

# **Alaska Salmon Enhancement Program 2003 Annual Report**



compiled by

Craig Farrington

REGIONAL INFORMATION REPORT<sup>1</sup> NO. 5J04-02

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

March 2004

---

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 The Regional Information Report Series was established in 1987 to provide an information access system for all unpublished divisional reports.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

## PUBLICATION ABSTRACT

|  |                                   |   |                                   |                                |               |                     |                                   |  |
|--|-----------------------------------|---|-----------------------------------|--------------------------------|---------------|---------------------|-----------------------------------|--|
| <b>TITLE/SUBTITLE</b><br>Alaska Salmon Enhancement Program 2003 Annual Report  |                                   | <b>CONFIDENTIALITY</b><br><input checked="" type="checkbox"/> AVAILABLE TO PUBLIC<br><input type="checkbox"/> AVAILABLE TO LEGISLATURE ONLY   |                                   |                                |               |                     |                                   |  |
| <b>ABSTRACT (100 words maximum)</b><br>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.<br><br>Over 1.9 billion salmon eggs were collected by Alaska hatchery operators in 2003. In addition, nearly 1.5 billion fish were released and nearly 50 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. |                                   | <b>SUBJECT CATEGORY</b><br><input checked="" type="checkbox"/> NATURAL RESOURCES<br><input type="checkbox"/> EDUCATION<br><input type="checkbox"/> SOCIAL SERVICES<br><input type="checkbox"/> HEALTH<br><input type="checkbox"/> TRANSPORTATION<br><input type="checkbox"/> LAW ENFORCEMENT<br><input type="checkbox"/> COMMERCE & INDUSTRY<br><input type="checkbox"/> GENERAL GOVERNMENT<br><input type="checkbox"/> LOCAL GOVERNMENT<br><input type="checkbox"/> OTHER  |                                   |                                |               |                     |                                   |  |
| <b>AGENCY (Dept/Div/Program)</b> , Commercial Fish Development<br><b>AGENCY ADDRESS</b><br><b>SPONSORING AGENCY (if applicable)</b><br><b>AGENCY CONTACT FOR MORE INFORMATION</b><br><b>PERSONAL AUTHOR/EDITOR (if applicable)</b><br>Craig Farrington   |                                   | <b>DOCUMENT CATEGORY</b><br><input type="checkbox"/> PERFORMANCE REPORT<br><input type="checkbox"/> FINANCIAL REPORT<br><input type="checkbox"/> PLANNING DOCUMENT<br><input type="checkbox"/> GRANT APPLICATION<br><input type="checkbox"/> PROMOTIONAL BROCHURE<br><input type="checkbox"/> CONTRACT<br><input type="checkbox"/> RESEARCH—STATISTICAL<br><input type="checkbox"/> TRAINING MANUAL<br><input checked="" type="checkbox"/> EDUCATIONAL/GENERAL INFORMATION<br><input type="checkbox"/> REGULATIONS/RIGHTS<br><input type="checkbox"/> RECOMMENDED LEGISLATION<br><input type="checkbox"/> OTHER |                                   |                                |               |                     |                                   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;">REPORTING PERIOD<br/>2002</td> <td style="padding: 2px;">PUBLICATION DATE<br/>March 2003</td> </tr> <tr> <td style="padding: 2px;">DUE DATE<br/>Early 2003</td> <td style="padding: 2px;">DATE RECEIVED</td> </tr> <tr> <td style="padding: 2px;">STATUTORY AUTHORITY</td> <td style="padding: 2px;">FEDERAL AUTHORITY (if applicable)</td> </tr> </table>   |                                   | REPORTING PERIOD<br>2002  | PUBLICATION DATE<br>March 2003    | DUE DATE<br>Early 2003         | DATE RECEIVED | STATUTORY AUTHORITY | FEDERAL AUTHORITY (if applicable) | <b>DOCUMENT FORMAT</b><br><input checked="" type="checkbox"/> NARRATIVE<br><input type="checkbox"/> FINANCIAL STATEMENTS<br><input checked="" type="checkbox"/> MAPS<br><input checked="" type="checkbox"/> STATISTICAL CHARTS<br><input type="checkbox"/> PHOTOGRAPHS/ ILLUSTRATIONS<br><input type="checkbox"/> COMPUTER PRINTOUT<br><input type="checkbox"/> BIBLIOGRAPHY<br><input type="checkbox"/> OTHER |
| REPORTING PERIOD<br>2002   | PUBLICATION DATE<br>March 2003    |   |                                   |                                |               |                     |                                   |  |
| DUE DATE<br>Early 2003   | DATE RECEIVED                     |   |                                   |                                |               |                     |                                   |  |
| STATUTORY AUTHORITY  | FEDERAL AUTHORITY (if applicable) |   |                                   |                                |               |                     |                                   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;">STATUTORY AUTHORITY</td> <td style="padding: 2px;">FEDERAL AUTHORITY (if applicable)</td> </tr> </table>   |                                   | STATUTORY AUTHORITY   | FEDERAL AUTHORITY (if applicable) | PURCHASE PRICE (if applicable) |               |                     |                                   |  |
| STATUTORY AUTHORITY  | FEDERAL AUTHORITY (if applicable) |   |                                   |                                |               |                     |                                   |  |

For each publication submitted to the Legislature, please submit 10 copies of the publication and 100 copies of this completed "Publications Abstract" form. Send to: Library, Mail Stop 3101, 130 Seward Street, Suite 400, Juneau, Alaska 99801-2105.

# **Alaska Salmon Enhancement Program 2003 Annual Report**

compiled by

Craig Farrington

REGIONAL INFORMATION REPORT<sup>1</sup> NO. 5J04-02

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

March 2004

---

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

Alaska. Division of Commercial Fisheries

Annual report 2003... Division of Commercial Fisheries Salmon Enhancement Program Report. 2003 – 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 2003 – by Craig Farrington

Alaska — Periodicals. 3. Pacific salmon — Periodicals. I. Title.

639/.3/0979819

SH35.A62A4

81-640900

## **AUTHOR**

Craig Farrington is a Fisheries Biologist with the Alaska Department of Fish and Game, Division of Commercial Fisheries, P.O. Box 25526, Juneau, Alaska 99802-5526.

## **ACKNOWLEDGMENTS**

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

## TABLE OF CONTENTS

|                          |   |
|--------------------------|---|
| List of Figures .....    | v |
| List of Tables .....     | v |
| Introduction .....       | 2 |
| Highlights in 2003 ..... | 3 |

## LIST OF FIGURES

|   |   |
|---|---|
| Figure 1. Photos of hatcheries in Alaska. ....  | 1 |
| Figure 2. Total egg takes, releases, and returns to the Alaska salmon hatchery program,<br>1977 to 2002. .... | 2 |
| Figure 3. Locations of hatcheries within Alaska. ....   | 5 |

## LIST OF TABLES

|  |    |
|--|----|
| Table 1. Total egg takes, releases, and returns to the Alaska salmon enhancement<br>program in 2003. ....  | 6  |
| Table 1(a). Estimated egg takes from Alaska hatcheries, in millions, 2003. ....  | 6  |
| Table 1(b). Estimated releases from Alaska hatcheries, in millions, 2003. ....   | 6  |
| Table 1(c). Total returns attributed to Alaska hatcheries and enhancement<br>projects in 2003, including common property, cost recovery, broodstock, and<br>escapement. ....   | 6  |
| Table 2. Alaska common property commercial harvests in 2003. ....  | 7  |
| Table 2(a). Alaska common property commercial harvest of enhanced fish, in<br>thousands of fish, 2003. ....  | 7  |
| Table 2(b). Total estimated value of Alaska common property harvest, in<br>thousands of dollars, 2003. ....  | 7  |
| Table 3. Fishery enhancement program time line of events. ....   | 8  |
| Table 4. List of acronyms and abbreviations used throughout this report. ....  | 10 |
| Table 5. Eggs taken at Alaska hatcheries in 2003, in millions of eggs (transferred eggs<br>are listed with the receiving hatchery). ....   | 11 |
| Table 6. Alaskan hatchery releases in 2003, in millions of fish. ....  | 12 |
| Table 7. Estimated adult returns, by species, to Alaska enhancement projects in 2003,<br>including common property harvests, as reported by operators. ....  | 14 |
| Table 8. Projected adult returns, by species, to Alaska enhancement projects in 2003. ....   | 15 |
| Table 9. Cumulative state loans and enhancement funds returned to associations as<br>reported in: <i>Department of Community and Economic Development, Division of<br/>    Investments — Fisheries Enhancement Revolving Loan Fund Program Overview</i> . .... | 16 |
| Table 10. Salmon production from Alaska's hatcheries and enhancement projects. ....  | 17 |
| Table 10(a). Summary of anadromous salmon production (all species) from<br>Alaska hatcheries and enhancement projects. ....  | 17 |
| Table 10(b). Summary of pink salmon production from Alaska hatcheries and<br>enhancement projects. ....  | 17 |

|  |    |
|--|----|
| Table 10(c). Summary of chum salmon production from Alaska hatcheries and enhancement projects.....  | 17 |
| Table 10(d). Summary of coho salmon production from Alaska hatcheries and enhancement projects.....  | 18 |
| Table 10(e). Summary of chinook salmon production from Alaska hatcheries and enhancement projects.....   | 18 |
| Table 10(f). Summary of sockeye salmon production from Alaska hatcheries and enhancement projects.....   | 18 |
| Table 11. Summaries of salmon production in Alaska from private nonprofit hatcheries.....  | 19 |
| Table 11(a). Summary of statewide salmon production from private nonprofit hatcheries in Alaska, as reported by operators. ....                | 19 |
| Table 11(b). Summary of pink salmon production from private nonprofit hatcheries in Alaska. ....   | 19 |
| Table 11(c). Summary of chum salmon production from private nonprofit hatcheries in Alaska. ....   | 20 |
| Table 11(d). Summary of coho salmon production (thousands) from private nonprofit hatcheries in Alaska. ....                                   | 20 |
| Table 11(e). Summary of chinook salmon production from private nonprofit hatcheries in Alaska. ....  | 21 |
| Table 11(f). Summary of sockeye salmon production from private nonprofit hatcheries in Alaska. ....  | 21 |
| Table 12. Alaska commercial salmon fishery harvest average weights and prices, 2003.....   | 22 |
| Table 13. Alaska state hatchery FY2003 operating budgets, in thousands of dollars. ....  | 22 |
| Table 14. Detailed return information, by species, to 2003 Alaska enhancement program projects.....  | 23 |
| Table 14(a). Estimated pink salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators. ....    | 23 |
| Table 14(b). Estimated chum salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators. ....    | 24 |
| Table 14(c). Estimated coho salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators. ....    | 25 |
| Table 14(d). Estimated chinook salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators. .... | 25 |
| Table 14(e). Estimated sockeye salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators. .... | 27 |
| Table 14(f). Estimated "other" enhanced fish returns to Alaska hatcheries in 2003.....   | 28 |
| Table 15. Summary of salmon production in 2002 from Fish Resource Permits issued by the Alaska Department of Fish and Game. ....               | 29 |
| Table 16. Updated return information, by species, to 2002 Alaska enhancement program projects.....   | 32 |
| Table 16(a). Updated pink salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators. ....      | 32 |
| Table 16(b). Updated chum salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators. ....      | 33 |
| Table 16(c). Updated coho salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators. ....      | 34 |

|   |    |
|---|----|
| Table 16(d). Updated chinook salmon returns to Alaska hatcheries in 2002,<br>including common property harvests, as reported by operators. .... | 35 |
| Table 16(e). Updated sockeye salmon returns to Alaska hatcheries in 2002,<br>including common property harvests, as reported by operators. .... | 36 |
| Table 16(f). Updated "other" enhanced fish returns to Alaska hatcheries in 2002. ....   | 37 |
| Table 17. Actively operated Alaska hatcheries. ....   | 38 |
| Table 18. Permitted capacity of Alaskan private nonprofit hatcheries in 2003, in millions<br>of eggs. ....                                      | 40 |







Main Bay Hatchery



Gulkana Hatchery



Solomon Gulch Hatchery



Wally Noerenberg Hatchery



AF Koernig Hatchery



Neets Bay Hatchery

Figure 1. Photos of hatcheries in Alaska.

## INTRODUCTION

The Alaska Department of Fish and Game (ADF&G) oversees and regulates all state and private sector salmon rehabilitation and enhancement projects. Protection of Alaska's natural salmon stocks requires stringent permitting processes. Geneticists, pathologists, and biologists review all projects prior to the issuance of a permit to operate a salmon ranching facility, transfer 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.

Over 1.9 billion salmon eggs were collected by Alaska hatchery operators in 2003. In addition, nearly 1.5 billion fish were released and nearly 50 million fish were harvested in common property fisheries as a result of the ocean ranching program. The ocean ranching program provides hundreds of Alaskans with seasonal and full-time jobs. It is now considered the largest agricultural industry in Alaska.

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

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

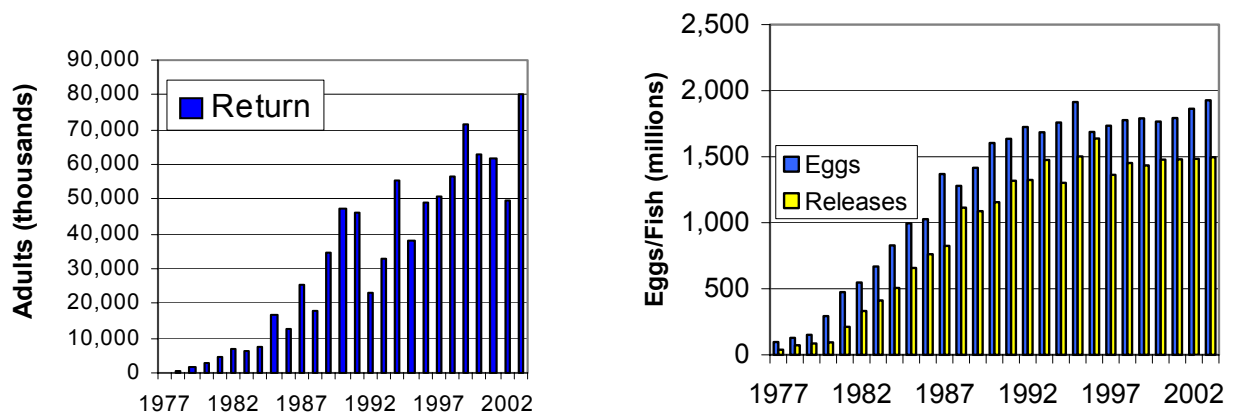


Figure 2. Total egg takes, releases, and returns to the Alaska salmon hatchery program, 1977 to 2003.

### *Highlights in 2003*

- The statewide commercial common property harvest of salmon was composed of 33% enhancement program-produced fish, in terms of numbers and 23% enhancement program-produced fish, in terms of value. A preliminary estimate of the ex-vessel value of the enhanced common property harvest is \$39 million.
- Over 481,000 hatchery-produced fish representing 10 species (chinook, coho, pink, sockeye, and chum salmon; steelhead, lake, and rainbow trout; Arctic char and grayling) were caught by sport fishermen.
- In general the Alaskan hatchery program is stable. Egg takes and release numbers are very similar to prior years.
- In Southeast, this year's return of 9.7 million enhanced chum salmon was up significantly from the previous year's total of 6.1 million fish, due to a rebound towards improved ocean survivals.
- Directives by the Alaska Board of Fisheries established harvest guidelines for each commercial gear group in order to allocate the harvest of enhanced salmon in Southeast Alaska. If, over a specified period of time, allocation percentages are not met, actions must be taken to correct the imbalance. This was the fifth consecutive year of a continued imbalance necessitating corrective action to help increase the troll harvest of enhanced fish. However, the imbalance is diminishing due to a combination of shifts in market forces and shifts in species harvested.



*Examining samples for IHN at the Juneau state pathology laboratory.*



*Analyzing samples at the Mark Tag and Age laboratory.*

- The economic woes of the commercial salmon fishing industry in Alaska continued in 2003. Severe marketing conditions for wild Alaska salmon negatively affected both salmon fishermen and salmon processors. Statewide ex-vessel prices for most salmon species continued at very low levels.
- The preliminary statewide harvest of salmon in 2003 was 173,344,000 fish. Nearly 73,000,000 fish (42%) of that harvest was of hatchery origin.
- Contributions to harvests from the five Prince William Sound hatcheries provided nearly \$14 million to common property fishermen, approximately 53% of the ex-vessel value. Nearly half of the hatchery contribution number and over half of the value was sockeye salmon.
- The total harvest of pink salmon in Prince William Sound was a new record of 56.5 million fish. The harvest was composed of 14.7 million hatchery origin fish caught for cost recovery, and 41.8 million fish caught in the common property fisheries, which was composed of 89% hatchery origin fish.
- Over 23% of salmon caught in Cook Inlet commercial salmon fisheries originated from Cook Inlet hatcheries, with a preliminary ex-vessel value of \$4.0 million .
- Approximately 36% of the common property harvest in Kodiak commercial salmon fisheries was enhanced salmon, with a combined ex-vessel value of \$4.1 million.



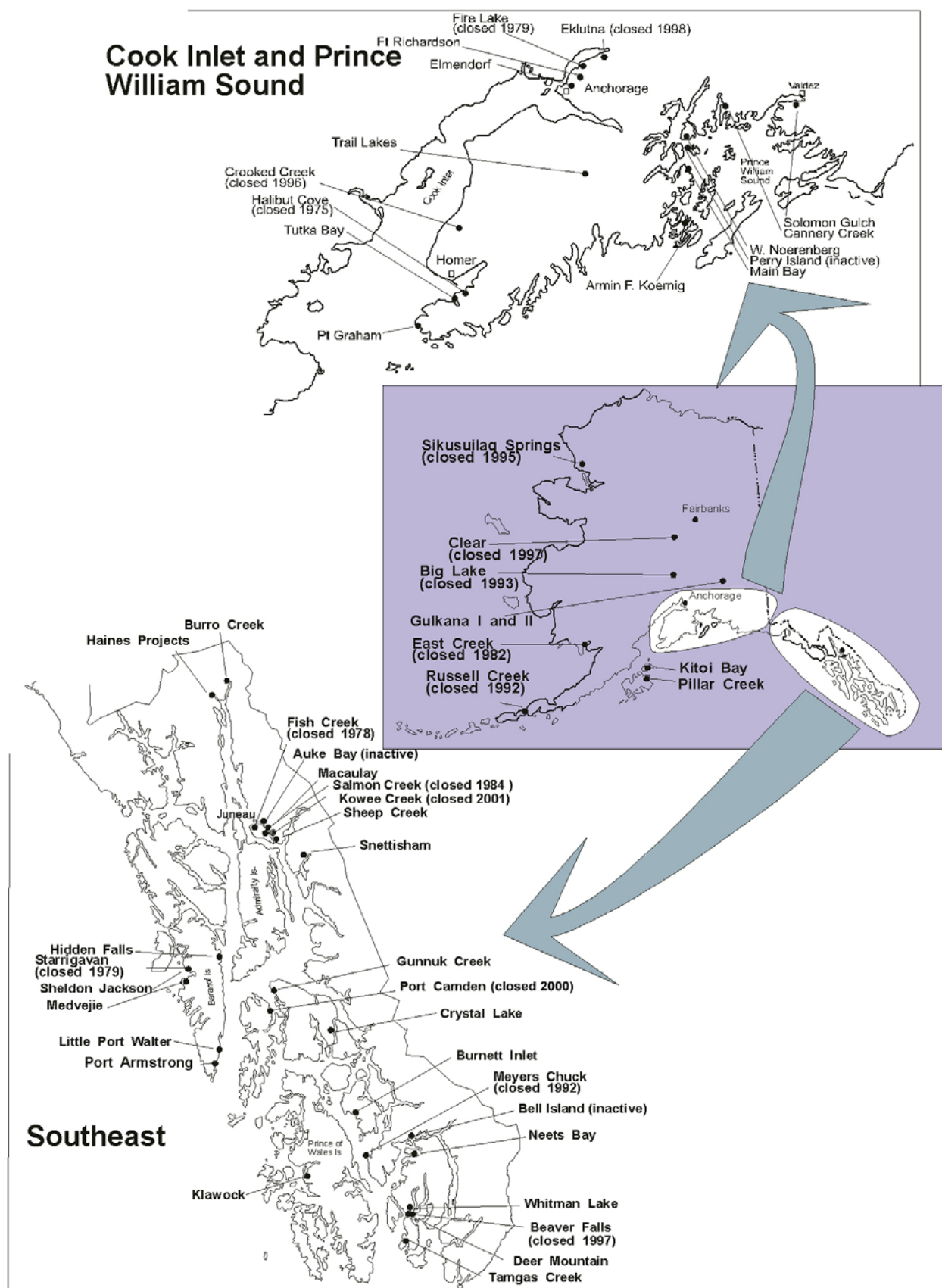


Figure 3. Locations of hatcheries within Alaska.

Table 1. Total egg takes, releases, and returns to the Alaska salmon enhancement program in 2003.

