

ANNUAL STOCK ASSESSMENT -

CODED WIRE TAG PROGRAM

(ODFW)

2003 Annual Report

Prepared by

Mark A. Lewis
William M. Murray

Oregon Department of Fish and Wildlife

Prepared For

Tracy Yerxa, Technical Representative
U.S. Department of Energy
Org. Environment, Fish & Wildlife
KEWB-4
Bonneville Power Administration
P. O. Box 3621
Portland, OR 97208-3621

Project Number: 1982-013-02
Contract Number: 4345
Contract Number: 52300-372000-03

April 2004

TABLE OF CONTENTS

| | <u>Page</u> |
|---|-------------|
| SUMMARY..... | 1 |
| INTRODUCTION..... | 2 |
| METHODS AND MATERIALS..... | 3 |
| RESULTS..... | 4 |
| DISCUSSION..... | 6 |
| Big Creek Hatchery..... | 12 |
| Klaskanine Hatchery..... | 14 |
| Clatsop Economic Development Commission (CEDC)..... | 14 |
| Gnat Creek Hatchery..... | 15 |
| Eagle Creek National Fish Hatchery..... | 15 |
| Clackamas Hatchery..... | 16 |
| Marion Forks Hatchery..... | 17 |
| South Santiam Hatchery..... | 18 |
| Stayton Rearing Pond..... | 18 |
| Roaring River Hatchery..... | 19 |
| McKenzie Hatchery..... | 19 |
| Leaburg Hatchery..... | 20 |
| Willamette Hatchery..... | 20 |
| Sandy Hatchery..... | 20 |
| Cascade Hatchery..... | 20 |
| Bonneville Hatchery..... | 21 |
| Oxbow Hatchery..... | 22 |
| Round Butte Hatchery..... | 23 |
| Oak Springs Hatchery..... | 23 |
| Wizard Falls Hatchery..... | 24 |
| Fall River Hatchery..... | 24 |
| Umatilla Hatchery..... | 24 |
| Irrigon Hatchery..... | 24 |
| Lookingglass Hatchery..... | 26 |
| Wallowa Hatchery..... | 27 |
| REFERENCES..... | 27 |
| APPENDIX A..... | 28 |

SUMMARY

This annual report is in fulfillment of contract obligations with Bonneville Power Administration which is the funding source for the Oregon Department of Fish and Wildlife project "Annual Stock Assessment - Coded Wire Tag Program (ODFW)". Results for the 2003 contract period: Objective 1 - Over 1 million juvenile salmon were coded-wire by this program (Table 1). This accounted for about 21% of the fish ODFW coded-wire tagged in 2003 for release in the Columbia Basin; Objective 2 - ODFW recovered and processed over 45,000 snouts collected from coded-wire tagged fish (Table 2); Objective 3 - The survival data summarized below includes results for coded-wire groups funded by this program as well as coded-wire groups funded from other sources.

Fall Chinook

There are three types of hatchery fall chinook released by ODFW in the Columbia basin; Tule, Upriver Bright, and Rogue River stocks.

The 10 year average survival of tule stock fall chinook was less than 0.20% for all three programs (Table 3). Ocean recoveries were primarily in West Coast Vancouver Island and Washington coastal fisheries (Table 8). Freshwater recoveries were almost exclusively at hatcheries (Table 9).

The 10 year average survival of up-river bright stock fall chinook ranged from 0.05% for Umatilla Hatchery to 0.22% for Bonneville Hatchery fish released at the hatchery (Table 3). Survival of all three up-river bright hatchery programs has been low during this time period (Table 3). Ocean catch of up-river bright stock fall chinook was mainly in Alaska, North Central British Columbia, and West Coast Vancouver Island fisheries (Table 8). Freshwater recoveries were mainly at hatcheries, with harvest at about ½ or less of the number of recoveries at the hatchery (Table 9). Percent of recoveries above Bonneville Dam was higher for fish released above Bonneville Dam (Table 9).

The 10 year average survival of Rogue River stock fall chinook released at Big Creek and in Youngs Bay was less than 1.0% for both programs (Table 3). These fish were caught primarily in Oregon, and secondarily in California and Washington ocean fisheries (Table 8). However, freshwater recoveries were very different for the two groups. Fish released in Big Creek were recovered mainly at the hatchery (Table 9). Fish released in Youngs Bay were recovered mainly in gillnet fisheries (Table 9).

Spring Chinook

A variety of stocks of spring chinook are released by ODFW hatcheries in the Columbia Basin. However, the programs can be grouped by release area; Lower River terminal areas, Willamette Basin, and Above Bonneville Dam.

Willamette basin spring chinook stocks are released in Youngs Bay and South Fork Klaskanine River to provide terminal fishery opportunities. The 10 year average survival of these two groups was 0.47% and 0.03% respectively (Table 4). Very few of these fish were caught in ocean fisheries, and most of the freshwater recoveries were in lower river gillnet fisheries (Tables 8 & 9).

The 10 year average survival of hatchery spring chinook released in the Willamette basin ranged from 0.38% for McKenzie Hatchery to 0.57% for Willamette Hatchery (Table 4). Percent survival was generally greater than 1.0% in the 1988 brood year, but has been below 1.0% for all brood years at each hatchery since then (Table 4). In the ocean these fish are primarily caught in Alaska fisheries and secondarily caught in North Central British Columbia, West Coast Vancouver Island, and Washington coastal fisheries (Table

8). Freshwater recoveries are predominately at the hatchery and in sport fisheries, with harvest accounting for 30% to 50% of the total freshwater recoveries (Table 9). Freshwater harvest of Marion Forks Hatchery spring chinook is about 53% of the total freshwater recoveries (Table 9), which may be an artifact of the hatchery adult collection methods.

The 10 year average survival of hatchery spring chinook released above Bonneville Dam ranged from 0.08% for fish released in West Fork Hood River to 0.52% for fish released in the Deschutes River (Table 5). Very few of these fish are recovered in ocean fisheries (Table 8). Freshwater recoveries were primarily at hatcheries (Table 9). However, for fish released in the Deschutes River 31% of the total freshwater recoveries were in sport and tribal fisheries (Table 9). Fish released in the Umatilla and Imnaha Rivers had substantial recoveries on spawning ground surveys (Table 9).

Steelhead

The 10 year average survival of hatchery steelhead ranged from 0.26% for winter steelhead released in the East Fork Hood River to 0.50% for summer steelhead released in Spring Creek on the Wallowa River (Table 6). Ocean recoveries of ODFW Columbia Basin hatchery steelhead are rare (Table 8). The 18 ocean recoveries of steelhead tagcodes covered in this reports were in Alaskan (5), British Columbian (12) and Oregon (1) fisheries. Freshwater recoveries were primarily at hatcheries and fish traps, and secondarily in sport and gillnet fisheries above Bonneville Dam (Table 9).

Coho

Releases of coho salmon from ODFW hatcheries in the Columbia basin can be divided into three groups by release location; Above Bonneville Dam, At hatcheries below Bonneville Dam, and Terminal areas in the Columbia Estuary. Average percent survival for the last 10 years ranged from 0.15% to 0.30% for releases above Bonneville Dam, from 0.63% to 1.69% for lower river hatchery releases, and from 0.89% to 2.01% for releases in terminal areas (Table 7).

Ocean recoveries of coho released in all three areas occurred primarily in Oregon and Washington Coastal fisheries, with smaller catches in California and West Coast Vancouver Island fisheries (Table 8). Although ocean recovery patterns are very similar, freshwater recovery patterns are very different for the three release areas. Coho released in estuary terminal areas are predominantly recovered in lower river gillnet and freshwater sport fisheries, with very few hatchery recoveries (Table 9). Most freshwater recoveries of fish released below Bonneville Dam occur at hatcheries. Freshwater harvest of these fish accounts for 15% to 37% of the total freshwater recoveries (Table 9). Percent survival to freshwater harvest of coho released above Bonneville Dam is slightly lower than that of coho released at lower river hatcheries, but the coho released above Bonneville Dam contribute to gillnet fisheries above the dam (Table 9). Coho released above Bonneville Dam also have fewer recoveries at hatcheries and fish traps than coho released at lower river hatcheries. However, this may be at least partly a reflection of differences in sampling locations and techniques rather than differences in survival.

INTRODUCTION

In September 1989 the Oregon Department of Fish and Wildlife received a contract from the Bonneville Power Administration to begin a project of annually coded-wire tagging production groups of anadromous salmonids not currently tagged. Some groups of hatchery production fish were already being tagged by other programs. The Bonneville Power Administration contract

consisted of coded-wire tagging the remaining untagged production groups for the future data base. This project began in 1990 to coded-wire tag groups of juvenile anadromous salmon produced at Oregon hatcheries. During 2002 this contract funded approximately 21% of ODFW's Columbia Basin coded-wire tagging.

Tagging will enable evaluation of survival and contribution rates. As the fish mature and are captured in various fisheries or return to release/recapture facilities, they are sampled to recover coded-wire tags. All recoveries of coded-wire tagged fish are reported to the Pacific States Marine Fisheries Commission (PSMFC). Release and recovery information is stored along with sampling and mark/unmarked release ratios. This information is then used to estimate survival rates and catch contribution rates for each production lot of fish reared and released at each hatchery. This data is used to evaluate effectiveness of each hatchery as well as various rearing and release practices. Evaluation of the various hatchery and natural production projects will be needed to measure the effectiveness of any mitigation program and to help direct future efforts in maintaining or enhancing fish runs in the Columbia Basin. This information is also used by salmon harvest managers in developing scenarios that will allow harvest of excess hatchery fish while protecting threatened and endangered natural stocks.

The vision of the Fish and Wildlife Plan (NPPC 2000) is of a Columbia River ecosystem "...that sustains an abundant, productive, and diverse community of fish and wildlife, mitigating across the basin for adverse effects to fish and wildlife caused by the development and operation of the hydro system and providing the benefits from fish and wildlife valued by the people of the region." The Fish and Wildlife Plan is primarily a habitat-based program that focuses on protecting and rebuilding healthy, naturally producing fish and wildlife populations in the Columbia River basin. Although focused on natural production the Fish and Wildlife Plan acknowledges a role for artificial production of fish "...to replace capacity, bolster productivity, and alleviate harvest pressure on weak, naturally spawning resident and anadromous fish populations." The coded-wire tag program is a critical component of the post-release monitoring of artificial production programs. The coded-wire tag project provides data that can be used to assist in addressing some of the basin wide artificial production strategies identified by the Fish and Wildlife Plan, including: using an experimental, adaptive management design; aggressively evaluate risks and benefits; monitor impacts to wild populations (straying, mixed stock fisheries); and reporting on results in relation to the artificial production programs objectives. The coded-wire tag project also assists in the monitoring of in river and ocean fisheries to "...routinely estimate stock composition and age specific abundance, escapement, catch, and age distribution." (NPPC 2000, Basin wide Strategies D. 5. Harvest Monitoring), and can assist in providing information for subbasin assessments, such as "...mainstem survival rates, ocean and in river harvest rates, effects of interactions with fish from other subbasins, and ocean conditions." (NPPC 2000, Subbasins A. 3. Subbasin Assessment)

METHODS AND MATERIALS

The adipose fin clip + coded-wire tag (Jefferts et.al. 1963) was chose as the method of marking because its use is well established in the region, there is a region wide sampling program for this mark, and there is an established regional data reporting, storing, and access system. In 1989 a committee of agency and tribal scientists recommended the number of fish tagged per group for this project be based on producing a minimum of 30 actual tag recoveries per group. Based on historic levels of survival, harvest, and sampling, the following levels of tagging should meet that goal; tag 25,000 for groups with expected survivals of 0.5% or higher, and tag 50,000 for groups with expected

survivals of 0.5% or lower. Some groups of 30,000 are used for Willamette Basin spring chinook to maintain equal sample size with ongoing ODFW research projects funding other tagging at those hatcheries. These levels generally agree with Reisenbichler and Hartmann (1978) who recommended tagging 25,000 fish per group for estimation of fish contribution. However, the increasing complexity of fisheries management regimes requires much higher levels of tagging (Hankin and Mohr 1990).

Objective 1. Insure all ODFW Columbia Basin hatchery coho and chinook production releases have a representative CWT group included in the release. Specific tasks and methods follow:

- a) Determine groups to tag and number of fish to tag. This is a three step process. First, all production releases are identified, based on program intent (ongoing regular smolt production), number of fish released (50,000 or more), and fish of an acceptable size (at least 2.0 gm/fish). Second, groups with adequate tagging funded by other sources are eliminated from the list. Finally, the number of fish to tag is determined based on the expected survival, generally 25,000 to 50,000 per group.
- b) The identified groups of fish are tagged based on the manufactures recommendations and standard techniques for coded-wire tagging (Jenkinson and Bilton 1981).
- c) Pre-release checks of 500 fish per group (PSC 1995) are made at least 4 weeks after tagging (Blankenship 1981).
- d) All release information is reported to the Pacific States Marine Fisheries Commission and is available on their on-line computer database.

Objective 2. Recover coded-wire tags from snouts of fish tagged under Objective 1. Specific tasks and methods follow:

- a) Snouts collected from marked fish sampled in fisheries, hatcheries, and other recovery areas are frozen and transported to the ODFW Fish Identification head lab in Clackamas, Oregon.
- b) Tags are recovered, read and stored using standard techniques. ODFW tags recovered by other agencies are sent to the Clackams lab for verification.
- c) All recovery information is reported to the Pacific States Marine Fisheries Commission and is available on their on-line computer database.

Objective 3. Prepare annual report. Specific tasks and methods follow:

- a) Compile release and recovery information from all CWT groups released in the Columbia Basin by ODFW.
- b) Calculate total percent survival $[(\text{total estimated recoveries}/\text{number of tagged fish released}) \times 100]$ and percent survival by area $[(\text{total estimated recoveries in each area}/\text{number of tagged fish released}) \times 100]$ for each CWT group. Calculate 10 year averages of the above information by hatchery program (species/stock/release location).
- c) Compile and submit report to BPA by 90 days after end of contract. Report published by BPA.

RESULTS

Objective 1. We completed coded-wire tagging and ad-clipping (Ad+CWT) a total of over 1.0 million juvenile 2002 brood spring chinook, fall chinook, and coho salmon (Table 1). The total represents 25 different tag groups. Operational costs for this tagging totaled about \$126,000 (without administrative overhead), or an average of \$119 per thousand fish tagged, ranging from \$93/1,000 to \$173/1,000.

Table 1. Fish tagged and respective estimated operational costs. (January 1, 2003 to December 31, 2003).

| Obj. | Act. | Period | Location | Brood | Sp. | CWT'd | Grps | \$/K | Tot. \$ |
|------|------|-----------|-----------------|-------|------|-----------|------|-------|-----------|
| 1 | 1 | April, 03 | Big Creek | 02 | CHF | 222,314 | 1 | \$119 | \$26,387 |
| 1 | 2 | April, 03 | Bonneville | 02 | CHF | 113,230 | 2 | \$93 | \$10,526 |
| 1 | 3 | April, 03 | Oxbow | 02 | CHS | 55,072 | 1 | \$119 | \$6,536 |
| 1 | 4 | July, 03 | Willamette | 02 | CHS | 66,450 | 2 | \$126 | \$8,348 |
| 1 | 5 | July, 03 | Willamette | 02 | CHS | 66,939 | 2 | \$126 | \$8,410 |
| 1 | 6 | July, 03 | Willamette | 02 | CHS | 55,792 | 1 | \$126 | \$7,009 |
| 1 | 7 | Aug., 03 | South Santiam | 02 | CHS | 54,830 | 1 | \$130 | \$7,132 |
| 1 | 8 | Aug., 03 | Marion Forks | 02 | CHS | 30,687 | 1 | \$112 | \$3,452 |
| 1 | 9 | Aug., 03 | Leabrg/McKenzie | 02 | CHS | 63,198 | 2 | \$173 | \$10,930 |
| 1 | 10 | June, 03 | S Fk Klaskanine | 02 | CHS | 28,135 | 1 | \$125 | \$3,513 |
| 1 | 11 | May, 03 | Big Creek | 02 | Coho | 54,302 | 2 | \$120 | \$6,502 |
| 1 | 12 | Oct., 03 | Bonneville | 02 | Coho | 27,502 | 1 | \$93 | \$2,551 |
| 1 | 13 | Aug., 03 | Cascade | 02 | Coho | 83,329 | 3 | \$121 | \$10,076 |
| 1 | 14 | Aug., 03 | Oxbow | 02 | Coho | 55,672 | 2 | \$101 | \$5,630 |
| 1 | 15 | Nov., 03 | Sandy | 02 | Coho | 27,379 | 1 | \$107 | \$2,940 |
| 1 | 16 | Nov., 04 | Sandy | 02 | Coho | 55,049 | 2 | \$107 | \$5,911 |
| | | | TOTALS | | | 1,059,880 | 25 | \$119 | \$125,852 |

Objective 2. During 2003 we processed a total of 45,426 tags at the Clackamas laboratory. These consisted of fish from sport, commercial, tribal, hatchery, spawning ground surveys, and miscellaneous other fisheries (Table 2).

Table 2. CWT's processed at Clackamas. (Jan. 2003 to Dec. 2003)

| Fishery | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | 2003 Total |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|------------|
| River Sport | 130 | 76 | 549 | 216 | 309 | 0 | 0 | 64 | 1,005 | 220 | 272 | 16 | 2,857 |
| Hatchery | 3,400 | 195 | 707 | 2,946 | 56 | 2,496 | 0 | 0 | 7,907 | 1,248 | 2,005 | 314 | 21,274 |
| Spawning | 18 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 1,067 | 1,655 | 0 | 2,773 |
| Treaty Gillnet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 406 | 0 | 0 | 0 | 406 |
| Non-Treaty Gillnet | 0 | 3,126 | 359 | 284 | 2,260 | 0 | 0 | 127 | 0 | 1,146 | 0 | 0 | 7,302 |
| Youngs Bay Gillnet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 634 | 221 | 21 | 876 |
| Terminal Gillnet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 143 | 45 | 209 |
| Ocean Sport/Troll | 0 | 0 | 0 | 0 | 0 | 0 | 1,387 | 666 | 0 | 1,926 | 2,251 | 3,442 | 9,672 |
| Estuary Sport | 0 | 0 | 12 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Whiting By-Catch | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| Ceremonial/Subsist | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totals | 3,548 | 3,397 | 1,698 | 3,446 | 2,632 | 2,496 | 1,387 | 857 | 9,318 | 6,262 | 6,547 | 3,838 | 45,426 |
| Verifications | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Objective 3. A summary of available coded-wire tag release and recovery information for each group of Ad+CWT tagged fish released from Oregon Department of Fish and Wildlife hatcheries in the Columbia Basin is presented in Appendix A. This includes Ad+CWT tagged fish funded by this contract as well as Ad+CWT tagged fish funded from other sources. Data in Appendix A covers the last 10 brood years with complete recovery data. Recovery data is available through the 2002 return year. This equates to complete recovery

data for the 1988 - 1997 brood years for chinook salmon, 1989 - 1998 brood years for steelhead, and 1990 - 1999 brood years for coho salmon.

DISCUSSION

The following discussion section consists of two parts: 1) Tables of percent survival data for all programs (total survival, survival to ocean fishery areas, and survival to freshwater recovery areas); 2) Discussions of results for each individual ODFW Columbia Basin hatchery.

The following estimates of percent survival are based on releases of Ad+CWT marked juvenile hatchery salmonids and their subsequent recovery as adults, in ocean and freshwater fisheries, at hatcheries or fish traps, and on spawning grounds. This includes Ad+CWT tagged fish funded by this contract as well as Ad+CWT tagged fish funded from other sources. Percent survival is calculated as (total estimated recoveries/number of tagged fish released)*100. The estimated brood year percent survival is the percent survival of the Ad+CWT group representing that brood year for that production group. When more than one Ad+CWT group is available for a brood year the brood year percent survival is calculated as the weighted average of the Ad+CWT groups. Percent survival estimates are weighted by the total number of fish, both marked and unmarked, associated with each Ad+CWT group.

Table 3. Estimated 1988 through 1997 brood year percent survival for ODFW hatchery fall chinook programs in the Columbia Basin. Programs are identified by hatchery, stock, and release site. URB = Upriver Bright Stock.

| Brood Year | CEDC Rogue Youngs Bay | Big Cr Rogue Big Cr | Big Cr Tules Big Cr | Stayton Tules Willamette R | Bonneville Tules Tanner Cr | Bonneville URB Tanner Cr | Bonneville URB Umatilla R | Umatilla URB Umatilla R |
|-------------|-----------------------|---------------------|---------------------|----------------------------|----------------------------|--------------------------|---------------------------|-------------------------|
| 1988 | | 1.39 | 0.17 | 0.16 | 0.22 | 0.13 | | |
| 1989 | 1.37 | 0.78 | 0.12 | 0.68 | 0.15 | 0.25 | | |
| 1990 | | 0.78 | 0.09 | 0.16 | 0.12 | 0.29 | 0.02 | |
| 1991 | 0.15 | 0.51 | 0.17 | 0.01 | 0.03 | 0.06 | 0.04 | 0.00 |
| 1992 | | 1.56 | 0.08 | 0.00 | 0.03 | 0.36 | 0.26 | 0.06 |
| 1993 | 1.18 | 0.61 | 0.28 | 0.02 | 0.05 | 0.51 | 0.18 | 0.08 |
| 1994 | 0.19 | 0.32 | 0.07 | 0.06 | 0.04 | 0.05 | 0.20 | 0.00 |
| 1995 | 0.24 | 0.17 | 0.03 | | 0.02 | 0.21 | | 0.13 |
| 1996 | 0.10 | | 0.20 | | | 0.02 | 0.15 | 0.05 |
| 1997 | | | 0.08 | | | 0.28 | 0.12 | 0.05 |
| Avg. | 0.54 | 0.77 | 0.13 | 0.16 | 0.08 | 0.22 | 0.14 | 0.05 |
| <i>Min</i> | <i>0.10</i> | <i>0.17</i> | <i>0.03</i> | <i>0.00</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.00</i> |
| <i>Max</i> | <i>1.37</i> | <i>1.56</i> | <i>0.28</i> | <i>0.68</i> | <i>0.22</i> | <i>0.51</i> | <i>0.26</i> | <i>0.13</i> |

In using the recovery data in this report several cautions need to be kept in mind. (1) The estimated survivals are minimum survivals. Some CWT fish are caught or escape to areas that are not sampled, or are not sampled in a way that allows for estimation of the total number of CWT fish in that area. (2) Spawning ground recoveries of Ad+CWT fish are generally not expanded. Only the number of observed recoveries is available. (3) Most freshwater fisheries outside of the Columbia River system are not sampled. (4) The reduced salmon fishing seasons of the recent years have the potential to bias survival estimates. Reduced harvest should result in increased escapement. However, not all escapement areas are sampled, or sampled equally. Some hatchery traps

include a barrier across the stream while others rely on fish swimming in without any barrier. Also, some groups of fish are/were released in off-site areas without adult recapture facilities (i.e. coho salmon reared at Big Creek Hatchery and released in the Tualatin River).

In the late 1990's marine survival of hatchery salmon increased dramatically. This increased survival resulted in large increases in the numbers of returning adult hatchery salmon and steelhead, and thus increased numbers of CWT recoveries at hatcheries. The increased returns began with the 2000 adult return year, and we started processing the increased number of CWT recoveries in 2001. Over the last 3 years (2001 through 2003) we have averaged about 46,000 CWT recoveries processed per year. This is double the average workload from the prior 3 years (1998 through 2000), average of about 23,000 CWT recoveries processed per year. Although we have doubled the number of CWT recoveries processed each year we have not been able to keep up with the rate at which they are being collected. This has resulted in a backlog of unprocessed CWT recoveries from hatcheries. Currently most of the 2001 hatchery CWT recoveries have been processed, but very few of the 2002 hatchery CWT recoveries have been processed. There is also a backlog in the data entry, validation and upload process. The result is that while we have ocean and freshwater recoveries through 2002, the hatchery return information is incomplete for 2001 and essentially missing for 2002 run years. This has some effect on estimated percent survival of steelhead and chinook CWT groups. However, these species return over multiple years, and for logistical and timing reasons their hatchery CWT recoveries are generally processed before coho hatchery CWT recoveries. The effect on estimated percent survival of coho CWT groups has been pronounced and we have not reported percent survival for 1998 and 1999 coho brood years for most programs (Table 7). For all species the estimated percent survivals for recent brood years are likely to increase as we clear the backlog of unprocessed/unreported CWT recoveries.

