776			201,198
	Gastineau		92,193		2,374			75,732	139,262			309,561
	Amalga		41,569	2,316					508,686			552,571
	Limestone Inlet		118,370									118,370
	Boat Harbor		72,154									72,154
KNFC	Gunnuk Creek	25,303		1,059	500		7,670	98,493	14,630	9,293		156,948
	Southeast Cove	37,208		1,559			1,500		189,996			230,263
SJC	Indian River	124	49				109	183	80	126		671
MIC	Tamgas Creek	12,000	28,000					260	25,000			65,260
<b>Southeast Totals</b>		<b>6,384,888</b>	<b>1,292,666</b>	<b>105,829</b>	<b>2,875</b>	<b>0</b>	<b>65,418</b>	<b>491,498</b>	<b>3,833,599</b>	<b>22,820</b>		<b>12,199,593</b>
<b>Prince William Sound</b>												
PWSAC	Wally Noerenberg	21,600	286,054					179,875	491,581			979,110
	Pt. Chalmers	202,300										202,300
VFDA	Solomon Gulch						2,100		30,171			32,271
<b>Prince William Sound Totals</b>		<b>223,900</b>	<b>286,054</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,100</b>	<b>179,875</b>	<b>521,752</b>	<b>0</b>		<b>1,213,681</b>
<b>Cook Inlet</b>												
CIAA	Eklutna								106			106
<b>Cook Inlet Totals</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>106</b>	<b>0</b>		<b>106</b>
<b>Kodiak</b>												
KRAA	Kitoi Bay	38,000						16,350		500		54,850
<b>Kodiak Totals</b>		<b>38,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,350</b>	<b>0</b>	<b>500</b>		<b>54,850</b>
<b>Statewide Totals</b>		<b>6,646,788</b>	<b>1,578,720</b>	<b>105,829</b>	<b>2,875</b>	<b>0</b>	<b>67,518</b>	<b>687,723</b>	<b>4,355,457</b>	<b>23,320</b>		<b>13,468,230</b>

(c). Estimated coho salmon returns to Alaska hatcheries in 1998, including common property harvests, as reported by operators.