Table 1(a). Estimated egg takes from Alaska hatcheries, in millions, 2003.

| Area                      | Pink            | Chum          | Coho         | Chinook      | Sockeye      | Other       | Total           |
|---------------------------|-----------------|---------------|--------------|--------------|--------------|-------------|-----------------|
| Southeast                 | 90.66           | 500.98        | 25.88        | 10.88        | 17.50        | 0.06        | <b>645.96</b>   |
| Prince William Sound      | 702.72          | 151.53        | 3.66         | 0.00         | 46.37        | 0.00        | <b>904.28</b>   |
| Cook Inlet                | 130.36          | 0.00          | 2.89         | 1.41         | 23.99        | 4.89        | <b>163.54</b>   |
| Kodiak/Alaska Peninsula   | 181.11          | 28.98         | 2.26         | 0.16         | 6.00         | 0.00        | <b>218.52</b>   |
| <b>Totals<sup>a</sup></b> | <b>1,104.86</b> | <b>681.49</b> | <b>34.68</b> | <b>12.45</b> | <b>93.87</b> | <b>4.95</b> | <b>1,932.29</b> |

Table 1(b). Estimated releases from Alaska hatcheries, in millions, 2003.

| Area                      | Pink          | Chum          | Coho         | Chinook     | Sockeye      | Other       | Total           |
|---------------------------|---------------|---------------|--------------|-------------|--------------|-------------|-----------------|
| Southeast                 | 84.53         | 318.20        | 17.67        | 7.17        | 12.62        | 0.05        | <b>440.26</b>   |
| Prince William Sound      | 607.94        | 98.65         | 2.20         | 0.00        | 32.82        | 0.00        | <b>741.61</b>   |
| Cook Inlet                | 125.17        | 0.00          | 1.71         | 2.09        | 16.82        | 1.76        | <b>147.55</b>   |
| Kodiak/Alaska Peninsula   | 144.82        | 18.72         | 1.52         | 0.03        | 1.85         | 0.00        | <b>166.95</b>   |
| <b>Totals<sup>a</sup></b> | <b>962.47</b> | <b>435.57</b> | <b>23.10</b> | <b>9.30</b> | <b>64.12</b> | <b>1.81</b> | <b>1,496.36</b> |

Table 1(c). Total returns attributed to Alaska hatcheries and enhancement projects in 2003, including common property, cost recovery, broodstock, and escapement.

| Area                      | Pink              | Chum              | Coho             | Chinook        | Sockeye          | Other          | Total             |
|---------------------------|-------------------|-------------------|------------------|----------------|------------------|----------------|-------------------|
| Southeast                 | 1,302,017         | 9,675,218         | 1,095,384        | 145,313        | 440,825          | 140            | <b>12,658,897</b> |
| Prince William Sound      | 50,576,657        | 3,529,196         | 227,403          | 1,059          | 1,742,098        | 0              | <b>56,076,413</b> |
| Cook Inlet                | 943,512           | 0                 | 80,081           | 24,051         | 1,782,080        | 135,530        | <b>2,965,254</b>  |
| Kodiak/Alaska Peninsula   | 6,951,906         | 506,906           | 160,274          | 0              | 866,389          | 0              | <b>8,485,475</b>  |
| <b>Totals<sup>a</sup></b> | <b>59,774,092</b> | <b>13,711,320</b> | <b>1,563,142</b> | <b>170,423</b> | <b>4,831,392</b> | <b>135,670</b> | <b>80,186,039</b> |

<sup>a</sup> Some figures may not total exactly due to rounding.



Armin F. Koernig Hatchery.



Main Bay Hatchery interior.

Table 2. Alaska common property commercial harvests in 2003.

Table 2(a). Alaska common property commercial harvest of enhanced fish, in thousands of fish, 2003.

| Area  | Harvest <sup>a</sup>                        | Chinook | Sockeye | Coho  | Pink    | Chum   | Total   |
|---|---|---------|---------|-------|---------|--------|---------|
| Southeast                                     | Total Commercial Harvest                    | 403     | 1,450   | 2,442 | 52,481  | 9,269  | 66,045  |
|   | Total Cost Recovery Harvest                 | 49      | 113     | 389   | 428     | 4,974  | 5,952   |
|   | Common Property Harvest                     | 354     | 1,337   | 2,053 | 52,053  | 4,295  | 60,093  |
|   | Enhanced Fish Harvested                     | 43      | 102     | 484   | 502     | 4,002  | 5,133   |
|   | % Enhanced in Total CP Harvest <sup>b</sup> | 12.2%   | 7.7%    | 23.6% | 1.0%    | 93.2%  | 8.5%    |
| Prince William Sound                          | Total Commercial Harvest                    | 49      | 2,799   | 490   | 49,461  | 3,718  | 56,517  |
|   | Total Cost Recovery Harvest                 | 0       | 367     | 4     | 12,810  | 1,554  | 14,734  |
|   | Common Property Harvest                     | 49      | 2,432   | 486   | 36,651  | 2,164  | 41,783  |
|   | Enhanced Fish Harvested                     | 0       | 1,205   | 73    | 34,178  | 1,797  | 37,253  |
|   | % Enhanced in Total CP Harvest <sup>b</sup> | 0.0%    | 49.5%   | 15.0% | 93.3%   | 83.0%  | 89.2%   |
| Cook Inlet                                    | Total Commercial Harvest                    | 19      | 4,168   | 114   | 909     | 157    | 5,367   |
|   | Total Cost Recovery Harvest                 | 0       | 124     | 2     | 634     | 0      | 761     |
|   | Common Property Harvest                     | 19      | 4,044   | 112   | 275     | 157    | 4,606   |
|   | Enhanced Fish Harvested                     | 1       | 1,081   | 7     | 4       | 0      | 1,092   |
|   | % Enhanced in Total CP Harvest <sup>b</sup> | 4.3%    | 26.7%   | 6.3%  | 1.4%    | 0.0%   | 23.7%   |
| Kodiak  | Total Commercial Harvest                    | 19      | 4,042   | 339   | 14,066  | 1,152  | 19,618  |
|   | Total Cost Recovery Harvest                 | 0       | 0       | 0     | 1,575   | 6      | 1,581   |
|   | Common Property Harvest                     | 19      | 4,042   | 339   | 12,491  | 1,146  | 18,037  |
|   | Enhanced Fish Harvested                     | 0       | 799     | 135   | 5,013   | 460    | 6,407   |
|   | % Enhanced in Total CP Harvest <sup>b</sup> | 0.0%    | 19.8%   | 39.8% | 40.1%   | 40.1%  | 35.5%   |
| Chignik/Aleutian Islands/<br>Alaska Peninsula | Total Commercial Harvest                    | 9       | 3,619   | 288   | 4,779   | 740    | 9,435   |
|   | Enhanced Fish Harvested                     | 0       | 0       | 0     | 0       | 0      | 0       |
|   | % Enhanced in Total CP Harvest <sup>b</sup> | 0.0%    | 0.0%    | 0.0%  | 0.0%    | 0.0%   | 0.0%    |
| Bristol Bay                                   | Total Commercial Harvest                    | 44      | 14,871  | 43    | 0       | 807    | 15,765  |
|   | Enhanced Fish Harvested                     | 0       | 0       | 0     | 0       | 0      | 0       |
|   | % Enhanced in Total CP Harvest <sup>b</sup> | 0.0%    | 0.0%    | 0.0%  | 0.0%    | 0.0%   | 0.0%    |
| Arctic-Yukon-Kuskokwim                        | Total Commercial Harvest                    | 56      | 64      | 389   | 0       | 88     | 597     |
|   | Enhanced Fish Harvested                     | 0       | 0       | 0     | 0       | 0      | 0       |
|   | % Enhanced in Total CP Harvest <sup>b</sup> | 0.0%    | 0.0%    | 0.0%  | 0.0%    | 0.0%   | 0.0%    |
| <b>Total</b>                                  | Total Commercial Harvest                    | 599     | 31,013  | 4,105 | 121,696 | 15,931 | 173,344 |
|   | Total Cost Recovery Harvest                 | 49      | 604     | 395   | 15,447  | 6,534  | 23,029  |
|   | Common Property Harvest                     | 550     | 30,409  | 3,710 | 106,249 | 9,397  | 150,315 |
|   | Enhanced Fish Harvested                     | 44      | 3,187   | 699   | 39,697  | 6,259  | 49,886  |
|   | % Enhanced in Total CP Harvest <sup>b</sup> | 8.0%    | 10.5%   | 18.8% | 37.4%   | 66.6%  | 33.2%   |

<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 2(b). Total estimated value of Alaska common property harvest, in thousands of dollars, 2003.

| Area                                      | Chinook         | Sockeye          | Coho            | Pink            | Chum            | Total            |
|---|-----------------|------------------|-----------------|-----------------|-----------------|------------------|
| Southeast                                 | \$6,126         | \$7,013          | \$9,927         | \$11,803        | \$5,952         | \$40,822         |
| Prince William Sound                      | \$3,686         | \$16,213         | \$1,808         | \$12,256        | \$2,743         | \$36,706         |
| Cook Inlet                                | \$329           | \$14,921         | \$176           | \$45            | \$161           | \$15,632         |
| Kodiak                                    | \$87            | \$11,518         | \$418           | \$3,285         | \$875           | \$16,183         |
| Chignik/Aleutian Islands/Alaska Peninsula | \$47            | \$13,207         | \$308           | \$974           | \$523           | \$15,060         |
| Bristol Bay                               | \$213           | \$46,918         | \$89            | \$0             | \$473           | \$47,693         |
| Arctic-Yukon-Kuskokwim                    | \$1,993         | \$204            | \$664           | \$0             | \$67            | \$2,928          |
| <b>Totals<sup>a</sup></b>                 | <b>\$12,481</b> | <b>\$109,994</b> | <b>\$13,391</b> | <b>\$28,363</b> | <b>\$10,794</b> | <b>\$175,024</b> |

<sup>a</sup> Data from the Alaska Department of Fish and Game website: <<http://www.state.ak.us/adfg/geninfo/finfish/salmon/salmhome.htm>>. Accessed 01/22/2004.

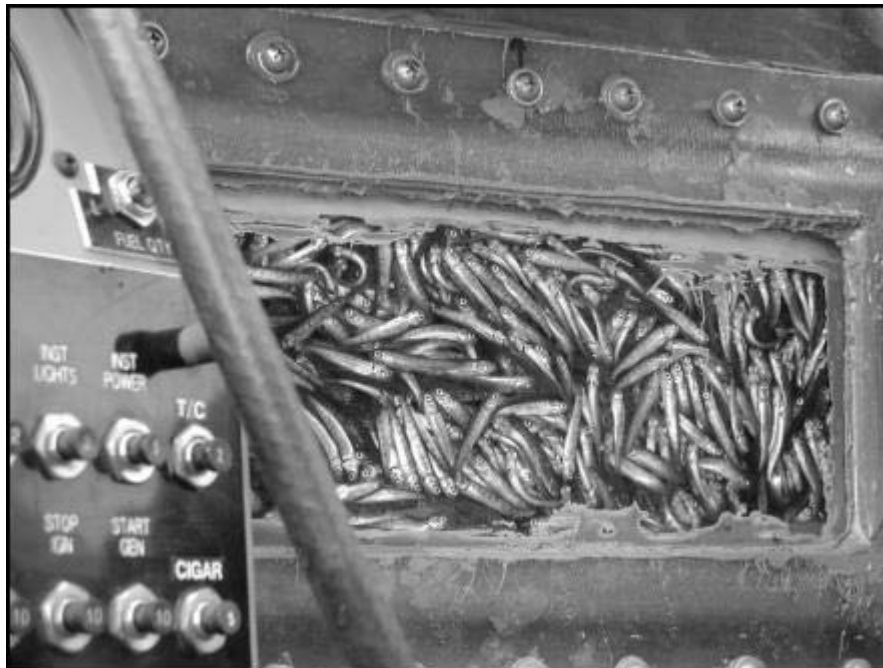
Table 3. Fishery enhancement program time line of events.

| Year | Event  | Number of state hatcheries | Number of private nonprofit (PNP) hatcheries | Number of Federal hatcheries |
|------|--|----------------------------|--|------------------------------|
| 1934 | Federal research station Little Port Walter constructed  |                            |  | 1                            |
| 1950 | Federal hatchery at Auke Creek constructed   |                            |  | 2                            |
| 1953 | 1 territorial hatchery constructed at Kitoi Bay  | 1                          |  |                              |
| 1954 | 1 territorial hatchery constructed at Deer Mountain  | 2                          |  |                              |
| 1958 | 1 territorial hatchery constructed at Ft. Richardson   | 3                          |  |                              |
| 1965 | 1 state hatchery constructed at Fire Lake  | 4                          |  |                              |
| 1969 | 1 state hatchery constructed at Crystal Lake   | 5                          |  |                              |
| 1971 | Fisheries Rehabilitation, Enhancement and Development (FRED) Division created by Legislature   |                            |  |                              |
| 1973 | 2 state hatcheries constructed (Crooked Creek and Gulkana)   | 7                          |  |                              |
|      | State enhancement projects at Starrigavan and Halibut Cove started   |                            |  |                              |
| 1974 | 2 state hatcheries constructed (Beaver Falls and East Creek)<br>Legislature authorizes permits for private nonprofit hatchery operators to salmon ranch  | 9                          |  |                              |
| 1975 | 4 PNP permits issued [Sheldon Jackson (#3), Port San Juan (#2), Perry Island (#1), and Sandy Bay (#4)]<br>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<br>1 state hatchery constructed at Elmendorf<br>2 PNP permits issued [Burnett Inlet (#5) and Kowee Creek (#6)]   | 12                         | 6  |                              |
| 1977 | 1 PNP permit issued to Gunnuk Creek (#7)<br>2 state hatcheries constructed (Klawock and Russell Creek)<br>State enhancement project at Karluk Lake started   | 14                         | 7  |                              |
| 1978 | 1 PNP permit issued to Whitman Lake (#8)<br>2 state hatcheries constructed (Cannery Creek and Hidden Falls)  | 16                         | 8  |                              |
| 1979 | 3 PNP permits issued [Sheep Creek (#11), Meyers Chuck (#10), Salmon Creek (#9)]<br>1 state hatchery constructed (Snettisham)<br>1 state hatchery closed (Fire Lake)  | 17<br>16                   | 11   |                              |
| 1980 | 1 PNP permit issued to Burro Creek (#12)<br>2 state hatcheries constructed (Clear and Main Bay)<br>1 hatchery at Tamgas Creek constructed (Metlakatla Indian Community/BIA)  | 18                         | 12   | 3                            |
| 1981 | 1 state hatchery closed (East Creek)<br>2 state hatcheries constructed (Sikusuilak and Trail Lakes)<br>4 PNP permits issued [Medveje (#16), Port Armstrong (#13), Solomon Gulch (#15), Salmon Creek (#14)]<br>1 PNP permit revoked [Salmon Creek (#9)]   | 17<br>19                   | 16<br>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)]<br>1 state hatchery completed (Broodstock Development Center)   | 20                         | 20   |                              |
| 1984 | 1 PNP permit issued to Santa Anna (#21)  |                            | 21   |                              |
| 1985 | 1 PNP permit issued to Port Camden (#23)   |                            | 22   |                              |
| 1986 | 1 PNP permit issued to Beaver Falls (#24)  |                            | 23   |                              |
| 1987 | 1 PNP permit issued to Gastineau (#25)   |                            | 24   |                              |
| 1988 | Aquatic Farm Act signed; statute passes allowing contracting of hatchery operations<br>4 state hatcheries contracted to private sector (Kitoi Bay, Trail Lakes, Cannery Creek, Hidden Falls)<br>4 PNP permits issued [Hidden Falls (#28), Cannery Creek (#26), Trail Lakes (#27), Kitoi Bay (#29)]<br>1 state hatchery constructed (Pillar Creek)<br>2 PNP permits revoked [Sandy Bay (#4) and Salmon Creek (#14)] | 16<br>17                   | 28<br>26                                     |                              |
| 1990 | CSHB432 becomes law prohibiting finfish farming in Alaska<br>1 PNP permit issued to Bell Island (#30)  |                            | 27   |                              |
| 1991 | 5 state hatcheries contracted to private sector [Main Bay (#31), Tutka, Gulkana (#39), Pillar Creek (#38), and Beaver Falls (#24)] — Beaver Falls and Tutka tallied elsewhere<br>Portions of 6 state hatcheries paid for by private or federal funds   | 12                         | 30   |                              |
| 1992 | 1 state hatchery closed (Russell Creek)<br>2 PNP permits issued [Haines projects (#34) and Port Graham (#33)]<br>1 PNP permit revoked [Meyers Chuck (#10)]<br>FRED Division merged with the Commercial Fisheries Division to form the Commercial Fisheries Management and Development (CFMD) Division  | 11                         | 32<br>31                                     | 3                            |
| 1993 | 3 state hatcheries transferred from CFMD Division to Sport Fish Division (Broodstock Development Center, Elmendorf, and Ft. Richardson)<br>2 state hatcheries contracted to private sector (Crooked Creek and Klawock)<br>1 state hatchery closed (Big Lake)   | 9<br>8                     |  | 3                            |



| Year | Event  | Number of state hatcheries | Number of private nonprofit (PNP) hatcheries | Number of Federal hatcheries |
|------|--|----------------------------|--|------------------------------|
| 1994 | 4 PNP permits issued [Tutka (#32), Crooked Creek (#35), Klawock (#36), Deer Mountain (#37)]<br>1 state hatchery contracted (Deer Mountain)<br>Ft. Richardson Hatchery merged with Broodstock Development Center              | 7<br>6                     | 35   |                              |
| 1995 | 1 PNP hatchery under new management [Klawock (#38)]<br>1 state hatchery transferred from CFMD Division to Sport Fish Division (Crystal Lake)<br>1 state hatchery closed (Sikusuiag)  | 5                          |  |                              |
| 1996 | 1 state hatchery contracted [Snettisham (#39)]<br>1 state hatchery transferred from CFMD Division to Sport Fish Division (Clear)<br>3 PNP permits revoked [Crittenden Creek (#22), Santa Anna (#21), and Favorite Bay (#18)] | 4                          | 36<br>33                                     |                              |
| 1997 | 1 state hatchery closed (Clear)<br>2 state contracted (PNP) hatcheries closed [Beaver Falls (#24), Crooked Creek (#35)]<br>1 PNP hatchery closed & reopened under new management [Burnett Inlet (#5, now #40)]               | 3                          | 31<br>31                                     |                              |
| 1998 | 1 PNP hatchery closed [Eklutna (#17)]  |                            | 30   |                              |
| 2000 | 1 state hatchery contracted to private sector (Crystal Lake Hatchery)<br>Port Camden hatchery permit (# 23) given up   | 2                          | 31<br>30                                     | 3                            |
| 2001 | Kowee Creek hatchery permit (#6) revoked; 1 Federal hatchery inactivated (Auke Creek)  | 2                          | 29   | 2                            |
| 2002 | No activity  | 2                          | 29 <sup>a</sup>                              | 2                            |
| 2003 | Received permit application for chinook hatchery to be located at Port St. Nicholas, Prince of Wales   | 2                          | 29 <sup>a</sup>                              | 2                            |

<sup>a</sup> Perry Island, Bell Island, and Burro Creek are not active; there are 26 active PNPs.



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

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

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



Incubation box at Gulkana Hatchery.