Table 4. Estimated 1988 through 1997 brood year percent survival for ODFW spring chinook programs in the Columbia Basin below Bonneville Dam. Programs are identified by hatchery, stock, and release site. Various = Different Willamette Basin spring chinook stocks used in different years.

| Brood Year | Clackamas Clackamas | Clackamas Clackamas Sandy | Marion Forks N Santiam N Santiam | McKenzie McKenzie McKenzie | S Santiam S Santiam S Santiam | Willamette M Fk Will. M Fk Will. | CEDC Various Youngs Bay | CEDC Various SF Klaskanine |
|-------------|---------------------|---------------------------|----------------------------------|----------------------------|-------------------------------|----------------------------------|-------------------------|----------------------------|
| 1988 | 1.16 | | 1.18 | 1.12 | 0.22 | 1.07 | 0.43 | 0.00 |
| 1989 | 0.50 | | 0.60 | 0.34 | 0.74 | 0.73 | 0.10 | 0.04 |
| 1990 | 0.46 | | 0.17 | 0.11 | 0.42 | 0.44 | 0.15 | 0.02 |
| 1991 | 0.22 | 0.08 | 0.36 | 0.22 | 0.35 | 0.41 | 0.00 | 0.02 |
| 1992 | 0.26 | 0.05 | 0.15 | 0.18 | 0.18 | 0.34 | 0.36 | 0.03 |
| 1993 | 0.44 | 0.13 | 0.25 | 0.19 | 0.30 | 0.51 | 0.75 | 0.07 |
| 1994 | 0.45 | 0.26 | 0.29 | 0.23 | 0.35 | 0.42 | 0.16 | 0.02 |
| 1995 | 0.44 | 0.12 | 0.39 | 0.31 | 0.56 | 0.20 | 0.10 | 0.04 |
| 1996 | 0.47 | 0.37 | 0.73 | 0.58 | 0.42 | 0.74 | 1.50 | |
| 1997 | 0.55 | 0.18 | 0.70 | 0.56 | 0.48 | 0.86 | 1.10 | |
| Avg. | 0.50 | 0.17 | 0.48 | 0.38 | 0.40 | 0.57 | 0.47 | 0.03 |
| <i>Min</i> | <i>0.22</i> | <i>0.05</i> | <i>0.15</i> | <i>0.11</i> | <i>0.18</i> | <i>0.20</i> | <i>0.00</i> | <i>0.00</i> |
| <i>Max</i> | <i>1.16</i> | <i>0.37</i> | <i>1.18</i> | <i>1.12</i> | <i>0.74</i> | <i>1.07</i> | <i>1.50</i> | <i>0.07</i> |

Table 5. Estimated 1988 through 1997 brood year percent survival for ODFW spring chinook programs in the Columbia Basin above Bonneville Dam. Programs are identified by hatchery, stock, and release site.

| Brood Year | Round Butte Deschutes Deschutes R | Round Butte Deschutes W F Hood R | Umatilla Carson Umatilla R | Lookingglass Rapid River Lookingglass Cr | Lookingglass Imnaha Imnaha R |
|-------------|-----------------------------------|----------------------------------|----------------------------|--|------------------------------|
| 1988 | 1.71 | | | 0.35 | 0.37 |
| 1989 | 0.78 | | | 0.11 | 0.12 |
| 1990 | 0.29 | | | 0.04 | 0.02 |
| 1991 | 0.32 | 0.00 | 0.00 | 0.03 | 0.01 |
| 1992 | 0.47 | | 0.01 | 0.09 | 0.01 |
| 1993 | 0.10 | | 0.08 | 0.09 | 0.08 |
| 1994 | 0.08 | 0.01 | 0.00 | 0.05 | 0.02 |
| 1995 | 0.30 | 0.03 | 0.64 | 0.33 | 0.18 |
| 1996 | 0.18 | 0.00 | 0.26 | 0.25 | 0.24 |
| 1997 | 0.94 | 0.37 | 0.15 | 0.26 | 0.34 |
| Avg. | 0.52 | 0.08 | 0.16 | 0.16 | 0.14 |
| <i>Min</i> | <i>0.08</i> | <i>0.00</i> | <i>0.00</i> | <i>0.03</i> | <i>0.01</i> |
| <i>Max</i> | <i>1.71</i> | <i>0.37</i> | <i>0.64</i> | <i>0.35</i> | <i>0.37</i> |

Table 6. Estimated 1989 through 1998 brood year percent survival for ODFW steelhead programs in the Columbia Basin. Programs are identified by hatchery, stock, and release site.

| Brood Year | Umatilla Summer Umatilla Umatilla R | Irrigon Summer Imnaha Little Sheep Cr | Irrigon Summer Wallowa Big Canyon Cr | Irrigon Summer Wallowa Spring Cr | Oak Springs Winter Hood R E Fk Hood R |
|-------------|-------------------------------------|---------------------------------------|--------------------------------------|----------------------------------|---------------------------------------|
| 1989 | | 1.01 | | 0.96 | |
| 1990 | | 1.04 | 0.95 | 1.08 | |
| 1991 | 0.08 | 0.01 | 0.10 | 0.08 | |
| 1992 | 0.39 | 0.23 | 0.35 | 0.27 | |
| 1993 | 0.37 | 0.22 | 0.79 | 0.74 | 0.36 |
| 1994 | 0.98 | 0.46 | 0.61 | 0.43 | 0.38 |
| 1995 | 0.36 | 0.35 | 0.64 | 0.55 | 0.05 |
| 1996 | 0.28 | 0.25 | 0.29 | 0.26 | |
| 1997 | 0.47 | 0.34 | 0.32 | 0.37 | |
| 1998 | 0.17 | 0.29 | 0.36 | 0.30 | |
| Avg. | 0.39 | 0.42 | 0.49 | 0.50 | 0.26 |
| <i>Min</i> | <i>0.08</i> | <i>0.01</i> | <i>0.10</i> | <i>0.08</i> | <i>0.05</i> |
| <i>Max</i> | <i>0.98</i> | <i>1.04</i> | <i>0.95</i> | <i>1.08</i> | <i>0.38</i> |

Table 7. Estimated 1990 through 1999 brood year percent survival for ODFW coho programs in the Columbia Basin. Programs are identified by hatchery, stock, and release site. n.a. = not available at the time report was written, hatchery return data was missing or incomplete.

| Brood Year | CEDC Tanner Cr Youngs Bay | CEDC Clackamas R Youngs Bay | CEDC Klaskanine R SF Klaskanine R | CEDC Tanner Cr Blind Sl. | CEDC Tanner Cr Tongue Pt. | Big Cr Big Cr Big Cr | Bonneville Tanner Cr Tanner Cr | Sandy Sandy R Sandy R | Cascade Tanner Cr Umatilla R | Cascade Tanner Cr Yakima R |
|-------------|---------------------------|-----------------------------|-----------------------------------|--------------------------|---------------------------|----------------------|--------------------------------|-----------------------|------------------------------|----------------------------|
| 1990 | | | 3.09 | | | 0.21 | 0.88 | 0.07 | 0.81 | 0.07 |
| 1991 | 2.89 | 0.72 | 0.63 | | | 0.94 | 2.25 | 0.90 | 0.21 | 0.05 |
| 1992 | 1.32 | 0.58 | 0.62 | | | 0.73 | 0.42 | 0.45 | 0.24 | 0.13 |
| 1993 | 0.69 | 0.27 | 0.97 | 1.95 | 3.09 | 0.77 | 0.86 | 0.33 | 0.06 | 0.09 |
| 1994 | 0.45 | 1.44 | 0.50 | 1.30 | 0.90 | 0.91 | 1.41 | 0.32 | 0.05 | 0.08 |
| 1995 | 1.45 | | 1.73 | 0.07 | 0.53 | 0.56 | 0.51 | 0.68 | 0.40 | 0.21 |
| 1996 | 1.10 | 0.94 | 0.97 | 1.60 | 3.94 | 0.50 | 0.59 | 0.46 | 0.38 | 0.18 |
| 1997 | 0.85 | 1.41 | 0.51 | 2.00 | 1.58 | 1.57 | 1.51 | 1.85 | 0.26 | 0.42 |
| 1998 | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | 5.88 | n.a. | n.a. | |
| 1999 | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | 2.58 | n.a. | n.a. | |
| Avg. | 1.25 | 0.89 | 1.13 | 1.38 | 2.01 | 0.77 | 1.69 | 0.63 | 0.30 | 0.15 |
| <i>Min</i> | <i>0.45</i> | <i>0.27</i> | <i>0.50</i> | <i>0.07</i> | <i>0.53</i> | <i>0.21</i> | <i>0.42</i> | <i>0.07</i> | <i>0.05</i> | <i>0.05</i> |
| <i>Max</i> | <i>2.89</i> | <i>1.44</i> | <i>3.09</i> | <i>2.00</i> | <i>3.94</i> | <i>1.57</i> | <i>5.88</i> | <i>1.85</i> | <i>0.81</i> | <i>0.42</i> |

Table 8. Average percent survival to ocean recovery area for ODFW hatchery programs in the Columbia Basin. Data are for the last ten completed brood years, chinook 1988-1997, steelhead 1989-1998, and coho 1990-1999. AK = Alaska, NCBC = North Central British Columbia, WCVI = West Coast Vancouver Island, GST = Georgia Strait, PS = Puget Sound, WA = Washington Coast, CA = California.

| Stock Group | AK | NCBC | WCVI | GST | PS | WA | Oregon Ocean Catch Area ^a | | | | | CA |
|------------------------------|------|------|------|------|------|------|--------------------------------------|------|------|------|------|------|
| | | | | | | | 1&2 | 3 | 4 | 5 | 6&7 | |
| FALL CHINOOK SALMON | | | | | | | | | | | | |
| CEDC (Rogue) ^b | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.13 | 0.01 | 0.00 | 0.02 |
| Big Cr (Rogue) ^b | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.18 | 0.04 | 0.01 | 0.03 |
| Big Cr (Tule) | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Stayton Pond ^b | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| Bonneville (Tule) | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Bonneville (URB) | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Bonn. (Umatilla) | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Umatilla ^b | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SPRING CHINOOK SALMON | | | | | | | | | | | | |
| CEDC (Youngs Bay) | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CEDC (SF Klask.) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Clackamas | 0.03 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Marion Forks | 0.05 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| McKenzie | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| South Santiam | 0.04 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Willamette | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sandy River ^b | 0.07 | 0.01 | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| W Fk Hood River ^b | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Round Butte | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Umatilla ^b | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Lookingglass | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Imnaha River | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| COHO SALMON | | | | | | | | | | | | |
| CEDC (YB Clak | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CEDC (TB Tanr | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CEDC (SF Klask.) | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.12 | 0.03 | 0.01 | 0.02 | 0.02 | 0.00 | 0.02 |
| CEDC (Blind Sl) ^b | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.02 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 |
| CEDC (Tongue Pt) | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.08 | 0.02 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| Big Creek | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 |
| Sandy | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.07 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| Bonneville | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.08 | 0.04 | 0.01 | 0.02 | 0.02 | 0.00 | 0.01 |
| Umatilla River | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| Yakima River ^b | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| SUMMER STEELHEAD | | | | | | | | | | | | |
| Umatilla River | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Little Sheep | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Big Canyon Creek | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spring Creek | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

a = Oregon ocean areas displayed in Figure 1.
 ten years.

b = Does not include data from all

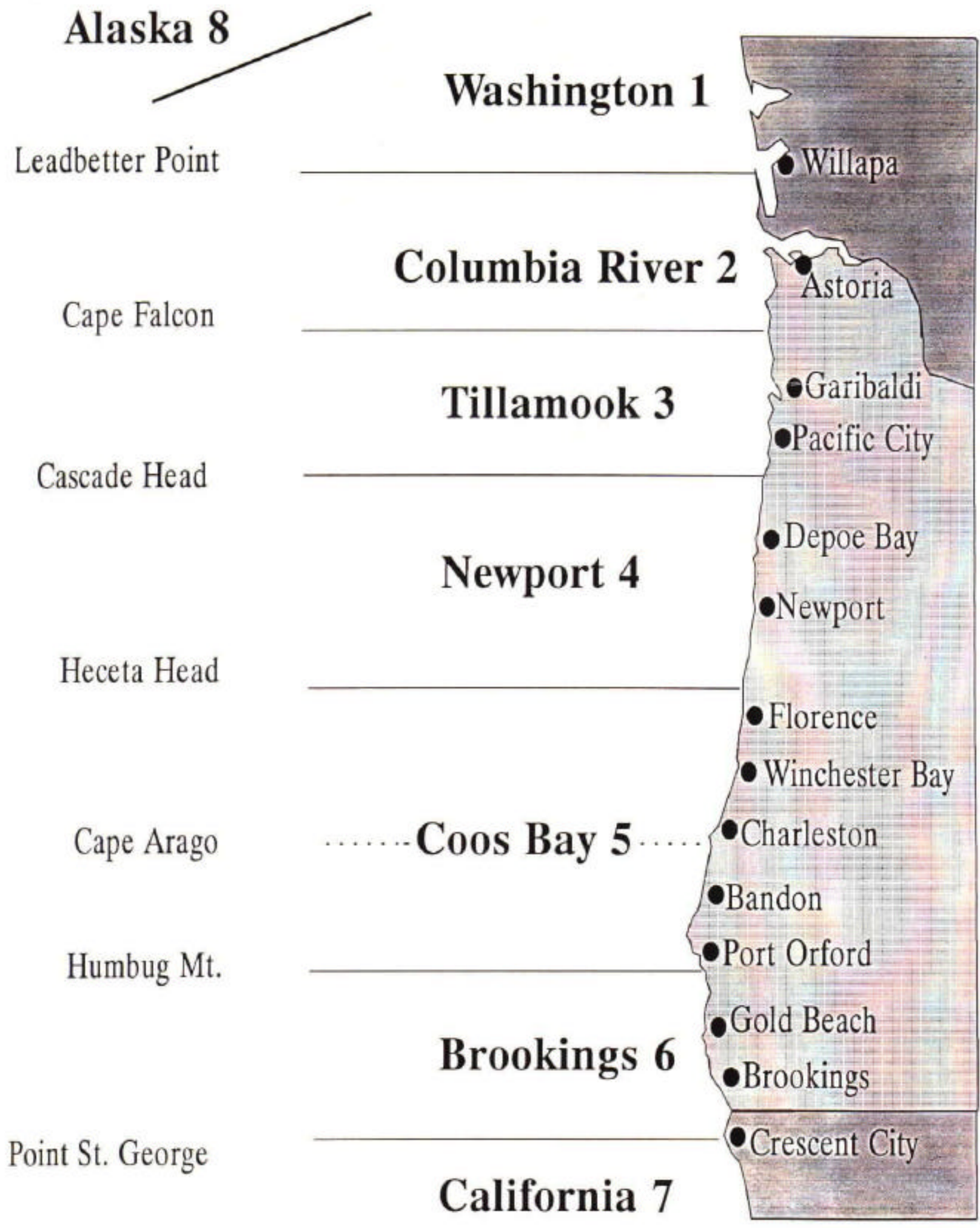


Figure 1. Catch areas for Oregon ocean salmon fisheries.

Table 9. Average percent survival to freshwater recovery area for ODFW hatchery programs in the Columbia Basin. Data are for the last ten completed brood years, chinook 1988-1997, steelhead 1989-1998, and coho 1990-1999. Gillnet above and below are in relation to Bonneville Dam. Tribal is tribal subsistence and ceremonial. SGS is spawning ground survey. Other is miscellaneous recoveries, mostly seine.

| Stock Group | Sport | Gillnet | Gillnet | Tribal | Hatcher | SGS | Other |
|--------------------------------|-------|---------|---------|--------|-------------------|------|-------|
| | | Below | Above | | | | |
| FALL CHINOOK SALMON | | | | | | | |
| CEDC (Rogue) ^a | 0.05 | 0.28 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 |
| Big Cr (Rogue) ^a | 0.06 | 0.03 | 0.00 | 0.00 | 0.33 | 0.02 | 0.00 |
| Big Cr (Tule) | 0.01 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.00 |
| Stayton Pond ^a | 0.01 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 |
| Bonneville (Tule) ^a | 0.01 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 |
| Bonneville (URB) | 0.01 | 0.02 | 0.02 | 0.00 | 0.09 | 0.01 | 0.00 |
| Bonn. (Umatilla) ^a | 0.01 | 0.00 | 0.01 | 0.00 | 0.10 | 0.00 | 0.00 |
| Umatilla ^a | 0.01 | 0.00 | 0.01 | 0.00 | 0.02 | 0.00 | 0.00 |
| SPRING CHINOOK SALMON | | | | | | | |
| CEDC (Youngs Bay) | 0.01 | 0.41 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| CEDC (SF | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| Clackamas | 0.13 | 0.01 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 |
| Marion Forks | 0.19 | 0.02 | 0.00 | 0.00 | 0.19 | 0.01 | 0.00 |
| McKenzie | 0.10 | 0.01 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 |
| South Santiam | 0.14 | 0.02 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 |
| Willamette | 0.16 | 0.02 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 |
| Sandy River ^a | 0.02 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 |
| W Fk Hood River ^a | 0.02 | 0.01 | 0.02 | 0.00 | 0.03 | 0.00 | 0.00 |
| Round Butte | 0.13 | 0.00 | 0.00 | 0.03 | 0.36 | 0.00 | 0.00 |
| Umatilla ^a | 0.02 | 0.00 | 0.00 | 0.00 | 0.08 | 0.05 | 0.00 |
| Lookingglass | 0.02 | 0.00 | 0.00 | 0.01 | 0.12 | 0.01 | 0.00 |
| Imnaha River | 0.01 | 0.00 | 0.01 | 0.00 | 0.09 | 0.03 | 0.00 |
| COHO SALMON | | | | | | | |
| CEDC (YB-Clack. | 0.08 | 0.58 | 0.00 | 0.00 | 0.00 ^a | 0.00 | 0.00 |
| CEDC (YB-Tanner | 0.06 | 0.99 | 0.00 | 0.00 | 0.01 ^a | 0.00 | 0.00 |
| CEDC (SF Klask.) | 0.10 | 1.09 | 0.00 | 0.00 | 0.17 ^a | 0.00 | 0.00 |
| CEDC (Blind Sl) ^a | 0.08 | 1.16 | 0.00 | 0.00 | 0.01 ^a | 0.00 | 0.01 |
| CEDC (Tongue Pt) ^a | 0.17 | 1.31 | 0.00 | 0.00 | 0.04 ^a | 0.00 | 0.01 |
| Big Creek | 0.07 | 0.25 | 0.00 | 0.00 | 0.54 ^a | 0.00 | 0.00 |
| Sandy | 0.07 | 0.02 | 0.00 | 0.00 | 0.50 ^a | 0.00 | 0.00 |
| Bonneville | 0.16 | 0.10 | 0.00 | 0.00 | 1.27 | 0.00 | 0.00 |
| Umatilla River | 0.05 | 0.02 | 0.02 | 0.00 | 0.16 ^a | 0.00 | 0.00 |
| Yakima River ^a | 0.04 | 0.01 | 0.03 | 0.00 | 0.02 ^a | 0.00 | 0.00 |
| SUMMER STEELHEAD | | | | | | | |
| Umatilla River | 0.08 | 0.00 | 0.06 | 0.00 | 0.35 | 0.00 | 0.00 |
| Little Sheep Creek | 0.10 | 0.00 | 0.09 | 0.00 | 0.24 | 0.00 | 0.00 |
| Big Canyon Creek ^a | 0.21 | 0.00 | 0.09 | 0.00 | 0.19 | 0.00 | 0.00 |
| Spring Creek | 0.18 | 0.00 | 0.13 | 0.00 | 0.19 | 0.00 | 0.00 |

a = Does not include data from all ten years.

Big Creek Hatchery

Big Creek Hatchery is located 2 miles south of Knappa off Highway 30 near the mouth of the Columbia River. The hatchery, originally built in 1939-41, rears and

releases tule and Rogue fall chinook, coho salmon, and winter steelhead. The winter steelhead have not been marked with coded-wire tags for evaluation.

Tule stock fall chinook 1988 to 1997 broods percent survival averaged 0.13%, and ranged from 0.03% to 0.28% (Table 3). Survival has been consistently low over the last 10 brood years (Figure 2). Ocean catch was primarily in West Coast Vancouver Island and Washington Coastal fisheries (Table 8). Freshwater recoveries were mainly at hatcheries, with freshwater sport and lower river gillnet catch each composing 13% of the total freshwater recoveries (Table 9).

Experimental releases of Rogue River stock fall chinook at Big Creek began in 1983. Good survival and contribution rates to Oregon fisheries resulted in expansion of the program. Rogue River stock fall chinook, 1988 to 1995 broods, percent survival averaged 0.77%, and ranged from 0.17% to 1.56% (Table 3). Survival has generally declined over the last 10 brood years (Figure 2). Ocean catch was primarily in Oregon fisheries, with smaller contributions to California and Washington Coastal fisheries (Table 8). Freshwater recoveries were mainly at hatcheries, with freshwater sport and lower river gillnet catch composing 20% of the total freshwater recoveries (Table 9). Beginning with the 1995 brood the release site was switched to Klaskanine Hatchery, to reduce straying.

The 1990 to 1999 brood Big Creek stock coho released in Big Creek survived at an average rate of 0.77%, and ranged from 0.21% to 1.57% (Table 7). Coho survival was generally low for the 1990 to 1996 broods, but has increased since the 1997 brood (Figure 2). Ocean catch was mainly in Oregon and Washington coastal fisheries (Table 8). Freshwater recoveries were 63% hatchery returns and 37% sport and lower river gillnet catch (Table 9). The same coho stock released in the Tualatin River survived at an average rate of 0.04% for the 1991 to 1996 broods. Releases in the Tualatin River were discontinued after the 1996 brood.

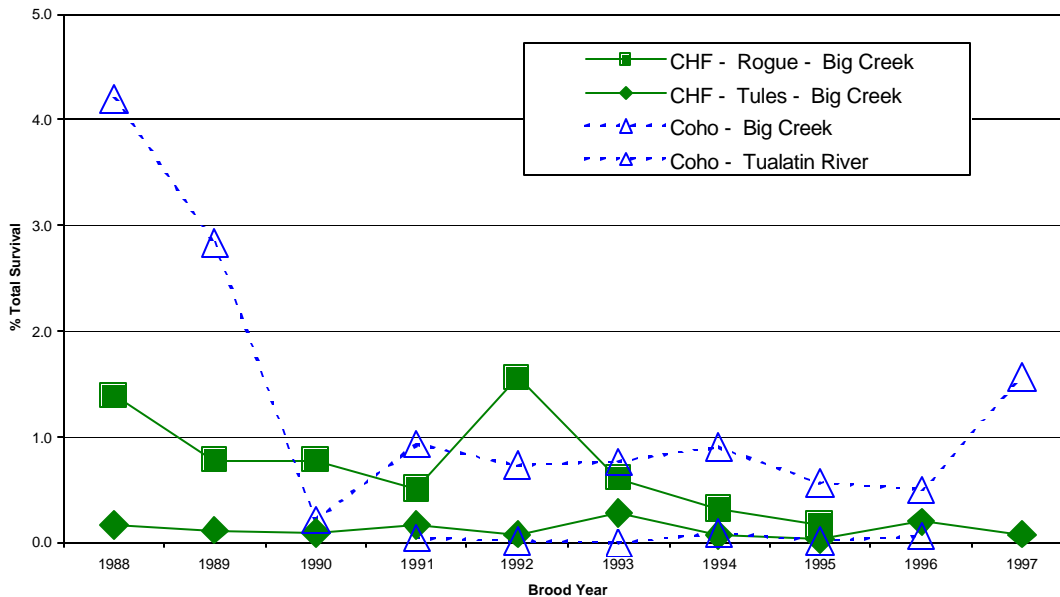


Figure 2. Percent survival by brood year for Big Creek Hatchery programs.

Klaskanine Hatchery

Klaskanine Hatchery is located 21 miles southeast of Astoria, Oregon on Highway 202 adjacent to the Klaskanine River. The hatchery, originally built in 1913, was expanded and remodeled in 1953. Budget cuts have reduced hatchery staffing to 1 person and eliminated all rearing programs. Historically, the hatchery reared tule fall chinook, coho and winter steelhead. Presently, the hatchery serves as an acclimation and adult recapture facility for Rogue stock fall chinook and Big Creek stock winter steelhead. The winter steelhead have not been marked with coded-wire tags for evaluation.

Rogue Stock fall chinook releases began with the 1995 brood. Average survival for the 1995 to 1996 brood years was 0.29%, which is comparable to the same stock released in other lower Columbia River areas (Appendix A).

The tule fall chinook program was discontinued after the 1988 brood year, and the coho program was discontinued after the 1994 brood year. Release and recovery data for Klaskanine Hatchery 1988 brood fall chinook and 1990 to 1994 brood coho CWT groups is reported in Appendix A.

Clatsop Economic Development Commission (CEDC)

CEDC operates freshwater ponds and estuary net pens in Youngs Bay and adjacent areas near Astoria, Oregon. CEDC releases coho and chinook salmon in cooperation with ODFW hatcheries.

Tule fall chinook production was discontinued after the 1987 brood year. Experimental releases of Rogue stock fall chinook in Blind Slough and Tongue Point were begun with the 1995 brood year. Upriver Bright stock fall chinook were released in Youngs Bay (1994 & 1997 broods) and at Tongue Point (1995 & 1996 broods). Release and recovery data for CWT groups associated with all of these programs is reported in Appendix A.

Rogue River stock fall chinook released in Youngs Bay/South Fork Klaskanine River (1989 to 1996 broods) survived at an average rate of 0.54% and ranged from 0.10% to 1.37% (Table 3). Survival has generally declined over the last 10 brood years (Figure 3). Ocean catch was primarily in Oregon fisheries, with smaller contributions to California and Washington Coastal fisheries (Table 8). Freshwater recoveries were primarily in lower river gillnet fisheries (Table 9).

Release of Willamette Basin spring chinook by CEDC began with the 1988 brood. A variety of different Willamette Basin stocks have been used over the years. The original releases were in Youngs Bay and South Fork Klaskanine River. The program was expanded to Blind Slough and Tongue Point beginning with the 1994 brood year. Release and recovery data for Blind Slough and Tongue Point release CWT groups are reported in Appendix A. Spring chinook released in Youngs Bay (1989 to 1996 broods) survived at an average rate of 0.47% and ranged from 0.00% to 1.50% (Table 4). Spring chinook released in South Fork Klaskanine River (1988 to 1995 broods) survived at an average rate of 0.03% and ranged from 0.00% to 0.07% (Table 4). Generally, survival of spring chinook released in the estuary terminal areas was below 0.5% (Figure 3) and less than the survival of spring chinook released at the Willamette Basin hatcheries, until the 1996 brood (Table 4). The very few spring chinook released by CEDC that are recovered in the ocean are caught primarily in Alaskan ocean fisheries (Table 8). Freshwater recoveries are primarily in lower river gillnet fisheries, with a small number recovered at hatcheries (Table 9).

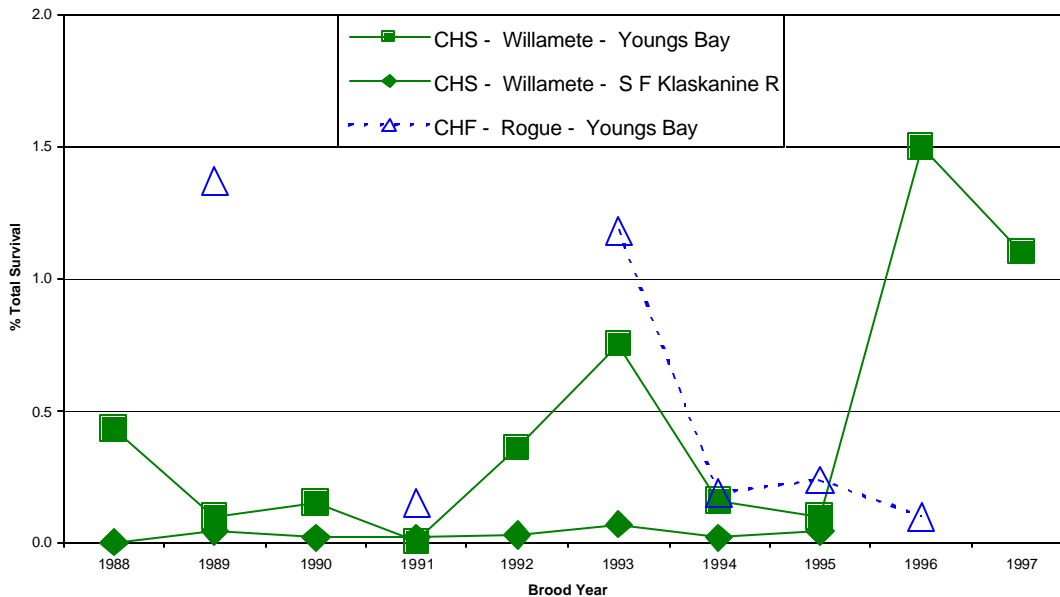


Figure 3. Percent survival by brood year for CEDC chinook programs.

Releases of coho salmon in Columbia Estuary terminal areas use a variety of stocks and release locations (Appendix A). Using data for five of the longer-term CEDC coho stock/release site data sets (brood years 1990 through 1999) 10 year average survival ranged from 0.89% to 2.01% (Table 7). Survival has been variable over the last 10 brood years (Figure 4). Survival of coho released by CEDC is generally higher than that seen for the same stocks released from ODFW lower Columbia hatcheries (Table 7). Ocean catch of CEDC coho is very similar to that of coho salmon from ODFW lower Columbia hatcheries, mainly in Oregon and Washington coastal fisheries (Table 8). Percent survival to freshwater sport fisheries is very similar for CEDC and other ODFW Columbia Basin coho programs (Table 9). However, coho released by CEDC have much higher recoveries in gillnet fisheries and much lower recoveries at hatcheries than the same stocks released from ODFW Columbia Basin hatcheries (Table 9).

Gnat Creek Hatchery

Gnat Creek Hatchery is located east of Knappa off Highway 30 on Gnat Creek a tributary to the Lower Columbia River. Gnat Creek Hatchery released summer and winter steelhead and cutthroat trout, none of which were coded-wire tagged for evaluation. Due to budget cuts the hatchery was switched in 1996 to rearing Willamette Basin stock spring chinook for acclimation and release in lower Columbia River net pens in cooperation with CEDC. For discussion of these programs see the CEDC section above.

Eagle Creek National Fish Hatchery

Eagle Creek National Fish Hatchery (NFH) is located on Eagle Creek a tributary of the Clackamas River southeast of Portland. Eagle Creek NFH presently rears and releases coho salmon in Eagle Creek. Additional coho are reared for ODFW, and are transported to the CEDC net pens for acclimation in Youngs Bay near Astoria. For results of the Youngs Bay releases see the CEDC section above.