= updated information

Region/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
		Seine	Gillnet	Troll	Sport						
<b>Southeast</b>											
SSRAA	Whitman Lake	2,843	7,449	9,932	1,095		469	532		22,320	
	Earl West Cove	195	3,032	5,418	211					8,856	
	Nakat	383	3,472	4,852	309					9,016	
	Neets Bay	8,368	49,164	110,228	13,896			4,227	46,267	232,150	
	Burnett Inlet (SSRAA)										
	Neck Lake	1,299	45,519	4,803	5,000				42,000	98,621	
NSRAA	Medveje Creek	154		549	111		152	199		1,165	
	Deer Lake	25,000	145	36,377	912		974		26,837	90,245	
	Shamrock Bay	716	24	14,234	3,021		11		358	18,614	
	Hidden Falls	39,138	879	64,575	3,750		8,843	2,586	62,096	182,367	
AKI	Port Armstrong	3,045		14,944	483			1,274	11,013	33,961	
BCF	Burro Creek			57	10				22	89	
DIPAC	Gastineau	1,704	6,003	26,750	15,624		6,282	1,241	46,782	104,386	
KNFC	Gunnuk Creek	105		392	18					1,030	
KTHC	Deer Mountain	1,189	1,263	335	267	5	728	135		4,172	
	Ward Lake	637	1,718	426	278			1,400		4,459	
SJC	Indian River			80	26			44		260	
POWHA	Klawock Hatchery	0	0	0	0		1,781	284	144	9,023	
MIC	Tamgas Creek	10,299	28,223	25,879	1,801			3,000	78,000	147,202	
ADF&G	Old Frank's Lake	980	705	697	65					3,501	
	Crystal Lake Hatchery	274	513	819	200	103	538	225		2,672	
<b>Southeast Totals</b>		<b>96,329</b>	<b>148,109</b>	<b>321,347</b>	<b>47,077</b>	<b>108</b>	<b>19,778</b>	<b>15,169</b>	<b>313,497</b>	<b>14,904</b>	<b>976,318</b>
<b>Prince William Sound</b>											
PWSAC	Wally Noerenberg		2,800		450		1,000	541		4,791	
	Cordova/Whittier				4,501					4,501	
VFDA	Solomon Gulch	23,717			50,000	1,627		2,761	19,068	1,119	98,292
<b>Prince William Sound Totals</b>		<b>23,717</b>	<b>2,800</b>	<b>0</b>	<b>54,951</b>	<b>1,627</b>	<b>1,000</b>	<b>3,302</b>	<b>19,068</b>	<b>1,119</b>	<b>107,584</b>
<b>Cook Inlet</b>											
CIAA	Eklutna				1,666				5	1,671	
	Trail Lakes				4,665			780	9,905	350	15,700
ADF&G	Elmendorf				46,236	1,782		224		48,242	
	Ft F Land locked lakes				34,472						
	Little Susitna		8,728		39,352	4,945		478		53,503	
<b>Cook Inlet Totals</b>		<b>0</b>	<b>8,728</b>	<b>0</b>	<b>126,391</b>	<b>6,727</b>	<b>0</b>	<b>1,482</b>	<b>9,910</b>	<b>350</b>	<b>119,116</b>
<b>Kodiak</b>											
KRAA	Kitoy Bay	148,333			800	325	2,500	6,666		210	158,834
	Settler's Bay/Crescent L	500	500		200	1,000				2,200	
	Katmai L	250	250		50	200				750	
<b>Kodiak Totals</b>		<b>149,083</b>	<b>750</b>	<b>0</b>	<b>1,050</b>	<b>1,525</b>	<b>2,500</b>	<b>6,666</b>	<b>0</b>	<b>210</b>	<b>161,784</b>
<b>Statewide Totals</b>		<b>269,129</b>	<b>160,387</b>	<b>321,347</b>	<b>229,469</b>	<b>9,987</b>	<b>23,278</b>	<b>26,619</b>	<b>342,475</b>	<b>16,583</b>	<b>1,364,802</b>

(d). Estimated chinook salmon returns to Alaska hatcheries in 1998, including common property harvests, as reported by operators.

= updated information

Region/Operator/Location		Common Property Harvest				Personal Use/ Subsistence	Cost Recovery			Total	
		Seine	Gillnet	Troll	Sport		Other	Brood	Harvest		Escapement
<b>Southeast</b>											
SSRAA	Whitman Lake		188	564	413		16,930	522	890	19,507	
	Earl West Cove	617	2,051	301	121					3,090	
	Neets Bay	633	43	313	288				90	1,367	
NSRAA	Medveje Creek	125	42	4,914	931		11,003	1,409	13,327	31,751	
	Hidden Falls	5,012	74	2,359	233		1,002	812	1,630	11,822	
BCF	Burro Creek	15	15	10	10		4	46		100	
DIPAC	Gastineau	33	204	235	1,459		194	430		2,555	
KTHC	Deer Mountain Hatchery		19	67	278	14	63	70		746	
SJC	Indian River			117	25			90	1	298	
MIC	Tamgas Creek		245	141	150		750	230	2,940	4,456	
Federal	Little Port Walter	183	26	993	85			703		1,990	
	Snettisham			39	146					185	
ADF&G	Crystal Lake Hatchery		381	594	712		1,911	1,154		4,752	
<b>Southeast Totals</b>		<b>6,618</b>	<b>3,288</b>	<b>10,647</b>	<b>4,851</b>	<b>14</b>	<b>31,857</b>	<b>5,466</b>	<b>18,878</b>	<b>1,000</b>	<b>82,619</b>
<b>Prince William Sound</b>											
PWSAC	Wally Noerenberg				750			978		1,728	
	Chenega/Cordova/Whittier				800	280				1,080	
<b>Prince William Sound Totals</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1,550</b>	<b>280</b>	<b>0</b>	<b>978</b>	<b>0</b>	<b>0</b>	<b>2,808</b>
<b>Cook Inlet</b>											
ADF&G	Elmendorf				2,394			78		2,991	
	Ninilchik River		244		332					576	
	Deception Cr	150			100	100				400	
	Homer Spit		425		11,304	267		409		12,405	
	Ft. Richardson									0	
	Deception Creek				1,043			189		1,232	
	Ninilchik River				1,000			156		1,156	
<b>Cook Inlet Totals</b>		<b>150</b>	<b>669</b>	<b>0</b>	<b>16,173</b>	<b>367</b>	<b>0</b>	<b>832</b>	<b>0</b>	<b>569</b>	<b>18,760</b>
<b>Statewide Totals</b>		<b>6,768</b>	<b>3,957</b>	<b>10,647</b>	<b>22,574</b>	<b>661</b>	<b>31,857</b>	<b>7,276</b>	<b>18,878</b>	<b>1,569</b>	<b>104,187</b>