Table 5. Eggs taken at Alaska hatcheries in 2003, in millions of eggs (transferred eggs are listed with the receiving hatchery).

| Area/Operator/Location                         |                       | Pink            | Chum          | Coho         | Chinook      | Sockeye      | Other       | Total           |
|--|-----------------------|-----------------|---------------|--------------|--------------|--------------|-------------|-----------------|
| <b>Southeast</b>                               |                       |                 |               |              |              |              |             |                 |
| SSRAA  | Whitman Lake          |                 | 26.55         | 2.85         | 1.79         |              |             | 31.19           |
|  | Neets Bay             |                 | 108.71        | 2.55         |              |              |             | 111.25          |
|  | Burnett Inlet         |                 |               | 2.04         |              | 0.88         |             | 2.92            |
|  | Crystal Lake          |                 |               | 0.27         | 1.94         |              |             | 2.21            |
| NSRAA  | Hidden Falls          |                 | 93.74         | 5.49         | 1.42         |              |             | 100.65          |
|  | Medvejie Creek        | 0.31            | 54.99         | 3.05         | 3.16         |              |             | 61.51           |
|  | Haines projects       |                 | 0.87          |              |              |              |             | 0.87            |
| AKI  | Port Armstrong        | 89.55           | 15.54         | 2.01         | 0.23         |              |             | 107.32          |
| DIPAC  | Macaulay <sup>a</sup> |                 | 122.58        | 0.72         | 1.14         |              |             | 124.45          |
|  | Snettisham            |                 |               |              |              | 15.53        |             | 15.53           |
| KTHC   | Deer Mountain         |                 | 0.20          | 0.18         | 0.16         |              | 0.06        | 0.60            |
| KNFC   | Gunnuk Creek          |                 | 70.43         |              |              |              |             | 70.43           |
| POWHA  | Klawock               |                 |               | 3.39         |              | 1.00         |             | 4.39            |
| SJC  | Sheldon Jackson       | 0.80            | 1.12          | 0.07         |              |              |             | 2.00            |
| MIC  | Tamgas Creek          |                 | 6.26          | 3.27         | 0.64         | 0.08         |             | 10.25           |
| NMFS <sup>b</sup>                              | Little Port Walter    |                 |               |              | 0.40         |              |             | 0.40            |
| <b>Southeast Totals<sup>c</sup></b>            |                       | <b>90.66</b>    | <b>500.98</b> | <b>25.88</b> | <b>10.88</b> | <b>17.50</b> | <b>0.06</b> | <b>645.96</b>   |
| <b>Prince William Sound</b>                    |                       |                 |               |              |              |              |             |                 |
| PWSAC  | Armin F. Koernig      | 193.32          |               |              |              |              |             | 193.32          |
|  | Wally Noerenberg      | 119.36          | 151.53        | 1.42         |              |              |             | 272.31          |
|  | Cannery Creek         | 153.08          |               |              |              |              |             | 153.08          |
|  | Main Bay              |                 |               |              |              | 9.74         |             | 9.74            |
| VFDA   | Gulkana               |                 |               |              |              | 36.63        |             | 36.63           |
|  | Solomon Gulch         | 236.96          |               | 2.23         |              |              |             | 239.19          |
| <b>Prince William Sound Totals<sup>c</sup></b> |                       | <b>702.72</b>   | <b>151.53</b> | <b>3.66</b>  | <b>0.00</b>  | <b>46.37</b> | <b>0.00</b> | <b>904.28</b>   |
| <b>Cook Inlet</b>                              |                       |                 |               |              |              |              |             |                 |
| PGHC   | Port Graham           | 57.17           |               |              |              | 0.16         |             | 57.33           |
| CIAA   | Trail Lakes           |                 |               | 1.19         |              | 23.83        |             | 25.02           |
|  | Tutka Bay             | 73.20           |               |              |              |              |             | 73.20           |
| ADF&G  | Ship Creek Complex    |                 |               | 1.69         | 1.41         |              | 4.89        | 7.99            |
|  |                       |                 |               |              |              |              |             | 0.00            |
| <b>Cook Inlet Totals<sup>c</sup></b>           |                       | <b>130.36</b>   | <b>0.00</b>   | <b>2.89</b>  | <b>1.41</b>  | <b>23.99</b> | <b>4.89</b> | <b>163.54</b>   |
| <b>Kodiak</b>                                  |                       |                 |               |              |              |              |             |                 |
| KRAA   | Kitoi Bay             | 181.11          | 28.98         | 2.12         |              | 0.42         |             | 212.64          |
|  | Pillar Creek          |                 |               | 0.14         | 0.16         | 5.58         |             | 5.87            |
| <b>Kodiak Totals<sup>c</sup></b>               |                       | <b>181.11</b>   | <b>28.98</b>  | <b>2.26</b>  | <b>0.16</b>  | <b>6.00</b>  | <b>0.00</b> | <b>218.52</b>   |
| <b>Statewide Totals<sup>c</sup></b>            |                       | <b>1,104.86</b> | <b>681.49</b> | <b>34.68</b> | <b>12.45</b> | <b>93.87</b> | <b>4.95</b> | <b>1,932.29</b> |

<sup>a</sup> Burro Creek and Sheep Creek egg takes are listed under Macaulay Hatchery.

<sup>b</sup> Auke Creek Hatchery inactivated.

<sup>c</sup> Some figures may not total exactly due to rounding.

Table 6. Alaskan hatchery releases in 2003, in millions of fish.

| Area/Operator/Location                         |                               | Pink          | Chum          | Coho         | Chinook     | Sockeye      | Other       | Total         |
|--|-------------------------------|---------------|---------------|--------------|-------------|--------------|-------------|---------------|
| <b>Southeast<sup>a</sup></b>                   |                               |               |               |              |             |              |             |               |
| SSRAA  | Whitman Lake                  |               |               |              | 0.70        |              |             | 0.70          |
|  | Kendrick Bay                  |               | 10.63         |              |             |              |             | 10.63         |
|  | Nakat Inlet                   |               | 8.50          | 0.31         |             |              |             | 8.80          |
|  | Anita Bay                     |               |               | 0.22         |             |              |             | 0.22          |
|  | Neets Bay                     |               |               | 3.13         |             |              |             |               |
|  | Long Lake                     |               |               |              | 0.26        |              |             | 0.26          |
|  | Neets Bay                     |               | 39.03         | 2.08         |             |              |             | 41.10         |
|  | Nakat Inlet                   |               |               |              |             |              |             | 0.00          |
|  | Anita Bay                     |               | 5.41          |              |             |              |             | 5.41          |
|  | Burnett Inlet                 |               |               | 0.25         |             | 0.04         |             | 0.29          |
|  | Hugh Smith Lake               |               |               |              |             | 0.42         |             | 0.42          |
|  | Neck Lake/Creek               |               |               | 1.70         |             | 0.36         |             | 2.06          |
|  | Crystal Lake                  |               |               | 0.18         | 0.73        |              |             | 0.91          |
|  | Neets Bay                     |               |               |              | 0.52        |              |             | 0.52          |
|  | Anita Bay                     |               |               |              | 0.41        |              |             | 0.41          |
| NSRAA  | Hidden Falls                  |               | 38.79         | 2.02         | 1.50        |              |             | 42.31         |
|  | Takatz Bay                    |               | 36.63         |              |             |              |             | 36.63         |
|  | Medvejie                      | 0.27          | 6.80          | 0.01         | 1.76        |              |             | 8.84          |
|  | Deep Inlet                    |               | 41.41         |              |             |              |             | 41.41         |
|  | Deer Lake                     |               |               | 2.47         |             |              |             | 2.47          |
|  | Shamrock Bay                  |               |               | 0.22         |             |              |             | 0.22          |
|  | Haines projects               |               | 0.71          |              |             |              |             | 0.71          |
|  | Port Armstrong                | 83.47         |               | 1.33         | 0.11        |              |             | 84.91         |
|  | Macaulay (formerly Gastineau) |               | 34.80         | 0.78         | 0.12        |              |             | 35.71         |
|  | Amalga Harbor                 |               | 34.88         |              |             |              |             | 34.88         |
| AKI<br>DIPAC                                   | Boat Harbor                   |               | 12.22         |              |             |              |             | 12.22         |
|  | Limestone Inlet               |               | 14.00         |              |             |              |             | 14.00         |
|  | Skagway                       |               |               |              | 0.06        |              |             | 0.06          |
|  | Fish Cr/Auke Bay/Twin L       |               |               | 0.01         | 0.13        |              |             | 0.14          |
|  | Snettisham                    |               |               |              |             | 5.82         |             | 5.82          |
|  | Sweetheart Lake               |               |               |              |             | 0.53         |             | 0.53          |
|  | Tahltan/Tuya Lakes            |               |               |              |             | 3.75         |             | 3.75          |
|  | Tatsamenie Lake               |               |               |              |             | 1.35         |             | 1.35          |
|  | Deer Mountain                 |               |               | 0.05         | 0.10        |              | 0.04        | 0.15          |
|  | Gunnuk Creek                  |               | 6.56          |              |             |              |             | 6.56          |
| KNFC<br>SJC<br>MIC<br>POWHA<br>NMFS            | Southeast Cove                |               | 27.66         |              |             |              |             | 27.66         |
|  | Sheldon Jackson               | 0.80          | 0.18          | 0.00         | 0.00        |              |             | 0.98          |
|  | Tamgas Creek                  |               |               |              | 0.59        |              |             | 0.59          |
|  | Klawock                       |               |               | 2.91         |             | 0.36         |             | 3.27          |
|  | Little Port Walter            |               |               |              | 0.19        |              | 0.01        | 0.20          |
| <b>Southeast Totals<sup>b</sup></b>            |                               | <b>84.53</b>  | <b>318.20</b> | <b>17.67</b> | <b>7.17</b> | <b>12.62</b> | <b>0.05</b> | <b>440.26</b> |
| <b>Prince William Sound</b>                    |                               |               |               |              |             |              |             |               |
| PWSAC  | Armin F. Koernig              | 146.41        |               |              |             |              |             | 146.41        |
|  | Wally Noerenberg              | 119.55        | 59.47         | 0.67         |             |              |             | 179.69        |
|  | Port Chalmers                 |               | 23.52         |              |             |              |             | 23.52         |
|  | Whittier                      |               |               | 0.10         |             |              |             | 0.10          |
|  | Cordova                       |               |               | 0.10         |             |              |             | 0.10          |
|  | Chenega                       |               |               | 0.05         |             |              |             | 0.05          |
|  | Sawmill Bay                   |               | 15.66         |              |             |              |             | 15.66         |
|  | Gulkana I and II              |               |               |              |             |              |             |               |
|  | Paxson Lake                   |               |               |              |             | 11.28        |             | 11.28         |
|  | Crosswind Lake                |               |               |              |             | 8.36         |             | 8.36          |
|  | Summit Lake                   |               |               |              |             | 6.60         |             | 6.60          |
|  | Cannery Creek                 | 135.58        |               |              |             |              |             | 135.58        |
|  | Main Bay                      |               |               |              |             | 6.58         |             | 6.58          |
|  | Solomon Gulch                 | 206.40        |               | 1.28         |             |              |             | 207.67        |
|  |                               |               |               |              |             |              |             |               |
| <b>Prince William Sound Totals<sup>b</sup></b> |                               | <b>607.94</b> | <b>98.65</b>  | <b>2.20</b>  | <b>0.00</b> | <b>32.82</b> | <b>0.00</b> | <b>741.61</b> |
| <b>Cook Inlet<sup>c</sup></b>                  |                               |               |               |              |             |              |             |               |

| Area/Operator/Location               |                         | Pink          | Chum          | Coho         | Chinook     | Sockeye      | Other       | Total           |
|--------------------------------------|-------------------------|---------------|---------------|--------------|-------------|--------------|-------------|-----------------|
| PGHC                                 | Port Graham             | 57.20         |               |              |             | 0.69         |             | 57.89           |
| CIAA                                 | Trail Lakes             |               |               | 0.66         |             | 1.80         |             | 2.46            |
|                                      | Tustamena Lake          |               |               |              |             | 6.02         |             | 6.02            |
|                                      | Kirschner/Leisure/Hazel |               |               |              |             | 4.09         |             | 4.09            |
|                                      | Hidden Lake             |               |               |              |             | 0.63         |             | 0.63            |
|                                      | Meadow Creek            |               |               |              |             | 3.59         |             | 3.59            |
|                                      | Homer Spit              |               |               | 0.10         |             |              |             | 0.10            |
|                                      | Tutka Bay               | 67.97         |               |              |             |              |             | 67.97           |
| ADF&G                                | Ship Creek Complex      |               |               | 0.94         | 2.09        |              | 1.76        | 4.80            |
|                                      | Ft. Richardson          |               |               |              |             |              |             | 0.00            |
| <b>Cook Inlet Totals<sup>b</sup></b> |                         | <b>125.17</b> | <b>0.00</b>   | <b>1.71</b>  | <b>2.09</b> | <b>16.82</b> | <b>1.76</b> | <b>147.55</b>   |
| <b>Kodiak</b>                        |                         |               |               |              |             |              |             |                 |
| KRAA                                 | Kitoi Bay               | 144.82        | 18.72         | 1.06         |             |              |             | 164.61          |
|                                      | Crescent Lake           |               |               | 0.16         |             |              |             | 0.16            |
|                                      | Jennifer Lake           |               |               | 0.20         |             |              |             | 0.20            |
|                                      | Katmai                  |               |               | 0.02         |             |              |             | 0.02            |
|                                      | Little Kitoi            |               |               |              |             | 0.29         |             | 0.29            |
|                                      | Ruth Lake               |               |               | 0.03         |             |              |             | 0.03            |
|                                      | Pillar Creek            |               |               |              | 0.03        |              |             | 0.03            |
|                                      | Crescent Lake           |               |               |              |             | 0.04         |             | 0.04            |
|                                      | Hidden Lake             |               |               |              |             | 0.03         |             | 0.03            |
|                                      | Island Lake             |               |               | 0.02         |             |              |             | 0.02            |
|                                      | Little Waterfall Lake   |               |               |              |             | 0.07         |             | 0.07            |
|                                      | Mission Lake            |               |               | 0.02         |             |              |             | 0.02            |
|                                      | Potato Lake             |               |               | 0.01         |             |              |             | 0.01            |
|                                      | Spiridon Lake           |               |               |              |             | 1.42         |             | 1.42            |
| <b>Kodiak Totals<sup>b</sup></b>     |                         | <b>144.82</b> | <b>18.72</b>  | <b>1.52</b>  | <b>0.03</b> | <b>1.85</b>  | <b>0.00</b> | <b>166.95</b>   |
| <b>Statewide Totals<sup>b</sup></b>  |                         | <b>962.47</b> | <b>435.57</b> | <b>23.10</b> | <b>9.30</b> | <b>64.12</b> | <b>1.81</b> | <b>1,496.36</b> |

<sup>a</sup> No releases were made from Sheep Creek, Bell Island, or Burro Creek hatcheries.

<sup>b</sup> Some figures may not total exactly due to rounding.

<sup>c</sup> No releases were made from Eklutna Hatchery.

Table 7. Estimated adult returns, by species, to Alaska enhancement projects in 2003, including common property harvests, as reported by operators.

| Area/Operator/Location             |                          | Pink              | Chum              | Coho             | Chinook        | Sockeye          | Other          | Total             |
|------------------------------------|--------------------------|-------------------|-------------------|------------------|----------------|------------------|----------------|-------------------|
| <b>Southeast<sup>a</sup></b>       |                          |                   |                   |                  |                |                  |                |                   |
| SSRAA                              | Whitman Lake             |                   | 394,710           | 71,092           | 26,625         |                  |                | 492,427           |
|                                    | Neets Bay                |                   | 1,889,820         | 297,180          | 12,470         |                  |                | 2,199,470         |
| NSRAA                              | Burnett Inlet            |                   |                   | 136,100          |                | 111,317          |                | 247,417           |
|                                    | Crystal Lake             |                   |                   | 8,315            | 6,234          |                  |                | 14,549            |
|                                    | Hidden Falls             |                   | 2,148,941         | 206,188          | 28,994         |                  |                | 2,384,123         |
|                                    | Medvejie                 |                   | 1,107,909         | 61,409           | 48,914         |                  |                | 1,218,232         |
|                                    | Haines projects          |                   | 16,263            |                  |                | 5,653            |                | 21,916            |
| AKI                                | Port Armstrong           | 1,077,424         |                   | 66,355           |                |                  |                | 1,143,779         |
| BCF                                | Burro Creek              |                   |                   |                  |                |                  |                | 0                 |
| DIPAC                              | Sheep Creek <sup>b</sup> |                   |                   |                  |                |                  |                | 0                 |
|                                    | Macaulay                 | 123,483           | 2,619,712         | 84,613           | 9,189          |                  |                | 2,836,997         |
|                                    | Snettisham <sup>c</sup>  |                   |                   |                  |                | 313,581          |                | 313,581           |
| KNFC                               | Gunnuk Creek             |                   | 1,472,754         | 608              |                |                  |                | 1,473,362         |
| SJC                                | Indian River             | 101,110           | 9,109             | 1,962            | 132            |                  |                | 112,313           |
| POWHA                              | Klawock                  |                   |                   | 76,671           |                | 10,074           |                | 86,745            |
| MIC                                | Tamgas Creek             |                   | 16,000            | 80,000           | 9,029          | 200              |                | 105,229           |
| NMFS                               | Auke Creek               |                   |                   |                  |                |                  |                | 0                 |
|                                    | Little Port Walter       |                   |                   |                  | 2,483          |                  | 80             | 2,563             |
| KTHC                               | Deer Mountain            |                   |                   | 4,891            | 1,243          |                  | 60             | 6,194             |
| <b>Southeast Totals</b>            |                          | <b>1,302,017</b>  | <b>9,675,218</b>  | <b>1,095,384</b> | <b>145,313</b> | <b>440,825</b>   | <b>140</b>     | <b>12,658,897</b> |
| <b>Prince William Sound</b>        |                          |                   |                   |                  |                |                  |                |                   |
| PWSAC                              | Armin F. Koernig         | 7,065,581         | 4,881             |                  |                |                  |                | 7,070,462         |
|                                    | Wally Noerenberg         | 17,847,316        | 3,524,315         | 24,005           |                |                  |                | 21,395,636        |
|                                    | Cannery Creek            | 8,288,949         |                   |                  |                |                  |                | 8,288,949         |
|                                    | Main Bay                 |                   |                   |                  |                | 1,424,779        |                | 1,424,779         |
|                                    | Gulkana                  |                   |                   |                  |                | 317,319          |                | 317,319           |
| ADF&G                              | Ship Creek Complex       |                   |                   |                  | 1,059          |                  |                | 1,059             |
| VFDA                               | Solomon Gulch            | 17,374,811        |                   | 203,398          |                |                  |                | 17,578,209        |
| <b>Prince William Sound Totals</b> |                          | <b>50,576,657</b> | <b>3,529,196</b>  | <b>227,403</b>   | <b>1,059</b>   | <b>1,742,098</b> | <b>0</b>       | <b>56,076,413</b> |
| <b>Cook Inlet<sup>d</sup></b>      |                          |                   |                   |                  |                |                  |                |                   |
| PGHC                               | Port Graham              | 83,507            |                   |                  |                | 92,326           |                | 175,833           |
| CIAA                               | Trail Lakes              |                   |                   | 18,164           |                | 1,689,754        |                | 1,707,918         |
|                                    | Tutka                    | 860,005           |                   |                  |                |                  |                | 860,005           |
| ADF&G                              | Ship Creek Complex       |                   |                   | 61,917           | 24,051         |                  | 135,530        | 221,498           |
| <b>Cook Inlet Totals</b>           |                          | <b>943,512</b>    | <b>0</b>          | <b>80,081</b>    | <b>24,051</b>  | <b>1,782,080</b> | <b>135,530</b> | <b>2,965,254</b>  |
| <b>Kodiak</b>                      |                          |                   |                   |                  |                |                  |                |                   |
| KRAA                               | Kitoi Bay                | 6,951,906         | 506,906           | 157,844          |                | 29,802           |                | 7,646,458         |
|                                    | Fish Pass/Other          |                   |                   |                  |                |                  |                | 0                 |
|                                    | Pillar Creek             |                   |                   | 2,430            |                | 836,587          |                | 839,017           |
| <b>Kodiak Totals</b>               |                          | <b>6,951,906</b>  | <b>506,906</b>    | <b>160,274</b>   | <b>0</b>       | <b>866,389</b>   | <b>0</b>       | <b>8,485,475</b>  |
| <b>Statewide Totals</b>            |                          | <b>59,774,092</b> | <b>13,711,320</b> | <b>1,563,142</b> | <b>170,423</b> | <b>4,831,392</b> | <b>135,670</b> | <b>80,186,039</b> |

<sup>a</sup> No enhanced fish returned to Auke Creek or Bell Island hatcheries.

<sup>b</sup> Sheep Creek returns are listed under Macaulay Hatchery.

<sup>c</sup> Estimates of Snettisham enhancement of sockeye returns to transboundary rivers are not included; they were unavailable at the time of this publication.

<sup>d</sup> No fish returned to Eklutna Hatchery.