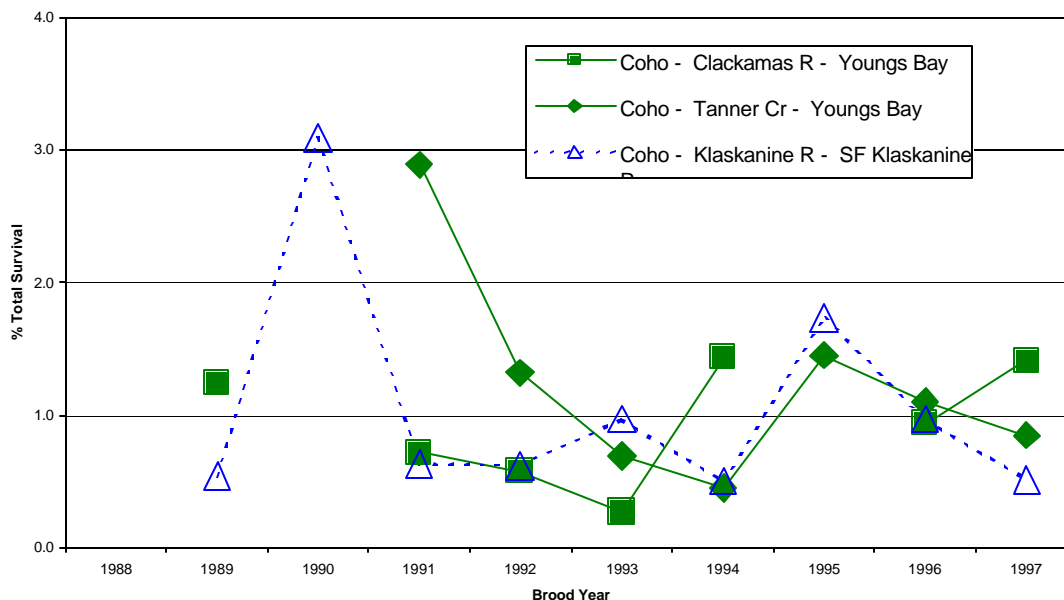


Figure 4. Percent survival by brood year for CEDC coho programs.

Clackamas Hatchery

Clackamas Hatchery is located on the Clackamas River 4 miles west of Estacada near McIver Park. Clackamas Hatchery rears and released spring chinook salmon, summer and winter steelhead. Due to water quality and quantity limits, eggs collected at Clackamas Hatchery are sent to other hatcheries for incubation and early rearing. Steelhead eggs go to Irrigon and Oak Springs hatcheries. Spring chinook eggs go to Willamette and Oxbow for incubation and then to Marion forks for rearing. Juveniles are then returned to Clackamas for final rearing and release. None of the Clackamas Hatchery summer and winter steelhead releases have been marked with coded-wire tags for evaluation.

The 1988 to 1997 brood Clackamas River stock spring chinook released in the Clackamas River survived at an average rate of 0.50% and ranged from 0.22% to 1.16% (Table 4). The same stock released in the Sandy River (1991 to 1997 broods) survived at an average rate of 0.17% and ranged from 0.05% to 0.37% (Table 4). For the 1988 to 1995 brood years Clackamas Hatchery spring chinook survival had 1 high survival brood (about 1.0%, 1988), 2 low survival broods (about 0.2%, 1991 and 1992), and was fairly consistent at about 0.5% in the remaining years (Figure 5). The same stock of hatchery spring chinook released in the Sandy River showed a similar pattern in survival but the absolute values were lower (Figure 5). This is most likely the result of much lower levels of sampling for CWT spring chinook in the Sandy Basin.

Ocean recoveries of the two groups were fairly similar, predominately in Alaskan and Canadian (West Coast Vancouver Island and North Central British Columbia) fisheries (Table 8). Freshwater recoveries are mainly at hatcheries and fish traps, with freshwater sport and lower river gillnet fisheries accounting for 33% to 67% of the total freshwater recoveries for the Clackamas and Sandy release groups, respectively (Table 9).

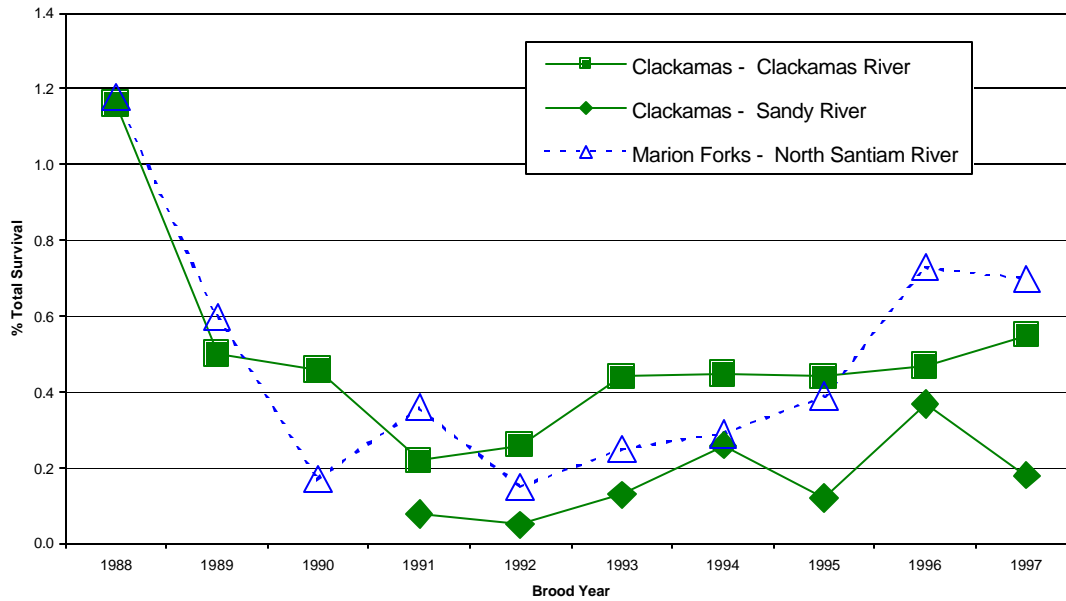


Figure 5. Percent survival by brood year for Clackamas and Marion Forks Hatchery spring chinook programs.

Marion Forks Hatchery

Marion Forks Hatchery is located on the North Santiam River 10 miles east of Idana on Highway 22. Marion Forks Hatchery rears and releases spring chinook salmon, winter steelhead, rainbow and cutthroat trout. Although prior brood years of winter steelhead have been coded-wire tagged, none were tagged for the current 10 brood years. All other rainbow and cutthroat trout released by the Marion Forks Hatchery were not coded-wire tagged for evaluation.

The 1988 to 1997 brood years of Marion Forks spring chinook survived at an average rate of 0.48% and ranged from 0.15% to 1.18% (Table 4). During this time period this was the third highest average survival for all the Willamette Basin hatchery spring chinook programs. Survival for Marion Forks Hatchery spring chinook declined from the 1988 to 1990 brood years and has stayed below 0.4% until the 1996 brood year (Figure 5). There is an increasing trend in survival since the 10 year survival low of 0.15% for the 1992 brood (Figure 5).

Ocean recoveries of these spring chinook are almost exclusively in Alaskan and North Central British Columbia fisheries (Table 8). Marion Forks spring chinook had the highest average percent survival to freshwater sport and lower river gillnet fisheries, but one of the lowest average percent survival to hatchery returns of all the Willamette Basin hatchery spring chinook programs (Table 9). Freshwater catch (sport and gillnet combined) composed 53% of the average freshwater recoveries for Marion Forks Hatchery spring chinook. This is much higher than the 33% to 48% seen for the other Willamette Basin hatchery spring chinook programs (Table 9). This difference is most likely related to adult collection methods at the hatcheries. Marion Forks Hatchery only collects adult spring chinook in the fall. The other Willamette Basin spring chinook hatcheries initially open their adult traps in the summer, close them in late summer and then re-open the traps in the fall, just prior to spawning.

South Santiam Hatchery

South Santiam Hatchery is located below Foster Dam on the South Santiam River near Sweet Home. South Santiam Hatchery rears and releases spring chinook salmon and summer steelhead. Summer steelhead released by South Santiam Hatchery have not been coded-wire tagged to permit evaluation.

The 1988 to 1996 brood South Santiam spring chinook survived at an average rate of 0.40% and ranged from 0.18% to 0.74% (Table 4). Survival declined from the 1989 to 1992 brood years, but has shown a slight increasing trend since the 10 year survival low of 0.18% for the 1992 brood (Figure 6).

Ocean recoveries of these spring chinook are almost exclusively in Alaskan and Canadian fisheries (Table 8). South Santiam Hatchery spring chinook freshwater recoveries are mainly hatchery returns (Table 9). Freshwater catch (sport and lower river gillnet combined) composed 48% of the average freshwater recoveries for South Santiam Hatchery spring chinook.

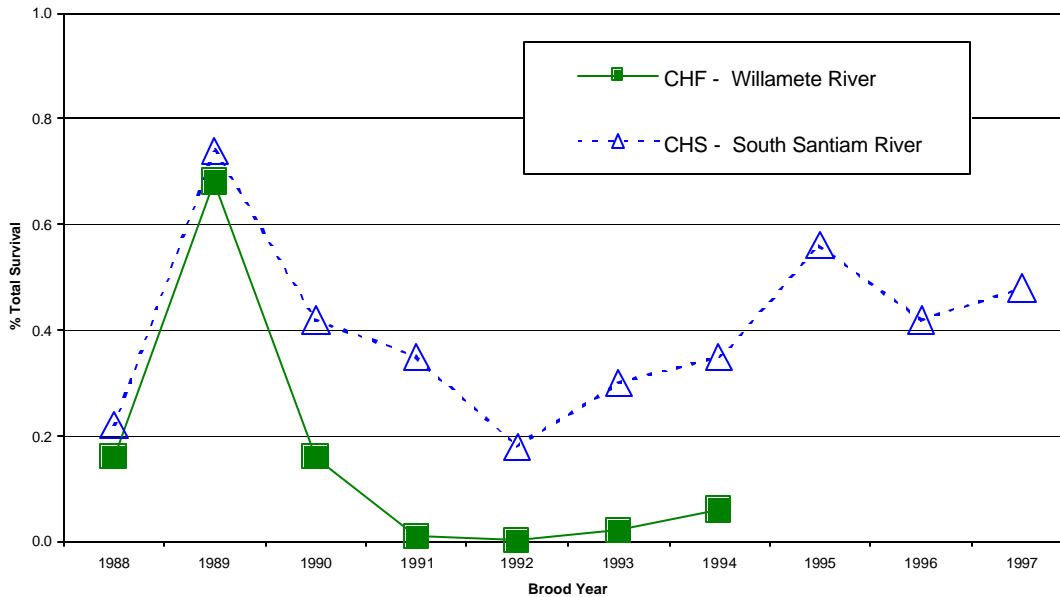


Figure 6. Percent survival by brood year for South Santiam Hatchery programs.

Stayton Rearing Pond

Stayton Pond, a refurbished gravel pit located south of Stayton, was operated as a satellite of the South Santiam Hatchery. Stayton Pond reared tule stock fall chinook, but production was discontinued after the 1994 brood year due to budget cuts and flood damage to the facility.

The 1988 to 1994 brood Stayton Pond fall chinook survived at an average rate of 0.16% and ranged from 0.00% to 0.68% (Table 3). Survival was consistently below 0.2% except for the 1989 brood year (Figure 6). Ocean recoveries were mostly in West Coast Vancouver Island and Washington Coastal fisheries (Table 8). Hatchery returns comprised 87% and freshwater sport 13% of freshwater recoveries (Table 9).

Roaring River Hatchery

Roaring River Hatchery is located 11 miles southeast of Scio off State Highway 226. The hatchery rears and releases winter steelhead and rainbow trout. None of these fish have been coded-wire tagged for evaluation.

McKenzie Hatchery

McKenzie Hatchery is located on the McKenzie River 16 miles east of Springfield. The hatchery rears and releases spring chinook salmon and summer steelhead. None of the summer steelhead released from McKenzie Hatchery have been coded-wire tagged for evaluation.

The 1988 to 1997 brood McKenzie Hatchery spring chinook survived at an average rate of 0.38% and ranged from 0.11% to 1.12% (Table 4). Survival declined from the 1988 to 1990 brood years, but has shown a slight increasing trend since the 10 year survival low of 0.11% for the 1990 brood (Figure 7).

Ocean recoveries of these spring chinook are almost exclusively in Alaskan and West Coast Vancouver Island fisheries (Table 8). McKenzie Hatchery spring chinook freshwater recoveries are mainly hatchery returns (Table 9). Freshwater catch (sport and lower river gillnet combined) composed 34% of the average freshwater recoveries for McKenzie Hatchery spring chinook.

McKenzie Hatchery was involved in a net pen acclimation experiment for spring chinook. The goal of the experiment was to determine the effect of both acclimated and direct smolt releases at several sites below Willamette Falls, on catch in the Lower Willamette fishery. The experiment involved releases for the 1994 to 1999 brood years, although some fish were also released below Willamette falls for the 1992 and 1993 broods. Results by tagcode are reported in Appendix A. For a discussion of the experiment see Schroeder et.al. (2001).

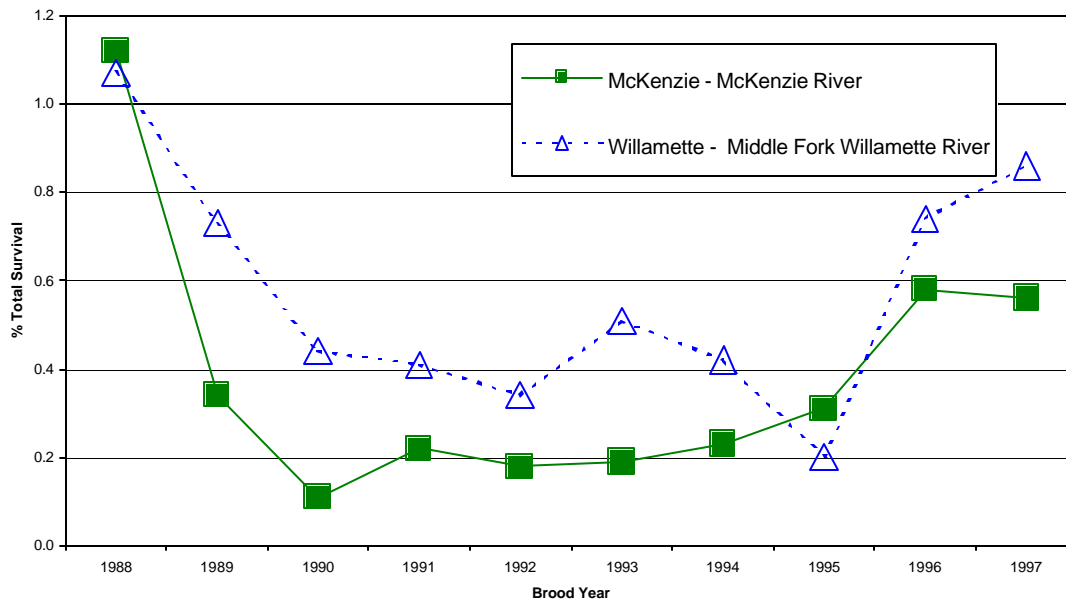


Figure 7. Percent survival by brood for Willamette & McKenzie hatchery spring chinook programs.

Leaburg Hatchery

Leaburg Hatchery is located on the McKenzie River off Highway 126, 18 miles east of Springfield. Leaburg Hatchery rears and releases summer steelhead and rainbow trout. None of these fish have been coded-wire tagged for evaluation.

Willamette Hatchery

Willamette Hatchery is located on the Middle Fork Willamette River 1 mile east of Oakridge off Highway 58. Willamette Hatchery rears and releases spring chinook salmon, summer and winter steelhead and rainbow trout. None of the steelhead or rainbow trout released from Willamette Hatchery have been coded-wire tagged for evaluation.

The 1988 to 1997 brood Willamette Hatchery spring chinook survived at an average rate of 0.57% and ranged from 0.20% to 1.07% (Table 4). During this time period this was the highest average survival for all the Willamette Basin hatchery spring chinook programs. Survival declined from the 1987 to 1995 brood years, but has increased substantially since the 1996 brood year (Figure 7).

Ocean recoveries of these spring chinook are almost exclusively in Alaska and North Central British Columbia fisheries (Table 8). Willamette Hatchery spring chinook freshwater recoveries are mainly hatchery returns (Table 9). Freshwater catch (sport and lower river gillnet combined) composed 35% of the average freshwater recoveries for Willamette Hatchery spring chinook.

Sandy Hatchery

Sandy Hatchery is located on the Sandy River 1 mile northeast of the city of Sandy off Highway 26. Sandy Hatchery rears and releases coho salmon, rainbow and brook trout. Starting with the 1999 brood year Sandy Hatchery began acclimating and releasing a portion of the spring chinook reared at Clackamas Hatchery and released in the Sandy Basin. None of the rainbow or brook trout released by Sandy Hatchery were coded-wire tagged for evaluation.

The 1990 to 1999 brood years of Sandy River stock coho released in the Sandy River survived at an average rate of 0.63%, and ranged from 0.07% to 1.85% (Table 7). Coho survival was generally low for the 1990 to 1996 broods, but has increased since then (Figure 8). Ocean catch was mainly in Oregon and Washington coastal fisheries (Table 8). Sandy Hatchery coho freshwater recoveries are mainly hatchery returns (Table 9). Freshwater sport and lower river gillnet catch composed 15% of the average freshwater recoveries for Sandy Hatchery coho.

Cascade Hatchery

Cascade Hatchery is located off Highway 84 just above Bonneville Dam. Cascade Hatchery rears coho salmon that are acclimated and released in the Umatilla River and in upper Columbia River tributaries.

The 1990 to 1999 brood years of Tanner Creek stock coho released in the Umatilla River survived at an average rate of 0.30%, and ranged from 0.05% to 0.81% (Table 7). The 1990 to 1997 brood years released in the Yakima River survived at an average rate of 0.15%, and ranged from 0.05% to 0.42% (Table 7). Starting with the 1998 brood year the Yakima River releases were switched to releases in the Methow and Wenatchee Rivers. Survival for 1998 and 1999 brood coho released from these two sites is reported in Appendix A. Survival for these coho programs has been relatively low since the 1990 brood year (Figure 8), and is generally lower

than the survival of the same stock released below Bonneville Dam (Table 7). These programs did show the increased survival in the 1998 brood seen for coho released below Bonneville Dam (Figures 2, 8 & 9).

Ocean catch of Tanner Creek stock coho released in the Umatilla and Yakima Rivers was mainly in Oregon and Washington coastal fisheries (Table 8). Freshwater recoveries of these coho were mainly sport and gillnet fisheries (Table 9). Unlike coho released below Bonneville Dam, the coho released above the dam contributed to gillnet fisheries above the dam, about 10% of the average total freshwater percent survival (Table 9). Percent survival to hatchery recovery for Tanner Creek stock coho released in the Umatilla and Yakima Rivers was lower than that for the same stock released below the dam (Table 9). This may be related to the sampling programs for CWT coho in the Umatilla and Yakima basin escapement.

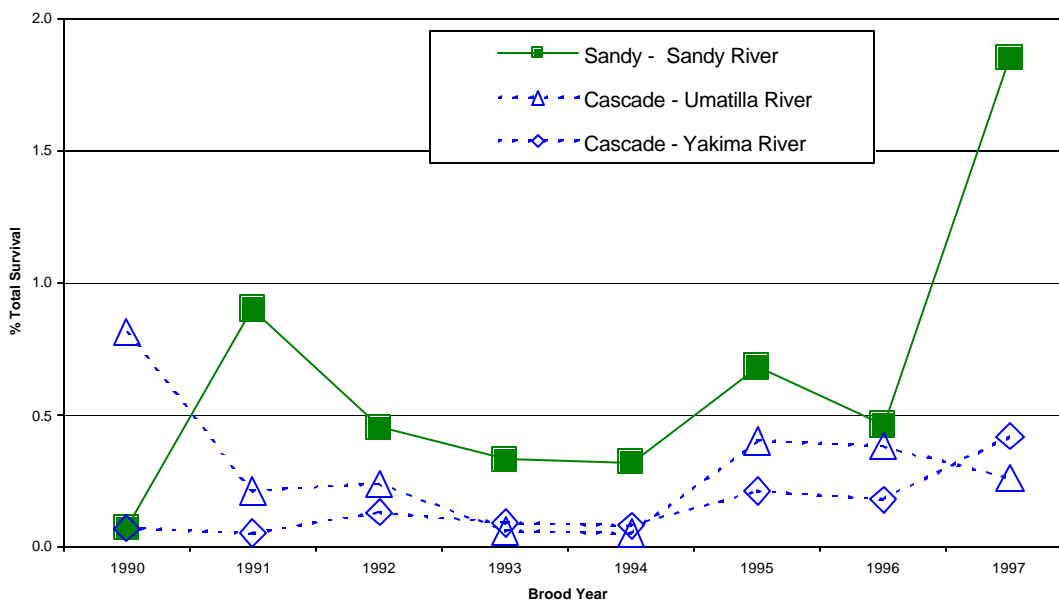


Figure 8. Percent survival by brood for Sandy & Cascade Hatchery coho programs.

Bonneville Hatchery

Bonneville Hatchery is located on the Columbia River off Highway 84 just below Bonneville Dam. Bonneville Hatchery rears and releases up-river bright fall chinook, sockeye and coho salmon. Bonneville Hatchery reared and released spring chinook salmon smolts until the 1992 brood year for Umatilla River releases, and the 1993 brood for releases in the West Fork Hood River. Appendix A reports CWT release and recovery data for the 1988 through 1993 broods for these programs.

Bonneville Hatchery tule stock fall chinook production was discontinued after the 1995 brood year. Brood years 1988 to 1995, released at Tanner Creek percent survival averaged 0.08%, and ranged from 0.02% to 0.22% (Table 3). Survival of these tule fall chinook was generally low and declining since the 1988 brood year (Figure 9). Ocean catch for these fish was in West Coast Vancouver Island and Washington Coastal fisheries (Table 8). Freshwater recoveries were almost exclusively hatchery returns (Table 9).

Bonneville Hatchery releases up-river bright stock fall chinook in Tanner Creek and in the Umatilla River. Average percent survival for the 1988 to 19976 broods, released in Tanner Creek was 0.22%, and for fish released in Umatilla River was 0.14% (Table 3). Survival has generally been low for both groups over this time period, except for a slightly increased survival for the 1993 brood release at Tanner Creek (Figure 9). Ocean catch for both groups was mainly in Alaskan and Canadian (West Coast Vancouver Island and North Central British Columbia) fisheries (Table 8). Freshwater recoveries were mainly hatchery returns for both groups, with freshwater catch (sport and gillnet combined) accounting for about 30% of the total average freshwater recoveries (Table 9).

The 1990 to 1999 brood years of Bonneville Hatchery stock coho survived at an average rate of 1.69%, and ranged from 0.42% to 5.88% (Table 7). Survival of Bonneville Hatchery coho generally declined from the 1990 to 1996 brood years, but has increased substantially since then (Figure 9). Ocean catch was mainly in Oregon and Washington coastal fisheries (Table 8). Bonneville Hatchery coho freshwater recoveries are mainly hatchery returns, with freshwater sport and lower river gillnet catch comprising 17% of the average freshwater recoveries (Table 9).

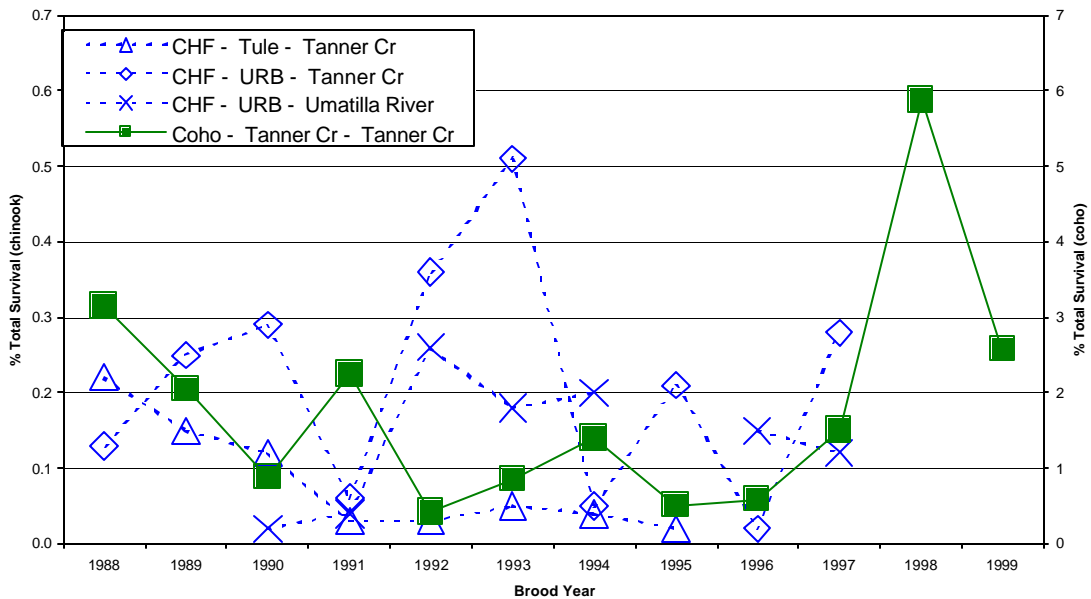


Figure 9. Percent survival by brood year for Bonneville Hatchery programs. URB = Up-River Bright stock.

Oxbow Hatchery

Oxbow Hatchery is located on the Columbia River 2 miles east of Cascade Locks off Highway 84. Oxbow Hatchery rears coho and spring chinook salmon. Coho reared by Oxbow Hatchery are released at Tanner Creek, Youngs Bay, or Umatilla River after acclimation and/or extended rearing. For results from these programs see the Bonneville, CEDC, and Cascade discussions above. The spring chinook from Oxbow are transferred to Clackamas Hatchery for rearing and release, results are reported under the Clackamas Hatchery section. Wahkeena Pond, located near Multnomah Falls State Park off Highway 84 was operated as a coho rearing satellite of Oxbow Hatchery through the 1992 brood. Release and recovery data for Wahkeena

Pond CWT coho is reported in Appendix A. Wahkeena Pond is now being developed as a public fishing area instead of a hatchery rearing facility.

Round Butte Hatchery

Round Butte Hatchery is located at the base of Round Butte Dam on the Deschutes River east of Madras. Round Butte Hatchery rears and releases spring chinook, summer steelhead and brown trout. The summer steelhead and brown trout released from Round Butte Hatchery have not been coded-wire tagged for evaluation.

Percent survival for the 1988 to 1997 brood Deschutes River stock spring chinook released in the Deschutes River averaged 0.52%, and ranged from 0.08% to 1.71% (Table 5). Survival over this time frame has generally declined until the 1997 brood year (Figure 10). The very few ocean recoveries of Round Butte Hatchery spring chinook were in Alaska, Washington and British Columbia fisheries (Table 8, Appendix A). Freshwater recoveries were mainly hatchery returns, with freshwater catch (sport, gillnet, and tribal subsistence/ceremonial combined) accounting for about 31% of the total average freshwater recoveries (Table 9).

There are only 5 brood years of data available for Deschutes River stock spring chinook released in the West Fork Hood River (1991, and 1994 to 1997). Percent survival for these brood years averaged 0.08%, and ranged from 0.00% to 0.37% (Table 5). There have been very few ocean recoveries for these fish (Appendix A). Freshwater recoveries were about 43% at hatcheries and 57% in sport and above Bonneville gillnet catch (Table 9).