(e). Estimated sockeye salmon returns to Alaska hatcheries in 1998, including common property harvests, as reported by operators.

= updated information

Region/Operator/Location		Common Property Harvest					Cost Recovery			Total
		Seine	Gillnet	Troll	Sport	Personal Use/ Subsistence	Other	Brood	Harvest	
<b>Southeast</b>										
SSRAA	Beaver Falls – Shrimp Bay									0
	Hugh Smith Lake	985	2,399				34	184		920
	Virginia Lake		349							1,200
	Salmon Lake	1,739	7,389		555	900				4,446
SSRAA/ADF&G	McDonald Lake	64,979	21,763		200		63,199			23,152
POWHA	Klawock Hatchery	6,516	2,792			3,200	280	582		10,387
NSRAA	Haines Project – Chilkat		3,415							592
DIPAC	Snettisham – Gilbert Bay		6,335				1,231	4,771		2,070
	Snettisham		9,543			5,000				592
	Chilkat L Coop		46,000							23,152
	Stikine		27,978							10,387
	Taku		1,406							54,000
<b>Southeast Totals</b>		<b>74,219</b>	<b>129,369</b>	<b>0</b>	<b>755</b>	<b>9,100</b>	<b>64,744</b>	<b>5,537</b>	<b>33,539</b>	<b>63,228</b>
<b>Prince William Sound</b>										
PWSAC	Main Bay		128,702		6,738			10,596		111,026
	Gulkana I and II		152,641			11,100	27,744	19,255		12,060
	Crosswind L		318,507			22,100	45,183			36,810
	Summit L		20,388							2,712
<b>Prince William Sound Totals</b>		<b>0</b>	<b>620,238</b>	<b>0</b>	<b>6,738</b>	<b>33,200</b>	<b>72,927</b>	<b>29,851</b>	<b>147,836</b>	<b>14,772</b>
<b>Cook Inlet</b>										
PGHC	Port Graham							1,289		14,143
CIAA	Eklutna		2,260		60		1,500			2,713
	Trail Lakes – Bear Creek	2,299						2,272		21,046
	Packer's Creek		18,346							868
	Salmon Creek									17,293
	Kirschner Lake	8,112								19,390
	China Poot/Hazel L	79,642				15,000				20,579
<b>Cook Inlet Totals</b>		<b>90,053</b>	<b>20,606</b>	<b>0</b>	<b>60</b>	<b>15,000</b>	<b>1,500</b>	<b>3,561</b>	<b>81,889</b>	<b>41,704</b>
<b>Kodiak</b>										
KRAA	Kitoi Bay	62,000								
	Pillar Creek									
	Kitoi/Duck Bay	13,000			150	100				
	Crescent L	1,543	1,543			2,000				
	Afognak	9,000						1,170		
	Hidden L/Foul Bay	9,188								
	Spiridon Lake	93,000	65,000							
	Spiridon Lake	125,000	91,000					647		
	Waterfall Bay	11,057								5,000
	Frazer Lake Fishpass	161,000	200,000				233,755			233,900
<b>Kodiak Totals</b>		<b>484,788</b>	<b>357,543</b>	<b>0</b>	<b>150</b>	<b>2,100</b>	<b>233,755</b>	<b>1,817</b>	<b>0</b>	<b>238,900</b>
<b>Statewide Totals</b>		<b>649,060</b>	<b>1,127,756</b>	<b>0</b>	<b>7,703</b>	<b>59,400</b>	<b>372,926</b>	<b>40,766</b>	<b>263,264</b>	<b>358,604</b>