Table 8. Projected adult returns, by species, to Alaska enhancement projects in 2004.

| Region/Operator/Location           |                             | Pink              | Chum              | Coho             | Chinook        | Sockeye          | Other          | Total             |
|------------------------------------|-----------------------------|-------------------|-------------------|------------------|----------------|------------------|----------------|-------------------|
| <b>Southeast</b>                   |                             |                   |                   |                  |                |                  |                |                   |
| SSRAA                              | Whitman Lake                |                   |                   | 24,000           | 17,000         |                  |                | 41,000            |
|                                    | Earl West Cove              |                   | 17,000            |                  |                |                  |                | 17,000            |
|                                    | Nakat Inlet                 |                   | 250,000           | 22,000           |                |                  |                | 272,000           |
|                                    | Anita Bay                   |                   | 200,000           | 20,000           | 6,000          |                  |                | 226,000           |
|                                    | Kendrick Bay                |                   | 50,000            |                  |                |                  |                | 50,000            |
|                                    | Long Lake                   |                   |                   |                  | 4,000          |                  |                | 4,000             |
|                                    | Neets Bay                   |                   | 1,595,000         | 300,000          | 14,000         |                  |                | 1,909,000         |
|                                    | Burnett Inlet (under SSRAA) |                   |                   | 25,000           |                |                  |                | 25,000            |
|                                    | Neck Lake                   |                   |                   | 120,000          |                | 35,000           |                | 155,000           |
|                                    | Salmon Lake                 |                   |                   |                  |                | 3,200            |                | 3,200             |
| NSRAA                              | Hugh Smith Lake             |                   |                   |                  |                | 113,000          |                | 113,000           |
|                                    | McDonald Lake               |                   |                   |                  |                |                  |                | 0                 |
|                                    | Crystal Lake                |                   |                   | 3,500            | 7,600          |                  |                | 11,100            |
|                                    | Hidden Falls                |                   | 2,500,000         | 162,000          | 26,000         |                  |                | 2,688,000         |
| AKI                                | Medvejie Creek              |                   | 1,800,000         | 30,000           | 37,000         |                  |                | 1,867,000         |
|                                    | Haines projects             |                   | 9,976             |                  |                | 3,709            |                | 13,685            |
| BCF                                | Port Armstrong              | 2,504,129         |                   | 133,135          |                |                  |                | 2,637,264         |
| DIPAC                              | Burro Creek                 |                   |                   |                  | 600            |                  |                | 600               |
| DIPAC                              | Macaulay (was Gastineau)    |                   | 377,000           | 86,000           | 12,200         |                  |                | 475,200           |
|                                    | Amalga Harbor               |                   | 1,440,000         |                  |                |                  |                | 1,440,000         |
|                                    | Boat Harbor                 |                   | 182,000           |                  |                |                  |                | 182,000           |
|                                    | Limestone Inlet             |                   | 99,000            |                  |                |                  |                | 99,000            |
|                                    | Snettisham                  |                   |                   |                  |                | 442,000          |                | 442,000           |
|                                    | Sweetheart Lake             |                   |                   |                  |                | 3,400            |                | 3,400             |
|                                    | Taku River                  |                   |                   |                  |                | 5,200            |                | 5,200             |
|                                    | Stikine River               |                   |                   |                  |                | 30,400           |                | 30,400            |
| KTHC                               | Deer Mountain               |                   |                   | 8,200            | 1,136          |                  | 22             | 9,358             |
| KNFC                               | Gunnuk Creek                |                   | 148,130           | 416              |                |                  |                | 148,546           |
|                                    | Southeast Cove              |                   | 1,363,460         |                  |                |                  |                | 1,363,460         |
| SJC                                | Indian River                | 31,840            | 20,847            | 1,000            | 1,466          |                  |                | 55,153            |
| Federal                            | Little Port Walter          |                   |                   |                  | 2,000          |                  | 160            | 2,160             |
| MIC                                | Tamgas                      |                   | 21,000            | 150,000          | 12,000         | 500              |                | 183,500           |
| POWHA                              | Klawock                     |                   |                   | 232,668          |                | 6,136            |                | 238,804           |
| <b>Southeast Totals</b>            |                             | <b>2,535,969</b>  | <b>10,073,413</b> | <b>1,317,919</b> | <b>141,002</b> | <b>642,545</b>   | <b>182</b>     | <b>14,711,030</b> |
| <b>Prince William Sound</b>        |                             |                   |                   |                  |                |                  |                |                   |
| PWSAC                              | Armin F. Koernig            | 8,651,000         |                   |                  |                |                  |                | 8,651,000         |
|                                    | Wally Noerenberg            | 8,266,000         | 4,148,000         | 70,100           |                |                  |                | 12,484,100        |
|                                    | Cannery Creek               | 7,545,000         |                   |                  |                |                  |                | 7,545,000         |
|                                    | Main Bay                    |                   |                   |                  |                | 1,281,600        |                | 1,281,600         |
|                                    | Gulkana                     |                   |                   |                  |                | 134,000          |                | 134,000           |
| VFDA                               | Solomon Gulch               | 11,578,906        |                   | 132,105          |                |                  |                | 11,711,011        |
| <b>Prince William Sound Totals</b> |                             | <b>36,040,906</b> | <b>4,148,000</b>  | <b>202,205</b>   | <b>0</b>       | <b>1,415,600</b> | <b>0</b>       | <b>41,806,711</b> |
| <b>Cook Inlet</b>                  |                             |                   |                   |                  |                |                  |                |                   |
| PGHC                               | Port Graham                 | 1,371,787         |                   |                  |                | 19,274           |                | 1,391,061         |
| CIAA                               | Trail Lakes                 |                   |                   |                  |                |                  |                |                   |
|                                    | Hazel/Leisure/ Chenik       |                   |                   |                  |                | 49,000           |                | 49,000            |
|                                    | Big Lake                    |                   |                   |                  |                | 130,000          |                | 130,000           |
|                                    | Kirschner Lake              |                   |                   |                  |                | 10,000           |                | 10,000            |
|                                    | Hidden Lake                 |                   |                   |                  |                | 127,000          |                | 127,000           |
|                                    | Bear Lake                   |                   |                   | 16,400           |                | 52,100           |                | 68,500            |
|                                    | Tustumena Lake              |                   |                   |                  |                | 427,000          |                | 427,000           |
| ADF&G                              | Tutka Bay                   | 652,000           |                   |                  |                |                  |                | 652,000           |
|                                    | Ship Creek Complex*         |                   |                   | 66,917           | 25,561         |                  | 134,673        | 227,151           |
| <b>Cook Inlet Totals</b>           |                             | <b>2,023,787</b>  | <b>0</b>          | <b>83,317</b>    | <b>25,561</b>  | <b>814,374</b>   | <b>134,673</b> | <b>3,081,712</b>  |
| <b>Kodiak</b>                      |                             |                   |                   |                  |                |                  |                |                   |
| KRAA                               | Kitoy Bay                   | 7,897,313         | 423,102           | 168,948          |                | 8,796            |                | 8,498,159         |
|                                    | Pillar Creek                |                   |                   | 1,430            |                | 410,152          |                | 411,582           |
| <b>Kodiak Totals</b>               |                             | <b>7,897,313</b>  | <b>423,102</b>    | <b>170,378</b>   | <b>0</b>       | <b>418,948</b>   | <b>0</b>       | <b>8,909,741</b>  |
| <b>Statewide Totals</b>            |                             | <b>48,497,975</b> | <b>14,644,515</b> | <b>1,773,819</b> | <b>166,563</b> | <b>3,291,467</b> | <b>134,855</b> | <b>68,509,194</b> |

\* Ship Creek Complex is the combination of Elmendorf Hatchery and Fort Richardson Hatchery.



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

| Region/Corporation<br>(number of permits)   | State Loans                 |                     |                    |                     | Enhancement Funds<br>Generated Through<br>Assessments Returned to<br>Associations via Contract |                      | 2003<br>Operator<br>Reported<br>Revenues <sup>a</sup> |
|---|-----------------------------|---------------------|--------------------|---------------------|--|----------------------|---|
|   | For Capital<br>Construction |                     | For Operations     |                     | FY 2004  | Cumulative           |   |
|   | FY 2003                     | Cumulative          | FY 2003            | Cumulative          |  |                      |   |
| <b>Southern Southeast</b><br>SSRAA (Southern Southeast<br>Regional<br>Aquaculture Association) — (4) <sup>b</sup><br>POWHA (Prince of Wales Hatchery<br>Association) — (1)<br>KTHC (Ketchikan Tribal Hatchery<br>Corporation) — (1)   | \$300,000                   | \$ 9,693,000        |                    | \$ 4,492,309        | \$ 521,176   | \$32,292,765         | \$ 2,129,903  |
|   |                             | \$ 400,000          |                    | \$ 1,469,000        | \$ 0   | \$ 0                 | \$ 145,958  |
|   |                             |                     |                    |                     | \$ 0   | \$ 0                 | \$ 63,551   |
| <b>Northern Southeast</b><br><br>NSRAA (Northern Southeast Regional<br>Aquaculture Association) — (3) <sup>b</sup><br>AKI (Armstrong-Keta, Inc.) — (1)<br>BCF (Burro Creek Farms, Inc.) — (1)<br>DIPAC (Douglas Island Pink and<br>Chum, Inc.) — (3)<br>KNFC (Kake Nonprofit Fisheries<br>Corporation) — (1)<br>SJC (Sheldon Jackson College) — (1) |                             | \$ 2,724,265        |                    | \$ 1,816,496        | \$ 749,220   | \$24,162,032         | \$ 2,130,852  |
|   |                             | \$ 3,565,145        |                    | \$ 4,087,595        | \$ 0   | \$ 0                 | \$ 219,347  |
|   |                             | \$ 143,500          |                    | \$ 290,875          | \$ 0   | \$ 0                 | \$ 0  |
|   |                             | \$ 9,364,000        |                    | \$13,664,000        | \$ 0   | \$ 0                 | \$ 4,045,700  |
|   |                             | \$ 2,858,724        |                    | \$ 6,128,883        | \$ 0   | \$ 0                 | \$ 1,576,729  |
|   |                             | \$ 423,624          |                    |                     | \$ 0   | \$ 0                 | \$ 0  |
| <b>Prince William Sound</b><br><br>PWSAC (Prince William Sound<br>Aquaculture Association) — (3) <sup>d</sup><br>VFDA (Valdez Fisheries Development<br>Association) — (1)   |                             | \$24,475,419        |                    | \$ 5,585,500        | \$ 529,186   | \$15,088,373         | \$ 7,019,389  |
|   | \$152,744                   | \$ 5,046,443        |                    | \$ 8,024,246        | \$ 0   | \$ 0                 | \$ 3,100,953  |
| <b>Cook Inlet</b><br><br>PGHC (Port Graham Hatchery<br>Corporation) — (1)<br>CIAA (Cook Inlet Aquaculture<br>Association) — (3) <sup>d</sup>  | \$592,000                   | \$ 1,106,500        | \$ 495,855         | \$ 635,155          | \$ 0   | \$ 0                 | \$ 135,671  |
|   |                             | \$ 1,576,381        | \$ 800,000         | \$ 2,982,600        | \$ 251,425   | \$20,258,785         | \$ 1,016,294  |
| <b>Kodiak</b><br><br>KRAA (Kodiak Regional Aquaculture<br>Association) — (2) <sup>d</sup>   |                             |                     |                    |                     | \$ 294,159   | \$11,994,958         | \$ 482,931  |
| <b>Chignik</b><br><br>CRAA (Chignik Regional Aquaculture<br>Association) — (0) <sup>d</sup>   |                             |                     |                    |                     | \$ 87,211  | \$ 3,047,546         | \$ 0  |
| <b>Statewide Totals</b>   | <b>\$1,044,744</b>          | <b>\$61,377,001</b> | <b>\$1,295,855</b> | <b>\$49,176,658</b> | <b>\$2,432,378</b>   | <b>\$106,844,460</b> | <b>\$22,067,278</b>                                   |

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

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

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



Table 10. Salmon production from Alaska's hatcheries and enhancement projects.

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

| Year | Egg Takes | Releases | Returns | Year         | Egg Takes     | Releases      | Returns        |
|------|-----------|----------|---------|--------------|---------------|---------------|----------------|
| 1966 | NA        | 1        | 0       | 1985         | 995           | 659           | 16,650         |
| 1967 | NA        | 1        | 0       | 1986         | 1,031         | 745           | 12,582         |
| 1968 | NA        | 1        | 0       | 1987         | 1,274         | 754           | 24,994         |
| 1969 | NA        | 1        | 0       | 1988         | 889           | 826           | 15,330         |
| 1970 | NA        | 1        | 0       | 1989         | 1,418         | 1,087         | 34,530         |
| 1971 | NA        | 1        | 0       | 1990         | 1,603         | 1,154         | 47,422         |
| 1972 | NA        | 2        | 0       | 1991         | 1,634         | 1,319         | 46,109         |
| 1973 | 2         | 0        | 0       | 1992         | 1,725         | 1,323         | 23,187         |
| 1974 | 8         | 2        | 0       | 1993         | 1,685         | 1,475         | 32,609         |
| 1975 | 29        | 7        | 18      | 1994         | 1,758         | 1,302         | 55,172         |
| 1976 | 56        | 9        | 38      | 1995         | 1,913         | 1,503         | 38,062         |
| 1977 | 96        | 38       | 175     | 1996         | 1,687         | 1,638         | 49,229         |
| 1978 | 129       | 73       | 334     | 1997         | 1,734         | 1,363         | 50,839         |
| 1979 | 152       | 85       | 1,962   | 1998         | 1,776         | 1,453         | 56,468         |
| 1980 | 292       | 96       | 3,024   | 1999         | 1,791         | 1,435         | 71,276         |
| 1981 | 475       | 212      | 4,885   | 2000         | 1,762         | 1,476         | 62,960         |
| 1982 | 548       | 331      | 6,939   | 2001         | 1,792         | 1,481         | 61,729         |
| 1983 | 548       | 412      | 6,560   | 2002         | 1,862         | 1,484         | 49,345         |
| 1984 | 675       | 416      | 6,650   | <b>2003</b>  | <b>1,927</b>  | <b>1,495</b>  | <b>80,050</b>  |
|      |           |          |         | <b>Total</b> | <b>33,265</b> | <b>25,650</b> | <b>859,126</b> |

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

| Year | Egg Takes | Releases | Returns | Year        | Egg Takes    | Releases   | Returns       |
|------|-----------|----------|---------|-------------|--------------|------------|---------------|
| 1974 | 5         | 0        |         | 1989        | 975          | 675        | 31,754        |
| 1975 | 15        | 5        | 18      | 1990        | 1,014        | 811        | 41,207        |
| 1976 | 23        | 4        | 16      | 1991        | 998          | 862        | 38,132        |
| 1977 | 66        | 18       | 175     | 1992        | 1,077        | 797        | 14,879        |
| 1978 | 79        | 50       | 321     | 1993        | 1,031        | 919        | 20,693        |
| 1979 | 91        | 60       | 1,591   | 1994        | 1,076        | 790        | 41,489        |
| 1980 | 174       | 64       | 2,310   | 1995        | 1,162        | 921        | 25,415        |
| 1981 | 328       | 135      | 4,371   | 1996        | 929          | 999        | 29,298        |
| 1982 | 344       | 218      | 6,610   | 1997        | 1,064        | 772        | 33,956        |
| 1983 | 406       | 264      | 5,939   | 1998        | 1,121        | 873        | 38,651        |
| 1984 | 443       | 332      | 5,298   | 1999        | 1,092        | 878        | 51,973        |
| 1985 | 604       | 366      | 14,158  | 2000        | 1,074        | 880        | 40,395        |
| 1986 | 511       | 484      | 9,044   | 2001        | 1,097        | 942        | 47,247        |
| 1987 | 840       | 443      | 21,960  | 2002        | 1,168        | 938        | 30,835        |
| 1988 | 736       | 730      | 13,838  | <b>2003</b> | <b>1,105</b> | <b>962</b> | <b>59,774</b> |

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

| Year | Egg Takes | Releases | Returns | Year        | Egg Takes  | Releases   | Returns       |
|------|-----------|----------|---------|-------------|------------|------------|---------------|
| 1974 | 1         | 0        |         | 1989        | 293        | 310        | 1,347         |
| 1975 | 5         | 1        |         | 1990        | 450        | 241        | 2,039         |
| 1976 | 7         | 2        |         | 1991        | 480        | 365        | 2,181         |
| 1977 | 8         | 3        | 1       | 1992        | 510        | 428        | 3,089         |
| 1978 | 12        | 4        | 3       | 1993        | 496        | 469        | 6,709         |
| 1979 | 24        | 7        | 6       | 1994        | 529        | 407        | 8,996         |
| 1980 | 74        | 13       | 16      | 1995        | 596        | 473        | 9,808         |
| 1981 | 87        | 46       | 53      | 1996        | 590        | 535        | 16,353        |
| 1982 | 126       | 63       | 153     | 1997        | 524        | 485        | 12,595        |
| 1983 | 170       | 86       | 301     | 1998        | 517        | 479        | 13,468        |
| 1984 | 269       | 108      | 1,809   | 1999        | 571        | 461        | 15,072        |
| 1985 | 244       | 201      | 1,404   | 2000        | 576        | 508        | 18,698        |
| 1986 | 374       | 182      | 1,931   | 2001        | 564        | 468        | 9,167         |
| 1987 | 380       | 298      | 1,930   | 2002        | 549        | 451        | 12,565        |
| 1988 | 392       | 288      | 2,490   | <b>2003</b> | <b>681</b> | <b>436</b> | <b>13,711</b> |

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

| Year | Egg Takes | Releases | Returns | Year        | Egg Takes | Releases  | Returns      |
|------|-----------|----------|---------|-------------|-----------|-----------|--------------|
| 1966 | NA        | 1        |         | 1985        | 20        | 15        | 308          |
| 1967 | NA        | 1        |         | 1986        | 24        | 13        | 647          |
| 1968 | NA        | 1        |         | 1987        | 26        | 15        | 451          |
| 1969 | NA        | 1        |         | 1988        | 28        | 19        | 251          |
| 1970 | NA        | 1        |         | 1989        | 23        | 16        | 489          |
| 1971 | NA        | 0        |         | 1990        | 22        | 18        | 940          |
| 1972 | NA        | 2        |         | 1991        | 23        | 14        | 1,251        |
| 1973 | NA        | 2        |         | 1992        | 21        | 14        | 1,378        |
| 1974 | NA        | 2        |         | 1993        | 25        | 15        | 915          |
| 1975 | 7         | 4        | 0       | 1994        | 28        | 18        | 1,306        |
| 1976 | 5         | 3        | 22      | 1995        | 27        | 21        | 1,312        |
| 1977 | 5         | 5        |         | 1996        | 30        | 21        | 1,087        |
| 1978 | 5         | 3        |         | 1997        | 36        | 23        | 1,456        |
| 1979 | 4         | 3        | 49      | 1998        | 30        | 21        | 1,365        |
| 1980 | 4         | 2        | 21      | 1999        | 26        | 22        | 1,553        |
| 1981 | 8         | 3        | 55      | 2000        | 28        | 19        | 1,631        |
| 1982 | 16        | 3        | 108     | 2001        | 29        | 21        | 1,799        |
| 1983 | 17        | 9        | 96      | 2002        | 36        | 20        | 2,120        |
| 1984 | 21        | 11       | 179     | <b>2003</b> | <b>35</b> | <b>23</b> | <b>1,563</b> |

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

| Year | Egg Takes | Releases | Returns | Year        | Egg Takes | Releases | Returns    |
|------|-----------|----------|---------|-------------|-----------|----------|------------|
| 1966 | NA        | 0        |         | 1985        | 19        | 4        | 26         |
| 1967 | NA        | 1        |         | 1986        | 16        | 6        | 40         |
| 1968 | NA        | 0        |         | 1987        | 17        | 8        | 93         |
| 1969 | NA        | 0        |         | 1988        | 18        | 9        | 75         |
| 1970 | NA        | 0        |         | 1989        | 15        | 8        | 76         |
| 1971 | NA        | 0        |         | 1990        | 17        | 10       | 116        |
| 1972 | NA        | 0        |         | 1991        | 20        | 7        | 172        |
| 1973 | NA        | 0        |         | 1992        | 13        | 10       | 131        |
| 1974 | 0         | 1        |         | 1993        | 12        | 12       | 112        |
| 1975 | 1         | 0        |         | 1994        | 13        | 10       | 126        |
| 1976 | 1         | 0        |         | 1995        | 14        | 7        | 171        |
| 1977 | 3         | 1        |         | 1996        | 11        | 7        | 171        |
| 1978 | 2         | 1        | 0       | 1997        | 12        | 7        | 150        |
| 1979 | 2         | 1        | 3       | 1998        | 13        | 8        | 104        |
| 1980 | 3         | 1        | 7       | 1999        | 12        | 8        | 112        |
| 1981 | 1         | 1        | 5       | 2000        | 11        | 9        | 159        |
| 1982 | 3         | 1        | 12      | 2001        | 13        | 10       | 188        |
| 1983 | 7         | 2        | 13      | 2002        | 16        | 8        | 157        |
| 1984 | 10        | 4        | 21      | <b>2003</b> | <b>12</b> | <b>9</b> | <b>170</b> |

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

| Year | Egg Takes | Releases | Returns | Year        | Egg Takes | Releases  | Returns      |
|------|-----------|----------|---------|-------------|-----------|-----------|--------------|
| 1972 | NA        | 0        |         | 1988        | 107       | 69        | 1,166        |
| 1973 | 2         | 0        |         | 1989        | 112       | 77        | 864          |
| 1974 | 2         | 1        |         | 1990        | 100       | 74        | 3,120        |
| 1975 | 8         | 1        |         | 1991        | 113       | 70        | 4,373        |
| 1976 | 24        | 2        |         | 1992        | 104       | 74        | 3,710        |
| 1977 | 19        | 14       | 0       | 1993        | 122       | 61        | 4,180        |
| 1978 | 35        | 16       | 13      | 1994        | 112       | 77        | 3,255        |
| 1979 | 30        | 17       | 318     | 1995        | 115       | 81        | 1,356        |
| 1980 | 38        | 15       | 670     | 1996        | 127       | 75        | 2,320        |
| 1981 | 51        | 28       | 401     | 1997        | 98        | 75        | 2,682        |
| 1982 | 59        | 45       | 56      | 1998        | 95        | 72        | 2,879        |
| 1983 | 68        | 53       | 210     | 1999        | 91        | 67        | 2,566        |
| 1984 | 86        | 52       | 382     | 2000        | 74        | 60        | 2,076        |
| 1985 | 108       | 73       | 754     | 2001        | 89        | 39        | 3,328        |
| 1986 | 101       | 77       | 1,146   | 2002        | 93        | 67        | 3,668        |
| 1987 | 107       | 60       | 920     | <b>2003</b> | <b>94</b> | <b>64</b> | <b>4,831</b> |

Table 11. Summaries of salmon production in Alaska from private nonprofit hatcheries.