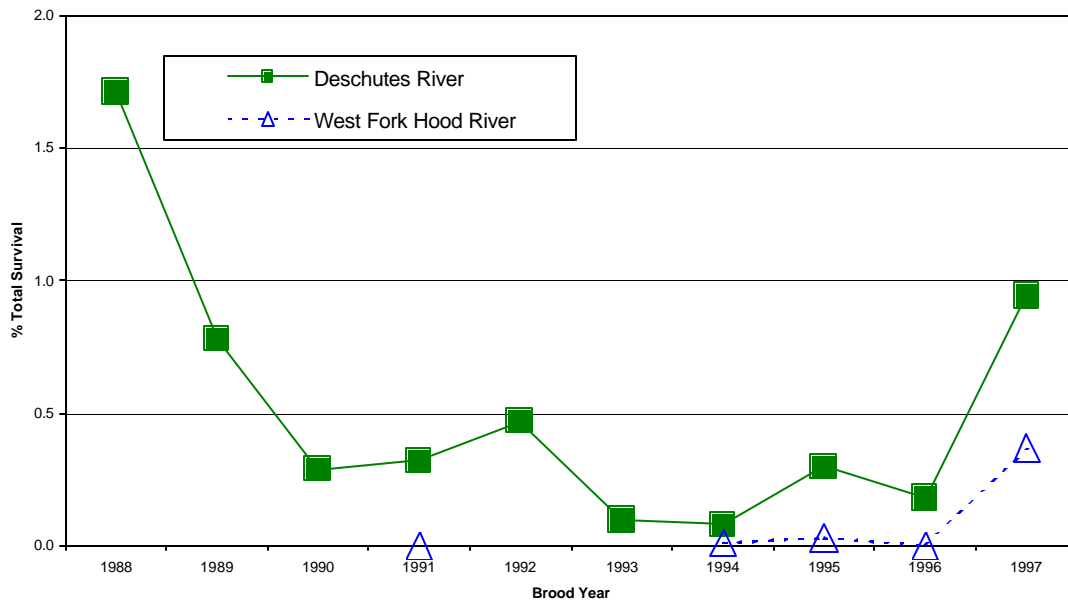


Figure 10. Percent survival by brood year for Round Butte Hatchery programs.

Oak Springs Hatchery

Oak Springs Hatchery is located on the Deschutes River 3 miles north of Maupin. Oak Springs Hatchery rears and releases summer steelhead, winter steelhead, and rainbow trout. The rainbow trout have not been coded-wire tagged for evaluation.

Average percent survival of the 1993 to 1995 brood Hood River stock winter steelhead reared at Oak Springs and released in East Fork Hood River was 0.26%, and ranged from 0.05% to 0.38% (Table 6). There were only freshwater recoveries for this group, which were predominately in freshwater sport fisheries.

Wizard Falls Hatchery

Wizard Falls Hatchery is located on the Metolius River 2 miles north of Camp Sherman off Highway 20. Wizard Falls Hatchery rears and releases Atlantic and kokanee salmon, brown, brook and rainbow trout. None of these fish have been coded-wire tagged for evaluation.

Fall River Hatchery

Fall River Hatchery is located on Fall River, a tributary of the Deschutes River southeast of Bend. Fall River Hatchery rears and releases cutthroat, brook, and rainbow trout. None of these fish have been coded-wire tagged for evaluation.

Umatilla Hatchery

Umatilla Hatchery, constructed in 1990, is located on the Columbia River adjacent to Irrigon Hatchery. Umatilla Hatchery rears up-river bright fall chinook, Carson stock spring chinook, and summer steelhead trout. Starting with the 1991 brood year, Umatilla Hatchery took over production of spring and fall chinook salmon for the Umatilla River from Irrigon Hatchery, and production of summer steelhead for the Umatilla River from Oak Spring Hatchery.

Percent survival of the 1991 to 1997 brood years of Umatilla Hatchery up-river bright stock fall chinook averaged 0.05%, and ranged from 0.00% to 0.13% (Table 3). Ocean catch was primarily in Alaska and British Columbia fisheries (Table 8, Appendix A). Freshwater recoveries were mainly hatchery returns, with above Bonneville Dam gillnet catch accounting for 25% of the total average freshwater recoveries (Table 9).

Percent survival of the 1991 to 1997 brood years of Umatilla Hatchery Carson stock spring chinook averaged 0.16%, and ranged from 0.00% to 0.64% (Table 5). Survival was consistently below 0.1% until the 1995 brood year which jumped to 0.64% (Figure 11). The very few ocean recoveries were in Alaska and California fisheries (Appendix A). Freshwater recoveries were mainly hatchery returns, with recoveries on spawning grounds accounting for 33% of the total average freshwater recoveries (Table 9).

Percent survival of the 1991 to 1998 brood years of Umatilla Hatchery summer steelhead averaged 0.39%, and ranged from 0.08% to 0.98% (Table 6). Survival was about 0.4% except for the 1991, 1994 and 1998 brood years (Figure 11). The 1 ocean recovery was in a North Central British Columbia fishery (Appendix A). Freshwater recoveries were mainly hatchery returns, with catch (freshwater sport, and above Bonneville Dam gillnet) accounting for 29% of the total average freshwater recoveries (Table 9).

Irrigon Hatchery

Irrigon Hatchery is located on the Columbia River off Highway 730 near Irrigon. Irrigon rears and releases summer steelhead and rainbow trout. Starting with the 1991 brood year production of spring and fall chinook salmon for the Umatilla

River was taken over by the new Umatilla Hatchery. Release and recovery data for Irrigon Hatchery fall and spring chinook salmon is reported in Appendix A.

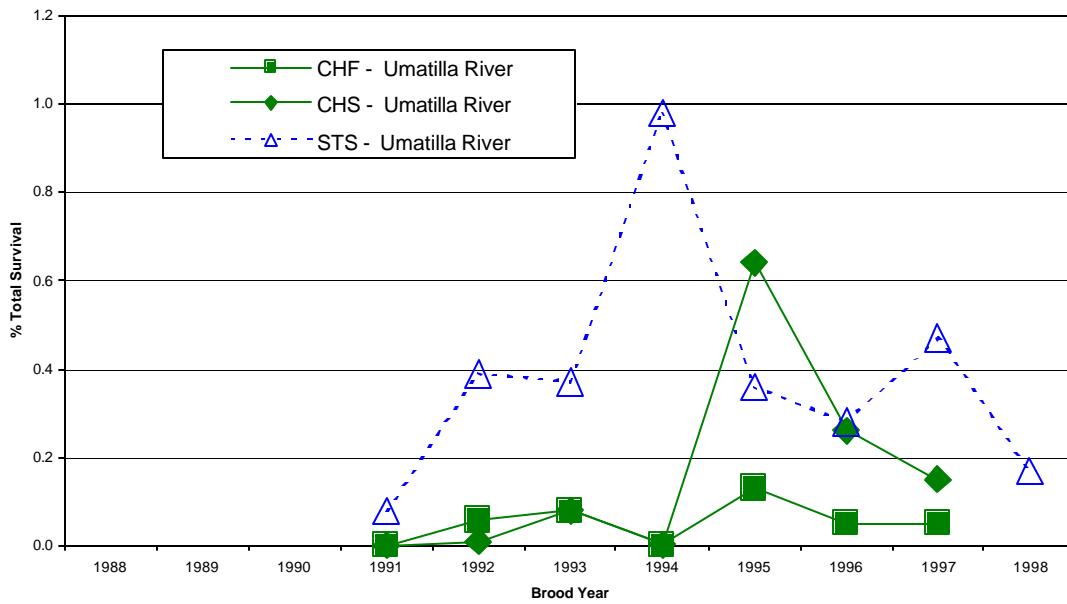


Figure 11. Percent survival by brood year for Umatilla Hatchery programs.

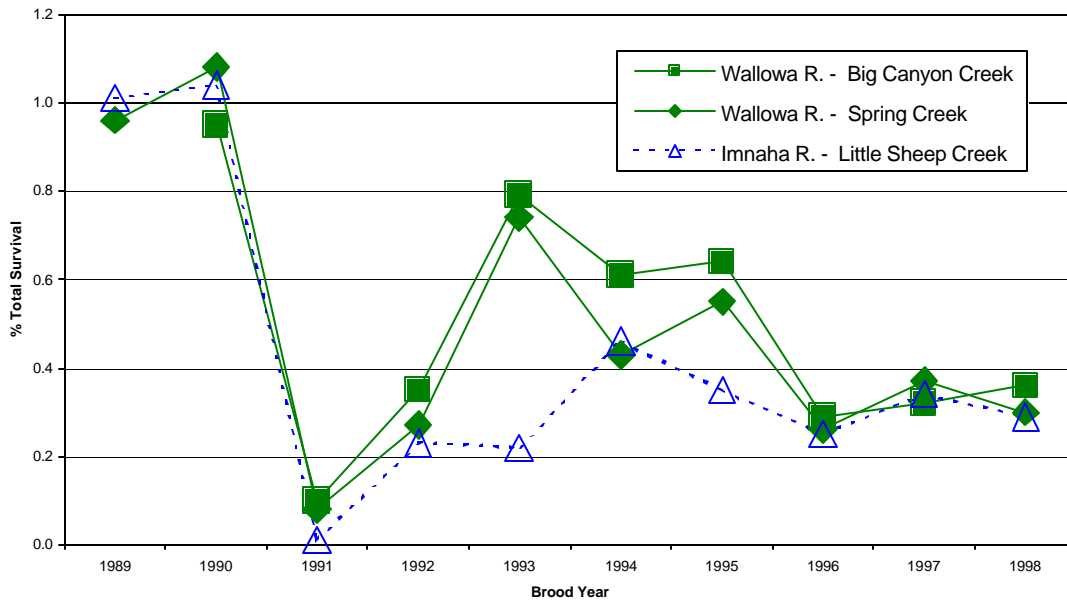


Figure 12. Percent survival by brood year for Irrigon and Wallowa hatchery summer steelhead programs.

The 1989 to 1998 brood years Imnaha River stock summer steelhead reared at Irrigon Hatchery and released in Little Sheep Creek averaged 0.42% percent survival, and ranged from 0.01% to 1.04% (Table 6). Survival was generally between 0.2% and

0.5% except for two years of survival over 1.0% followed 1 year at 0.01% (Figure 12). The very few ocean recoveries were in British Columbia fisheries (Appendix A). Freshwater recoveries were mainly hatchery returns, with catch accounting for 44% of the total average freshwater recoveries (Table 9).

Lookingglass Hatchery

Lookingglass Hatchery is located on Lookingglass Creek, a tributary to the Grande Ronde River north of Elgin. Lookingglass Hatchery rears and releases spring chinook salmon. In recent years Lookingglass Hatchery has begun a spring chinook captive broodstock program, based on wild fingerlings collected in the Grande Ronde Basin.

Percent survival of the 1988 to 1997 brood years of Rapid River stock spring chinook released in Lookingglass Creek averaged 0.16%, and ranged from 0.03% to 0.35% (Table 5). Survival peaked with the 1988 brood, was consistently 0.1% or below for 1990 to 1994 broods, then increased beginning with the 1995 brood year (Figure 13). The very few ocean recoveries were in Oregon fisheries (Appendix A). Hatchery returns accounted for 75% of the total average freshwater recoveries (Table 9).

Percent survival of the 1988 to 1997 brood years of Imnaha stock spring chinook released in Imnaha River averaged 0.14%, and ranged from 0.01% to 0.37% (Table 5). Survival peaked with the 1988 brood, was consistently 0.1% or below for 1990 to 1994 broods, then increased beginning with the 1995 brood (Figure 13). The very few ocean recoveries were in Washington and California fisheries (Appendix A). Freshwater recoveries were mainly hatchery returns, with recoveries on spawning grounds accounting for 21% of the total average freshwater recoveries (Table 9).

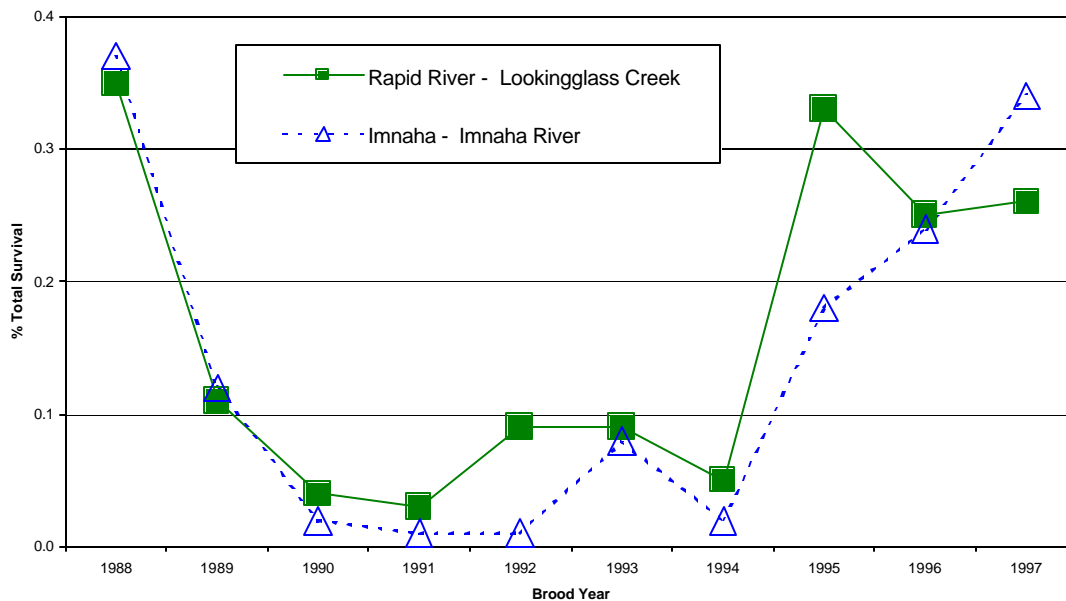


Figure 13. Percent survival by brood year for Lookingglass Hatchery spring chinook programs.

Wallowa Hatchery

Wallowa Hatchery is located on the Wallowa River near Enterprise. The Wallowa Hatchery rears and releases summer steelhead and rainbow trout. The rainbow trout have not been tagged for evaluation.

The 1990 to 1998 brood years Wallowa stock summer steelhead reared at Irrigon and Wallowa hatcheries and released in Big Canyon Creek averaged 0.49% survival, and ranged from 0.10% to 0.95 (Table 6). Survival was variable for the first 4 brood years (1990 to 1993), but has generally declined since the 1993 brood year (Figure 12). The 5 ocean recoveries were in British Columbia (4) and Oregon (1) fisheries (Appendix A). Freshwater recoveries were mainly in fisheries (sport and above Bonneville Dam gillnet catch), with hatchery returns accounting for 38% of the total average freshwater recoveries (Table 9).

The 1989 to 1998 brood years Wallowa stock summer steelhead reared at Irrigon, acclimated at Wallowa Hatchery and released in Spring Creek averaged 0.50% survival, and ranged from 0.08% to 1.08% (Table 6). Survival was variable for the 1989 through 1993 brood years, but has generally declined since the 1993 brood year (Figure 12). The very few ocean recoveries were in Alaska and British Columbia fisheries (Appendix A). Freshwater recoveries were mainly in fisheries (sport and above Bonneville Dam gillnet catch), with hatchery returns accounting for 38% of the total average freshwater recoveries (Table 9).

REFERENCES

- Blankenship, L. 1981. Coded-wire tag loss study. Washington Department of Fisheries, Technical Report No. 65, Olympia, Washington.
- Hankin, D.G. and S.M. Mohr. 1990. Determination of levels of coded-wire tagging needed to support time/area harvest management. Final contract report to Klamath River Technical Advisory Team.
- Jefferts, K.B., P.K. Bergman, and H.F. Fiscus. 1963. A coded-wire identification system for macro-organisms. *Nature* 198:460-462.
- Jenkinson, D.W., and H.T. Bilton. 1981. Additional guidelines to marking and coded wire tagging of juvenile salmon. Canadian Technical Report of Fisheries and Aquatic Sciences No. 1051. 24 pages.
- Northwest Power Planning Council (NPPC). 2000. Columbia basin fish and wildlife plan, a multi-species approach to decision making. Council Document 2000-19. Northwest Power Planning Council, Portland, Oregon.
- Pacific Salmon Commission (PSC). 1995. Hatchery methodology workshop. Held January 10th through 12th 1995, Seattle, Washington.
- Reisenbichler, R.R., and N.A. Hartmann. 1978. Effect of number of marked fish and years of repetition on precision in studies of contribution to a fishery. Oregon Department of Fish and Wildlife, Information Report 78-2, Portland, Oregon.
- Schroeder, R.K., K.R. Kenaston, and R.B. Lindsay. 2001. Spring chinook salmon in the Willamette and Sandy Rivers. Oregon Department of Fish and Wildlife, Annual Progress Report, Portland, Oregon.

APPENDIX A

Appendix Table A. Coded-wire-tagged salmon and steelhead released by ODFW in the Columbia Basin, release and recovery data. Chinook 1988-1997, steelhead 1989-1998, and coho 1990-1999 brood years. Stock sources: N = Native; H = Hatchery; M = Mixed. AK = Alaska, NCBC = North Central British Columbia, WCVI = West Coast Vancouver Island, GST = Georgia Strait, PS = Puget Sound, WA = Washington Coast, CA = California. Oregon ocean areas are displayed in Figure 1. URB = Columbia River Upriver Bright Stock