Table 15(f). Estimated "other" enhanced fish returns to Alaska hatcheries in 1998.

Region/Operator/Location			Species	Commercial	Sport Catch	Personal Use/ Subsistence	Other	Brood	Cost Recovery Harvest	Escapement	Total
<b>Southeast</b>											
POWHA	Klawock		steelhead	50	150			5			205
DMTH	Deer Mountain		steelhead		30		10	14		33	87
<b>Southeast Totals</b>				<b>50</b>	<b>180</b>	<b>0</b>	<b>10</b>	<b>19</b>	<b>0</b>	<b>33</b>	<b>292</b>
<b>Cook Inlet</b>											
ADF&G	Ft. Richardson/Statewide lakes		Arctic char		6,117			51			6,168
			Arctic grayling		3,586						3,586
			lake trout		936						936
			rainbow trout		89,757						89,757
<b>Cook Inlet Totals</b>				<b>0</b>	<b>100,396</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>100,447</b>
<b>Statewide Totals</b>				<b>50</b>	<b>100,576</b>	<b>0</b>	<b>10</b>	<b>70</b>	<b>0</b>	<b>33</b>	<b>100,739</b>

See Table 16 for listing of acronyms used throughout this report.

Table 16. List of acronyms.

Acronym	
AAC	American Aquaculture Corporation
AAI	Alaska Aquaculture, Inc.
ADF&G	Alaska Department of Fish and Game
AKI	Armstrong-Keta, Inc.
AYK	Arctic-Yukon-Kuskokwim
BCF	Burro Creek Farms, Inc.
CFMD	Commercial Fisheries Management and Development Division
CIAA	Cook Inlet Aquaculture Association
COOP	Cooperative projects between state and PNP operators
CRAA	Chignik Regional Aquaculture Association
DCED	Department of Commerce and Economic Development
DIPAC	Douglas Island Pink and Chum, Inc.
FRED	Fisheries Rehabilitation, Enhancement and Development Division
HPG	Hatchery Policy Group
KNFC	Kake Nonprofit Fisheries Corporation
KRAA	Kodiak Regional Aquaculture Association
KRHI	Klawock River Hatchery, Inc.
KTHC	Ketchikan Tribal Hatchery Corporation
MCAA	Meyers Chuck Aquaculture Association
MIC	Metlakatla Indian Community
NMFS	National Marine Fisheries Service
NSRAA	Northern Southeast Regional Aquaculture Association
PGHC	Port Graham Hatchery Corporation
PNP	Private nonprofit
POWHA	Prince of Wales Hatchery Association
PWSAC	Prince William Sound Aquaculture Corporation
RPT	Regional Planning Team
SJC	Sheldon Jackson College
SSRAA	Southern Southeast Regional Aquaculture Association
UAF	University of Alaska Fairbanks
USDA	U.S. Department of Agriculture
VFDA	Valdez Fisheries Development Association



*Incubators, Gunnuk Creek Hatchery- Kake*