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

| Year   | Egg take<br>(millions) | Fry release<br>(millions) | Total return<br>(thousands) | Cost recovery<br>(thousands) | Cost recovery<br>revenue |
|--|------------------------|---------------------------|-----------------------------|------------------------------|--------------------------|
| 1975   | 8                      |                           |                             |                              |                          |
| 1976   | 17                     | 4                         |                             |                              |                          |
| 1977   | 37                     | 12                        | 160                         | 109                          |                          |
| 1978   | 37                     | 27                        | 161                         | 215                          |                          |
| 1979   | 54                     | 29                        | 357                         | 253                          | \$272,000                |
| 1980   | 126                    | 36                        | 1,506                       | 346                          | \$482,000                |
| 1981   | 224                    | 102                       | 2,564                       | 856                          | \$1,274,640              |
| 1982   | 234                    | 127                       | 5,341                       | 1,364                        | \$1,170,000              |
| 1983   | 261                    | 170                       | 4,286                       | 886                          | \$671,000                |
| 1984   | 373                    | 218                       | 4,764                       | 1,043                        | \$1,655,000              |
| 1985   | 470                    | 302                       | 8,106                       | 1,854                        | \$1,902,000              |
| 1986   | 522                    | 381                       | 7,904                       | 1,212                        | \$1,861,000              |
| 1987   | 868                    | 461                       | 19,097                      | 4,184                        | \$6,562,000              |
| 1988   | 1,046                  | 820                       | 14,344                      | 2,498                        | \$8,789,000              |
| 1989   | 1,109                  | 860                       | 24,045                      | 15,012                       | \$16,611,000             |
| 1990   | 1,249                  | 925                       | 42,405                      | 10,388                       | \$12,898,000             |
| 1991   | 1,326                  | 1,087                     | 40,265                      | 13,170                       | \$6,317,000              |
| 1992   | 1,428                  | 1,075                     | 18,175                      | 7,255                        | \$10,239,000             |
| 1993   | 1,613                  | 1,426                     | 27,781                      | 4,848                        | \$7,340,000              |
| 1994   | 1,726                  | 1,268                     | 52,023                      | 15,906                       | \$17,104,000             |
| 1995   | 1,877                  | 1,174                     | 37,593                      | 9,554                        | \$12,924,000             |
| 1996   | 1,735                  | 1,632                     | 48,946                      | 14,657                       | \$14,325,000             |
| 1997   | 1,713                  | 1,349                     | 50,629                      | 19,352                       | \$16,111,000             |
| 1998   | 1,759                  | 1,444                     | 56,154                      | 15,651                       | \$14,535,000             |
| 1999   | 1,778                  | 1,428                     | 71,140                      | 22,608                       | \$21,759,078             |
| 2000   | 1,750                  | 1,469                     | 62,743                      | 19,007                       | \$26,065,000             |
| 2001   | 1,779                  | 1,473                     | 59,885                      | 18,398                       | \$22,196,000             |
| 2002   | 1,849                  | 1,478                     | 49,061                      | 19,004                       | \$19,462,990             |
| <b>2003</b>  | <b>1,914</b>           | <b>1,491</b>              | <b>79,847</b>               | <b>23,029</b>                | <b>\$19,999,879</b>      |
| <b>Cumulative Hatchery Revenues from Special Harvests:</b> |                        |                           |                             |                              | <b>\$262,525,587</b>     |

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

| Year        | Egg take<br>(millions) | Fry release<br>(millions) | Total return<br>(thousands) | Cost recovery<br>(thousands) |
|-------------|------------------------|---------------------------|-----------------------------|------------------------------|
| 1975        | 8                      |                           |                             |                              |
| 1976        | 16                     | 4                         |                             |                              |
| 1977        | 35                     | 12                        | 160                         | 109                          |
| 1978        | 35                     | 26                        | 160                         | 215                          |
| 1979        | 47                     | 28                        | 356                         | 253                          |
| 1980        | 98                     | 32                        | 1,505                       | 346                          |
| 1981        | 188                    | 79                        | 2,491                       | 838                          |
| 1982        | 185                    | 103                       | 5,253                       | 1,359                        |
| 1983        | 186                    | 127                       | 4,087                       | 843                          |
| 1984        | 242                    | 159                       | 3,638                       | 583                          |
| 1985        | 340                    | 199                       | 7,405                       | 1,699                        |
| 1986        | 325                    | 272                       | 6,768                       | 949                          |
| 1987        | 618                    | 299                       | 17,964                      | 3,625                        |
| 1988        | 645                    | 626                       | 12,258                      | 2,008                        |
| 1989        | 806                    | 553                       | 22,561                      | 14,529                       |
| 1990        | 789                    | 685                       | 39,920                      | 9,846                        |
| 1991        | 831                    | 704                       | 37,081                      | 12,367                       |
| 1992        | 883                    | 648                       | 13,200                      | 5,977                        |
| 1993        | 1,029                  | 920                       | 19,844                      | 2,740                        |
| 1994        | 1,075                  | 787                       | 40,939                      | 13,384                       |
| 1995        | 1,162                  | 621                       | 25,415                      | 6,819                        |
| 1996        | 929                    | 999                       | 29,298                      | 9,401                        |
| 1997        | 1,064                  | 772                       | 33,956                      | 14,027                       |
| 1998        | 1,121                  | 873                       | 38,652                      | 10,693                       |
| 1999        | 1,092                  | 878                       | 51,973                      | 17,623                       |
| 2000        | 1,074                  | 880                       | 40,395                      | 12,381                       |
| 2001        | 1,097                  | 942                       | 47,247                      | 14,564                       |
| 2002        | 1,168                  | 938                       | 30,835                      | 12,916                       |
| <b>2003</b> | <b>1,105</b>           | <b>962</b>                | <b>59,774</b>               | <b>15,447</b>                |

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

| Year        | Egg take<br>(millions) | Fry release<br>(millions) | Total return<br>(thousands) | Cost recovery<br>(thousands) |
|-------------|------------------------|---------------------------|-----------------------------|------------------------------|
| 1975        | <1                     | <1                        |                             |                              |
| 1976        | <1                     | <1                        |                             |                              |
| 1977        | 2                      | <1                        |                             |                              |
| 1978        | 2                      | 1                         | 1                           | 0                            |
| 1979        | 7                      | 1                         | <1                          | 0                            |
| 1980        | 27                     | 3                         | 2                           | 0                            |
| 1981        | 32                     | 22                        | 21                          | 12                           |
| 1982        | 46                     | 24                        | 22                          | <1                           |
| 1983        | 69                     | 42                        | 127                         | 35                           |
| 1984        | 122                    | 55                        | 1,001                       | 437                          |
| 1985        | 119                    | 98                        | 525                         | 123                          |
| 1986        | 181                    | 100                       | 780                         | 189                          |
| 1987        | 235                    | 150                       | 955                         | 499                          |
| 1988        | 370                    | 186                       | 1,835                       | 470                          |
| 1989        | 267                    | 287                       | 1,102                       | 298                          |
| 1990        | 425                    | 217                       | 1,633                       | 370                          |
| 1991        | 442                    | 359                       | 1,959                       | 404                          |
| 1992        | 495                    | 394                       | 3,079                       | 706                          |
| 1993        | 458                    | 452                       | 6,387                       | 1,782                        |
| 1994        | 520                    | 402                       | 8,783                       | 2,128                        |
| 1995        | 590                    | 463                       | 9,800                       | 2,252                        |
| 1996        | 651                    | 534                       | 16,205                      | 4,782                        |
| 1997        | 517                    | 477                       | 13,250                      | 4,643                        |
| 1998        | 513                    | 479                       | 13,423                      | 4,355                        |
| 1999        | 568                    | 460                       | 15,072                      | 4,361                        |
| 2000        | 572                    | 508                       | 18,698                      | 6,060                        |
| 2001        | 560                    | 468                       | 7,620                       | 3,104                        |
| 2002        | 547                    | 450                       | 12,561                      | 5,074                        |
| <b>2003</b> | <b>675</b>             | <b>436</b>                | <b>13,686</b>               | <b>6,534</b>                 |

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

| Year        | Egg take<br>(millions) | Juvenile<br>release<br>(millions) | Total return<br>(thousands) | Cost recovery<br>(thousands) |
|-------------|------------------------|-----------------------------------|-----------------------------|------------------------------|
| 1975        | <1                     |                                   |                             |                              |
| 1976        | <1                     |                                   |                             |                              |
| 1977        | <1                     | <1                                |                             |                              |
| 1978        | 1                      | <1                                | <1                          |                              |
| 1979        | 1                      | <1                                | <1                          |                              |
| 1980        | 1                      | 1                                 | <1                          |                              |
| 1981        | 3                      | 1                                 | 52                          | 6                            |
| 1982        | 3                      | 1                                 | 62                          | 2                            |
| 1983        | 6                      | 2                                 | 72                          | 7                            |
| 1984        | 6                      | 3                                 | 121                         | 22                           |
| 1985        | 4                      | 4                                 | 168                         | 30                           |
| 1986        | 8                      | 4                                 | 345                         | 73                           |
| 1987        | 9                      | 5                                 | 169                         | 58                           |
| 1988        | 13                     | 5                                 | 122                         | 11                           |
| 1989        | 14                     | 9                                 | 305                         | 89                           |
| 1990        | 14                     | 11                                | 692                         | 141                          |
| 1991        | 16                     | 12                                | 1,001                       | 368                          |
| 1992        | 17                     | 10                                | 1,070                       | 378                          |
| 1993        | 19                     | 11                                | 657                         | 144                          |
| 1994        | 24                     | 13                                | 1,189                       | 240                          |
| 1995        | 22                     | 14                                | 966                         | 319                          |
| 1996        | 28                     | 20                                | 1,041                       | 253                          |
| 1997        | 26                     | 18                                | 921                         | 258                          |
| 1998        | 23                     | 17                                | 1,124                       | 342                          |
| 1999        | 20                     | 18                                | 1,452                       | 372                          |
| 2000        | 22                     | 15                                | 1,456                       | 320                          |
| 2001        | 23                     | 17                                | 1,561                       | 433                          |
| 2002        | 31                     | 17                                | 1,875                       | 766                          |
| <b>2003</b> | <b>30</b>              | <b>22</b>                         | <b>1,421</b>                | <b>395</b>                   |

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

| Year        | Egg take<br>(millions) | Juvenile<br>release<br>(millions) | Total return<br>(thousands) | Cost recovery<br>(thousands) |
|-------------|------------------------|-----------------------------------|-----------------------------|------------------------------|
| 1980        | <1                     |                                   |                             |                              |
| 1981        | <1                     |                                   |                             |                              |
| 1982        | <1                     | <1                                | 4                           | 3                            |
| 1983        | 1                      | <1                                | 1                           | 0                            |
| 1984        | 3                      | <1                                | 4                           | 1                            |
| 1985        | 6                      | 1                                 | 8                           | 2                            |
| 1986        | 7                      | 4                                 | 11                          | 1                            |
| 1987        | 5                      | 6                                 | 9                           | 2                            |
| 1988        | 7                      | 2                                 | 23                          | 9                            |
| 1989        | 7                      | 3                                 | 37                          | 18                           |
| 1990        | 9                      | 5                                 | 60                          | 22                           |
| 1991        | 10                     | 4                                 | 70                          | 26                           |
| 1992        | 7                      | 6                                 | 42                          | 23                           |
| 1993        | 5                      | 7                                 | 54                          | 26                           |
| 1994        | 6                      | 6                                 | 58                          | 15                           |
| 1995        | 6                      | 4                                 | 98                          | 28                           |
| 1996        | 8                      | 4                                 | 97                          | 34                           |
| 1997        | 8                      | 5                                 | 85                          | 32                           |
| 1998        | 7                      | 5                                 | 76                          | 19                           |
| 1999        | 7                      | 5                                 | 77                          | 16                           |
| 2000        | 8                      | 7                                 | 117                         | 37                           |
| 2001        | 10                     | 7                                 | 130                         | 49                           |
| 2002        | 10                     | 6                                 | 122                         | 33                           |
| <b>2003</b> | <b>10</b>              | <b>6</b>                          | <b>134</b>                  | <b>49</b>                    |

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

| Year        | Egg take<br>(millions) | Fry release<br>(millions) | Total return<br>(thousands) | Cost recovery<br>(thousands) |
|-------------|------------------------|---------------------------|-----------------------------|------------------------------|
| 1985        | <1                     |                           |                             |                              |
| 1986        | 1                      | <1                        |                             |                              |
| 1987        | 2                      | 1                         |                             |                              |
| 1988        | 11                     | 1                         | 66                          | 0                            |
| 1989        | 15                     | 8                         | 40                          | 79                           |
| 1990        | 12                     | 8                         | 101                         | 9                            |
| 1991        | 27                     | 8                         | 154                         | 5                            |
| 1992        | 26                     | 16                        | 784                         | 171                          |
| 1993        | 103                    | 37                        | 839                         | 156                          |
| 1994        | 100                    | 60                        | 1,054                       | 139                          |
| 1995        | 97                     | 72                        | 1,313                       | 136                          |
| 1996        | 119                    | 75                        | 2,306                       | 187                          |
| 1997        | 98                     | 77                        | 2,417                       | 392                          |
| 1998        | 95                     | 71                        | 2,880                       | 242                          |
| 1999        | 91                     | 67                        | 2,566                       | 236                          |
| 2000        | 74                     | 60                        | 2,076                       | 209                          |
| 2001        | 89                     | 39                        | 3,327                       | 248                          |
| 2002        | 93                     | 67                        | 3,668                       | 216                          |
| <b>2003</b> | <b>94</b>              | <b>64</b>                 | <b>4,831</b>                | <b>604</b>                   |

Table 12. Alaska commercial salmon fishery harvest average weights and prices, 2003.

| Area/Species                | Average Harvest <sup>a</sup> |           |
|-----------------------------|------------------------------|-----------|
|                             | Weight (lb)                  | Price/lb. |
| <b>Cook Inlet</b>           |                              |           |
| Chinook                     | 17.67                        | \$0.97    |
| Sockeye                     | 6.15                         | \$0.60    |
| Coho                        | 6.57                         | \$0.24    |
| Pink                        | 3.26                         | \$0.05    |
| Chum                        | 7.35                         | \$0.14    |
| <b>Kodiak</b>               |                              |           |
| Chinook                     | 10.22                        | \$0.46    |
| Sockeye                     | 5.36                         | \$0.53    |
| Coho                        | 7.67                         | \$0.16    |
| Pink                        | 3.55                         | \$0.07    |
| Chum                        | 7.16                         | \$0.11    |
| <b>Prince William Sound</b> |                              |           |
| Chinook                     | 22.00                        | \$3.40    |
| Sockeye                     | 6.06                         | \$1.10    |
| Coho                        | 8.27                         | \$0.45    |
| Pink                        | 3.52                         | \$0.10    |
| Chum                        | 7.04                         | \$0.18    |
| <b>Southeast</b>            |                              |           |
| Chinook                     | 15.45                        | \$1.12    |
| Sockeye                     | 6.20                         | \$0.85    |
| Coho                        | 7.45                         | \$0.65    |
| Pink                        | 3.51                         | \$0.06    |
| Chum                        | 7.18                         | \$0.19    |

<sup>a</sup> Data from the Alaska Department of Fish and Game website:

<<http://www.state.ak.us/adfg/geninfo/finfish/salmon/salmhome.htm>>. Accessed 01/22/2004.

Table 13. Alaska state hatchery FY2003 operating budgets, in thousands of dollars.

| Hatchery                           | FY2003           | FY2003       |
|------------------------------------|------------------|--------------|
|                                    | Authorized Total | Actual Total |
| Elmendorf Hatchery                 | \$ 488.80        | \$ 526.36    |
| Ft. Richardson Hatchery            | \$1,026.00       | \$ 929.51    |
| Crystal Lake Hatchery <sup>a</sup> | \$ 192.70        | \$ 192.70    |

<sup>a</sup> Crystal Lake Hatchery was also funded with \$192,700 from the Southeast Sustainable Salmon Fund, and with \$200,000 from the Southern Southeast Regional Aquaculture Association.

Table 14. Detailed return information, by species, to 2003 Alaska enhancement program projects.

Table 14(a). Estimated pink salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators.

| Area/Operator/Location             |                          |  | Common Property Harvest |               |          |               | Other            | Brood            | Cost Recovery     |                  | Total             |
|------------------------------------|--------------------------|--|-------------------------|---------------|----------|---------------|------------------|------------------|-------------------|------------------|-------------------|
|                                    |                          |  | Seine                   | Gillnet       | Troll    | Sport         |                  |                  | Harvest           | Escapement       |                   |
| <b>Southeast</b>                   |                          |  |                         |               |          |               |                  |                  |                   |                  |                   |
| AKI                                | Port Armstrong           |  | 478,855                 |               |          |               | 65,000           | 153,541          | 380,028           |                  | <b>1,077,424</b>  |
| DIPAC                              | Macaulay (was Gastineau) |  | 11,493                  | 11,493        |          | 2,295         | 50,331           |                  | 47,871            |                  | <b>123,483</b>    |
| SJC                                | Sitka                    |  |                         |               |          |               | 201              | 909              |                   | 100,000          | <b>101,110</b>    |
| NMFS                               | Little Port Walter       |  |                         |               |          |               |                  |                  |                   |                  | <b>0</b>          |
| <b>Southeast Totals</b>            |                          |  | <b>490,348</b>          | <b>11,493</b> | <b>0</b> | <b>2,295</b>  | <b>115,532</b>   | <b>154,450</b>   | <b>427,899</b>    | <b>100,000</b>   | <b>1,302,017</b>  |
| <b>Prince William Sound</b>        |                          |  |                         |               |          |               |                  |                  |                   |                  |                   |
| PWSAC                              | Armin F. Koernig         |  | 4,494,486               |               |          |               | 350,000          | 714,927          | 1,506,168         |                  | <b>7,065,581</b>  |
|                                    | Wally Noerenberg         |  | 12,422,082              |               |          |               |                  | 750,435          | 4,674,799         |                  | <b>17,847,316</b> |
|                                    | Cannery Creek            |  | 5,390,008               |               |          |               | 150,000          | 296,367          | 2,452,574         |                  | <b>8,288,949</b>  |
| VFDA                               | Solomon Gulch            |  | 11,871,024              |               |          | 30,000        | 1,000,000        | 251,151          | 4,176,473         | 46,163           | <b>17,374,811</b> |
| <b>Prince William Sound Totals</b> |                          |  | <b>34,177,600</b>       | <b>0</b>      | <b>0</b> | <b>30,000</b> | <b>1,500,000</b> | <b>2,012,880</b> | <b>12,810,014</b> | <b>46,163</b>    | <b>50,576,657</b> |
| <b>Cook Inlet</b>                  |                          |  |                         |               |          |               |                  |                  |                   |                  |                   |
| PGHC                               | Port Graham              |  |                         |               |          |               | 266              | 78,241           |                   | 5,000            | <b>83,507</b>     |
| CIAA                               | Tutka                    |  | 90                      | 3,834         |          | 1,500         |                  | 189,120          | 634,320           | 31,141           | <b>860,005</b>    |
| <b>Cook Inlet Totals</b>           |                          |  | <b>90</b>               | <b>3,834</b>  | <b>0</b> | <b>1,500</b>  | <b>266</b>       | <b>267,361</b>   | <b>634,320</b>    | <b>36,141</b>    | <b>943,512</b>    |
| <b>Kodiak</b>                      |                          |  |                         |               |          |               |                  |                  |                   |                  |                   |
| KRAA                               | Kitoi Bay                |  | 5,013,172               |               |          |               | 1,077            | 63,903           | 239,033           | 1,574,721        | <b>6,951,906</b>  |
| <b>Kodiak Totals</b>               |                          |  | <b>5,013,172</b>        | <b>0</b>      | <b>0</b> | <b>0</b>      | <b>1,077</b>     | <b>63,903</b>    | <b>239,033</b>    | <b>1,574,721</b> | <b>6,951,906</b>  |
| <b>Statewide Totals</b>            |                          |  | <b>39,681,210</b>       | <b>15,327</b> | <b>0</b> | <b>33,795</b> | <b>1,343</b>     | <b>1,679,435</b> | <b>2,673,724</b>  | <b>242,304</b>   | <b>59,774,092</b> |

Table 14(b). Estimated chum salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators.