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | |
|------------------------|-------------|--------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----------------------|----|---|---|----|---------|---|----|------|
| Stock source (H, N, M) | | | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | |
| brood, tagcode | Stock | Release Site | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | |
| FALL CHINOOK SALMON | | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Creek (Tule): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1988 075009 | Big Creek | Big Cr | 04/17/89 | 53,481 | 1,952,443 | 3.07 | 0 | 0 | 16 | 0 | 0 | 15 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 22 | 13 | 0 | 0 | 0.13 |
| H | 1988 075010 | Big Creek | Big Cr | 04/17/89 | 53,019 | 1,951,687 | 3.07 | 0 | 5 | 17 | 0 | 3 | 8 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 11 | 12 | 0 | 0 | 0.12 |
| H | 1988 074335 | Big Creek | Big Cr | 04/28/89 | 53,000 | 657,699 | 3.88 | 0 | 2 | 11 | 0 | 0 | 16 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 12 | 9 | 0 | 0 | 0.10 |
| H | 1988 074521 | Big Creek | Big Cr | 04/28/89 | 52,782 | 657,465 | 3.88 | 0 | 0 | 15 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 7 | 0 | 0 | 0.07 |
| H | 1988 074337 | Big Creek | Big Cr | 05/08/89 | 51,707 | 2,678,130 | 5.82 | 0 | 0 | 25 | 0 | 9 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 31 | 25 | 0 | 0 | 0.20 |
| H | 1988 074336 | Big Creek | Big Cr | 05/08/89 | 52,027 | 2,678,586 | 5.83 | 0 | 0 | 16 | 0 | 4 | 47 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 50 | 14 | 0 | 0 | 0.25 |
| H | 1989 074256 | Big Creek | Big Cr | 04/20/90 | 26,506 | 897,812 | 4.82 | 0 | 0 | 4 | 0 | 0 | 14 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 13 | 4 | 0 | 0 | 0.14 |
| H | 1989 074255 | Big Creek | Big Cr | 04/20/90 | 27,059 | 460,645 | 4.88 | 0 | 0 | 17 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 7 | 0 | 0 | 0.20 |
| H | 1989 074259 | Big Creek | Big Cr | 05/05/90 | 27,201 | 2,734,370 | 6.02 | 0 | 0 | 8 | 0 | 0 | 23 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 8 | 10 | 0 | 0 | 0.21 |
| H | 1989 074261 | Big Creek | Big Cr | 05/11/90 | 27,502 | 3,234,064 | 5.84 | 3 | 2 | 6 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 1 | 0 | 0.11 |
| H | 1989 074759 | Big Creek | Big Cr | 05/31/90 | 26,698 | 604,487 | 8.10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.01 |
| H | 1989 074761 | Big Creek | Big Cr | 05/31/90 | 27,601 | 605,838 | 8.10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0.02 |
| H | 1989 074762 | Big Creek | Big Cr | 05/31/90 | 27,115 | 603,640 | 8.10 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0.03 |
| H | 1989 074901 | Big Creek | Big Cr | 05/31/90 | 26,907 | 605,980 | 8.10 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0.04 |
| H | 1990 074262 | Big Creek | Big Cr | 04/01/91 | 26,841 | 1,935,399 | 3.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0.01 |
| H | 1990 074401 | Big Creek | Big Cr | 04/07/91 | 25,732 | 1,923,163 | 3.13 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0.07 |
| H | 1990 075519 | Big Creek | Big Cr | 04/25/91 | 53,151 | 1,187,057 | 4.66 | 0 | 0 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 6 | 0 | 0 | 0.05 |
| H | 1990 075520 | Big Creek | Big Cr | 05/31/91 | 51,970 | 5,835,334 | 5.85 | 3 | 0 | 31 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 17 | 0 | 0 | 0.13 |
| H | 1991 074947 | Big Creek | Big Cr | 03/30/92 | 26,473 | 1,377,150 | 3.43 | 0 | 6 | 12 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 3 | 0 | 0 | 0.14 |
| H | 1991 074944 | Big Creek | Big Cr | 03/30/92 | 25,971 | 1,376,955 | 4.29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0.02 |
| H | 1991 075759 | Big Creek | Big Cr | 05/08/92 | 25,706 | 2,911,921 | 5.98 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 22 | 4 | 0 | 0 | 0.16 |
| H | 1991 075760 | Big Creek | Big Cr | 05/08/92 | 27,266 | 2,913,560 | 6.04 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 39 | 7 | 0 | 0 | 0.21 |
| H | 1992 076022 | Big Creek | Big Cr | 04/30/93 | 27,176 | 655,391 | 4.40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0.02 |
| H | 1992 076021 | Big Creek | Big Cr | 04/30/93 | 27,048 | 660,102 | 4.55 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 6 | 0 | 0 | 0.07 |
| H | 1992 076024 | Big Creek | Big Cr | 05/17/93 | 26,064 | 2,853,284 | 6.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 3 | 0 | 0 | 0.05 |
| H | 1992 076023 | Big Creek | Big Cr | 06/01/93 | 25,678 | 3,732,284 | 6.31 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 9 | 0 | 0 | 0.11 |
| H | 1993 070547 | Big Creek | Big Cr | 04/15/94 | 52,289 | 1,240,973 | 4.77 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 36 | 14 | 0 | 0 | 0.11 |
| H | 1993 070548 | Big Creek | Big Cr | 05/16/94 | 53,136 | 5,784,742 | 6.05 | 6 | 25 | 13 | 1 | 2 | 19 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 64 | 30 | 2 | 0 | 0.32 |
| H | 1994 070952 | Big Creek | Big Cr | 04/13/95 | 51,851 | 3,761,417 | 3.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 5 | 1 | 0 | 0.02 |
| H | 1994 076141 | Big Creek | Big Cr | 04/26/95 | 52,767 | 1,742,555 | 4.01 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 9 | 0 | 0 | 0.06 |
| H | 1994 076144 | Big Creek | Big Cr | 05/22/95 | 54,138 | 5,684,812 | 6.18 | 0 | 0 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 25 | 14 | 0 | 0 | 0.10 |
| H | 1995 070238 | Big Creek | Big Cr | 04/03/96 | 52,284 | 2,196,444 | 3.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 |
| H | 1995 071142 | Big Creek | Big Cr | 04/19/96 | 52,506 | 1,282,744 | 4.63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 10 | 0 | 0 | 0.04 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | % | | | |
|---------------------------------|-------------|--------------|--------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|----|----|-----|-----|----|-----------------------|----|-----|----|------|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Creek (Tule)(Continued): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1995 070550 | Big Creek | Big Cr | 05/10/96 | 52,273 | 5,991,604 | 5.88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | | |
| H | 1996 071251 | Big Creek | Big Cr | 05/15/97 | 217,574 | 5,961,118 | 5.98 | 0 | 0 | 79 | 0 | 2 | 23 | 2 | 2 | 7 | 2 | 0 | 4 | 39 | 231 | 43 | 0 | 0.20 | |
| H | 1997 092121 | Big Creek | Big Cr | 05/04/98 | 54,736 | 1,379,290 | 6.08 | 0 | 0 | 12 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 7 | 1 | 0 | 0.07 |
| H | 1997 092448 | Big Creek | Big Cr | 05/07/98 | 164,231 | 4,488,493 | 6.18 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 48 | 44 | 1 | 0 | 0.08 |
| Big Creek (Rogue): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1988 073346 | Rogue R | Big Cr | 05/23/89 | 10,923 | 10,970 | 6.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | |
| H | 1988 073540 | Rogue R | Big Cr | 05/23/89 | 10,402 | 10,446 | 6.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0.02 |
| H | 1988 074159 | Rogue R | Big Cr | 05/23/89 | 10,117 | 10,160 | 6.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0.05 |
| H | 1988 074160 | Rogue R | Big Cr | 05/23/89 | 10,261 | 10,305 | 6.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0.03 |
| H | 1988 074161 | Rogue R | Big Cr | 05/23/89 | 10,070 | 10,113 | 6.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0.05 |
| H | 1988 074162 | Rogue R | Big Cr | 08/21/89 | 10,409 | 10,440 | 35.43 | 0 | 0 | 5 | 6 | 0 | 22 | 5 | 10 | 38 | 31 | 0 | 6 | 14 | 62 | 49 | 0 | 0 | 2.38 |
| H | 1988 074163 | Rogue R | Big Cr | 08/21/89 | 10,779 | 10,811 | 35.43 | 0 | 0 | 15 | 0 | 0 | 8 | 3 | 20 | 40 | 15 | 6 | 6 | 10 | 27 | 27 | 0 | 0 | 1.66 |
| H | 1988 074201 | Rogue R | Big Cr | 08/21/89 | 10,556 | 10,588 | 35.43 | 0 | 0 | 16 | 4 | 0 | 13 | 2 | 10 | 34 | 10 | 3 | 8 | 12 | 63 | 23 | 1 | 0 | 1.89 |
| H | 1988 074202 | Rogue R | Big Cr | 08/21/89 | 10,808 | 10,840 | 35.43 | 0 | 0 | 10 | 0 | 0 | 20 | 0 | 11 | 20 | 42 | 6 | 4 | 8 | 43 | 42 | 2 | 0 | 1.94 |
| H | 1988 074203 | Rogue R | Big Cr | 08/21/89 | 9,914 | 9,944 | 35.43 | 0 | 0 | 0 | 0 | 0 | 22 | 2 | 7 | 35 | 13 | 0 | 6 | 11 | 50 | 42 | 0 | 0 | 1.90 |
| H | 1988 074204 | Rogue R | Big Cr | 08/21/89 | 10,452 | 10,483 | 35.43 | 0 | 2 | 4 | 4 | 0 | 14 | 3 | 7 | 24 | 23 | 0 | 2 | 8 | 40 | 29 | 1 | 0 | 1.87 |
| H | 1988 074205 | Rogue R | Big Cr | 08/21/89 | 10,300 | 10,331 | 35.43 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 5 | 16 | 22 | 3 | 3 | 8 | 69 | 48 | 1 | 0 | 1.79 |
| H | 1988 074206 | Rogue R | Big Cr | 08/21/89 | 9,635 | 9,664 | 35.43 | 0 | 2 | 24 | 0 | 0 | 16 | 14 | 17 | 34 | 35 | 2 | 2 | 15 | 61 | 42 | 0 | 0 | 2.76 |
| H | 1988 074207 | Rogue R | Big Cr | 08/21/89 | 10,382 | 10,413 | 35.43 | 0 | 0 | 4 | 0 | 0 | 41 | 0 | 11 | 52 | 20 | 3 | 7 | 8 | 36 | 32 | 0 | 0 | 2.06 |
| H | 1988 074208 | Rogue R | Big Cr | 08/21/89 | 10,326 | 10,357 | 35.43 | 0 | 0 | 10 | 0 | 0 | 20 | 2 | 10 | 50 | 34 | 6 | 16 | 14 | 60 | 37 | 0 | 0 | 2.51 |
| H | 1989 074338 | Rogue R | Big Cr | 06/05/90 | 10,067 | 27,703 | 7.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 5 | 4 | 0 | 0 | 0.23 |
| H | 1989 074339 | Rogue R | Big Cr | 06/05/90 | 10,132 | 27,770 | 7.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 3 | 5 | 3 | 0 | 0 | 0.19 |
| H | 1989 074340 | Rogue R | Big Cr | 06/05/90 | 10,040 | 27,676 | 7.31 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0.15 |
| H | 1989 074341 | Rogue R | Big Cr | 06/05/90 | 9,859 | 27,490 | 7.31 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.14 |
| H | 1989 074342 | Rogue R | Big Cr | 06/05/90 | 10,058 | 27,695 | 7.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 0.17 |
| H | 1989 074343 | Rogue R | Big Cr | 06/05/90 | 9,904 | 27,537 | 7.31 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 6 | 0 | 0 | 4 | 1 | 0 | 0 | 1 | 0 | 0.15 |
| H | 1989 074344 | Rogue R | Big Cr | 06/05/90 | 9,841 | 27,471 | 7.31 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 16 | 0 | 0 | 4 | 0 | 2 | 1 | 0 | 0 | 0.25 |
| H | 1989 074345 | Rogue R | Big Cr | 06/05/90 | 10,167 | 27,807 | 7.31 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 6 | 0 | 0 | 6 | 1 | 1 | 2 | 0 | 0 | 0.20 |
| H | 1989 074346 | Rogue R | Big Cr | 06/05/90 | 10,547 | 28,198 | 7.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0.06 |
| H | 1989 074511 | Rogue R | Big Cr | 08/17/90 | 10,176 | 22,184 | 31.28 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 0 | 62 | 3 | 0 | 0 | 10 | 23 | 33 | 4 | 0 | 1.40 |
| H | 1989 074512 | Rogue R | Big Cr | 08/17/90 | 10,387 | 22,397 | 31.28 | 0 | 0 | 3 | 0 | 0 | 15 | 4 | 5 | 100 | 3 | 0 | 0 | 15 | 28 | 24 | 1 | 0 | 1.91 |
| H | 1989 074513 | Rogue R | Big Cr | 08/17/90 | 10,561 | 22,574 | 31.28 | 0 | 0 | 3 | 3 | 0 | 16 | 2 | 10 | 90 | 3 | 0 | 2 | 7 | 44 | 44 | 1 | 0 | 2.13 |
| H | 1989 074514 | Rogue R | Big Cr | 08/17/90 | 10,583 | 22,596 | 31.28 | 0 | 3 | 5 | 0 | 0 | 22 | 0 | 3 | 98 | 0 | 0 | 10 | 12 | 49 | 31 | 1 | 0 | 2.21 |
| H | 1989 074515 | Rogue R | Big Cr | 08/17/90 | 10,392 | 22,402 | 31.28 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 4 | 97 | 9 | 0 | 10 | 14 | 45 | 35 | 3 | 0 | 2.40 |
| H | 1989 074516 | Rogue R | Big Cr | 08/17/90 | 9,977 | 21,982 | 31.28 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 63 | 2 | 0 | 6 | 12 | 32 | 17 | 3 | 0 | 1.49 |
| H | 1990 075650 | Rogue R | Big Cr | 07/05/91 | 51,183 | 249,042 | 12.22 | 0 | 0 | 0 | 0 | 0 | 15 | 3 | 0 | 44 | 7 | 0 | 6 | 24 | 39 | 35 | 6 | 0 | 0.35 |
| H | 1990 075651 | Rogue R | Big Cr | 08/12/91 | 50,783 | 300,645 | 25.06 | 0 | 0 | 0 | 0 | 0 | 20 | 4 | 0 | 83 | 0 | 0 | 5 | 39 | 96 | 93 | 16 | 0 | 0.70 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-------------|--------------|------------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|----|----|-----|-----------------------|----|----|----|-----|---------|-----|----|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Creek (Rogue)(Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 075652 | Rogue R | Big Cr | 08/23/91 | 51,043 | 236,247 | 35.71 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 7 | 0 | 214 | 0 | 3 | 14 | 51 | 147 | 183 | 22 | 0 | 1.33 |
| H | 1991 075716 | Rogue R | Big Cr | 08/06/92 | 52,014 | 217,625 | 20.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 10 | 10 | 43 | 66 | 0 | 0 | 0.26 | |
| H | 1991 075717 | Rogue R | Big Cr | 08/14/92 | 52,017 | 297,258 | 23.70 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 15 | 9 | 74 | 108 | 2 | 0 | 0.45 | |
| H | 1991 075653 | Rogue R | Big Cr | 08/26/92 | 51,786 | 248,504 | 30.60 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 39 | 0 | 0 | 2 | 19 | 125 | 208 | 3 | 0 | 0.80 | |
| H | 1992 075737 | Rogue R | Big Cr | 08/25/93 | 51,797 | 242,691 | 27.82 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 14 | 177 | 9 | 4 | 51 | 45 | 271 | 181 | 11 | 0 | 1.51 | |
| H | 1992 070232 | Rogue R | Big Cr | 08/25/93 | 52,453 | 202,027 | 27.99 | 0 | 0 | 0 | 3 | 0 | 11 | 0 | 28 | 204 | 23 | 3 | 27 | 44 | 274 | 197 | 16 | 0 | 1.61 | |
| H | 1993 070755 | Rogue R | Big Cr | 08/04/94 | 54,731 | 553,793 | 23.97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 11 | 3 | 14 | 45 | 74 | 104 | 5 | 0 | 0.56 | |
| H | 1993 070756 | Rogue R | Big Cr | 08/22/94 | 54,317 | 250,878 | 29.82 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 89 | 12 | 0 | 36 | 53 | 69 | 119 | 4 | 0 | 0.71 | |
| H | 1994 070540 | Rogue R | Big Cr | 08/11/95 | 26,051 | 166,503 | 22.10 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 20 | 16 | 0 | 0 | 5 | 21 | 27 | 1 | 0 | 0.37 | |
| H | 1994 070541 | Rogue R | Big Cr | 08/11/95 | 26,215 | 166,707 | 22.21 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 6 | 0 | 0 | 5 | 19 | 27 | 9 | 0 | 0.34 | |
| H | 1994 070542 | Rogue R | Big Cr | 08/29/95 | 26,881 | 175,032 | 29.41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 2 | 0 | 0 | 0 | 20 | 44 | 2 | 0 | 0.35 | |
| H | 1994 070543 | Rogue R | Big Cr | 08/30/95 | 26,178 | 500,356 | 29.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 23 | 9 | 0 | 0 | 6 | 12 | 18 | 4 | 0 | 0.29 | |
| H | 1995 071352 | Rogue R | Big Cr | 08/26/96 | 26,791 | 521,952 | 31.72 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 8 | 0 | 0 | 1 | 9 | 19 | 0 | 0 | 0.17 | |
| H | 1995 071353 | Rogue R | Klaskanine R, NF | 07/31/96 | 25,322 | 26,178 | 20.43 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 4 | 0 | 0 | 1 | 19 | 23 | 1 | 0 | 0.20 | |
| Bonneville (Tule): | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1991 075757 | Big Creek | Big Cr | 04/16/92 | 26,987 | 612,087 | 4.77 | 0 | 0 | 18 | 0 | 9 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 1 | 34 | 10 | 0 | 0 | 0.33 | |
| H | 1991 075758 | Big Creek | Big Cr | 04/16/92 | 27,598 | 613,253 | 5.06 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 31 | 6 | 0 | 0 | 0.20 | |
| H | 1988 074958 | Tanner Cr | Tanner Cr | 03/20/89 | 52,727 | 898,818 | 3.35 | 0 | 0 | 22 | 0 | 8 | 18 | 0 | 0 | 11 | 0 | 3 | 0 | 5 | 38 | 10 | 0 | 0 | 0.22 | |
| H | 1988 074960 | Tanner Cr | Tanner Cr | 03/20/89 | 52,981 | 895,229 | 3.35 | 0 | 2 | 7 | 0 | 8 | 6 | 0 | 0 | 2 | 0 | 0 | 6 | 40 | 7 | 0 | 0 | 0 | 0.15 | |
| H | 1988 074963 | Tanner Cr | Tanner Cr | 04/13/89 | 51,181 | 623,609 | 4.48 | 0 | 1 | 10 | 0 | 0 | 6 | 0 | 0 | 2 | 0 | 0 | 2 | 27 | 8 | 0 | 0 | 0 | 0.11 | |
| H | 1988 075003 | Tanner Cr | Tanner Cr | 04/13/89 | 52,242 | 622,985 | 4.48 | 0 | 0 | 26 | 0 | 2 | 9 | 0 | 0 | 3 | 0 | 0 | 4 | 24 | 10 | 0 | 0 | 0 | 0.15 | |
| H | 1988 075005 | Tanner Cr | Tanner Cr | 05/02/89 | 53,773 | 4,308,420 | 5.99 | 0 | 0 | 25 | 0 | 35 | 21 | 0 | 0 | 3 | 5 | 0 | 0 | 1 | 46 | 12 | 0 | 0 | 0.28 | |
| H | 1988 075006 | Tanner Cr | Tanner Cr | 05/02/89 | 53,384 | 4,288,951 | 5.99 | 0 | 0 | 11 | 3 | 0 | 36 | 0 | 2 | 1 | 3 | 0 | 0 | 6 | 31 | 8 | 1 | 0 | 0.19 | |
| H | 1989 074252 | Tanner Cr | Tanner Cr | 05/07/90 | 26,112 | 2,010,023 | 5.32 | 0 | 0 | 13 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 1 | 0 | 0.12 | |
| H | 1989 074755 | Tanner Cr | Tanner Cr | 05/07/90 | 26,768 | 308,610 | 5.60 | 0 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0.07 | |
| H | 1989 074756 | Tanner Cr | Tanner Cr | 05/07/90 | 26,936 | 328,373 | 5.61 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 5 | 1 | 1 | 0 | 0.06 | |
| H | 1989 074250 | Tanner Cr | Tanner Cr | 05/07/90 | 25,922 | 2,236,864 | 5.65 | 0 | 0 | 18 | 0 | 8 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 10 | 0 | 0 | 0.22 | |
| H | 1989 074747 | Tanner Cr | Tanner Cr | 05/07/90 | 27,046 | 715,324 | 6.89 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 7 | 0 | 0 | 0.10 | |
| H | 1989 074750 | Tanner Cr | Tanner Cr | 05/07/90 | 27,354 | 379,804 | 7.16 | 0 | 0 | 3 | 0 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 2 | 0 | 0 | 0.11 | |
| H | 1989 074749 | Tanner Cr | Tanner Cr | 05/07/90 | 26,755 | 396,836 | 7.53 | 0 | 0 | 12 | 0 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 5 | 0 | 0 | 0.16 | |
| H | 1989 074752 | Tanner Cr | Tanner Cr | 05/07/90 | 27,192 | 378,363 | 7.73 | 0 | 0 | 8 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 4 | 0 | 0 | 0.11 | |
| H | 1990 074402 | Tanner Cr | Tanner Cr | 05/10/91 | 25,336 | 1,143,105 | 6.02 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 0 | 0.04 | |
| H | 1990 074404 | Tanner Cr | Tanner Cr | 05/10/91 | 24,634 | 1,143,104 | 6.36 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 0 | 0 | 0.08 | |
| H | 1990 074407 | Big Creek | Tanner Cr | 05/24/91 | 25,382 | 1,290,411 | 8.04 | 0 | 0 | 24 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 12 | 6 | 0 | 0 | 0.23 | |
| H | 1990 074408 | Big Creek | Tanner Cr | 05/24/91 | 24,976 | 1,290,410 | 8.06 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 9 | 1 | 0 | 0.10 | |
| H | 1991 075753 | Big Creek | Tanner Cr | 05/01/92 | 26,705 | 2,151,279 | 6.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0.02 | |
| H | 1991 075754 | Big Creek | Tanner Cr | 05/01/92 | 26,461 | 2,151,278 | 6.54 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0.03 | |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | % | | | |
|---------------------------------|-------------|----------------|------------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----------------------|----|-----|-----|----|-------|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | Surv. | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | |
| Bonneville (Tule) (Continued): | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1991 075755 | Big Creek | Tanner Cr | 05/14/92 | 26,564 | 1,727,639 | 6.65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0.02 | |
| H | 1991 075756 | Big Creek | Tanner Cr | 05/14/92 | 26,875 | 1,727,639 | 6.65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0.06 |
| H | 1992 071537 | Tanner Cr | Tanner Cr | 05/19/93 | 26,861 | 535,948 | 7.96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 075942 | Tanner Cr | Tanner Cr | 06/01/93 | 53,487 | 5,028,917 | 6.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 1 | 1 | 0 | 0.03 | |
| H | 1992 076020 | Tanner Cr | Tanner Cr | 06/11/93 | 26,953 | 1,017,412 | 7.24 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0.04 | |
| H | 1993 076143 | Tanner Cr | Tanner Cr | 05/19/94 | 52,175 | 5,866,287 | 6.85 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 9 | 0 | 0 | 0.05 | |
| H | 1994 070120 | Tule (WA) | Tanner Cr | 03/15/95 | 27,155 | 1,751,566 | 3.24 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0.03 | |
| H | 1994 070561 | Tanner Cr | Tanner Cr | 03/15/95 | 25,204 | 382,376 | 3.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0.01 | |
| H | 1994 070121 | Tule (WA) | Tanner Cr | 04/14/95 | 26,824 | 3,567,065 | 4.80 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 4 | 0 | 0 | 0.06 | |
| H | 1994 070562 | Tanner Cr | Tanner Cr | 04/14/95 | 26,944 | 505,966 | 5.00 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0.01 | |
| H | 1994 070560 | Tanner Cr | Tanner Cr | 05/15/95 | 26,197 | 248,819 | 5.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.02 | |
| H | 1994 070122 | Tule (WA) | Tanner Cr | 05/15/95 | 26,747 | 1,784,239 | 6.03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0.02 | |
| H | 1995 071155 | Tule (WA) | Tanner Cr | 03/15/96 | 26,090 | 940,053 | 2.99 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0.03 | |
| H | 1995 070544 | Tanner Cr | Tanner Cr | 03/15/96 | 27,454 | 882,260 | 3.41 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0.02 | |
| H | 1995 072925 | Tule (WA) | Tanner Cr | 04/15/96 | 23,737 | 1,895,407 | 4.67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0.02 | |
| H | 1995 071144 | Tanner Cr | Tanner Cr | 04/15/96 | 26,991 | 1,858,378 | 5.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0.03 | |
| H | 1995 074731 | Tule (WA) | Tanner Cr | 05/15/96 | 26,012 | 984,415 | 6.30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1995 070545 | Tanner Cr | Tanner Cr | 05/15/96 | 26,765 | 991,075 | 6.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0.02 | |
| Bonneville (URB): | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 1988 075034 | Columbia (URB) | Mid-Columbia R | 06/26/89 | 50,127 | 50,379 | 7.35 | 8 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 16 | 14 | 0 | 0.12 | |
| M | 1988 075036 | Columbia (URB) | Mid-Columbia R | 06/26/89 | 50,923 | 51,179 | 7.35 | 3 | 3 | 25 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 | 24 | 32 | 9 | 0 | 0.20 | |
| M | 1989 075406 | Columbia (URB) | Mid-Columbia R | 07/02/90 | 46,470 | 49,743 | 6.41 | 18 | 15 | 15 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 17 | 8 | 27 | 10 | 2 | 0.25 | |
| M | 1989 075407 | Columbia (URB) | Mid-Columbia R | 07/02/90 | 46,657 | 49,943 | 6.41 | 43 | 24 | 44 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 12 | 16 | 27 | 21 | 2 | 0.41 | |
| H | 1990 074649 | Columbia (URB) | Mid-Columbia R | 06/27/91 | 94,213 | 423,744 | 7.31 | 31 | 22 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 50 | 23 | 0 | 0.16 | |
| H | 1990 075654 | Columbia (URB) | Mid-Columbia R | 06/28/91 | 96,358 | 424,944 | 7.50 | 32 | 16 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 52 | 39 | 0 | 0.18 | |
| H | 1993 070816 | Columbia (URB) | Ringold Pnd (WA) | 07/04/94 | 208,105 | 792,077 | 8.25 | 67 | 66 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 26 | 208 | 231 | 83 | 1 | 0.33 | |
| H | 1993 070817 | Columbia (URB) | Ringold Pnd (WA) | 07/06/94 | 217,184 | 3,466,415 | 8.32 | 64 | 38 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 156 | 215 | 56 | 1 | 0.26 | |
| M | 1988 075030 | Columbia (URB) | Tanner Cr | 06/26/89 | 50,424 | 51,192 | 6.66 | 0 | 6 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 6 | 6 | 22 | 4 | 0 | 0.11 | |
| M | 1988 075033 | Columbia (URB) | Tanner Cr | 06/26/89 | 49,742 | 50,500 | 6.66 | 9 | 18 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 15 | 16 | 5 | 1 | 0.15 | |
| M | 1989 075408 | Columbia (URB) | Tanner Cr | 07/02/90 | 49,100 | 49,727 | 6.26 | 26 | 15 | 9 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 13 | 32 | 14 | 1 | 0.24 | |
| M | 1989 075409 | Columbia (URB) | Tanner Cr | 07/02/90 | 49,282 | 49,911 | 6.26 | 54 | 11 | 13 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 11 | 22 | 11 | 0 | 0.26 | |
| H | 1990 071416 | Columbia (URB) | Tanner Cr | 06/27/91 | 96,085 | 117,011 | 7.51 | 16 | 17 | 7 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 51 | 24 | 0 | 0.14 | |
| H | 1990 071417 | Columbia (URB) | Tanner Cr | 06/28/91 | 98,211 | 119,120 | 7.42 | 31 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 35 | 33 | 1 | 0.13 | |
| H | 1990 075521 | Columbia (URB) | Tanner Cr | 07/22/91 | 52,810 | 4,631,842 | 9.55 | 19 | 20 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 6 | 55 | 43 | 2 | 0.30 | |
| H | 1991 076112 | Columbia (URB) | Tanner Cr | 07/15/92 | 35,162 | 1,051,028 | 9.05 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 6 | 1 | 0.07 | |
| H | 1991 076110 | Columbia (URB) | Tanner Cr | 07/15/92 | 35,219 | 1,051,028 | 9.20 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 7 | 0 | 0.05 | |
| H | 1991 076109 | Columbia (URB) | Tanner Cr | 07/15/92 | 31,782 | 1,051,028 | 9.29 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0.07 | |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | | |
|---------------------------------|-------------|----------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|----|-----|-----|----|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bonneville (URB) (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1992 070433 | Columbia (URB) | Tanner Cr | 07/21/93 | 97,104 | 4,030,615 | 9.00 | 47 | 7 | 15 | 0 | 0 | 6 | 0 | 0 | 8 | 0 | 0 | 0 | 34 | 69 | 143 | 22 | 2 | 0.36 |
| H | 1993 075814 | Columbia (URB) | Tanner Cr | 06/14/94 | 49,055 | 794,970 | 6.76 | 37 | 18 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 48 | 64 | 22 | 0 | 0.41 |
| H | 1993 075815 | Columbia (URB) | Tanner Cr | 06/14/94 | 50,112 | 795,198 | 6.95 | 45 | 16 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 14 | 62 | 80 | 31 | 0 | 0.51 |
| H | 1993 074954 | Columbia (URB) | Tanner Cr | 07/28/94 | 53,174 | 2,071,787 | 9.28 | 49 | 22 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 47 | 95 | 29 | 0 | 0.49 |
| H | 1993 075816 | Columbia (URB) | Tanner Cr | 07/28/94 | 51,593 | 2,071,787 | 9.28 | 51 | 32 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 57 | 99 | 24 | 3 | 0.56 |
| H | 1994 070820 | Columbia (URB) | Tanner Cr | 06/01/95 | 53,726 | 757,624 | 5.04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 1 | 0 | 0.01 |
| H | 1994 070926 | Columbia (URB) | Tanner Cr | 06/01/95 | 49,768 | 418,179 | 5.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 | 0 | 0.02 |
| H | 1994 070819 | Columbia (URB) | Tanner Cr | 06/01/95 | 53,472 | 419,015 | 5.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0.01 |
| H | 1994 076361 | Columbia (URB) | Tanner Cr | 07/24/95 | 76,816 | 4,886,853 | 9.27 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 13 | 8 | 0 | 0.06 |
| H | 1995 070921 | Columbia (URB) | Tanner Cr | 06/12/96 | 53,525 | 428,887 | 5.45 | 34 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 40 | 25 | 2 | 0.23 |
| H | 1995 070927 | Columbia (URB) | Tanner Cr | 06/12/96 | 53,281 | 428,888 | 5.67 | 56 | 12 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | 64 | 33 | 5 | 0.36 |
| H | 1995 071154 | Columbia (URB) | Tanner Cr | 06/12/96 | 53,223 | 428,887 | 5.67 | 71 | 11 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 82 | 51 | 3 | 0.46 |
| H | 1995 091712 | Columbia (URB) | Tanner Cr | 07/31/96 | 79,953 | 4,893,902 | 10.00 | 39 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 45 | 30 | 0 | 0.17 |
| H | 1996 092118 | Columbia (URB) | Tanner Cr | 06/03/97 | 52,693 | 502,638 | 2.90 | 14 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 12 | 0 | 0 | 0.08 |
| H | 1996 092119 | Columbia (URB) | Tanner Cr | 07/31/97 | 53,506 | 6,577,692 | 8.14 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 0.02 |
| H | 1997 092440 | Columbia (URB) | Tanner Cr | 06/01/98 | 55,960 | 575,204 | 5.04 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 5 | 4 | 0 | 0.03 |
| H | 1997 092122 | Columbia (URB) | Tanner Cr | 07/30/98 | 58,536 | 5,775,615 | 9.20 | 25 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 5 | 23 | 115 | 6 | 0 | 0.31 |
| H | 1990 075618 | Columbia (URB) | Umatilla R | 03/17/92 | 26,178 | 97,801 | 60.47 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 |
| H | 1990 075619 | Columbia (URB) | Umatilla R | 03/19/92 | 26,160 | 122,639 | 60.47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0.02 |
| H | 1991 071460 | Columbia (URB) | Umatilla R | 03/18/93 | 23,863 | 68,492 | 49.84 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 0.03 |
| H | 1991 071461 | Columbia (URB) | Umatilla R | 03/18/93 | 23,239 | 66,345 | 52.14 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 1 | 0.06 |
| H | 1992 070255 | Columbia (URB) | Umatilla R | 03/23/94 | 23,699 | 233,629 | 43.61 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 34 | 13 | 12 | 1 | 0 | 0.29 |
| H | 1992 070252 | Columbia (URB) | Umatilla R | 04/19/94 | 23,470 | 49,824 | 53.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 12 | 1 | 0 | 0 | 0.12 |
| H | 1993 070659 | Columbia (URB) | Umatilla R | 04/07/95 | 24,374 | 115,271 | 55.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 2 | 0 | 0.12 |
| H | 1993 070658 | Columbia (URB) | Umatilla R | 04/07/95 | 24,865 | 111,817 | 58.08 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 5 | 2 | 2 | 0 | 0.25 |
| H | 1994 071037 | Columbia (URB) | Umatilla R | 04/05/96 | 27,397 | 204,022 | 64.70 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 2 | 15 | 0 | 0 | 0.28 |
| H | 1994 071038 | Columbia (URB) | Umatilla R | 04/18/96 | 28,521 | 217,294 | 64.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 1 | 12 | 3 | 0 | 0.13 |
| H | 1996 092037 | Columbia (URB) | Umatilla R | 03/13/98 | 27,402 | 256,910 | 42.00 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 14 | 18 | 0 | 0.15 |
| H | 1997 092651 | Columbia (URB) | Umatilla R | 03/11/99 | 24,693 | 26,070 | 48.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1997 092652 | Columbia (URB) | Umatilla R | 04/15/99 | 24,918 | 26,124 | 49.79 | 3 | 1 | 0 | 0 | 0 | 3 | 4 | 0 | 3 | 0 | 0 | 0 | 18 | 3 | 17 | 5 | 0 | 0.23 |
| CEDC Fisheries (URB): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1995 091711 | Columbia (URB) | Tongue Point | 07/15/96 | 46,186 | 97,866 | 16.79 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 120 | 2 | 0 | 0.30 | |
| H | 1996 092137 | Columbia (URB) | Tongue Point | 07/15/97 | 51,897 | 201,849 | 18.82 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 38 | 4 | 2 | 0 | 0.10 |
| H | 1994 071235 | Columbia (URB) | Youngs R | 07/18/95 | 50,608 | 199,088 | 19.45 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0.02 |
| H | 1997 092515 | Columbia (URB) | Youngs R | 07/01/98 | 27,305 | 205,544 | 12.23 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.01 |
| H | 1997 092516 | Columbia (URB) | Youngs R | 07/06/98 | 26,744 | 424,252 | 10.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 | 0 | 0.03 |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | | | | | |
|---------------------------------|-------------|----------------|---------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|---|----|----|-----|-----------------------|----|----|-----|-----|----|----|------|------|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | Freshwater Recoveries | | | | | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | | | |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CEDC Fisheries (Rogue): | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1995 071351 | Rogue R | Blind Slough | 07/15/96 | 27,231 | 27,380 | 22.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 3 | 2 | 47 | 141 | 6 | 0 | 0.78 |
| H | 1996 092145 | Rogue R | Blind Slough | 07/17/97 | 27,413 | 27,413 | 14.37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 7 | 4 | 0 | 0 | 0.07 |
| H | 1995 071350 | Rogue R | Tongue Point | 07/15/96 | 26,354 | 26,792 | 20.60 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 2 | 0 | 0 | 0 | 3 | 34 | 22 | 2 | 0 | 0 | 0.27 | |
| H | 1996 092146 | Rogue R | Tongue Point | 07/17/97 | 27,427 | 27,482 | 18.82 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 3 | 3 | 0 | 0 | 1 | 8 | 18 | 0 | 0 | 0 | 0 | 0.14 | |
| H | 1989 074639 | Rogue R | Youngs R | 08/01/90 | 9,896 | 25,606 | 13.83 | 0 | 0 | 6 | 0 | 0 | 2 | 0 | 0 | 51 | 0 | 0 | 0 | 2 | 37 | 30 | 4 | 0 | 0 | 1.33 | | |
| H | 1989 074640 | Rogue R | Youngs R | 08/01/90 | 9,884 | 25,568 | 13.83 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 50 | 0 | 0 | 0 | 11 | 24 | 42 | 0 | 0 | 0 | 1.35 | | |
| H | 1989 074641 | Rogue R | Youngs R | 08/01/90 | 10,404 | 25,529 | 13.83 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 4 | 31 | 9 | 0 | 0 | 5 | 11 | 27 | 1 | 0 | 0 | 0.94 | | |
| H | 1989 074642 | Rogue R | Youngs R | 08/01/90 | 9,699 | 25,095 | 13.83 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 54 | 3 | 0 | 8 | 12 | 28 | 40 | 0 | 0 | 0 | 1.55 | | |
| H | 1989 074643 | Rogue R | Youngs R | 08/01/90 | 10,453 | 25,913 | 13.83 | 0 | 0 | 7 | 0 | 0 | 6 | 9 | 3 | 67 | 0 | 0 | 5 | 7 | 37 | 37 | 0 | 0 | 0 | 1.70 | | |
| H | 1991 071427 | Rogue R | Youngs R | 08/03/92 | 25,467 | 56,467 | 33.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 12 | 15 | 0 | 0 | 0 | 0.15 | | |
| H | 1993 070757 | Rogue R | Youngs R | 07/20/94 | 25,351 | 337,915 | 22.43 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 48 | 4 | 3 | 26 | 38 | 77 | 94 | 5 | 0 | 0 | 1.18 | | |
| H | 1994 070742 | Rogue R | Youngs R | 06/27/95 | 49,826 | 107,892 | 24.87 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 7 | 6 | 0 | 8 | 6 | 62 | 37 | 5 | 0 | 0 | 0.27 | | |
| H | 1994 071421 | Rogue R | Youngs R | 07/17/95 | 19,514 | 707,127 | 11.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0.04 | | |
| H | 1994 070931 | Rogue R | Youngs R | 07/18/95 | 42,854 | 115,702 | 32.82 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 18 | 10 | 6 | 0 | 3 | 37 | 42 | 1 | 0 | 0 | 0.28 | | |
| H | 1994 070928 | Rogue R | Youngs R | 07/18/95 | 49,657 | 77,100 | 33.30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 2 | 0 | 5 | 9 | 27 | 35 | 3 | 0 | 0 | 0.22 | | |
| H | 1994 070930 | Rogue R | Youngs R | 07/18/95 | 44,123 | 127,936 | 38.37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 51 | 10 | 3 | 5 | 15 | 97 | 57 | 1 | 0 | 0 | 0.55 | | |
| H | 1994 070929 | Rogue R | Youngs R | 07/18/95 | 43,518 | 116,030 | 41.54 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 8 | 0 | 3 | 10 | 89 | 57 | 11 | 0 | 0 | 0.51 | | |
| H | 1995 071341 | Rogue R | Youngs R | 07/16/96 | 45,148 | 154,593 | 31.48 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 6 | 5 | 43 | 68 | 6 | 0 | 0 | 0.30 | | |
| H | 1995 071342 | Rogue R | Youngs R | 07/16/96 | 57,523 | 64,679 | 34.86 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 4 | 21 | 15 | 0 | 3 | 8 | 131 | 184 | 8 | 0 | 0 | 0.67 | | |
| H | 1995 071354 | Rogue R | Youngs R | 07/17/96 | 26,934 | 329,976 | 14.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 10 | 13 | 0 | 0 | 0 | 0.12 | | |
| H | 1996 071339 | Rogue R | Youngs R | 06/17/97 | 52,956 | 53,442 | 11.93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 6 | 36 | 18 | 0 | 0 | 0 | 0.15 | | |
| H | 1996 092136 | Rogue R | Youngs R | 07/17/97 | 52,468 | 116,680 | 21.19 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 60 | 14 | 0 | 0 | 0 | 0.15 | | |
| H | 1996 071340 | Rogue R | Youngs R | 07/17/97 | 52,618 | 53,765 | 24.65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 16 | 0 | 0 | 0 | 0.05 | | |
| H | 1996 071338 | Rogue R | Youngs R | 07/17/97 | 50,371 | 50,868 | 25.06 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 6 | 0 | 0 | 0 | 0.04 | | |
| H | 1996 092135 | Rogue R | Youngs R | 07/17/97 | 51,270 | 188,948 | 25.34 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 | 13 | 1 | 0 | 0 | 0.08 | | |
| Hanford Reach Net Pens: | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1993 070818 | Columbia (URB) | Hanford Reach | 06/17/94 | 479,106 | 496,746 | 7.28 | 93 | 42 | 7 | 0 | 0 | 2 | 0 | 0 | 9 | 0 | 0 | 0 | 58 | 287 | 270 | 95 | 2 | 0 | 0.18 | | |
| Irrigon: | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 1988 074646 | Washington URB | Umatilla R | 05/16/89 | 52,228 | 797,904 | 6.05 | 14 | 4 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 17 | 2 | 0 | 0 | 0.12 | | | |
| M | 1988 074647 | Washington URB | Umatilla R | 05/16/89 | 49,771 | 797,903 | 6.05 | 7 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 13 | 11 | 0 | 0 | 0.13 | | | |
| M | 1988 074648 | Washington URB | Umatilla R | 05/16/89 | 52,244 | 797,903 | 6.05 | 7 | 9 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 7 | 5 | 0 | 0 | 0.10 | | | |
| H | 1988 074758 | Washington URB | Umatilla R | 10/18/89 | 26,790 | 27,071 | 41.23 | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 5 | 1 | 0 | 0.10 | | | |
| H | 1988 074760 | Washington URB | Umatilla R | 10/18/89 | 24,285 | 25,428 | 41.23 | 3 | 7 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 1 | 0 | 0 | 0.09 | | | |
| H | 1988 074763 | Washington URB | Umatilla R | 10/18/89 | 25,350 | 25,633 | 41.23 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0.07 | | | |
| H | 1988 074753 | Washington URB | Umatilla R | 10/18/89 | 26,358 | 26,770 | 41.61 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 4 | 7 | 6 | 1 | 0 | 0.12 | | | |
| H | 1988 074754 | Washington URB | Umatilla R | 10/18/89 | 25,028 | 26,617 | 41.61 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 3 | 5 | 0 | 0 | 0.10 | | | |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | | | | | | | |
|---------------------------------|-------------|----------------|------------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|---|----|----|---|----|---|----|----|----|---|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | | | | | |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Irrigon (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1988 074757 | Washington URB | Umatilla R | 10/18/89 | 25,438 | 25,438 | 41.61 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 8 | 1 | 0 | 0.07 |
| M | 1989 075403 | Columbia (URB) | Umatilla R | 05/23/90 | 52,612 | 131,101 | 4.77 | 8 | 25 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 84 | 14 | 0 | 0.30 |
| M | 1989 075404 | Columbia (URB) | Umatilla R | 05/23/90 | 53,160 | 131,100 | 4.77 | 8 | 14 | 19 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 6 | 52 | 11 | 1 | 0.23 |
| M | 1989 075405 | Columbia (URB) | Umatilla R | 05/23/90 | 53,248 | 131,099 | 4.77 | 9 | 16 | 9 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 26 | 5 | 0 | 0.16 |
| H | 1989 075325 | Columbia (URB) | Umatilla R | 10/16/90 | 23,396 | 25,311 | 49.30 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0.03 |
| H | 1989 075326 | Columbia (URB) | Umatilla R | 10/16/90 | 21,929 | 23,724 | 49.30 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 1 | 0 | 0.11 |
| H | 1989 075327 | Columbia (URB) | Umatilla R | 10/16/90 | 21,101 | 22,828 | 49.30 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 1 | 0 | 0.06 |
| H | 1989 075322 | Columbia (URB) | Umatilla R | 10/16/90 | 23,413 | 25,472 | 51.54 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 0 | 0.05 |
| H | 1989 075323 | Columbia (URB) | Umatilla R | 10/16/90 | 23,617 | 25,694 | 51.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.00 |
| H | 1989 075324 | Columbia (URB) | Umatilla R | 10/16/90 | 23,420 | 25,480 | 51.54 | 0 | 4 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0.07 |
| H | 1990 075225 | Columbia (URB) | Umatilla R | 05/08/91 | 52,252 | 1,343,311 | 5.53 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 23 | 10 | 0 | 0.10 |
| H | 1990 075226 | Columbia (URB) | Umatilla R | 05/08/91 | 51,728 | 1,343,042 | 5.53 | 13 | 3 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 10 | 0 | 0.10 |
| H | 1990 075450 | Columbia (URB) | Umatilla R | 05/08/91 | 51,814 | 52,326 | 5.53 | 12 | 29 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 38 | 26 | 0 | 0.25 |
| H | 1990 075451 | Columbia (URB) | Umatilla R | 05/08/91 | 52,444 | 52,706 | 5.53 | 22 | 11 | 36 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 28 | 7 | 0 | 0.23 |
| H | 1990 070016 | Columbia (URB) | Umatilla R | 05/10/91 | 48,301 | 99,225 | 6.21 | 29 | 7 | 14 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 28 | 10 | 1 | 0.22 |
| H | 1990 075328 | Columbia (URB) | Umatilla R | 05/10/91 | 48,266 | 100,642 | 62.13 | 27 | 8 | 12 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 93 | 7 | 0 | 0.34 |
| H | 1990 075449 | Columbia (URB) | Umatilla R | 05/10/91 | 48,481 | 99,962 | 62.13 | 12 | 16 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 42 | 21 | 1 | 0.23 |
| H | 1990 075560 | Columbia (URB) | Umatilla R | 05/13/91 | 25,720 | 25,862 | 5.27 | 17 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 11 | 16 | 0 | 0.24 |
| H | 1990 075561 | Columbia (URB) | Umatilla R | 05/13/91 | 25,425 | 25,708 | 5.27 | 2 | 4 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 9 | 13 | 0 | 0.18 |
| H | 1990 075562 | Columbia (URB) | Umatilla R | 05/13/91 | 22,309 | 23,295 | 5.27 | 7 | 8 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 12 | 2 | 0 | 0.17 |
| H | 1990 075563 | Columbia (URB) | Umatilla R | 05/13/91 | 26,173 | 26,481 | 5.63 | 4 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 4 | 0 | 0.15 |
| H | 1990 075601 | Columbia (URB) | Umatilla R | 05/13/91 | 24,762 | 26,585 | 5.63 | 9 | 7 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 7 | 8 | 0 | 0.22 |
| H | 1990 075602 | Columbia (URB) | Umatilla R | 05/13/91 | 25,476 | 26,606 | 5.63 | 4 | 17 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 13 | 6 | 0 | 0.22 |
| Klaskanine: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1988 075023 | Big Creek | Klaskanine R, NF | 04/21/89 | 52,609 | 439,184 | 3.00 | 0 | 1 | 14 | 4 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0.07 |
| H | 1988 075024 | Big Creek | Klaskanine R, NF | 04/21/89 | 51,522 | 439,183 | 3.00 | 0 | 0 | 6 | 0 | 9 | 8 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 0 | 0 | 0.08 |
| H | 1988 075025 | Big Creek | Klaskanine R, NF | 05/05/89 | 52,403 | 1,576,340 | 4.21 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 2 | 0 | 0 | 0.05 |
| H | 1988 075027 | Big Creek | Klaskanine R, NF | 05/05/89 | 52,653 | 1,576,340 | 4.21 | 0 | 0 | 45 | 0 | 0 | 12 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 0 | 0 | 0.14 |
| H | 1996 092143 | Rogue R | Klaskanine R, NF | 10/31/97 | 9,593 | 195,247 | 32.86 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 2 | 0 | 0.23 |
| H | 1996 092144 | Rogue R | Klaskanine R, NF | 10/31/97 | 27,222 | 408,713 | 32.86 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 3 | 0 | 30 | 68 | 6 | 0 | 0 | 30 | 68 | 6 | 0 | 0.45 |
| Stayton Pond: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1992 075658 | Tanner Cr | Santiam R & NF | 05/05/93 | 51,429 | 1,254,750 | 6.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1993 070234 | Tanner Cr | Santiam R & NF | 05/12/94 | 46,981 | 1,402,112 | 8.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.00 |
| H | 1994 070432 | Tanner Cr | Santiam R & NF | 05/04/95 | 53,689 | 54,086 | 6.73 | 0 | 4 | 12 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 4 | 0 | 0 | 0.07 |
| H | 1992 075657 | Tanner Cr | Tanner Cr | 04/26/93 | 55,442 | 56,442 | 6.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1993 070235 | Tanner Cr | Tanner Cr | 05/02/94 | 53,383 | 55,057 | 7.78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 2 | 0 | 0 | 0.04 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-------------|----------------|--------------|-----------------|---------|------------|--------------|------|------|-----|----|----|-----|---|---|----|-----|-----------------------|---|----|-----|----|---------|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | | 6+ | |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stayton Pond (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1994 075812 | Tanner Cr | Tanner Cr | 04/24/95 | 52,482 | 52,935 | 6.44 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 40 | 10 | 0 | 0 | 0.13 |
| H | 1988 075012 | Tanner Cr | Willamette R | 05/03/89 | 35,973 | 951,526 | 7.21 | 0 | 1 | 8 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 3 | 0 | 3 | 21 | 5 | 0 | 0 | 0.13 |
| H | 1988 075015 | Tanner Cr | Willamette R | 05/03/89 | 34,933 | 924,040 | 7.21 | 0 | 0 | 15 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 24 | 6 | 0 | 0 | 0.17 | |
| H | 1988 075017 | Tanner Cr | Willamette R | 05/03/89 | 34,259 | 906,211 | 7.21 | 0 | 1 | 2 | 0 | 0 | 8 | 0 | 0 | 0 | 4 | 0 | 0 | 8 | 12 | 3 | 0 | 0 | 0.11 |
| H | 1988 075018 | Tanner Cr | Willamette R | 05/03/89 | 34,351 | 908,626 | 7.21 | 0 | 0 | 19 | 4 | 0 | 9 | 0 | 0 | 7 | 0 | 0 | 0 | 6 | 31 | 9 | 0 | 0 | 0.25 |
| H | 1988 075020 | Tanner Cr | Willamette R | 05/03/89 | 34,203 | 904,729 | 7.21 | 0 | 0 | 3 | 3 | 5 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 21 | 8 | 0 | 0 | 0.15 |
| H | 1989 075218 | Tanner Cr | Willamette R | 05/11/90 | 46,422 | 1,160,558 | 10.40 | 0 | 0 | 45 | 4 | 2 | 57 | 0 | 2 | 14 | 0 | 0 | 0 | 30 | 85 | 25 | 1 | 0 | 0.57 |
| H | 1989 075219 | Tanner Cr | Willamette R | 05/11/90 | 47,029 | 1,175,728 | 10.40 | 0 | 0 | 34 | 0 | 0 | 66 | 0 | 7 | 14 | 2 | 0 | 0 | 29 | 85 | 32 | 0 | 0 | 0.57 |
| H | 1989 075220 | Tanner Cr | Willamette R | 05/11/90 | 46,908 | 1,172,703 | 10.40 | 0 | 9 | 39 | 12 | 4 | 120 | 4 | 5 | 7 | 3 | 0 | 0 | 27 | 75 | 22 | 0 | 0 | 0.70 |
| H | 1989 075221 | Tanner Cr | Willamette R | 05/11/90 | 46,874 | 1,171,876 | 10.40 | 0 | 0 | 64 | 7 | 16 | 69 | 0 | 0 | 16 | 5 | 0 | 0 | 40 | 113 | 30 | 0 | 0 | 0.77 |
| H | 1989 075222 | Tanner Cr | Willamette R | 05/11/90 | 47,551 | 1,188,787 | 10.40 | 0 | 0 | 98 | 4 | 8 | 88 | 7 | 5 | 15 | 0 | 0 | 0 | 36 | 95 | 23 | 0 | 0 | 0.80 |
| H | 1990 075227 | Tanner Cr | Willamette R | 05/09/91 | 39,127 | 1,897,990 | 8.11 | 0 | 0 | 27 | 0 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 6 | 21 | 9 | 0 | 0 | 0.18 |
| H | 1990 075228 | Tanner Cr | Willamette R | 05/09/91 | 37,988 | 1,842,767 | 8.11 | 0 | 0 | 19 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 23 | 0 | 0 | 0 | 0.16 |
| H | 1990 075229 | Tanner Cr | Willamette R | 05/09/91 | 40,149 | 1,947,585 | 8.11 | 0 | 0 | 18 | 0 | 0 | 7 | 4 | 0 | 6 | 0 | 0 | 0 | 3 | 17 | 0 | 0 | 0 | 0.14 |
| H | 1990 075230 | Tanner Cr | Willamette R | 05/09/91 | 39,540 | 1,918,027 | 8.11 | 0 | 0 | 3 | 0 | 13 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 8 | 22 | 1 | 0 | 0 | 0.14 |
| H | 1990 075231 | Tanner Cr | Willamette R | 05/09/91 | 39,383 | 1,910,410 | 8.11 | 0 | 0 | 9 | 0 | 0 | 17 | 0 | 0 | 3 | 0 | 0 | 0 | 5 | 28 | 2 | 0 | 0 | 0.16 |
| H | 1991 071601 | Tanner Cr | Willamette R | 05/02/92 | 35,861 | 2,057,967 | 8.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0.01 |
| H | 1991 071602 | Tanner Cr | Willamette R | 05/02/92 | 40,237 | 2,032,995 | 8.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.00 |
| H | 1991 071603 | Tanner Cr | Willamette R | 05/02/92 | 40,142 | 1,991,864 | 8.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0.00 |
| H | 1991 071604 | Tanner Cr | Willamette R | 05/02/92 | 40,903 | 2,013,522 | 8.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 075905 | Tanner Cr | Willamette R | 05/02/92 | 39,286 | 1,995,947 | 8.22 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.01 |
| H | 1992 070221 | Tanner Cr | Willamette R | 05/05/93 | 41,255 | 1,007,956 | 8.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 070222 | Tanner Cr | Willamette R | 05/05/93 | 42,110 | 1,026,744 | 8.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 070223 | Tanner Cr | Willamette R | 05/05/93 | 40,543 | 989,309 | 8.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| H | 1992 070224 | Tanner Cr | Willamette R | 05/05/93 | 41,091 | 1,001,111 | 8.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 076321 | Tanner Cr | Willamette R | 05/05/93 | 41,307 | 1,006,420 | 8.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0.00 |
| H | 1993 070516 | Tanner Cr | Willamette R | 05/12/94 | 39,468 | 1,186,737 | 8.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0.01 |
| H | 1993 070517 | Tanner Cr | Willamette R | 05/12/94 | 38,822 | 1,166,435 | 8.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0.02 |
| H | 1993 070518 | Tanner Cr | Willamette R | 05/12/94 | 39,011 | 1,171,734 | 8.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0.01 |
| H | 1993 070519 | Tanner Cr | Willamette R | 05/12/94 | 38,794 | 1,164,984 | 8.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 3 | 0 | 0 | 0.03 |
| H | 1993 070520 | Tanner Cr | Willamette R | 05/12/94 | 38,424 | 1,154,229 | 8.83 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0.03 |
| H | 1994 070852 | Tanner Cr | Willamette R | 05/04/95 | 206,717 | 10,667,979 | 7.43 | 0 | 0 | 23 | 0 | 0 | 15 | 0 | 0 | 4 | 2 | 0 | 0 | 5 | 56 | 24 | 0 | 0 | 0.06 |
| Umatilla: | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1991 071434 | Columbia (URB) | Umatilla R | 05/18/92 | 31,224 | 306,802 | 6.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 071438 | Columbia (URB) | Umatilla R | 05/18/92 | 30,924 | 301,831 | 7.03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 071436 | Columbia (URB) | Umatilla R | 05/18/92 | 30,365 | 302,555 | 7.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 |
| H | 1991 071433 | Columbia (URB) | Umatilla R | 05/18/92 | 29,066 | 303,878 | 7.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | |
|---------------------------------|-------------|----------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|---|---|------|----|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | 6+ |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | |
| Umatilla (Continued): | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1991 071435 | Columbia (URB) | Umatilla R | 05/18/92 | 30,326 | 297,331 | 7.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1991 071437 | Columbia (URB) | Umatilla R | 05/18/92 | 30,508 | 223,830 | 8.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 | |
| H | 1991 071430 | Columbia (URB) | Umatilla R | 05/19/92 | 32,287 | 281,350 | 6.97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0.01 | |
| H | 1991 071432 | Columbia (URB) | Umatilla R | 05/19/92 | 29,425 | 191,257 | 7.78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1991 071431 | Columbia (URB) | Umatilla R | 05/19/92 | 28,951 | 182,931 | 8.07 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1991 071429 | Columbia (URB) | Umatilla R | 05/20/92 | 31,892 | 286,578 | 6.42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.00 | |
| H | 1992 076334 | Columbia (URB) | Umatilla R | 05/24/93 | 29,958 | 282,175 | 6.67 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 1 | 0 | 0.03 | |
| H | 1992 076331 | Columbia (URB) | Umatilla R | 05/24/93 | 29,537 | 282,125 | 6.77 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 7 | 1 | 0 | 0.06 | |
| H | 1992 070127 | Columbia (URB) | Umatilla R | 05/24/93 | 27,092 | 269,336 | 7.15 | 6 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 0 | 0.07 | |
| H | 1992 076330 | Columbia (URB) | Umatilla R | 05/24/93 | 28,964 | 292,895 | 7.20 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 4 | 5 | 0 | 0.08 | |
| H | 1992 076332 | Columbia (URB) | Umatilla R | 05/24/93 | 29,451 | 277,931 | 7.37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 14 | 0 | 0 | 0.07 | |
| H | 1992 076333 | Columbia (URB) | Umatilla R | 05/24/93 | 29,718 | 273,662 | 7.52 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 11 | 0 | 0 | 0.08 | |
| H | 1992 070125 | Columbia (URB) | Umatilla R | 05/25/93 | 29,360 | 272,496 | 7.63 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 3 | 0 | 0 | 0.06 | |
| H | 1992 076329 | Columbia (URB) | Umatilla R | 05/25/93 | 30,706 | 203,731 | 7.63 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 11 | 0 | 0 | 0.06 | |
| H | 1992 076335 | Columbia (URB) | Umatilla R | 05/25/93 | 30,462 | 207,565 | 7.63 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 3 | 1 | 0 | 0.06 | |
| H | 1992 070126 | Columbia (URB) | Umatilla R | 05/25/93 | 29,594 | 268,001 | 7.65 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 12 | 0 | 0 | 0.07 | |
| H | 1993 070719 | Washington URB | Umatilla R | 05/23/94 | 31,658 | 327,700 | 6.25 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 6 | 0 | 0 | 0.09 | |
| H | 1993 070721 | Washington URB | Umatilla R | 05/23/94 | 28,474 | 306,105 | 6.59 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0.05 | |
| H | 1993 070723 | Washington URB | Umatilla R | 05/23/94 | 30,447 | 326,408 | 6.64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 0 | 0 | 0.03 | |
| H | 1993 070722 | Washington URB | Umatilla R | 05/23/94 | 30,950 | 303,843 | 6.66 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 9 | 1 | 0 | 0.09 | |
| H | 1993 070720 | Washington URB | Umatilla R | 05/23/94 | 30,528 | 314,518 | 6.93 | 3 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 15 | 0 | 0 | 0.14 | |
| H | 1993 070663 | Washington URB | Umatilla R | 05/23/94 | 31,162 | 322,867 | 7.19 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 1 | 0 | 0.05 | |
| H | 1993 070718 | Washington URB | Umatilla R | 05/24/94 | 31,040 | 279,965 | 7.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0.01 | |
| H | 1993 070662 | Washington URB | Umatilla R | 05/24/94 | 31,239 | 280,046 | 7.54 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 13 | 4 | 0 | 0.12 | |
| H | 1993 070717 | Washington URB | Umatilla R | 05/24/94 | 32,481 | 190,439 | 7.55 | 7 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 14 | 15 | 3 | 0 | 0.13 | |
| H | 1993 070716 | Washington URB | Umatilla R | 05/24/94 | 30,502 | 191,321 | 7.66 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 | 0 | 0.09 | |
| H | 1994 071017 | Washington URB | Umatilla R | 05/31/95 | 29,736 | 271,129 | 6.67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1994 071025 | Washington URB | Umatilla R | 05/31/95 | 29,784 | 274,110 | 6.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1994 071020 | Washington URB | Umatilla R | 05/31/95 | 29,460 | 275,613 | 6.89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1994 071018 | Washington URB | Umatilla R | 05/31/95 | 29,132 | 241,342 | 6.95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0.02 | |
| H | 1994 071022 | Washington URB | Umatilla R | 05/31/95 | 28,472 | 280,406 | 7.18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1994 071023 | Washington URB | Umatilla R | 05/31/95 | 28,623 | 287,313 | 7.18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1994 071019 | Washington URB | Umatilla R | 05/31/95 | 29,353 | 286,459 | 7.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1994 071024 | Washington URB | Umatilla R | 05/31/95 | 30,204 | 151,943 | 7.26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1994 071021 | Washington URB | Umatilla R | 05/31/95 | 29,327 | 152,098 | 7.71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1994 071026 | Washington URB | Umatilla R | 05/31/95 | 30,106 | 245,885 | 7.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1994 071039 | Washington URB | Umatilla R | 04/18/96 | 23,238 | 48,499 | 85.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0.01 | |
| H | 1994 071041 | Washington URB | Umatilla R | 04/18/96 | 23,343 | 47,125 | 85.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0.05 | |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | |
|---------------------------------|-------------|----------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|----|-----|----|------|----|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | |
| Umatilla (Continued): | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1994 071040 | Washington URB | Umatilla R | 04/18/96 | 23,442 | 47,463 | 96.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 2 | 0 | 0.04 | |
| H | 1995 071320 | Washington URB | Umatilla R | 05/30/96 | 30,015 | 303,803 | 6.52 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 4 | 1 | 0.08 | |
| H | 1995 071321 | Washington URB | Umatilla R | 05/30/96 | 28,997 | 299,233 | 6.63 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 7 | 3 | 0 | 0.06 | |
| H | 1995 071325 | Washington URB | Umatilla R | 05/30/96 | 30,220 | 300,895 | 6.72 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 0.03 | |
| H | 1995 071324 | Washington URB | Umatilla R | 05/30/96 | 30,243 | 272,594 | 6.82 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 16 | 16 | 0 | 0.14 | |
| H | 1995 071323 | Washington URB | Umatilla R | 05/30/96 | 29,914 | 300,377 | 7.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 13 | 4 | 0 | 0.07 | |
| H | 1995 071328 | Washington URB | Umatilla R | 05/30/96 | 30,455 | 181,709 | 7.51 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 12 | 4 | 0 | 0.08 | |
| H | 1995 071322 | Washington URB | Umatilla R | 05/30/96 | 29,646 | 266,913 | 7.92 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 7 | 11 | 2 | 0 | 0.10 | |
| H | 1995 071326 | Washington URB | Umatilla R | 05/30/96 | 30,238 | 181,291 | 8.02 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 9 | 3 | 0 | 0.14 | |
| H | 1995 071157 | Washington URB | Umatilla R | 05/31/96 | 29,852 | 393,339 | 6.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 6 | 1 | 0 | 0.05 | |
| H | 1995 071327 | Washington URB | Umatilla R | 05/31/96 | 28,476 | 460,259 | 6.52 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 1 | 0 | 0.05 | |