| Area/Operator/Location             |                          | Common Property Harvest |                  |                |              |                          | Cost Recovery  |                |                  |               | Total             |
|------------------------------------|--------------------------|-------------------------|------------------|----------------|--------------|--------------------------|----------------|----------------|------------------|---------------|-------------------|
|                                    |                          | Seine                   | Gillnet          | Troll          | Sport        | Personal Use/Subsistence | Other          | Brood          | Harvest          | Escapement    |                   |
| <b>Southeast</b>                   |                          |                         |                  |                |              |                          |                |                |                  |               |                   |
| SSRAA                              | Whitman Lake             |                         |                  |                |              |                          |                |                |                  |               |                   |
|                                    | Nakat Inlet – summer     | 93,200                  | 85,000           |                |              |                          |                |                |                  |               | 178,200           |
|                                    | Anita Bay -summer        | 9,700                   | 9,960            |                |              |                          |                |                |                  |               | 19,660            |
|                                    | Earl West Cove – summer  | 32,700                  | 89,250           |                |              |                          |                |                |                  |               | 121,950           |
|                                    | Kendrick Bay – summer    | 69,900                  | 5,000            |                |              |                          |                |                |                  |               | 74,900            |
|                                    | Neets Bay – summer       | 172,300                 | 81,100           | 170,700        |              |                          | 14,100         | 105,400        | 841,200          |               | 1,384,800         |
|                                    | Neets Bay – fall         | 51,100                  | 85,200           | 20             |              |                          | 9,400          | 44,500         | 205,100          |               | 395,320           |
|                                    | Nakat Inlet – fall       | 5,500                   | 104,200          |                |              |                          |                |                |                  |               | 109,700           |
| NSRAA                              | Medvejie                 | 528,146                 | 210,948          | 87,582         |              |                          | 18,940         | 28,671         | 230,722          | 2,900         | 1,107,909         |
|                                    | Hidden Falls             | 1,342,396               |                  | 9,127          |              |                          | 43,523         | 123,930        | 629,965          |               | 2,148,941         |
|                                    | Haines projects          |                         | 14,277           |                |              |                          |                | 620            |                  | 1,366         | 16,263            |
| DIPAC                              | Sheep Creek              |                         |                  |                |              |                          |                |                |                  |               | 0                 |
|                                    | Macaulay (was Gastineau) | 6,814                   | 79,834           | 295            | 1,933        |                          | 85,162         | 98,668         | 19,210           |               | 291,916           |
|                                    | Amalga                   | 57,973                  | 270,032          | 1,410          |              |                          |                |                | 1,826,922        |               | 2,156,337         |
|                                    | Limestone Inlet          | 11,818                  | 56,445           | 49             |              |                          |                |                |                  |               | 68,312            |
|                                    | Boat Harbor              | 10,815                  | 92,316           | 16             |              |                          |                |                |                  |               | 103,147           |
| KNFC                               | Gunnuk Creek             | 11,713                  |                  | 100            | 150          |                          | 3,305          | 90,439         |                  | 917           | 106,624           |
|                                    | Southeast Cove           | 135,038                 |                  | 500            |              |                          | 10,000         |                | 1,220,592        |               | 1,366,130         |
| SJC                                | Sitka                    | 9,082                   |                  |                |              |                          | 6              | 21             |                  |               | 9,109             |
| MIC                                | Tamgas Creek*            |                         |                  |                |              |                          |                |                |                  |               | 16,000            |
| <b>Southeast Totals</b>            |                          | <b>2,548,195</b>        | <b>1,183,562</b> | <b>269,799</b> | <b>2,083</b> | <b>0</b>                 | <b>184,436</b> | <b>492,249</b> | <b>4,973,711</b> | <b>5,183</b>  | <b>9,675,218</b>  |
| <b>Prince William Sound</b>        |                          |                         |                  |                |              |                          |                |                |                  |               |                   |
| PWSAC                              | Wally Noerenberg         | 390,242                 | 617,347          |                |              |                          |                | 178,142        | 1,553,595        |               | 2,739,326         |
|                                    | Pt. Chalmers             | 784,989                 |                  |                |              |                          |                |                |                  |               | 784,989           |
|                                    | Armin F. Koernig         | 4,881                   |                  |                |              |                          |                |                |                  |               | 4,881             |
| <b>Prince William Sound Totals</b> |                          | <b>1,180,112</b>        | <b>617,347</b>   | <b>0</b>       | <b>0</b>     | <b>0</b>                 | <b>0</b>       | <b>178,142</b> | <b>1,553,595</b> | <b>0</b>      | <b>3,529,196</b>  |
| <b>Kodiak</b>                      |                          |                         |                  |                |              |                          |                |                |                  |               |                   |
| KRAA                               | Kitoi Bay                | 459,815                 |                  |                |              |                          | 2,351          | 31,350         | 6,390            | 7,000         | 506,906           |
| <b>Kodiak Totals</b>               |                          | <b>459,815</b>          | <b>0</b>         | <b>0</b>       | <b>0</b>     | <b>0</b>                 | <b>2,351</b>   | <b>31,350</b>  | <b>6,390</b>     | <b>7,000</b>  | <b>506,906</b>    |
| <b>Statewide Totals</b>            |                          | <b>4,188,122</b>        | <b>1,800,909</b> | <b>269,799</b> | <b>2,083</b> | <b>0</b>                 | <b>186,787</b> | <b>701,741</b> | <b>6,533,696</b> | <b>12,183</b> | <b>13,711,320</b> |

\* Hatchery operator reported the total return but did not break out the return by user groups.



Table 14(c). Estimated coho salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators.

| Area/Operator/Location      |                           | Common Property Harvest |         |         |         |                          | Cost Recovery |        |         |            |           |
|-----------------------------|---------------------------|-------------------------|---------|---------|---------|--------------------------|---------------|--------|---------|------------|-----------|
|                             |                           | Seine                   | Gillnet | Troll   | Sport   | Personal Use/Subsistence | Other         | Brood  | Harvest | Escapement | Total     |
| Southeast                   |                           |                         |         |         |         |                          |               |        |         |            |           |
| SSRAA                       | Whitman Lake              | 2,160                   | 6,600   | 11,070  | 2,160   |                          | 2,838         | 2,864  |         |            | 27,692    |
|                             | Anita Bay                 | 300                     | 9,400   | 9,100   | 1,300   |                          |               |        |         |            | 20,100    |
|                             | Nakat                     | 1,350                   | 12,200  | 8,600   | 1,150   |                          |               |        |         |            | 23,300    |
|                             | Neets Bay                 | 24,100                  | 84,900  | 104,120 | 20,100  |                          | 6,900         | 160    | 56,900  |            | 297,180   |
|                             | Burnett Inlet             | 4,600                   | 3,300   | 1,600   | 1,100   |                          | 3,300         | 2,400  | 14,400  |            | 30,700    |
|                             | Neck Lake                 | 10,900                  | 27,000  | 6,900   | 6,700   |                          |               |        | 50,400  | 3,500      | 105,400   |
|                             | Crystal Lake Hatchery     | 400                     | 1,400   | 1,100   | 4,000   |                          | 1,280         | 135    |         |            | 8,315     |
| NSRAA                       | Medvejie                  | 145                     | 2       | 489     | 235     |                          | 244           | 234    |         |            | 1,349     |
|                             | Deer Lake                 | 1,439                   |         | 13,896  | 1,767   |                          | 1,541         |        | 34,075  |            | 52,718    |
|                             | Shamrock Cove             | 22                      |         | 5,432   | 1,488   |                          | 400           |        |         |            | 7,342     |
|                             | Hidden Falls              | 8,644                   | 195     | 38,828  | 3,190   |                          | 6,776         | 2,844  | 140,908 | 4,000      | 205,385   |
|                             | Patterson Bay             | 71                      |         | 295     | 37      |                          |               |        |         | 400        | 803       |
| AKI                         | Port Armstrong            | 2,330                   |         | 19,890  | 951     |                          | 15,420        | 2,494  | 25,270  |            | 66,355    |
| KNFC                        | Gunnuk Creek              | 9                       | 191     | 93      | 11      |                          |               | 304    |         |            | 608       |
| DIPAC                       | Macaulay (was Gastineau)  | 2,887                   | 3,608   | 11,188  | 14,869  |                          | 2,556         | 591    | 48,914  |            | 84,613    |
|                             | Sheep Creek               |                         |         |         |         |                          |               |        |         |            | 0         |
| KTHC                        | Deer Mountain             | 962                     | 652     | 415     | 909     |                          | 519           | 124    | 310     | 1,000      | 4,891     |
| SJC                         | Sitka                     |                         |         | 1,959   |         |                          | 3             |        |         |            | 1,962     |
| BCF                         | Burro Creek               |                         |         |         |         |                          |               |        |         |            | 0         |
| POWHA                       | Klawock Hatchery          | 11,365                  | 44      | 28,037  | 6,407   | 500                      | 4,919         | 1,859  | 17,543  | 5,997      | 76,671    |
| MIC                         | Tamgas Creek*             |                         |         |         |         |                          |               |        |         |            | 80,000    |
| NMFS                        | Auke Creek                |                         |         |         |         |                          |               |        |         |            | 0         |
| Southeast Totals            |                           | 71,684                  | 149,492 | 263,012 | 66,374  | 500                      | 46,696        | 14,009 | 388,720 | 14,897     | 1,095,384 |
| Prince William Sound        |                           |                         |         |         |         |                          |               |        |         |            |           |
| PWSAC                       | Wally Noerenberg          | 724                     | 8,900   |         | 1,000   |                          |               | 1,314  |         |            | 11,938    |
|                             | Cordova/Whittier/Chenega  |                         |         |         | 12,067  |                          |               |        |         |            | 12,067    |
| VFDA                        | Solomon Gulch             | 63,132                  |         |         | 118,800 |                          | 15,425        | 1,749  | 4,087   | 205        | 203,398   |
| Prince William Sound Totals |                           | 63,856                  | 8,900   | 0       | 131,867 | 0                        | 15,425        | 3,063  | 4,087   | 205        | 227,403   |
| Cook Inlet                  |                           |                         |         |         |         |                          |               |        |         |            |           |
| CIAA                        | Trail Lakes               |                         |         |         | 14,637  |                          | 25            | 879    | 2,228   | 395        | 18,164    |
| ADF&G                       | Ship Creek Complex        |                         | 3,981   |         | 14,766  |                          |               | 216    |         | 220        | 19,183    |
|                             | Homer Spit                |                         |         |         | 6,377   |                          |               |        |         |            | 6,377     |
|                             | Resurrection Bay          |                         |         |         | 24,379  |                          |               | 355    |         |            | 24,734    |
|                             | Campbell Creek            |                         | 1,251   |         | 1,010   |                          |               | 79     |         | 3,082      | 5,422     |
|                             | Eklutna tailrace          |                         | 1,800   |         | 4,267   |                          |               | 134    |         |            | 6,201     |
| Cook Inlet Totals           |                           | 0                       | 7,032   | 0       | 65,436  | 0                        | 25            | 1,663  | 2,228   | 3,697      | 80,081    |
| Kodiak                      |                           |                         |         |         |         |                          |               |        |         |            |           |
| KRAA                        | Kitoi Bay                 | 135,049                 |         |         | 60      | 9,340                    | 9,000         | 4,395  |         |            | 157,844   |
|                             | Pillar Creek- road system |                         |         |         | 1,430   | 1,000                    |               |        |         |            | 2,430     |
| Kodiak Totals               |                           | 135,049                 | 0       | 0       | 1,490   | 10,340                   | 9,000         | 4,395  | 0       | 0          | 160,274   |
| Statewide Totals            |                           | 270,589                 | 165,424 | 263,012 | 265,167 | 10,840                   | 71,146        | 23,130 | 395,035 | 18,799     | 1,563,142 |

\* Hatchery operator reported the total return but did not break out the return by user groups.

Table 14(d). Estimated chinook salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators.

| Common Property Harvest     |                          |       |         |        |        |                          |        | Cost Recovery |         |            |         |
|-----------------------------|--------------------------|-------|---------|--------|--------|--------------------------|--------|---------------|---------|------------|---------|
| Area/Operator/Location      |                          | Seine | Gillnet | Troll  | Sport  | Personal Use/Subsistence | Other  | Brood         | Harvest | Escapement | Total   |
| Southeast                   |                          |       |         |        |        |                          |        |               |         |            |         |
| SSRAA                       | Whitman Lake             | 120   | 140     | 5,700  | 2,180  |                          | 7,426  | 999           |         | 2,500      | 19,065  |
|                             | Earl West Cove           | 390   | 6,260   | 670    | 240    |                          |        |               |         |            | 7,560   |
|                             | Neets Bay                | 380   | 280     | 3,240  | 1,870  |                          | 350    |               | 6,350   |            | 12,470  |
| ADF&G                       | Crystal Lake Hatchery    | 60    | 530     | 520    | 4,590  |                          | 534    |               |         |            | 6,234   |
| NSRAA                       | Medvejie                 | 966   | 922     | 9,387  | 3,140  |                          | 2,845  | 1,609         | 30,045  |            | 48,914  |
|                             | Hidden Falls             | 4,648 | 15      | 6,313  | 640    |                          | 4,475  | 837           | 12,066  |            | 28,994  |
| BCF                         | Burro Creek              |       |         |        |        |                          |        |               |         |            | 0       |
| DIPAC                       | Macaulay (was Gastineau) | 15    | 522     | 543    | 5,415  |                          | 1,295  | 1,024         | 177     | 198        | 9,189   |
| KTHC                        | Deer Mountain Hatchery   | 569   | 42      | 263    |        |                          | 76     | 78            |         | 215        | 1,243   |
| SJC                         | Sitka                    |       |         | 59     |        |                          |        |               |         | 73         | 132     |
| MIC                         | Tamgas Creek*            |       |         |        |        |                          |        |               |         |            | 9,029   |
| NOAA                        | Little Port Walter       | 37    | 9       | 697    | 54     |                          | 1,384  | 302           |         |            | 2,483   |
| Southeast Totals            |                          | 7,185 | 8,720   | 27,392 | 18,129 | 0                        | 18,385 | 4,849         | 48,638  | 2,986      | 145,313 |
| Prince William Sound        |                          |       |         |        |        |                          |        |               |         |            |         |
| ADF&G                       | Ship Creek Complex       |       |         |        | 1,059  |                          |        |               |         |            | 1,059   |
| Prince William Sound Totals |                          | 0     | 0       | 0      | 1,059  | 0                        | 0      | 0             | 0       | 0          | 1,059   |
| Cook Inlet                  |                          |       |         |        |        |                          |        |               |         |            |         |
| ADF&G                       | Ship Creek Complex       |       |         |        |        |                          |        |               |         |            |         |
|                             | Seldovia                 |       | 107     |        | 301    | 67                       |        |               |         |            | 475     |
|                             | Resurrection Bay         |       |         |        | 2,845  |                          |        |               |         |            | 2,845   |
|                             | Homer Spit               |       |         |        | 1,709  | 12                       |        |               |         |            | 1,721   |
|                             | Ship Creek               |       |         |        | 3,681  |                          |        | 232           |         | 1,789      | 5,702   |
|                             | Halibut Cove             |       | 665     |        | 519    |                          |        |               |         |            | 1,184   |
|                             | Crooked Creek            |       |         |        | 2,409  | 164                      |        | 185           |         | 1,952      | 4,710   |
|                             | Ninilchik River          |       |         |        | 736    |                          |        | 290           |         | 336        | 1,362   |
|                             | Eklutna tailrace         |       |         |        | 400    |                          |        |               |         |            | 400     |
|                             | Deception Creek          |       | 40      |        | 1,687  |                          |        | 194           |         | 3,731      | 5,652   |
| Cook Inlet Totals           |                          | 0     | 812     | 0      | 14,287 | 243                      | 0      | 901           | 0       | 7,808      | 24,051  |
| Statewide Totals            |                          | 7,185 | 9,532   | 27,392 | 33,475 | 243                      | 18,385 | 5,750         | 48,638  | 10,794     | 170,423 |

\* Hatchery operator reported the total return but did not break out the return by user groups.

Table 14(e). Estimated sockeye salmon returns to Alaska hatcheries in 2003, including common property harvests, as reported by operators.

| Common Property Harvest     |                          |         |           |       |        | Cost Recovery            |         |        |         |            |           |
|-----------------------------|--------------------------|---------|-----------|-------|--------|--------------------------|---------|--------|---------|------------|-----------|
| Area/Operator/Location      |                          | Seine   | Gillnet   | Troll | Sport  | Personal Use/Subsistence | Other   | Brood  | Harvest | Escapement | Total     |
| Southeast                   |                          |         |           |       |        |                          |         |        |         |            |           |
| SSRAA                       | Hugh Smith L             | 300     | 200       |       |        |                          |         |        |         | 19,568     | 20,068    |
|                             | McDonald Lake            | 200     | 400       |       |        |                          |         | 406    |         | 89,243     | 90,249    |
|                             | Burnnett Inlet           | 200     | 400       |       |        |                          | 200     | 200    |         |            | 1,000     |
| POWHA                       | Klawock Hatchery         |         |           |       |        | 2,500                    | 252     | 1,060  |         | 6,262      | 10,074    |
| DIPAC                       | Snettisham               | 8,002   | 66,953    |       |        | 385                      | 32,168  | 4,439  | 113,052 |            | 224,999   |
|                             | Sweetheart Lake          | 894     | 4,329     |       |        | 2,000                    |         |        |         |            | 7,223     |
|                             | Stikine River            |         | 17,733    |       |        |                          | 37,716  | 1,726  |         | 21,694     | 78,869    |
|                             | Taku River               |         | 794       |       |        | 6                        | 265     |        |         | 1,425      | 2,490     |
| NSRAA                       | Haines projects          |         | 1,922     |       |        |                          | 1,853   | 26     |         | 1,852      | 5,653     |
| MIC                         | Tamgas Creek*            |         |           |       |        |                          |         |        |         |            | 200       |
| Southeast Totals            |                          | 9,596   | 92,731    | 0     | 0      | 4,891                    | 72,454  | 7,857  | 113,052 | 140,044    | 440,825   |
| Prince William Sound        |                          |         |           |       |        |                          |         |        |         |            |           |
| PWSAC                       | Main Bay                 | 118,993 | 928,140   |       | 4,000  |                          |         | 6,878  | 366,768 |            | 1,424,779 |
|                             | Gulkana I and II         |         | 60,960    |       |        | 42,647                   | 1,116   | 8,314  |         | 817        | 113,854   |
|                             | Crosswind Lake           |         | 91,721    |       |        | 48,525                   | 27,251  | 6,119  |         |            | 173,616   |
|                             | Summit Lake              |         | 5,010     |       |        | 23,432                   |         |        |         | 1,407      | 29,849    |
| Prince William Sound Totals |                          | 118,993 | 1,085,831 | 0     | 4,000  | 114,604                  | 28,367  | 21,311 | 366,768 | 2,224      | 1,742,098 |
| Cook Inlet                  |                          |         |           |       |        |                          |         |        |         |            |           |
| PGHC                        | Port Graham              |         | 24,665    |       |        |                          | 378     | 200    | 46,988  | 20,095     | 92,326    |
| CIAA                        | Trail Lakes – Bear Creek | 7,341   |           |       |        |                          |         | 3,735  | 2,754   | 9,498      | 23,328    |
|                             | Hidden Lake              |         | 21,066    |       | 2,898  | 2,468                    |         | 742    | 349     | 10,992     | 38,515    |
|                             | Meadow Creek             |         | 55,284    |       | 250    | 250                      | 346     | 5,383  |         | 86,569     | 148,082   |
|                             | Leisure/Hazel Lakes      |         | 391,771   |       | 650    | 4,900                    | 121     |        | 35,556  |            | 432,998   |
|                             | Tustumena Lake           |         | 568,850   |       | 6,600  | 63,000                   |         | 10,251 |         | 347,782    | 996,483   |
|                             | Kirschner Lake           |         | 11,607    |       |        |                          |         |        | 38,741  |            | 50,348    |
| Cook Inlet Totals           |                          | 7,341   | 1,073,243 | 0     | 10,398 | 70,618                   | 845     | 20,311 | 124,388 | 474,936    | 1,782,080 |
| Kodiak                      |                          |         |           |       |        |                          |         |        |         |            |           |
| KRAA                        | Kitoi Bay                | 28,155  |           |       | 65     | 82                       |         |        |         | 1,500      | 29,802    |
|                             | Pillar Creek             |         |           |       |        |                          |         |        |         |            |           |
|                             | Settler's Cove           | 1,532   |           |       |        | 1,000                    |         |        |         |            | 2,532     |
|                             | Afognak Lake             |         |           |       |        |                          |         | 316    |         | 27,450     | 27,766    |
|                             | Malina Lake              | 17,300  |           |       |        | 1,000                    |         |        |         | 12,000     | 30,300    |
|                             | Perenosa/Paul's Lakes    | 9,700   |           |       |        |                          |         |        |         | 23,594     | 33,294    |
|                             | Spiridon Lake            | 455,086 | 183,597   |       |        |                          |         |        |         |            | 638,683   |
|                             | Ruth Lake                | 1,876   |           |       |        |                          |         |        |         |            | 1,876     |
|                             | Foul Bay                 | 51,182  |           |       |        |                          |         |        |         |            | 51,182    |
|                             | Waterfall Bay            | 50,954  |           |       |        |                          |         |        |         |            | 50,954    |
|                             | Frazer Lake Fishpass     |         |           |       |        |                          |         |        |         |            | 0         |
| Kodiak Totals               |                          | 615,785 | 183,597   | 0     | 65     | 2,082                    | 0       | 316    | 0       | 64,544     | 866,389   |
| Statewide Totals            |                          | 751,715 | 2,435,402 | 0     | 14,463 | 192,195                  | 101,666 | 49,795 | 604,208 | 681,748    | 4,831,392 |

\* Hatchery operator reported the total return but did not break out the return by user groups.