| H | 1995 071358 | Washington URB | Umatilla R | 03/25/97 | 25,983 | 51,112 | 55.31 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 13 | 29 | 52 | 14 | 0.55 | |
| H | 1995 091807 | Washington URB | Umatilla R | 03/25/97 | 25,258 | 51,066 | 55.31 | 31 | 14 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 22 | 8 | 39 | 55 | 17 | 0.75 | |
| H | 1995 071359 | Washington URB | Umatilla R | 03/25/97 | 25,232 | 50,865 | 56.00 | 19 | 7 | 3 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 29 | 6 | 52 | 82 | 5 | 0.84 | |
| H | 1995 091729 | Washington URB | Umatilla R | 03/25/97 | 25,250 | 53,993 | 59.68 | 37 | 5 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 13 | 10 | 45 | 48 | 15 | 0.70 | |
| H | 1995 091748 | Washington URB | Umatilla R | 03/25/97 | 25,260 | 51,917 | 59.68 | 48 | 2 | 6 | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 24 | 21 | 75 | 102 | 31 | 1.27 | |
| H | 1995 070953 | Columbia (URB) | Umatilla R | 03/30/97 | 29,983 | 169,478 | 33.11 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.02 | |
| H | 1995 070954 | Columbia (URB) | Umatilla R | 03/30/97 | 30,344 | 91,490 | 33.85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 4 | 0 | 0.03 | |
| H | 1996 092133 | Washington URB | Umatilla R | 05/29/97 | 33,273 | 394,250 | 6.42 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0.05 | |
| H | 1996 092127 | Washington URB | Umatilla R | 05/29/97 | 32,764 | 195,031 | 6.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 10 | 3 | 0 | 0.05 | |
| H | 1996 092134 | Washington URB | Umatilla R | 05/29/97 | 33,640 | 311,016 | 6.71 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 3 | 0 | 0.14 | |
| H | 1996 092132 | Washington URB | Umatilla R | 05/29/97 | 31,382 | 304,993 | 6.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 0 | 0 | 0.03 | |
| H | 1996 092128 | Washington URB | Umatilla R | 05/29/97 | 29,732 | 194,562 | 6.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0.02 | |
| H | 1996 092131 | Washington URB | Umatilla R | 05/30/97 | 31,844 | 395,493 | 6.68 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0.02 | |
| H | 1996 092126 | Washington URB | Umatilla R | 05/30/97 | 33,555 | 197,028 | 6.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 6 | 0 | 0 | 0.04 | |
| H | 1996 092129 | Washington URB | Umatilla R | 05/30/97 | 33,161 | 294,417 | 7.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0.02 | |
| H | 1996 092130 | Washington URB | Umatilla R | 05/30/97 | 32,464 | 294,043 | 7.27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0.02 | |
| H | 1996 071158 | Washington URB | Umatilla R | 04/17/98 | 21,547 | 89,106 | 58.15 | 3 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 14 | 4 | 10 | 6 | 2 | 0.21 | |
| H | 1996 076127 | Washington URB | Umatilla R | 04/17/98 | 22,783 | 89,994 | 58.15 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 2 | 17 | 7 | 0 | 0.21 | |
| H | 1997 092403 | Washington URB | Umatilla R | 05/28/98 | 30,808 | 31,987 | 6.91 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0.02 | |
| H | 1997 092404 | Washington URB | Umatilla R | 05/28/98 | 33,286 | 33,402 | 6.95 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 3 | 0 | 0.05 | |
| H | 1997 092402 | Washington URB | Umatilla R | 05/28/98 | 30,654 | 31,198 | 7.07 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 0 | 0.04 | |
| H | 1997 092408 | Washington URB | Umatilla R | 06/01/98 | 32,322 | 32,386 | 6.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0.01 | |
| H | 1997 092406 | Washington URB | Umatilla R | 06/01/98 | 30,558 | 31,267 | 6.73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0.02 | |
| H | 1997 092405 | Washington URB | Umatilla R | 06/01/98 | 30,533 | 30,887 | 6.74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 0 | 0.02 | |
| H | 1997 092409 | Washington URB | Umatilla R | 06/01/98 | 32,219 | 32,333 | 6.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0.01 | |
| H | 1997 092410 | Washington URB | Umatilla R | 06/01/98 | 31,820 | 31,820 | 6.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 4 | 0 | 0 | 0.03 | |
| H | 1997 092407 | Washington URB | Umatilla R | 06/01/98 | 32,661 | 33,017 | 6.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0.02 | |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-------------|--------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|---|---|---|----|---------|----|----|----|---|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | 6+ | | | | | | | |
| FALL CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Umatilla (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1997 092411 | Umatilla R | Umatilla R | 03/08/99 | 21,741 | 48,901 | 33.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 31 | 4 | 0 | 0.19 | |
| SPRING CHINOOK SALMON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bonneville: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1988 075223 | Lookingglass | Hood R, W Fk | 03/14/90 | 52,891 | 193,193 | 44.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 30 | 0 | 0.20 | |
| H | 1989 075530 | Lookingglass | Hood R, W Fk | 03/25/91 | 52,068 | 125,327 | 44.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0.03 | |
| H | 1990 075659 | Lookingglass | Hood R, W Fk | 04/02/92 | 52,732 | 163,295 | 45.40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 4 | 0 | 0.03 | |
| N | 1991 073335 | Deschutes R | Hood R, W Fk | 04/01/93 | 39,739 | 40,317 | 40.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 0 | 0 | 0 | 0.03 | |
| N | 1993 070549 | Deschutes R | Hood R, W Fk | 04/05/95 | 42,861 | 170,004 | 33.82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 17 | 0 | 0 | 0 | 0.04 | |
| H | 1988 075063 | Lookingglass | Umatilla R | 10/13/89 | 24,801 | 24,968 | 37.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 9 | 4 | 0 | 0 | 0.06 | |
| H | 1988 075101 | Lookingglass | Umatilla R | 10/13/89 | 28,109 | 28,299 | 37.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 12 | 12 | 0 | 0 | 0.09 | |
| H | 1988 075102 | Lookingglass | Umatilla R | 10/13/89 | 27,299 | 27,483 | 37.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 10 | 7 | 0 | 0 | 0.07 | |
| H | 1988 075103 | Lookingglass | Umatilla R | 10/13/89 | 27,137 | 27,287 | 37.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 6 | 0 | 0 | 0.05 | |
| H | 1988 075104 | Lookingglass | Umatilla R | 10/13/89 | 28,560 | 28,718 | 37.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 18 | 6 | 0 | 0 | 0.10 | |
| H | 1988 075105 | Lookingglass | Umatilla R | 10/13/89 | 27,695 | 27,848 | 37.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 0 | 0.03 | |
| H | 1988 075106 | Lookingglass | Umatilla R | 03/22/90 | 26,638 | 38,224 | 50.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 67 | 35 | 0 | 0 | 0.40 | |
| H | 1988 075107 | Lookingglass | Umatilla R | 03/22/90 | 26,160 | 37,538 | 50.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 86 | 48 | 0 | 0 | 0.52 | |
| H | 1988 075108 | Lookingglass | Umatilla R | 03/22/90 | 26,888 | 38,583 | 50.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 43 | 0 | 0 | 0.37 | |
| H | 1988 075109 | Lookingglass | Umatilla R | 03/23/90 | 25,611 | 39,012 | 47.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 72 | 64 | 0 | 0 | 0.55 | |
| H | 1988 075110 | Lookingglass | Umatilla R | 03/23/90 | 26,307 | 40,072 | 47.24 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 85 | 67 | 0 | 0 | 0.60 | |
| H | 1988 075111 | Lookingglass | Umatilla R | 03/23/90 | 25,172 | 38,343 | 47.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 52 | 48 | 0 | 0 | 0.42 | |
| H | 1989 074508 | Lookingglass | Umatilla R | 10/26/90 | 25,876 | 26,050 | 33.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0.01 | |
| H | 1989 074509 | Lookingglass | Umatilla R | 10/26/90 | 26,104 | 26,280 | 33.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1989 074510 | Lookingglass | Umatilla R | 10/26/90 | 25,497 | 25,669 | 33.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.00 | |
| H | 1989 074505 | Lookingglass | Umatilla R | 10/26/90 | 26,670 | 26,757 | 39.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0.01 | |
| H | 1989 074506 | Lookingglass | Umatilla R | 10/26/90 | 26,717 | 26,804 | 39.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 | |
| H | 1989 074507 | Lookingglass | Umatilla R | 10/26/90 | 26,788 | 26,876 | 39.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1989 075114 | Lookingglass | Umatilla R | 03/26/91 | 25,947 | 33,473 | 44.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 2 | 0 | 0.17 | |
| H | 1989 075115 | Lookingglass | Umatilla R | 03/26/91 | 25,921 | 33,440 | 44.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 32 | 1 | 0 | 0 | 0.14 | |
| H | 1989 075116 | Lookingglass | Umatilla R | 03/26/91 | 26,039 | 33,592 | 44.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0.18 | |
| H | 1989 075442 | Lookingglass | Umatilla R | 03/27/91 | 24,441 | 32,032 | 38.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 1 | 0 | 0.11 | |
| H | 1989 075440 | Lookingglass | Umatilla R | 03/28/91 | 24,365 | 31,932 | 38.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0.09 | |
| H | 1989 075441 | Lookingglass | Umatilla R | 03/28/91 | 24,559 | 32,186 | 38.43 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 5 | 0 | 0.13 | |
| H | 1990 075829 | Lookingglass | Umatilla R | 11/08/91 | 25,499 | 26,020 | 26.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0.01 | |
| H | 1990 075830 | Lookingglass | Umatilla R | 11/08/91 | 25,382 | 25,899 | 26.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0.02 | |
| H | 1990 075831 | Lookingglass | Umatilla R | 11/08/91 | 26,029 | 26,561 | 26.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0.01 | |
| H | 1990 075826 | Lookingglass | Umatilla R | 11/08/91 | 26,769 | 27,039 | 27.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0.02 | |
| H | 1990 075827 | Lookingglass | Umatilla R | 11/08/91 | 26,737 | 27,007 | 27.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0.02 | |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|----------------|------------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----------------------|----|---|---|---|---------|------|------|------|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bonneville (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 075828 | Lookingglass | Umatilla R | 11/08/91 | 26,827 | 27,097 | 27.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 | | | | |
| H | 1990 075835 | Lookingglass | Umatilla R | 04/21/92 | 26,570 | 36,351 | 49.30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | | | | |
| H | 1990 075836 | Lookingglass | Umatilla R | 04/21/92 | 26,426 | 36,154 | 49.30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | | | | |
| H | 1990 075837 | Lookingglass | Umatilla R | 04/21/92 | 26,750 | 36,596 | 49.30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | | | |
| H | 1990 075832 | Lookingglass | Umatilla R | 04/21/92 | 25,503 | 32,994 | 53.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | | | |
| H | 1990 075833 | Lookingglass | Umatilla R | 04/21/92 | 25,472 | 32,953 | 53.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.03 | | | | |
| H | 1990 075834 | Lookingglass | Umatilla R | 04/21/92 | 25,493 | 32,982 | 53.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | | | | |
| H | 1991 076047 | Carson (WA) | Umatilla R | 11/03/92 | 17,269 | 17,667 | 44.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | | | |
| H | 1991 076046 | Carson (WA) | Umatilla R | 11/03/92 | 24,221 | 24,715 | 45.36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | | | |
| H | 1991 076045 | Carson (WA) | Umatilla R | 11/03/92 | 24,638 | 24,638 | 45.82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 | | | | |
| H | 1991 076044 | Carson (WA) | Umatilla R | 11/04/92 | 15,423 | 15,730 | 34.62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | | | |
| H | 1991 076042 | Carson (WA) | Umatilla R | 11/04/92 | 25,104 | 25,104 | 34.89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | | | |
| H | 1991 076043 | Carson (WA) | Umatilla R | 11/04/92 | 24,992 | 25,075 | 34.89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.03 | | | | |
| H | 1991 071456 | Carson (WA) | Umatilla R | 03/22/93 | 20,022 | 46,112 | 31.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | | | | |
| H | 1991 071455 | Carson (WA) | Umatilla R | 03/23/93 | 19,951 | 45,430 | 30.65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.05 | | | | |
| H | 1992 075944 | Carson (WA) | Umatilla R | 03/25/94 | 20,109 | 103,980 | 36.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 96 | 7 | 0.52 | | | |
| H | 1992 075945 | Carson (WA) | Umatilla R | 03/25/94 | 20,219 | 99,676 | 37.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 81 | 4 | 0.44 | | | |
| H | 1992 070250 | Carson (WA) | Umatilla R | 03/25/94 | 26,716 | 99,616 | 38.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 117 | 7 | 0.48 | | | |
| H | 1992 070251 | Carson (WA) | Umatilla R | 03/25/94 | 26,305 | 101,830 | 38.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 121 | 5 | 0.51 | | |
| CEDC Fisheries: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1994 071237 | S Santiam R | Blind Slough | 02/29/96 | 52,369 | 199,389 | 45.77 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 | 37 | 0.12 | | | |
| H | 1995 091716 | M Willamette R | Blind Slough | 03/05/97 | 58,002 | 171,229 | 29.88 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 93 | 0.26 | | |
| H | 1996 092217 | M Willamette R | Blind Slough | 03/03/98 | 44,452 | 198,034 | 36.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 26 | 0.11 | | |
| H | 1996 092036 | M Willamette R | Blind Slough | 04/01/98 | 23,319 | 25,396 | 39.10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 | 86 | 2 | 0.78 | |
| H | 1996 092035 | M Willamette R | Blind Slough | 04/01/98 | 24,203 | 25,284 | 47.25 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 51 | 0 | 0.44 | |
| H | 1997 092530 | M Willamette R | Blind Slough | 03/03/99 | 24,644 | 148,881 | 32.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 32 | 0 | 0.31 | |
| H | 1997 092531 | M Willamette R | Blind Slough | 04/01/99 | 25,544 | 25,553 | 40.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 78 | 0 | 0.40 | |
| H | 1997 092537 | M Willamette R | Blind Slough | 04/01/99 | 25,560 | 25,573 | 45.22 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130 | 156 | 0 | 1.15 | |
| H | 1988 074460 | M Willamette R | Klaskanine R, SF | 06/01/89 | 28,050 | 116,079 | 9.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 | |
| H | 1989 075232 | M Willamette R | Klaskanine R, SF | 06/11/90 | 27,491 | 118,674 | 7.56 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0.04 |
| H | 1990 075603 | Clackamas R | Klaskanine R, SF | 06/14/91 | 26,472 | 119,627 | 8.95 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.02 |
| H | 1991 071425 | M Willamette R | Klaskanine R, SF | 06/05/92 | 26,630 | 74,517 | 11.90 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0.02 | |
| H | 1992 076146 | N Santiam R | Klaskanine R, SF | 03/01/94 | 24,668 | 109,974 | 48.77 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0.03 | |
| H | 1993 070351 | M Willamette R | Klaskanine R, SF | 02/07/95 | 51,829 | 86,978 | 31.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 12 | 19 | 0 | 0.07 | |
| H | 1994 071119 | S Santiam R | Klaskanine R, SF | 01/31/96 | 52,205 | 76,618 | 30.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 0 | 0.02 | |
| H | 1995 071337 | M Willamette R | Klaskanine R, SF | 03/04/97 | 25,149 | 76,821 | 28.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0.04 | |
| H | 1994 071238 | S Santiam R | Tongue Point | 02/05/96 | 52,119 | 100,138 | 44.86 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 18 | 0 | 0.06 | |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | |
|-----------------------------------|-------------|----------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|----|-----|-----|----|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | |
| CEDC Fisheries (Continued): | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1994 071236 | S Santiam R | Tongue Point | 02/29/96 | 48,281 | 142,181 | 41.96 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 17 | 0 | 0.07 |
| H | 1995 091717 | M Willamette R | Tongue Point | 03/05/97 | 51,461 | 151,905 | 27.32 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 70 | 2 | 0.22 |
| H | 1995 091718 | M Willamette R | Tongue Point | 04/04/97 | 50,309 | 149,889 | 31.07 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 69 | 4 | 0.22 |
| H | 1996 092218 | M Willamette R | Tongue Point | 03/03/98 | 46,710 | 128,314 | 32.87 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 92 | 103 | 0 | 0.44 |
| H | 1996 092219 | M Willamette R | Tongue Point | 04/01/98 | 43,987 | 125,456 | 33.35 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 198 | 244 | 6 | 1.06 |
| H | 1997 092532 | M Willamette R | Tongue Point | 03/03/99 | 23,782 | 118,291 | 44.95 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 95 | 85 | 0 | 0.78 |
| H | 1997 092535 | M Willamette R | Tongue Point | 04/01/99 | 21,637 | 105,986 | 50.51 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 62 | 75 | 0 | 0.66 |
| H | 1988 073563 | M Willamette R | Youngs R | 07/25/89 | 25,914 | 109,204 | 15.64 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0.08 |
| H | 1988 074504 | M Willamette R | Youngs R | 03/06/90 | 26,670 | 54,309 | 62.99 | 10 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 212 | 3 | 1.14 |
| H | 1989 075233 | M Willamette R | Youngs R | 07/25/90 | 28,688 | 221,790 | 29.07 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | 3 | 0 | 0.10 |
| H | 1990 075604 | Clackamas R | Youngs R | 07/20/91 | 26,597 | 210,867 | 30.64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 0 | 0.04 |
| H | 1990 075454 | Clackamas R | Youngs R | 02/20/92 | 22,592 | 31,667 | 87.21 | 5 | 6 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 29 | 129 | 6 | 0.88 |
| H | 1991 071426 | M Willamette R | Youngs R | 06/23/92 | 26,352 | 301,786 | 26.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 |
| H | 1992 070318 | N Santiam R | Youngs R | 03/08/94 | 26,418 | 301,361 | 50.96 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 67 | 21 | 0 | 0.36 |
| H | 1993 070345 | M Willamette R | Youngs R | 02/09/95 | 39,519 | 79,336 | 37.45 | 10 | 2 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 118 | 91 | 4 | 0.59 |
| H | 1993 070343 | M Willamette R | Youngs R | 03/07/95 | 52,446 | 156,519 | 56.00 | 28 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 5 | 196 | 201 | 2 | 0.89 |
| H | 1993 070344 | M Willamette R | Youngs R | 03/30/95 | 52,224 | 127,367 | 61.21 | 33 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 1 | 132 | 168 | 10 | 0.68 |
| H | 1994 071121 | S Santiam R | Youngs R | 02/05/96 | 53,685 | 142,976 | 38.41 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 29 | 36 | 0 | 0.13 |
| H | 1994 071122 | S Santiam R | Youngs R | 02/29/96 | 51,737 | 133,517 | 42.75 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 23 | 0 | 0.11 |
| H | 1994 071120 | Clackamas R | Youngs R | 03/21/96 | 41,085 | 97,945 | 45.31 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 36 | 60 | 3 | 0.27 |
| H | 1995 091737 | M Willamette R | Youngs R | 02/01/97 | 49,944 | 100,680 | 24.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0.00 |
| H | 1995 091738 | M Willamette R | Youngs R | 03/05/97 | 49,341 | 96,540 | 29.63 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 14 | 0 | 0.06 |
| H | 1995 091739 | M Willamette R | Youngs R | 04/04/97 | 50,208 | 95,396 | 31.07 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 46 | 0 | 0.14 |
| H | 1995 091740 | M Willamette R | Youngs R | 04/04/97 | 50,139 | 94,612 | 35.71 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 61 | 0 | 0.21 |
| H | 1996 092216 | M Willamette R | Youngs R | 03/03/98 | 50,865 | 149,878 | 39.10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 104 | 89 | 0 | 0.40 |
| H | 1996 092214 | M Willamette R | Youngs R | 04/01/98 | 47,147 | 153,265 | 37.80 | 31 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 347 | 344 | 0 | 1.54 |
| H | 1996 092215 | M Willamette R | Youngs R | 04/01/98 | 49,392 | 153,139 | 47.25 | 39 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 572 | 627 | 7 | 2.55 |
| H | 1997 092534 | M Willamette R | Youngs R | 03/04/99 | 24,415 | 165,298 | 34.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 | 67 | 0 | 0.65 |
| H | 1997 092533 | M Willamette R | Youngs R | 04/01/99 | 24,253 | 158,574 | 37.86 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 181 | 130 | 0 | 1.29 |
| H | 1997 092536 | M Willamette R | Youngs R | 04/01/99 | 23,566 | 102,546 | 54.78 | 4 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 167 | 178 | 0 | 1.52 |
| Clackamas: | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1988 075201 | Clackamas R | Clackamas R | 08/14/89 | 28,856 | 397,502 | 40.86 | 13 | 0 | 11 | 0 | 0 | 11 | 0 | 6 | 0 | 0 | 0 | 1 | 12 | 47 | 9 | 0 | 0.38 |
| H | 1988 075202 | Clackamas R | Clackamas R | 09/12/89 | 31,363 | 323,283 | 43.61 | 14 | 9 | 0 | 0 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 29 | 8 | 0 | 0.27 |
| H | 1988 075203 | Clackamas R | Clackamas R | 03/12/90 | 16,280 | 290,926 | 40.49 | 27 | 8 | 18 | 4 | 2 | 38 | 0 | 3 | 3 | 0 | 0 | 2 | 8 | 86 | 154 | 1 | 2.17 |
| H | 1988 075205 | Clackamas R | Clackamas R | 03/12/90 | 15,333 | 272,542 | 43.61 | 24 | 7 | 12 | 0 | 4 | 15 | 0 | 0 | 2 | 0 | 0 | 1 | 6 | 135 | 137 | 4 | 2.26 |
| H | 1989 075436 | Clackamas R | Clackamas R | 08/15/90 | 26,743 | 157,653 | 41.61 | 3 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 28 | 4 | 0 | 0.17 |
| H | 1989 075437 | Clackamas R | Clackamas R | 08/15/90 | 26,773 | 157,331 | 41.61 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 29 | 7 | 0 | 0.21 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | % | | | | |
|-----------------------------------|-------------|--------------|-----------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|----|----|----|-----------------------|----|---|---|----|------|-----|-----|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clackamas (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1989 075438 | Clackamas R | Clackamas R | 09/14/90 | 25,546 | 158,511 | 54.64 | 8 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 15 | 9 | 0 | 0.19 | |
| H | 1989 075439 | Clackamas R | Clackamas R | 09/14/90 | 26,641 | 159,663 | 54.64 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 25 | 9 | 1 | 0.21 |
| H | 1989 075349 | Clackamas R | Clackamas R | 03/18/91 | 15,818 | 248,316 | 39.44 | 14 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 25 | 80 | 4 | 0.87 |
| H | 1989 075350 | Clackamas R | Clackamas R | 03/18/91 | 15,456 | 248,207 | 39.44 | 18 | 4 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 | 66 | 9 | 0.92 |
| H | 1990 075452 | Clackamas R | Clackamas R | 08/05/91 | 49,085 | 308,340 | 33.59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 19 | 7 | 0 | 0.06 |
| H | 1990 075346 | Clackamas R | Clackamas R | 09/03/91 | 50,949 | 315,000 | 50.39 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 48 | 34 | 0 | 0.20 |
| H | 1990 075661 | Clackamas R | Clackamas R | 03/16/92 | 34,495 | 412,274 | 51.54 | 12 | 6 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 147 | 149 | 0 | 0.96 |
| H | 1991 075811 | Clackamas R | Clackamas R | 08/24/92 | 45,463 | 302,092 | 32.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0.01 |
| H | 1991 070017 | Clackamas R | Clackamas R | 08/24/92 | 43,091 | 282,079 | 38.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0.01 |
| H | 1991 075735 | Clackamas R | Clackamas R | 03/29/93 | 30,427 | 447,387 | 31.07 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 95 | 43 | 0 | 0.49 |
| H | 1992 075903 | Clackamas R | Clackamas R | 08/13/93 | 46,472 | 300,602 | 39.78 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 20 | 56 | 2 | 0 | 0.19 |
| H | 1992 075902 | Clackamas R | Clackamas R | 09/13/93 | 52,297 | 297,112 | 52.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 1 | 4 | 39 | 5 | 0 | 0.11 |
| H | 1992 070346 | Clackamas R | Clackamas R | 04/04/94 | 28,594 | 239,158 | 25.48 | 2 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 76 | 58 | 1 | 0.52 |
| H | 1993 070231 | Clackamas R | Clackamas R | 08/08/94 | 51,497 | 317,468 | 40.46 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 9 | 64 | 7 | 0 | 0.16 |
| H | 1993 070361 | Clackamas R | Clackamas R | 08/11/94 | 51,100 | 335,055 | 32.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 5 | 47 | 12 | 0 | 0.14 |
| H | 1993 070446 | Clackamas R | Clackamas R | 04/03/95 | 29,005 | 361,702 | 31.92 | 12 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 170 | 0 | 0.97 |
| H | 1994 071518 | Clackamas R | Clackamas R | 08/07/95 | 24,761 | 345,103 | 29.06 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0.03 |
| H | 1994 074522 | Clackamas R | Clackamas R | 08/07/95 | 25,946 | 267,698 | 30.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 1 | 0 | 0.04 |
| H | 1994 070859 | Clackamas R | Clackamas R | 03/19/96 | 25,985 | 379,140 | 41.20 | 19 | 8 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 1 | 117 | 137 | 1 | 1.12 | |
| H | 1995 070237 | Clackamas R | Clackamas R | 08/14/96 | 45,475 | 615,580 | 43.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 25 | 4 | 0 | 0.08 |
| H | 1995 071357 | Clackamas R | Clackamas R | 03/31/97 | 29,211 | 390,111 | 33.35 | 33 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 101 | 149 | 4 | 1.02 |
| H | 1996 092116 | Clackamas R | Clackamas R | 08/12/97 | 32,774 | 683,121 | 39.78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 7 | 2 | 0 | 0.05 |
| H | 1996 092318 | Clackamas R | Clackamas R | 03/19/98 | 31,007 | 487,334 | 38.12 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 193 | 101 | 2 | 1.05 |
| | 1997 092450 | Clackamas R | Clackamas R | 08/03/98 | 627,999 | 657,734 | 29.98 | 19 | 9 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 341 | 12 | 0 | 0.07 |
| | 1997 092631 | Clackamas R | Clackamas R | 03/17/99 | 216,470 | 220,955 | 47.64 | 146 | 91 | 103 | 0 | 0 | 70 | 14 | 2 | 31 | 15 | 3 | 0 | 1 | 39 | 1959 | 918 | 0 | 1.57 | |
| | 1997 092510 | Clackamas R | Clackamas R | 03/17/99 | 94,852 | 155,394 | 47.75 | 30 | 25 | 23 | 0 | 0 | 15 | 0 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 53 | 705 | 236 | 0 | 1.16 |
| H | 1991 075655 | Clackamas R | Sandy R | 03/16/93 | 51,764 | 371,484 | 33.10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 3 | 0 | 0.08 |
| H | 1992 070354 | Clackamas R | Sandy R | 03/22/94 | 25,177 | 344,893 | 37.48 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0.05 |
| H | 1993 070553 | Clackamas R | Sandy R | 03/15/95 | 23,927 | 459,479 | 45.31 | 6 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 0 | 0.13 |
| H | 1994 071151 | Clackamas R | Sandy R | 03/15/96 | 23,634 | 421,768 | 48.77 | 22 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 9 | 0 | 0.26 |
| H | 1995 075333 | Clackamas R | Sandy R | 03/20/97 | 23,280 | 429,117 | 42.59 | 5 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0.12 |
| H | 1996 092063 | Clackamas R | Sandy R | 03/19/98 | 25,001 | 358,769 | 44.91 | 76 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 0 | 0.37 |
| | 1997 092519 | Clackamas R | Sandy R | 03/17/99 | 460,053 | 468,301 | 43.07 | 129 | 63 | 144 | 0 | 0 | 61 | 5 | 25 | 24 | 2 | 0 | 0 | 0 | 0 | 0 | 137 | 208 | 0 | 0.18 |
| Irrigon: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1988 074534 | Rapid R (ID) | Lookingglass Cr | 05/15/89 | 41,667 | 42,322 | 12.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1988 074634 | Rapid R (ID) | Lookingglass Cr | 05/15/89 | 41,267 | 42,322 | 12.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1988 074736 | Rapid R (ID) | Lookingglass Cr | 05/15/89 | 40,234 | 42,056 | 12.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|--------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----------------------|----|---|---|---|---------|---|----|----|----|----|----|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | | | | | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lookingglass: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 1988 074733 | Imnaha R | Imnaha R | 03/31/90 | 65,002 | 76,019 | 24.78 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 42 | 81 | 78 | 0 | 0.32 | |