Table 14(f). Estimated "other" enhanced fish returns to Alaska hatcheries in 2003.

| Area/Operator/Location   |                             |  | Species           | Commercial | Sport Catch    | Personal Use/Subsistence | Other    | Brood        | Cost Recovery Harvest | Escapement | Total          |
|--------------------------|-----------------------------|--|-------------------|------------|----------------|--------------------------|----------|--------------|-----------------------|------------|----------------|
| <b>Southeast</b>         |                             |  |                   |            |                |                          |          |              |                       |            |                |
| DMTH                     | Deer Mountain               |  | Steelhead         |            |                |                          |          | 6            |                       | 54         | 60             |
| NMFS                     | Little Port Walter          |  | Steelhead         | 40         | 40             |                          |          |              |                       |            | 80             |
| <b>Southeast Totals</b>  |                             |  |                   | <b>0</b>   | <b>0</b>       | <b>0</b>                 | <b>0</b> | <b>6</b>     | <b>0</b>              | <b>54</b>  | <b>140</b>     |
| <b>Cook Inlet</b>        |                             |  |                   |            |                |                          |          |              |                       |            |                |
| ADF&G                    | Ship Creek Hatchery Complex |  | Arctic char       |            | 5,998          |                          |          | 310          |                       |            | 6,308          |
|                          |                             |  | Arctic grayling   |            | 3,596          |                          |          | 85           |                       |            | 3,681          |
|                          |                             |  | Lake trout        |            | 857            |                          |          |              |                       |            | 857            |
|                          |                             |  | Landlocked salmon |            | 32,495         |                          |          |              |                       |            | 32,495         |
|                          |                             |  | Rainbow trout     |            | 89,966         |                          |          | 2,223        |                       |            | 92,189         |
| <b>Cook Inlet Totals</b> |                             |  |                   | <b>0</b>   | <b>132,912</b> | <b>0</b>                 | <b>0</b> | <b>2,618</b> | <b>0</b>              | <b>0</b>   | <b>135,530</b> |
| <b>Statewide Totals</b>  |                             |  |                   | <b>0</b>   | <b>132,912</b> | <b>0</b>                 | <b>0</b> | <b>2,624</b> | <b>0</b>              | <b>54</b>  | <b>135,670</b> |



Table 15. Summary of salmon production in 2003 from Fish Resource Permits issued by the Alaska Department of Fish and Game.

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

| Area/Permittee                               | Species | Maximum Number to be Released |
|--|---------|-------------------------------|
| Polaris K-12 School (Anchorage)              | COHO    | 500                           |
| Rabbit Creek Elementary (Anchorage)          | COHO    | 500                           |
| Redoubt Elementary (Soldotna)                | COHO    | 500                           |
| Russian Jack Elementary (Anchorage)          | COHO    | 500                           |
| Rogers Park Elementary (Anchorage)           | COHO    | 500                           |
| SAVE High School (Anchorage)                 | COHO    | 500                           |
| Scenic Park Elementary (Anchorage)           | COHO    | 500                           |
| Sears Elementary (Kenai)                     | COHO    | 500                           |
| Sherrod Elementary (Palmer)                  | COHO    | 500                           |
| Service High School                          | COHO    | 500                           |
| Sterling Elementary                          | COHO    | 500                           |
| Susitna Elementary (Anchorage)               | COHO    | 500                           |
| Swanson Elementary (Palmer)                  | COHO    | 500                           |
| Taku Elementary (Anchorage)                  | COHO    | 500                           |
| Tannaina Elementary (Wasilla)                | COHO    | 500                           |
| Teeland Middle School                        | COHO    | 500                           |
| Trailside Elementary School (Eagle River)    | COHO    | 500                           |
| Tudor Elementary (Anchorage)                 | COHO    | 500                           |
| Turnagain Elementary (Anchorage)             | COHO    | 500                           |
| Tustumena Elementary (Kasilof)               | COHO    | 500                           |
| UAK Cooperative Extension Service (Palmer)   | COHO    | 500                           |
| Village Charter School                       | COHO    | 500                           |
| Ursa Minor Elementary                        | COHO    | 500                           |
| Talkeetna Elementary                         | COHO    | 500                           |
| Williwaw Elementary                          | COHO    | 500                           |
| Wasilla Middle School                        | COHO    | 500                           |
| Whaley Elementary                            | COHO    | 500                           |
| Willow Crest Elementary (Anchorage)          | COHO    | 500                           |
| <b>Interior</b>                              |         |                               |
| Anderson School                              | COHO    | 500                           |
| Arctic Light Elementary (Ft. Wainwright)     | COHO    | 500                           |
| ADFG Region III Lobby                        | COHO    | 500                           |
| Delta Junction High School                   | COHO    | 500                           |
| Joy Elementary (Fairbanks)                   | COHO    | 500                           |
| Monroe Catholic Jr. High (Fairbanks)         | COHO    | 500                           |
| North Pole Middle School                     | COHO    | 500                           |
| Chinook Charter School                       | COHO    | 500                           |
| Nordale Elementary (Fairbanks)               | COHO    | 500                           |
| Pearl Creek Elementary (Fairbanks)           | COHO    | 500                           |
| Ryan Middle School (Fairbanks)               | COHO    | 500                           |
| Tok School                                   | COHO    | 500                           |
| Tri-Valley School (Healy)                    | COHO    | 500                           |
| University Park Elementary (Fairbanks)       | COHO    | 500                           |
| Weller Elementary (Fairbanks)                | COHO    | 500                           |
| Whitestone Training Center (Delta Junction)  | COHO    | 500                           |
| Woodriver Elementary (Fairbanks)             | COHO    | 500                           |
| <b>Western</b>                               |         |                               |
| Chiniak School                               | COHO    | 500                           |
| East Elementary School (Kodiak)              | COHO    | 500                           |
| Perryville School                            | COHO    | 800                           |
| Peterson Elementary School (Kodiak)          | COHO    | 500                           |
| Kodiak High School                           | COHO    | 500                           |
| King Cove School                             | COHO    | 500                           |
| Main Elementary (Kodiak)                     | COHO    | 500                           |
| North Star Elementary (Kodiak)               | COHO    | 500                           |
| Togiak School                                | COHO    | 500                           |
| Unalaska High School                         | COHO    | 9,000                         |
| Port Heiden School                           | COHO    | 500                           |
| Old Harbor School                            | COHO    | 500                           |
| Kokhanok School                              | COHO    | 500                           |
| Newhalen School                              | COHO    | 500                           |
| St. Mary's School                            | COHO    | 500                           |
| <b>Arctic-Yukon-Kuskokwim</b>                |         |                               |
| Crow Village Sam School (Chuathbaluk)        | COHO    | 500                           |
| Circle School                                | COHO    | 250                           |
| Hooper Bay School                            | COHO    | 500                           |
| Norton Sound Economic Development Corp.      | CHUM    | 10,000                        |
| Johnny Oldman School (Hughes)                | COHO    | 500                           |
| Kotzebue Jr./Sr. High School                 | COHO    | 500                           |
| Ketacik Aappalluk Memorial School (Kwethluk) | COHO    | 500                           |
| Jimmy Huntington School (Huslia)             | COHO    | 500                           |
| Napaaqtuqmiut School (Noatak)                | COHO    | 500                           |
| Rocky Mountain School (Goodnews Bay)         | COHO    | 500                           |

| Area/Permittee                                | Species | Maximum Number to be Released |
|---|---------|-------------------------------|
| Noorvik Elementary                            | COHO    | 500                           |
| Quinhagak School                              | COHO    | 500                           |
| Zackar Levi Elementary School (Lower Kalstag) | COHO    | 500                           |
| Trapper School (Nuiqsut)                      | COHO    | 500                           |

Table 16. Updated return information, by species, to 2002 Alaska enhancement program projects.

Table 16(a). Updated pink salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

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



Table 16(b). Updated chum salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

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

Table 16(c). Updated coho salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

| Area/Operator/Location             |                           | Common Property Harvest |                |                |                |                          | Cost Recovery  |               |                |               | Total            |
|------------------------------------|---------------------------|-------------------------|----------------|----------------|----------------|--------------------------|----------------|---------------|----------------|---------------|------------------|
|                                    |                           | Seine                   | Gillnet        | Troll          | Sport          | Personal Use/Subsistence | Other          | Brood         | Harvest        | Escapement    |                  |
| <b>Southeast</b>                   |                           |                         |                |                |                |                          |                |               |                |               |                  |
| SSRAA                              | Whitman Lake              | 4,367                   | 2,340          | 6,751          | 753            |                          | 7,467          | 2,078         |                |               | 23,756           |
|                                    | Anita Bay                 | 100                     | 8,100          | 7,900          | 200            |                          |                |               |                |               | 16,300           |
|                                    | Nakat                     | 2,000                   | 4,800          | 5,200          | 700            |                          |                |               |                |               | 12,700           |
|                                    | Neets Bay                 | 40,600                  | 79,300         | 99,900         | 16,900         |                          | 12,328         |               | 119,000        |               | 368,028          |
|                                    | Burnett Inlet             | 1,697                   | 5,476          | 1,244          | 201            |                          | 4,000          | 2,115         | 11,266         |               | 25,999           |
|                                    | Neck Lake                 | 1,887                   | 16,027         | 5,023          | 405            |                          | 3,000          |               | 32,748         |               | 59,090           |
|                                    | Crystal Lake Hatchery     | 200                     | 100            | 600            | 200            |                          | 2,833          | 262           |                |               | 4,195            |
| NSRAA                              | Medvejie                  |                         | 9              | 268            | 115            |                          | 294            | 328           |                |               | 1,014            |
|                                    | Deer Lake                 | 3,417                   |                | 26,272         | 2,253          |                          | 562            |               | 75,440         |               | 107,944          |
|                                    | Shamrock Cove             | 40                      |                | 5,083          | 478            |                          |                |               |                | 375           | 5,976            |
|                                    | Hidden Falls              | 33,883                  | 1,181          | 71,991         | 3,470          |                          | 17,673         | 3,296         | 285,824        |               | 417,318          |
|                                    | Patterson Bay             | 527                     |                | 6,154          | 135            |                          | 5,052          |               | 5,148          |               | 17,016           |
| AKI                                | Port Armstrong            | 3,178                   | 34             | 58,219         | 1,815          |                          | 25,700         | 1,451         | 136,712        |               | 227,109          |
|                                    | Gunnuk Creek              | 12                      | 56             | 176            | 8              |                          |                |               |                | 252           | 504              |
| DIPAC                              | Macaulay (was Gastineau)  | 3,854                   | 3,592          | 13,917         | 16,444         |                          | 2,932          | 846           | 66,100         |               | 107,685          |
|                                    | Sheep Creek               |                         |                |                |                |                          |                |               |                |               | 0                |
| KTHC                               | Deer Mountain             | 1,743                   | 763            | 512            | 1,282          |                          | 2,355          | 312           |                |               | 6,967            |
| SJC                                | Sitka                     |                         |                | 550            |                |                          | 1              | 76            |                |               | 627              |
| BCF                                | Burro Creek               |                         |                |                |                |                          |                |               |                |               | 0                |
| POWHA                              | Klawock Hatchery          | 11,203                  | 46             | 27,692         | 24,519         |                          | 3,762          | 1,001         | 23,772         | 13,601        | 105,596          |
| MIC                                | Tamgas Creek              | 7,938                   | 49,000         | 15,230         | 1,500          |                          |                | 2,000         | 53,030         |               | 128,698          |
| NMFS                               | Auke Creek                |                         |                |                |                |                          |                |               |                |               | 0                |
| <b>Southeast Totals</b>            |                           | <b>116,646</b>          | <b>170,824</b> | <b>352,682</b> | <b>71,378</b>  | <b>0</b>                 | <b>87,959</b>  | <b>13,765</b> | <b>809,040</b> | <b>14,228</b> | <b>1,636,522</b> |
| <b>Prince William Sound</b>        |                           |                         |                |                |                |                          |                |               |                |               |                  |
| PWSAC                              | Wally Noerenberg          | 2,431                   | 784            |                | 500            |                          | 1,000          | 1,389         |                |               | 6,104            |
|                                    | Cordova/Whittier/Chenega  |                         |                |                | 22,198         |                          |                |               |                |               | 22,198           |
| VFDA                               | Solomon Gulch             | 25,017                  |                |                | 44,160         |                          | 19,862         | 1,461         | 8,000          |               | 98,500           |
| <b>Prince William Sound Totals</b> |                           | <b>27,448</b>           | <b>784</b>     | <b>0</b>       | <b>66,858</b>  | <b>0</b>                 | <b>20,862</b>  | <b>2,850</b>  | <b>8,000</b>   | <b>0</b>      | <b>126,802</b>   |
| <b>Cook Inlet</b>                  |                           |                         |                |                |                |                          |                |               |                |               |                  |
| CIAA                               | Trail Lakes               |                         |                |                | 1,753          |                          |                | 864           | 2,352          | 875           | 5,844            |
| ADF&G                              | Elmendorf                 |                         |                |                |                |                          |                |               |                |               |                  |
|                                    | Campbell Creek            |                         | 2,270          |                | 1,144          |                          |                |               |                | 6,013         | 9,427            |
|                                    | Resurrection Bay          |                         |                |                | 24,640         |                          |                | 180           |                |               | 24,820           |
|                                    | Ft Richardson             |                         |                |                |                |                          |                |               |                |               |                  |
|                                    | Homer Spit                |                         |                |                | 14,508         |                          |                |               |                |               | 14,508           |
|                                    | Landlocked                |                         |                |                | 31,471         |                          |                |               |                |               | 31,471           |
|                                    | Ship Creek                |                         | 6,680          |                | 16,781         |                          |                | 378           |                | 3,560         | 27,399           |
|                                    | Eklutna tailrace          |                         | 1,804          |                | 7,073          |                          |                | 94            |                |               | 8,971            |
| <b>Cook Inlet Totals</b>           |                           | <b>0</b>                | <b>10,754</b>  | <b>0</b>       | <b>97,370</b>  | <b>0</b>                 | <b>0</b>       | <b>1,516</b>  | <b>2,352</b>   | <b>10,448</b> | <b>122,440</b>   |
| <b>Kodiak</b>                      |                           |                         |                |                |                |                          |                |               |                |               |                  |
| KRAA                               | Kitoi Bay                 | 209,259                 |                |                | 160            |                          | 8,000          | 4,428         |                | 1,000         | 222,847          |
|                                    | Pillar Creek- road system |                         |                |                | 1,000          |                          |                | 54            |                | 10,595        | 11,649           |
| <b>Kodiak Totals</b>               |                           | <b>209,259</b>          | <b>0</b>       | <b>0</b>       | <b>1,160</b>   | <b>0</b>                 | <b>8,000</b>   | <b>4,482</b>  | <b>0</b>       | <b>11,595</b> | <b>234,496</b>   |
| <b>Statewide Totals</b>            |                           | <b>353,353</b>          | <b>182,362</b> | <b>352,682</b> | <b>236,766</b> | <b>0</b>                 | <b>116,821</b> | <b>22,613</b> | <b>819,392</b> | <b>36,271</b> | <b>2,120,260</b> |

Table 16(d). Updated chinook salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

| Region/Operator/Location    |                             | Common Property Harvest |         |        |        |                          | Cost Recovery |       |         |            |         |
|-----------------------------|-----------------------------|-------------------------|---------|--------|--------|--------------------------|---------------|-------|---------|------------|---------|
|                             |                             | Seine                   | Gillnet | Troll  | Sport  | Personal Use/Subsistence | Other         | Brood | Harvest | Escapement | Total   |
| Southeast                   |                             |                         |         |        |        |                          |               |       |         |            |         |
| SSRAA                       | Whitman Lake                | 120                     | 440     | 4,490  | 2,890  | 125                      | 8,863         | 1,120 | 4,589   | 375        | 22,637  |
|                             | Earl West Cove Coop         | 1,420                   | 4,040   | 270    | 10     |                          |               |       |         |            | 5,740   |
|                             | Neets Bay/Crystal Lake Coop | 620                     | 350     | 1,750  | 980    |                          | 543           |       | 6,940   |            | 11,183  |
| ADF&G                       | Crystal Lake Hatchery       |                         | 79      | 734    | 1,971  |                          | 930           | 2,076 |         |            | 5,790   |
| NSRAA                       | Medvejie Creek              | 1,193                   | 2,083   | 13,798 | 1,878  |                          | 4,812         | 1,700 | 16,249  |            | 42,088  |
|                             | Hidden Falls                | 8,440                   | 228     | 6,590  | 560    |                          | 3,082         | 1,065 | 3,767   | 23,732     |         |
| BCF                         | Burro Creek                 |                         |         | 4      | 10     |                          | 46            |       |         | 60         |         |
| DIPAC                       | Gastineau                   |                         | 365     | 1,014  | 4,598  |                          | 2,732         | 573   | 1,068   | 10,350     |         |
| KTHC                        | Deer Mountain Hatchery      |                         | 6       | 85     | 16     |                          | 323           | 61    |         | 207        | 698     |
| SJC                         | Indian River                |                         |         | 30     | 18     |                          |               | 32    |         | 80         |         |
| MIC                         | Tamgas Creek                | 173                     | 1,000   | 1,706  | 1,973  |                          |               | 250   | 5,500   | 10,602     |         |
| NMFS                        | Little Port Walter          | 146                     | 8       | 402    | 52     |                          | 902           | 320   |         | 1,830      |         |
| Southeast Totals            |                             | 12,112                  | 8,599   | 30,873 | 14,956 | 125                      | 22,233        | 7,197 | 38,113  | 582        | 134,790 |
| Prince William Sound        |                             |                         |         |        |        |                          |               |       |         |            |         |
| ADF&G                       | Elmendorf/Whittier          |                         |         |        | 675    |                          |               |       |         |            | 675     |
|                             | Ft. Richardson              |                         |         |        |        |                          |               |       |         |            |         |
|                             | Fleming Spit                |                         |         |        | 198    |                          |               |       |         |            | 198     |
|                             | Valdez                      |                         |         |        | 256    |                          |               |       |         |            | 256     |
| PWSAC                       | W Noerenberg                |                         |         |        |        |                          |               |       |         |            |         |
|                             | Chenega/Cordova             |                         |         |        | 80     |                          |               |       |         |            | 80      |
| Prince William Sound Totals |                             | 0                       | 0       | 0      | 1,209  | 0                        | 0             | 0     | 0       | 0          | 1,209   |
| Cook Inlet                  |                             |                         |         |        |        |                          |               |       |         |            |         |
| ADF&G                       | Elmendorf                   |                         |         |        |        |                          |               |       |         |            |         |
|                             | Crooked Creek               |                         | 10      |        | 2,852  |                          |               | 234   |         | 1,261      | 4,357   |
|                             | Halibut Cove                |                         | 484     |        | 538    |                          |               |       |         |            | 1,022   |
|                             | Seldovia                    |                         | 214     |        | 297    | 124                      |               |       |         |            | 635     |
|                             | Resurrection Bay            |                         |         |        | 3,380  |                          |               |       |         |            | 3,380   |
|                             | Homer Spit                  |                         |         |        | 2,621  | 12                       |               |       |         |            | 2,633   |
|                             | Ft. Richardson              |                         |         |        |        |                          |               |       |         |            |         |
|                             | Deception Creek             |                         | 40      |        | 1,616  |                          |               | 282   |         | 1,867      | 3,805   |
|                             | Ninilchik River             |                         |         |        | 415    |                          |               | 418   |         | 295        | 1,128   |
|                             | Ship Creek                  |                         | 7       |        | 2,287  |                          |               | 316   |         | 978        | 3,588   |
| Cook Inlet Totals           |                             | 0                       | 755     | 0      | 14,006 | 136                      | 0             | 1,250 | 0       | 4,401      | 20,548  |
| Statewide Totals            |                             | 12,112                  | 9,354   | 30,873 | 30,171 | 261                      | 22,233        | 8,447 | 38,113  | 4,983      | 156,547 |

Table 16(e). Updated sockeye salmon returns to Alaska hatcheries in 2002, including common property harvests, as reported by operators.

| Common Property Harvest     |                          |         |           |       |        |                          |        |        |         |            | Cost Recovery |  |
|-----------------------------|--------------------------|---------|-----------|-------|--------|--------------------------|--------|--------|---------|------------|---------------|--|
| Area/Operator/Location      |                          | Seine   | Gillnet   | Troll | Sport  | Personal Use/Subsistence | Other  | Brood  | Harvest | Escapement | Total         |  |
| Southeast                   |                          |         |           |       |        |                          |        |        |         |            |               |  |
| SSRAA                       | Hugh Smith L             |         | 112       |       |        |                          |        | 286    |         |            | 398           |  |
| POWHA                       | Klawock Hatchery         |         |           |       |        |                          | 272    | 551    |         | 13,255     | 14,078        |  |
| DIPAC                       | Snettisham               | 3,166   | 76,782    | 0     | 0      | 0                        | 408    | 4,801  | 35,878  | 0          | 121,035       |  |
|                             | Sweetheart Lake          | 8       | 1,392     |       |        | 308                      |        |        |         |            | 1,708         |  |
|                             | Stikine River            |         | 4,738     |       |        |                          | 9,605  | 1,298  |         | 5,716      | 21,357        |  |
|                             | Taku River               |         | 660       |       |        | 7                        | 50     |        |         | 302        | 1,019         |  |
| NSRAA                       | Haines projects          |         | 2,848     |       |        |                          | 5,528  |        |         |            | 8,376         |  |
| MIC                         | Tamgas Creek             | 2       | 2         |       |        |                          |        | 78     | 1       |            | 83            |  |
| Southeast Totals            |                          | 3,174   | 86,534    | 0     | 0      | 315                      | 15,863 | 6,936  | 35,878  | 19,273     | 168,054       |  |
| Prince William Sound        |                          |         |           |       |        |                          |        |        |         |            |               |  |
| PWSAC                       | Main Bay                 |         | 845,305   |       | 4,000  |                          |        | 7,352  | 93,794  |            | 950,451       |  |
|                             | Solf Lake                |         | 1,229     |       |        | 2,971                    |        |        |         |            | 4,200         |  |
|                             | Gulkana I and II         |         | 76,868    |       | 1,282  | 35,277                   |        | 12,579 |         | 2,107      | 128,113       |  |
|                             | Crosswind Lake           |         | 143,258   |       | 2,388  | 45,797                   | 43,291 | 4,029  |         |            | 238,763       |  |
|                             | Summit Lake              |         | 3,085     |       | 86     | 5,056                    |        |        |         | 355        | 8,582         |  |
| Prince William Sound Totals |                          | 0       | 1,069,745 | 0     | 7,756  | 89,101                   | 43,291 | 23,960 | 93,794  | 2,462      | 1,330,109     |  |
| Cook Inlet                  |                          |         |           |       |        |                          |        |        |         |            |               |  |
| PGHC                        | Port Graham              |         | 14,497    |       |        | 9,799                    |        | 1,200  | 20,245  | 18,950     | 64,691        |  |
| CIAA                        | Tutka                    | 100     | 300       |       |        |                          | 150    |        |         |            | 550           |  |
|                             | Trail Lakes – Bear Creek |         | 13,447    |       |        |                          | 42     | 4,063  | 2,723   | 8,441      | 28,716        |  |
|                             | Hidden Lake              |         | 140,122   |       | 22,756 | 8,995                    | 39     | 884    | 849     | 71,099     | 244,744       |  |
|                             | Meadow Creek             |         | 45,917    |       | 4,000  | 4,000                    |        | 4,155  |         | 85,172     | 143,244       |  |
|                             | Leisure/Hazel Lakes      |         | 121,579   |       | 650    | 4,900                    | 51     |        | 29,521  |            | 156,701       |  |
|                             | Tustumena Lake           |         | 418,647   |       | 6,500  | 45,000                   |        | 9,442  |         | 215,738    | 695,327       |  |
|                             | Kirschner Lake           |         |           |       |        |                          |        |        | 32,492  |            | 32,492        |  |
| Cook Inlet Totals           |                          | 100     | 754,509   | 0     | 33,906 | 72,694                   | 282    | 19,744 | 85,830  | 399,400    | 1,366,465     |  |
| Kodiak                      |                          |         |           |       |        |                          |        |        |         |            |               |  |
| KRAA                        | Kitoi Bay                | 28,984  |           |       | 200    |                          |        |        |         |            | 29,184        |  |
|                             | Pillar Creek             |         |           |       |        |                          |        |        |         |            |               |  |
|                             | Settler's Cove           | 715     |           |       |        | 2,400                    |        |        |         |            | 3,115         |  |
|                             | Little Kitoi Estuary     | 24,281  |           |       | 89     | 207                      |        |        |         |            | 24,577        |  |
|                             | Afognak Lake             |         |           |       |        |                          |        |        |         | 19,520     | 19,520        |  |
|                             | Malina Lake              | 3,757   |           |       | 300    | 1,345                    |        |        |         | 32,214     | 37,616        |  |
|                             | Perenosa/Paul's Lakes    | 5,905   |           |       | 400    | 423                      |        |        |         | 31,911     | 38,639        |  |
|                             | Spiridon Lake            | 211,100 | 280,500   |       |        |                          | 1,800  |        |         |            | 493,400       |  |
|                             | Ruth Lake                | 4,703   |           |       |        |                          |        |        |         |            | 4,703         |  |
|                             | Foul Bay                 | 45,820  |           |       |        |                          |        |        |         | 80         | 45,900        |  |
|                             | Waterfall Bay            | 15,616  |           |       |        | 10                       | 1,500  |        |         |            | 17,126        |  |
|                             | Frazer Lake Fishpass     |         | 4,200     |       |        |                          |        |        |         | 85,317     | 89,517        |  |
| Kodiak Totals               |                          | 340,881 | 284,700   | 0     | 989    | 4,385                    | 3,300  | 0      | 0       | 169,042    | 803,297       |  |
| Statewide Totals            |                          | 344,155 | 2,195,488 | 0     | 42,651 | 166,495                  | 62,736 | 50,640 | 215,502 | 590,177    | 3,667,925     |  |

Table 16(f). Updated "other" enhanced fish returns to Alaska hatcheries in 2002.

| Region/Operator/Location |                   |                                | Species         | Commercial | Sport Catch | Personal Use/Subsistence | Other | Cost Recovery |         |            | Total   |
|--------------------------|-------------------|--------------------------------|-----------------|------------|-------------|--------------------------|-------|---------------|---------|------------|---------|
|                          |                   |                                |                 |            |             |                          |       | Brood         | Harvest | Escapement |         |
| Southeast                | DMTH              | Deer Mountain                  | Steelhead       |            |             |                          |       |               |         | 5          | 5       |
|                          | NMFS              | Little Port Walter             | Steelhead       |            |             |                          |       | 135           |         |            | 135     |
| Southeast Totals         |                   |                                |                 | 0          | 0           | 0                        | 0     | 135           | 0       | 0          | 135     |
| Cook Inlet               | ADF&G             | Ft. Richardson/Statewide lakes | Arctic char     |            | 4,781       |                          |       | 50            |         |            | 4,831   |
|                          |                   |                                | Arctic grayling |            | 4,522       |                          |       | 99            |         |            | 4,621   |
|                          |                   |                                | Lake trout      |            | 1,199       |                          |       |               |         |            | 1,199   |
|                          |                   | Elmendorf/Statewide lakes      | Rainbow trout   |            | 92,658      |                          |       | 2,050         |         |            | 94,708  |
|                          | Cook Inlet Totals |                                |                 |            | 0           | 103,160                  | 0     | 0             | 2,199   | 0          | 0       |
| Statewide Totals         |                   |                                |                 | 0          | 103,160     | 0                        | 0     | 2,334         | 0       | 0          | 105,494 |



Moving fry at Gulkana Hatchery.



Assembling incubators at AFK Hatchery.

Table 17. Actively operated Alaska hatcheries.

| Initials   | Address | City, State, Zip                  | Office phone                               | Fax phone                        | Hatchery       | Hatchery Manager  | Director   | Email   |  |
|--|---------|-----------------------------------|--|----------------------------------|----------------|---|--|---|--|
| <b><u>Southeast</u></b>  |         |                                   |  |                                  |                |   |  |   |  |
| R  | SSRAA   | 14 Borch Street                   | Ketchikan, AK 99901                        | (907) 225-9605                   | (907) 225-1348 | Whitman Lake<br>Neets Bay<br>Burnett Inlet<br>Crystal Lake*           | Jay Creasy<br>Bill Gass<br>Jim Murphy<br>Loren Thompson                      | John Burke<br>John Burke<br>John Burke<br>John Burke                              | <a href="mailto:ssraa@ssraa.org">ssraa@ssraa.org</a><br><a href="mailto:neetsbay@starband.net">neetsbay@starband.net</a><br><a href="mailto:crystal.lake@starband.net">crystal.lake@starband.net</a> |
| R  | NSRAA   | 1308 Sawmill Creek Rd             | Sitka, AK 99835                            | (907) 772-4772<br>(907) 747-6850 | (907) 747-1470 | Medvejie Creek<br>Hidden Falls*<br>Haines Projects                    | Jim Seeland<br>Lon Garrison<br>Todd Buxton                                   | Pete Esquiro<br>Pete Esquiro<br>Pete Esquiro                                      | <a href="mailto:nsraa@nsraa.org">nsraa@nsraa.org</a><br><a href="mailto:todd_buxton@nsraa.org">todd_buxton@nsraa.org</a>   |
| P  | DIPAC   | 2697 Channel Drive                | Juneau, AK 99801                           | (907) 463-5114                   | (907) 463-3213 | Sheep Creek<br>Macaulay<br>Snettisham*                                | Sam Rabung<br>Sam Rabung<br>Kevin Steck                                      | Eric Prestegard<br>Eric Prestegard<br>Eric Prestegard                             | <a href="mailto:Eric_Prestegard@dipac.net">Eric_Prestegard@dipac.net</a><br><a href="mailto:Rick_Focht@dipac.net">Rick_Focht@dipac.net</a>   |
| P  | POWHA   | PO Box 554                        | Craig, AK 99921                            | (907) 755-2231                   | (907) 755-2440 | Prince of Wales*  | John Bruns   | John Bruns  | <a href="mailto:powha@apt.net">powha@apt.net</a>   |
| P  | SJC     | 801 Lincoln St                    | Sitka, AK 99835                            | (907) 747-5209                   |                | Sheldon Jackson   | Dan Goodness   | Mel Seifert   | <a href="mailto:dgoodness@sj-alaska.edu">dgoodness@sj-alaska.edu</a>   |
| P  | KNFC    | PO Box 523                        | Kake, AK 99830                             | (907) 785-6460                   | (907) 785-6460 | Gunnuk Creek  | Brock Meredith   | Steve Andison   | <a href="mailto:fogwoman@alaska.net">fogwoman@alaska.net</a>   |
| P  | BCF     | P.O. Box 455                      | Skagway, AK 99840                          | (907) 983-2355                   |                | Burro Creek   | Eugene Richards  | Gene Richards   |  |
| P  | AKI     | P.O. Box 21990                    | Juneau, AK 99802                           | (907) 586-3443                   | (907) 586-2236 | Port Armstrong  | Pete Nichols   | Bart Watson   | <a href="mailto:portarmstrong@starband.net">portarmstrong@starband.net</a>   |
| P  | KTHC    | 1158 Salmon Rd                    | Ketchikan, AK 99901                        | (907) 225-6760                   | (907) 225-7601 | Deer Mountain   | Jerry Guthrie  | Jerry Guthrie   | <a href="mailto:jguthrie@kictribe.com">jguthrie@kictribe.com</a>   |
| F  | NMFS    | P.O. Box 21990                    | Juneau, AK 99802                           | (907) 586-3443                   | (907) 586-2236 | Little Port Walter  | Frank Thrower  |   | <a href="mailto:Frank.Thrower@noaa.gov">Frank.Thrower@noaa.gov</a>   |
| F  | MIC     | PO Box 8                          | Metlakatla, AK 99929                       | (907) 886-3150                   | (907) 886-3152 | Tamgas Creek  | Steve Leask  | Steve Leask   | <a href="mailto:stevel@ptalaska.net">stevel@ptalaska.net</a>   |
| <b><u>Prince William Sound</u></b>   |         |                                   |  |                                  |                |   |  |   |  |
| R  | PWSAC   | PO Box 1110                       | Cordova, AK 99574                          | (907) 424-7511                   | (907) 424-7514 | AF Koernig<br>W Noerenberg<br>Main Bay*<br>Gulkana*<br>Cannery Creek* | Geoff Clark<br>Mark Somerville<br>Rob Unger<br>Gary Martinek<br>Paul Santavy | Dave Reggiani<br>Dave Reggiani<br>Dave Reggiani<br>Dave Reggiani<br>Dave Reggiani | <a href="mailto:pwsac@ctcak.net">pwsac@ctcak.net</a>   |
| P  | VFDA    | PO Box 125                        | Valdez, AK 99686                           | (907) 835-4874                   | (907) 835-5951 | Solomon Gulch   | Ken Morgan   | Jason Wells   | <a href="mailto:vfda@cvinternet.net">vfda@cvinternet.net</a>   |
| <b><u>Cook Inlet</u></b>   |         |                                   |  |                                  |                |   |  |   |  |
| R  | CIAA    | 40610 Kalifornsky Beach Rd        | Kenai, AK 99611                            | (907) 283-5761                   | (907) 283-9433 | Trail Lakes*<br>Tutka*  | Robert Blankenship<br>Aaron VanArnum   | Gary Fandrei<br>Gary Fandrei  | <a href="mailto:rblankenship_tlh@ciaanet.org">rblankenship_tlh@ciaanet.org</a>   |
| P  | PGH     | PO Box 5543                       | Port Graham, AK 99603                      | (907) 284-2233                   | (907) 284-2238 | Port Graham   | Greg McMullen  | Paul McCollum   | <a href="mailto:pghatchery@starband.net">pghatchery@starband.net</a>   |
| S  | ADFG    | 941 N. Reeve Blvd.<br>PO Box 5267 | Anchorage, AK 99501<br>Anchorage, AK 99505 | (907) 274-0065<br>(907) 428-1348 |                | Elmendorf<br>Ft Richardson  | Darrell Keifer<br>Andrea Tesch   | Larry Peltz<br>Larry Peltz  | <a href="mailto:darrell_keifer@fishgame.state.ak.us">darrell_keifer@fishgame.state.ak.us</a><br><a href="mailto:andrea_tesch@fishgame.state.ak.us">andrea_tesch@fishgame.state.ak.us</a>             |
| <b><u>Kodiak</u></b>   |         |                                   |  |                                  |                |   |  |   |  |
| R  | KRAA    | PO Box 3407                       | Kodiak, AK 99615                           | (907) 486-6555                   | (907) 486-4105 | Pillar Creek*<br>Kitoi Bay*   | Gary Bryne<br>Andrew Aro   | Larry Malloy<br>Larry Malloy  | <a href="mailto:pch@gci.net">pch@gci.net</a><br><a href="mailto:kitoi@ptialaska.net">kitoi@ptialaska.net</a>   |
| Codes: R = Regional Aquaculture Association Private NonProfit (PNP) hatcheries, P= Nonassociation PNP hatchery, F= Federal/BIA hatchery, S=State hatchery<br>* = state owned hatchery contracted to private operator |         |                                   |  |                                  |                |   |  |   |  |

Table 17. Continued.

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



Table 18. Permitted capacity of Alaskan private nonprofit hatcheries in 2003, in millions of eggs.

| Region/Operator/Location                       |                           | Pink            | Chum          | Combined<br>Pink & Chum | Coho         | Chinook      | Sockeye       | Other       | Total           |
|--|---------------------------|-----------------|---------------|-------------------------|--------------|--------------|---------------|-------------|-----------------|
| <b>Southeast</b>                               |                           |                 |               |                         |              |              |               |             |                 |
| SSRAA  | Whitman Lake              |                 | 44.30         |                         | 3.40         | 1.50         |               |             | 49.20           |
|  | Neets Bay                 |                 | 84.00         |                         | 5.00         | 4.00         |               |             | 93.00           |
|  | Burnett Inlet             |                 |               |                         | 2.50         |              | 2.70          |             | 5.20            |
|  | Crystal Lake <sup>a</sup> |                 |               |                         |              |              |               |             | 0.00            |
| AAC  | Bell Island               |                 |               |                         | 0.02         | 0.07         |               | 0.01        | 0.09            |
| NSRAA  | Hidden Falls              |                 | 101.00        |                         | 7.10         | 1.65         |               |             | 109.75          |
|  | Medveje Creek             | 0.30            | 52.00         |                         | 3.30         | 5.20         |               |             | 60.80           |
|  | Haines projects           |                 | 2.60          |                         |              |              | 2.00          |             | 4.60            |
| AKI  | Port Armstrong            | 85.00           | 30.00         |                         | 2.00         | 2.00         |               |             | 119.00          |
| BCF  | Burro Creek               |                 |               | 3.00                    | 0.10         | 0.10         |               |             | 3.20            |
| DIPAC  | Macaulay                  | 50.00           | 121.00        |                         | 1.50         | 0.95         |               |             | 173.45          |
|  | Sheep Creek               | 10.00           |               |                         | 0.15         |              |               |             | 10.15           |
|  | Snettisham                |                 |               |                         |              |              | 33.50         |             | 33.50           |
| KTHC   | Deer Mountain             |                 |               |                         | 0.38         | 0.13         |               | 0.05        | 0.56            |
| KNFC   | Gunnuk Creek              |                 |               | 65.00                   | 0.25         |              |               |             | 65.25           |
| POWH<br>A                                      | Klawock                   |                 |               |                         | 5.00         | 0.25         | 5.00          | 0.05        | 10.30           |
| SJC  | Sheldon Jackson           |                 |               | 20.00                   | 0.15         | 0.10         |               | 0.02        | 20.27           |
| <b>Southeast Totals<sup>b</sup></b>            |                           | <b>145.30</b>   | <b>434.90</b> | <b>88.00</b>            | <b>30.85</b> | <b>15.95</b> | <b>43.20</b>  | <b>0.13</b> | <b>758.32</b>   |
| <b>Prince William Sound</b>                    |                           |                 |               |                         |              |              |               |             |                 |
| PWSA<br>C                                      | Armin F. Koernig          | 190.00          |               |                         |              |              |               |             | 190.00          |
|  | Wally Noerenberg          | 120.00          | 148.00        |                         | 4.00         | 4.00         |               |             | 276.00          |
|  | Cannery Creek             | 152.00          |               |                         |              |              |               |             | 152.00          |
|  | Main Bay                  |                 |               |                         |              |              | 10.20         |             | 10.20           |
|  | Gulkana                   |                 |               |                         |              |              | 36.75         |             | 36.75           |
| VFDA   | Solomon Gulch             | 230.00          |               |                         | 2.00         | 0.30         |               |             | 232.30          |
| <b>Prince William Sound Totals<sup>b</sup></b> |                           | <b>692.00</b>   | <b>148.00</b> | <b>0.00</b>             | <b>6.00</b>  | <b>4.30</b>  | <b>46.95</b>  | <b>0.00</b> | <b>897.25</b>   |
| <b>Cook Inlet</b>                              |                           |                 |               |                         |              |              |               |             |                 |
| PGHC   | Port Graham               | 110.00          |               |                         |              |              | 3.15          |             | 113.15          |
| CIAA   | Trail Lakes               |                 |               |                         | 6.00         | 4.00         | 30.00         |             | 40.00           |
|  | Eklutna                   |                 |               |                         | 0.16         |              | 18.00         |             | 18.16           |
|  | Tutka Bay                 | 125.00          |               |                         |              |              | 0.66          |             | 125.66          |
| <b>Cook Inlet Totals<sup>b</sup></b>           |                           | <b>235.00</b>   | <b>0.00</b>   | <b>0.00</b>             | <b>6.16</b>  | <b>4.00</b>  | <b>51.81</b>  | <b>0.00</b> | <b>296.97</b>   |
| <b>Kodiak</b>                                  |                           |                 |               |                         |              |              |               |             |                 |
| KRAA   | Kitoi Bay                 | 215.00          | 25.00         |                         | 2.30         |              | 0.30          |             | 242.60          |
|  | Pillar Creek              |                 |               |                         | 0.50         | 0.30         | 20.00         |             | 20.80           |
| <b>Kodiak Totals<sup>b</sup></b>               |                           | <b>215.00</b>   | <b>25.00</b>  | <b>0.00</b>             | <b>2.80</b>  | <b>0.30</b>  | <b>20.30</b>  | <b>0.00</b> | <b>263.40</b>   |
| <b>Statewide Totals<sup>b</sup></b>            |                           | <b>1,287.30</b> | <b>607.90</b> | <b>88.00</b>            | <b>45.81</b> | <b>24.55</b> | <b>162.26</b> | <b>0.13</b> | <b>2,215.94</b> |

<sup>a</sup> Crystal Lake Hatchery is a state-owned facility under partial contract to SSRAA; it does not have a PNP permit.<sup>b</sup> Some figures may not total exactly due to rounding.



The Alaska Department of Fish and Game administers all programs and activities free from discrimination based on race, color, national origin, age, sex, religion, marital status, pregnancy, parenthood, or disability. The department administers all programs and activities in compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, the Age Discrimination Act of 1975, and Title IX of the Education Amendments of 1972.

If you believe you have been discriminated against in any program, activity, or facility, or if you desire further information please write to ADF&G, P.O. Box 25526, Juneau, AK 99802-5526; U.S. Fish and Wildlife Service, 4040 N. Fairfield Drive, Suite 300, Arlington, VA 22203 or O.E.O., U.S. Department of the Interior, Washington DC 20240.

For information on alternative formats for this and other department publications, please contact the department ADA Coordinator at (voice) 907-465-4120, (TDD) 907-465-3646, or (FAX) 907-465-2440.