| M | 1988 074734 | Imnaha R | Imnaha R | 03/31/90 | 61,609 | 73,341 | 24.78 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 51 | 93 | 77 | 0 | 0.37 | |
| M | 1988 074729 | Imnaha R | Imnaha R | 03/31/90 | 48,878 | 49,272 | 35.99 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 24 | 98 | 67 | 1 | 0.45 | |
| M | 1988 074730 | Imnaha R | Imnaha R | 03/31/90 | 50,779 | 51,163 | 35.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 23 | 67 | 79 | 1 | 0.38 | |
| M | 1989 075046 | Imnaha R | Imnaha R | 03/22/91 | 42,834 | 79,611 | 20.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 39 | 3 | 0 | 0.11 | |
| M | 1989 075045 | Imnaha R | Imnaha R | 03/22/91 | 42,804 | 79,654 | 20.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 29 | 15 | 0 | 0.11 | |
| M | 1989 075043 | Imnaha R | Imnaha R | 03/22/91 | 40,770 | 56,848 | 27.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 38 | 5 | 0 | 0.13 | |
| M | 1989 075040 | Imnaha R | Imnaha R | 03/22/91 | 41,582 | 51,557 | 29.26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 38 | 4 | 0 | 0.13 | |
| M | 1990 075848 | Imnaha R | Imnaha R | 03/30/92 | 42,444 | 43,555 | 21.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0.01 | |
| M | 1990 075849 | Imnaha R | Imnaha R | 03/30/92 | 43,433 | 43,547 | 21.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0.01 | |
| M | 1990 075844 | Imnaha R | Imnaha R | 03/30/92 | 42,208 | 42,894 | 21.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0.00 | |
| M | 1990 075845 | Imnaha R | Imnaha R | 03/30/92 | 42,902 | 42,902 | 21.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0.02 | |
| M | 1990 075846 | Imnaha R | Imnaha R | 03/30/92 | 45,075 | 45,256 | 41.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 14 | 0 | 0 | 0.05 | |
| M | 1990 075847 | Imnaha R | Imnaha R | 03/30/92 | 43,315 | 44,346 | 41.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 1 | 0 | 0.03 | |
| M | 1991 071540 | Imnaha R | Imnaha R | 04/12/93 | 49,077 | 49,470 | 18.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| M | 1991 071541 | Imnaha R | Imnaha R | 04/12/93 | 49,365 | 49,465 | 18.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0.00 | |
| M | 1991 071538 | Imnaha R | Imnaha R | 04/12/93 | 29,330 | 29,548 | 37.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 1 | 0 | 0.03 | |
| M | 1991 071539 | Imnaha R | Imnaha R | 04/12/93 | 29,114 | 29,176 | 37.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 | |
| M | 1992 076362 | Imnaha R | Imnaha R | 04/11/94 | 81,997 | 84,013 | 17.65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 4 | 0 | 0.03 | |
| M | 1992 076363 | Imnaha R | Imnaha R | 04/11/94 | 80,404 | 83,900 | 18.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0.00 | |
| M | 1992 070117 | Imnaha R | Imnaha R | 04/11/94 | 81,508 | 83,930 | 22.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0.00 | |
| M | 1992 070116 | Imnaha R | Imnaha R | 04/11/94 | 78,785 | 83,334 | 22.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0.01 | |
| M | 1992 070118 | Imnaha R | Imnaha R | 04/11/94 | 49,471 | 52,075 | 29.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 | |
| M | 1992 070119 | Imnaha R | Imnaha R | 04/11/94 | 49,682 | 51,365 | 30.64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| M | 1993 070746 | Imnaha R | Imnaha R | 03/28/95 | 72,015 | 72,959 | 18.36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 16 | 14 | 0 | 0.05 | |
| M | 1993 070748 | Imnaha R | Imnaha R | 03/28/95 | 75,831 | 77,318 | 19.53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 42 | 8 | 0 | 0.07 |
| M | 1993 070745 | Imnaha R | Imnaha R | 03/28/95 | 77,200 | 77,952 | 20.41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 35 | 19 | 0 | 0.07 |
| M | 1993 070751 | Imnaha R | Imnaha R | 03/28/95 | 47,084 | 48,723 | 25.74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 41 | 11 | 0 | 0.14 |
| M | 1993 070750 | Imnaha R | Imnaha R | 03/28/95 | 49,576 | 50,222 | 26.19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 24 | 8 | 0 | 0.08 | |
| M | 1993 070747 | Imnaha R | Imnaha R | 04/24/95 | 64,414 | 67,130 | 22.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 26 | 7 | 0 | 0.07 | |
| M | 1994 071229 | Imnaha R | Imnaha R | 04/03/96 | 22,069 | 22,840 | 22.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 | |
| M | 1994 071228 | Imnaha R | Imnaha R | 04/03/96 | 22,643 | 22,915 | 23.36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0.01 | |
| M | 1994 071230 | Imnaha R | Imnaha R | 04/03/96 | 10,695 | 10,887 | 23.85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0.02 | |
| M | 1994 071225 | Imnaha R | Imnaha R | 04/03/96 | 13,635 | 13,839 | 25.74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 2 | 0 | 0.07 | |
| M | 1994 071226 | Imnaha R | Imnaha R | 04/03/96 | 13,376 | 13,890 | 25.89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0.01 | |
| M | 1994 071227 | Imnaha R | Imnaha R | 04/03/96 | 6,847 | 6,869 | 27.81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| M | 1995 091719 | Imnaha R | Imnaha R | 04/07/97 | 4,924 | 4,980 | 19.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | 0.16 | |
| M | 1995 091723 | Imnaha R | Imnaha R | 04/07/97 | 15,858 | 16,588 | 19.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 16 | 1 | 0 | 0.16 | |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | | | | | | | |
|-----------------------------------|-------------|--------------|-----------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|---|---|---|---|----|-------|----|-----|----|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | Surv. | | | | | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lookingglass (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 1995 091722 | Imnaha R | Imnaha R | 04/07/97 | 12,749 | 12,835 | 21.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 15 | 3 | 0 | 0.24 | |
| M | 1995 091721 | Imnaha R | Imnaha R | 04/07/97 | 9,742 | 9,896 | 29.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 5 | 3 | 0 | 0.17 |
| M | 1995 091720 | Imnaha R | Imnaha R | 04/07/97 | 6,390 | 6,613 | 32.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 1 | 0 | 0.16 |
| | 1996 092202 | Imnaha R | Imnaha R | 04/06/98 | 8,596 | 9,514 | 19.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 0 | 0 | 0.20 |
| | 1996 092206 | Imnaha R | Imnaha R | 04/06/98 | 18,691 | 19,874 | 19.38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 58 | 0 | 0 | 0.34 |
| | 1996 092201 | Imnaha R | Imnaha R | 04/06/98 | 9,000 | 9,493 | 19.55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0.20 |
| | 1996 092205 | Imnaha R | Imnaha R | 04/06/98 | 18,028 | 19,055 | 19.55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 36 | 1 | 0 | 0.21 |
| | 1996 092163 | Imnaha R | Imnaha R | 04/06/98 | 6,619 | 6,996 | 27.66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 18 | 0 | 0 | 0.30 |
| | 1996 092203 | Imnaha R | Imnaha R | 04/06/98 | 12,670 | 14,023 | 29.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 | 0 | 0 | 0.21 |
| | 1996 092124 | Imnaha R | Imnaha R | 04/06/98 | 1,698 | 1,806 | 31.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0.18 |
| | 1996 092204 | Imnaha R | Imnaha R | 04/06/98 | 11,630 | 12,367 | 31.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 | 0 | 0 | 0.21 |
| | 1997 092609 | Imnaha R | Imnaha R | 04/05/99 | 9,260 | 10,241 | 26.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 17 | 0 | 0 | 0.28 |
| | 1997 092619 | Imnaha R | Imnaha R | 04/16/99 | 39,811 | 44,712 | 17.19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 73 | 13 | 0 | 0.37 |
| | 1997 092616 | Imnaha R | Imnaha R | 04/16/99 | 20,212 | 21,787 | 17.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 46 | 4 | 0 | 0.42 |
| | 1997 092615 | Imnaha R | Imnaha R | 04/16/99 | 21,239 | 22,385 | 18.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 67 | 3 | 0 | 0.56 |
| | 1997 092558 | Imnaha R | Imnaha R | 04/16/99 | 12,051 | 13,308 | 24.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 21 | 0 | 0 | 0.20 |
| | 1997 092559 | Imnaha R | Imnaha R | 04/16/99 | 12,992 | 14,872 | 25.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 21 | 0 | 0 | 0.22 |
| | 1997 071248 | Imnaha R | Imnaha R | 04/16/99 | 24,570 | 26,796 | 26.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 33 | 0 | 0 | 0.23 |
| | 1997 092613 | Imnaha R | Imnaha R | 04/16/99 | 12,756 | 13,443 | 26.53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 27 | 0 | 0 | 0.28 |
| | 1997 092614 | Imnaha R | Imnaha R | 04/16/99 | 12,287 | 13,997 | 27.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 14 | 0 | 0 | 0.28 |
| | 1997 092612 | Imnaha R | Imnaha R | 04/16/99 | 11,942 | 13,395 | 28.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 | 16 | 2 | 0 | 0.38 |
| | 1997 092610 | Lostine R | Lostine R | 04/15/99 | 11,179 | 11,870 | 22.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 30 | 2 | 0 | 0.41 |
| H | 1988 074740 | Rapid R (ID) | Lookingglass Cr | 04/02/90 | 41,780 | 258,974 | 22.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 64 | 69 | 0 | 0.33 |
| H | 1988 074739 | Rapid R (ID) | Lookingglass Cr | 04/02/90 | 42,187 | 257,822 | 22.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 73 | 70 | 0 | 0.35 |
| H | 1988 074745 | Rapid R (ID) | Lookingglass Cr | 04/02/90 | 43,479 | 51,508 | 34.89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 147 | 45 | 0 | 0.48 |
| H | 1988 074743 | Rapid R (ID) | Lookingglass Cr | 04/02/90 | 43,788 | 51,335 | 37.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 92 | 59 | 0 | 0.38 |
| H | 1989 075053 | Rapid R (ID) | Lookingglass Cr | 04/01/91 | 42,705 | 118,145 | 21.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 47 | 4 | 0 | 0.12 |
| H | 1989 075054 | Rapid R (ID) | Lookingglass Cr | 04/01/91 | 43,450 | 118,564 | 22.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 4 | 0 | 0.10 |
| H | 1989 075048 | Rapid R (ID) | Lookingglass Cr | 04/01/91 | 42,698 | 47,416 | 32.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 2 | 0 | 0.09 |
| H | 1989 075051 | Rapid R (ID) | Lookingglass Cr | 04/01/91 | 42,859 | 47,509 | 33.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 39 | 0 | 0 | 0.10 |
| H | 1990 075306 | Rapid R (ID) | Lookingglass Cr | 04/01/92 | 43,738 | 425,445 | 23.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 0 | 0.03 |
| H | 1990 075305 | Rapid R (ID) | Lookingglass Cr | 04/01/92 | 43,631 | 424,069 | 23.38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 0 | 0 | 0.05 |
| H | 1990 074746 | Rapid R (ID) | Lookingglass Cr | 04/01/92 | 39,623 | 50,595 | 46.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 1 | 0 | 0.03 |
| H | 1990 075055 | Rapid R (ID) | Lookingglass Cr | 04/01/92 | 40,123 | 50,759 | 47.74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 | 7 | 0 | 0.06 |
| H | 1991 071548 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 35,011 | 35,152 | 22.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 18 | 1 | 0 | 0.06 |
| H | 1991 071550 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 35,351 | 35,626 | 22.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0.02 |
| H | 1991 071551 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 35,460 | 35,626 | 22.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0.03 |
| H | 1991 071546 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 35,580 | 35,662 | 22.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0.01 |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | | |
|-----------------------------------|-------------|--------------|-----------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|---|----|-----|----|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lookingglass (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1991 071547 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 35,583 | 35,662 | 22.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0.02 | |
| H | 1991 071553 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 34,812 | 35,093 | 22.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 1 | 0 | 0.03 |
| H | 1991 071555 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 34,822 | 34,965 | 22.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 | 0 | 0 | 0.05 |
| H | 1991 071552 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 36,445 | 36,738 | 22.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0.03 |
| H | 1991 071554 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 35,190 | 35,190 | 22.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 0.02 |
| H | 1991 071556 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 35,176 | 35,176 | 22.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0.02 |
| H | 1991 071557 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 34,753 | 34,962 | 23.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0.02 |
| H | 1991 071558 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 23,063 | 23,155 | 23.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0.06 |
| H | 1991 071549 | Rapid R (ID) | Lookingglass Cr | 04/07/93 | 35,002 | 35,212 | 23.26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0.02 |
| H | 1992 070441 | Rapid R (ID) | Lookingglass Cr | 04/10/94 | 74,132 | 76,403 | 22.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 50 | 8 | 0 | 0.08 |
| H | 1992 075307 | Rapid R (ID) | Lookingglass Cr | 04/10/94 | 68,959 | 71,133 | 22.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 75 | 9 | 0 | 0.13 |
| H | 1992 075308 | Rapid R (ID) | Lookingglass Cr | 04/10/94 | 68,693 | 71,371 | 22.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 71 | 8 | 0 | 0.12 |
| H | 1992 070434 | Rapid R (ID) | Lookingglass Cr | 04/10/94 | 80,275 | 83,838 | 22.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 5 | 0 | 0.06 |
| H | 1992 070439 | Rapid R (ID) | Lookingglass Cr | 04/10/94 | 79,827 | 81,285 | 23.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 62 | 6 | 0 | 0.09 |
| H | 1992 070436 | Rapid R (ID) | Lookingglass Cr | 04/10/94 | 77,160 | 81,071 | 23.62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 77 | 6 | 0 | 0.11 |
| H | 1992 070437 | Rapid R (ID) | Lookingglass Cr | 04/10/94 | 79,481 | 81,158 | 24.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 115 | 11 | 0 | 0.17 |
| H | 1992 070447 | Rapid R (ID) | Lookingglass Cr | 04/10/94 | 32,160 | 34,522 | 24.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 29 | 8 | 0 | 0.13 |
| H | 1992 070448 | Rapid R (ID) | Lookingglass Cr | 04/10/94 | 33,231 | 34,647 | 24.65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 37 | 5 | 0 | 0.13 |
| H | 1992 070440 | Rapid R (ID) | Lookingglass Cr | 05/06/94 | 67,540 | 69,068 | 27.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 1 | 0 | 0.02 |
| H | 1992 070438 | Rapid R (ID) | Lookingglass Cr | 05/06/94 | 77,722 | 80,627 | 28.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0.01 |
| H | 1993 070824 | Rapid R (ID) | Lookingglass Cr | 04/05/95 | 77,133 | 85,980 | 20.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 42 | 21 | 0 | 0.09 |
| H | 1993 070829 | Rapid R (ID) | Lookingglass Cr | 04/05/95 | 87,087 | 88,189 | 20.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 43 | 18 | 0 | 0.07 |
| H | 1993 070828 | Rapid R (ID) | Lookingglass Cr | 04/05/95 | 85,509 | 87,745 | 20.98 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 68 | 25 | 0 | 0.12 |
| H | 1993 070825 | Rapid R (ID) | Lookingglass Cr | 04/05/95 | 75,678 | 86,299 | 21.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 48 | 13 | 1 | 0.08 |
| H | 1993 070823 | Rapid R (ID) | Lookingglass Cr | 04/06/95 | 84,234 | 86,934 | 19.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 35 | 8 | 0 | 0.05 |
| H | 1993 070827 | Rapid R (ID) | Lookingglass Cr | 04/06/95 | 86,435 | 88,097 | 20.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 86 | 32 | 0 | 0.15 |
| H | 1993 070826 | Rapid R (ID) | Lookingglass Cr | 04/06/95 | 65,983 | 66,204 | 21.27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 59 | 17 | 0 | 0.12 |
| H | 1993 070822 | Rapid R (ID) | Lookingglass Cr | 04/06/95 | 68,559 | 68,782 | 21.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 32 | 10 | 0 | 0.07 |
| H | 1994 071234 | Rapid R (ID) | Lookingglass Cr | 04/05/96 | 32,997 | 34,786 | 22.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 14 | 2 | 0 | 0.06 |
| H | 1994 071232 | Rapid R (ID) | Lookingglass Cr | 04/05/96 | 34,379 | 35,292 | 22.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 5 | 0 | 0.06 |
| H | 1994 071233 | Rapid R (ID) | Lookingglass Cr | 04/05/96 | 33,534 | 34,809 | 22.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0.02 |
| H | 1994 071231 | Rapid R (ID) | Lookingglass Cr | 04/05/96 | 33,902 | 34,225 | 22.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 9 | 0 | 0 | 0 | 0.04 |
| H | 1995 091726 | Rapid R (ID) | Lookingglass Cr | 04/07/97 | 36,172 | 37,974 | 20.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 148 | 8 | 0 | 0.45 |
| H | 1995 091727 | Rapid R (ID) | Lookingglass Cr | 04/07/97 | 37,156 | 38,962 | 21.81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 113 | 3 | 0 | 0.33 |
| H | 1995 091725 | Rapid R (ID) | Lookingglass Cr | 04/07/97 | 36,310 | 37,785 | 21.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 140 | 4 | 0 | 0.40 |
| H | 1995 091724 | Rapid R (ID) | Lookingglass Cr | 04/07/97 | 37,340 | 38,756 | 22.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 130 | 8 | 0 | 0.39 |
| H | 1995 091728 | Rapid R (ID) | Lookingglass Cr | 07/25/97 | 29,298 | 30,880 | 2.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0.04 |
| H | 1996 092207 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 48,583 | 51,131 | 10.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 45 | 1 | 0 | 0.11 |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|--------------|-----------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|---|---|---|----|---------|----|-----|-----|---|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | 6+ | | | | | | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lookingglass (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1996 075850 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 32,653 | 33,430 | 23.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 53 | 5 | 0 | 0.19 |
| H | 1996 075309 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 28,755 | 31,880 | 23.38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 55 | 6 | 0 | 0.23 |
| H | 1996 092208 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 16,835 | 17,893 | 23.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 41 | 0 | 0 | 0.30 |
| H | 1996 075310 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 31,976 | 34,748 | 24.92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 43 | 0 | 0 | 0.14 |
| H | 1996 075311 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 31,887 | 33,216 | 24.92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 50 | 3 | 0 | 0.17 |
| H | 1996 092211 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 27,282 | 31,007 | 25.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 94 | 3 | 0 | 0.37 |
| H | 1996 092209 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 12,470 | 12,760 | 25.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 45 | 12 | 0 | 0.47 |
| H | 1996 092210 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 25,694 | 28,163 | 26.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 93 | 8 | 0 | 0.40 |
| H | 1996 092212 | Rapid R (ID) | Lookingglass Cr | 04/06/98 | 23,538 | 27,920 | 26.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 81 | 16 | 0 | 0.42 |
| | 1997 092622 | Lookingglass | Lookingglass Cr | 04/01/99 | 63,504 | 66,142 | 19.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 169 | 23 | 0 | 0.32 |
| | 1997 070749 | Lookingglass | Lookingglass Cr | 04/01/99 | 62,189 | 64,167 | 21.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 104 | 2 | 0 | 0.18 |
| | 1997 070148 | Lookingglass | Lookingglass Cr | 04/01/99 | 49,967 | 56,638 | 21.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 106 | 4 | 0 | 0.23 |
| | 1997 092620 | Lookingglass | Lookingglass Cr | 04/01/99 | 63,786 | 66,302 | 21.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 139 | 19 | 0 | 0.28 |
| | 1997 092621 | Lookingglass | Lookingglass Cr | 04/01/99 | 56,320 | 58,896 | 22.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 126 | 6 | 0 | 0.26 |
| H | 1992 070435 | Rapid R (ID) | Snake R | 04/12/94 | 79,382 | 84,051 | 23.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| Marion Forks: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1988 073721 | N Santiam R | Santiam R & NF | 03/08/90 | 15,931 | 225,255 | 43.61 | 16 | 0 | 13 | 0 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 79 | 95 | 0 | 1.34 |
| H | 1988 075206 | N Santiam R | Santiam R & NF | 03/08/90 | 15,987 | 225,096 | 43.61 | 1 | 5 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 101 | 0 | 1.01 |
| H | 1989 075528 | N Santiam R | Santiam R & NF | 03/06/91 | 15,807 | 262,959 | 36.28 | 9 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 45 | 40 | 1 | 0.61 |
| H | 1989 075527 | N Santiam R | Santiam R & NF | 03/06/91 | 15,876 | 261,382 | 36.57 | 14 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 41 | 0 | 0.58 |
| H | 1990 075710 | N Santiam R | Santiam R & NF | 03/06/92 | 17,405 | 297,234 | 38.76 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 12 | 0 | 0.16 |
| H | 1990 075711 | N Santiam R | Santiam R & NF | 03/06/92 | 17,430 | 256,653 | 41.23 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 19 | 2 | 0.18 |
| H | 1991 076119 | N Santiam R | Santiam R & NF | 03/18/93 | 9,020 | 17,752 | 29.65 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 10 | 0 | 0.23 |
| H | 1991 076114 | N Santiam R | Santiam R & NF | 03/18/93 | 9,282 | 16,285 | 30.04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0.06 |
| H | 1991 076118 | N Santiam R | Santiam R & NF | 03/18/93 | 9,655 | 17,748 | 34.62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 27 | 4 | 0 | 0.33 |
| H | 1991 076116 | N Santiam R | Santiam R & NF | 03/18/93 | 9,327 | 19,872 | 34.89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 | 0 | 0.14 |
| H | 1991 073722 | N Santiam R | Santiam R & NF | 03/18/93 | 16,146 | 331,526 | 37.80 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 14 | 0 | 0.43 |
| H | 1991 076115 | N Santiam R | Santiam R & NF | 03/18/93 | 9,211 | 21,078 | 40.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 0.10 |
| H | 1991 076117 | N Santiam R | Santiam R & NF | 03/18/93 | 8,861 | 20,656 | 40.86 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0.12 |
| H | 1992 070430 | N Santiam R | Santiam R & NF | 03/02/94 | 13,347 | 240,979 | 40.49 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 0 | 0.28 |
| H | 1992 070431 | N Santiam R | Santiam R & NF | 03/03/94 | 15,122 | 248,846 | 35.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0.02 |
| H | 1993 076125 | N Santiam R | Santiam R & NF | 03/01/95 | 15,054 | 326,851 | 39.07 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 7 | 0 | 0.17 |
| H | 1993 076338 | N Santiam R | Santiam R & NF | 03/01/95 | 15,726 | 338,833 | 39.07 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 27 | 13 | 0 | 0.32 |
| H | 1994 070861 | N Santiam R | Santiam R & NF | 03/01/96 | 12,363 | 340,609 | 34.86 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 8 | 0 | 0.23 |
| H | 1994 070862 | N Santiam R | Santiam R & NF | 03/01/96 | 13,324 | 358,793 | 34.86 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 25 | 0 | 0.34 |
| H | 1995 071259 | N Santiam R | Santiam R & NF | 03/04/97 | 16,925 | 353,789 | 34.89 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 35 | 0 | 0.44 |
| H | 1995 071260 | N Santiam R | Santiam R & NF | 03/04/97 | 16,270 | 342,646 | 35.44 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 23 | 0 | 0.33 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | |
|-----------------------------------|-------------|----------------|----------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|----|---|----|-----|----|-----------------------|----|------|------|------|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | | 6+ | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marion Forks (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1996 092319 | N Santiam R | Santiam R & NF | 03/03/98 | 244,804 | 309,677 | 29.45 | 129 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 491 | 1076 | 4 | 0.71 | |
| H | 1996 092320 | N Santiam R | Santiam R & NF | 03/03/98 | 407,781 | 415,423 | 33.11 | 246 | 1 | 10 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1019 | 1711 | 6 | 0.74 | |
| | 1997 092632 | N Santiam R | Santiam R & NF | 03/12/99 | 240,057 | 246,329 | 32.01 | 45 | 12 | 52 | 0 | 8 | 24 | 10 | 2 | 10 | 5 | 0 | 3 | 2 | 29 | 1253 | 585 | 0 | 0.86 |
| | 1997 092633 | N Santiam R | Santiam R & NF | 03/12/99 | 342,272 | 351,214 | 38.44 | 72 | 13 | 52 | 0 | 0 | 20 | 8 | 2 | 8 | 3 | 0 | 2 | 4 | 20 | 1248 | 556 | 0 | 0.59 |
| McKenzie: | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1994 071050 | Clackamas R | Clackamas R | 03/15/96 | 39,454 | 40,014 | 55.93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 0 | 0.03 | |
| H | 1994 071051 | Clackamas R | Clackamas R | 03/15/96 | 39,457 | 39,655 | 59.60 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0.03 | |
| H | 1994 071049 | Clackamas R | Clackamas R | 03/15/96 | 41,471 | 42,078 | 61.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0.01 | |
| H | 1994 071243 | Clackamas R | Clackamas R | 03/15/96 | 38,087 | 38,240 | 61.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0.02 | |
| H | 1995 091758 | McKenzie R | Clackamas R | 11/08/96 | 29,049 | 29,491 | 56.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 19 | 0 | 0.12 | |
| H | 1995 091759 | McKenzie R | Clackamas R | 11/08/96 | 29,407 | 29,525 | 57.42 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 7 | 0 | 0.08 | |
| H | 1995 091756 | McKenzie R | Clackamas R | 11/08/96 | 29,610 | 29,942 | 63.88 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 6 | 0 | 0.12 | |
| H | 1995 091757 | McKenzie R | Clackamas R | 11/08/96 | 28,955 | 29,792 | 63.88 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 48 | 0 | 0 | 0.18 | |
| H | 1995 091754 | McKenzie R | Clackamas R | 11/08/96 | 33,415 | 34,916 | 64.80 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 52 | 18 | 0 | 0.25 | |
| H | 1995 091755 | McKenzie R | Clackamas R | 11/08/96 | 27,699 | 29,937 | 65.74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 31 | 4 | 0 | 0.17 | |
| H | 1995 091801 | M Willamette R | Clackamas R | 03/13/97 | 30,529 | 42,561 | 47.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 11 | 0 | 0.08 | |
| H | 1995 091760 | McKenzie R | Clackamas R | 03/13/97 | 30,170 | 39,085 | 49.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0.00 | |
| H | 1995 091762 | McKenzie R | Clackamas R | 03/13/97 | 30,120 | 32,307 | 50.96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0.01 | |
| H | 1995 091802 | M Willamette R | Clackamas R | 03/13/97 | 24,996 | 31,016 | 55.31 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 0.05 | |
| H | 1996 092239 | McKenzie R | Clackamas R | 03/12/98 | 39,106 | 41,718 | 44.04 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 95 | 10 | 0.57 | |
| H | 1996 092236 | McKenzie R | Clackamas R | 03/12/98 | 37,178 | 41,924 | 48.25 | 19 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 63 | 0 | 0.31 | |
| H | 1996 092237 | McKenzie R | Clackamas R | 03/12/98 | 36,825 | 39,251 | 48.25 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 40 | 0 | 0.18 | |
| H | 1996 092238 | McKenzie R | Clackamas R | 03/12/98 | 39,168 | 41,695 | 48.25 | 18 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 75 | 0 | 0.36 | |
| H | 1996 092235 | McKenzie R | Clackamas R | 03/12/98 | 36,118 | 41,596 | 52.74 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 42 | 0 | 0.27 | |
| H | 1996 092234 | McKenzie R | Clackamas R | 03/12/98 | 34,071 | 38,218 | 54.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 9 | 0 | 0.14 | |
| | 1997 092548 | McKenzie R | Clackamas R | 03/09/99 | 77,537 | 78,504 | 45.00 | 5 | 0 | 2 | 0 | 5 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 38 | 91 | 0 | 0.19 | |
| H | 1988 075158 | McKenzie R | McKenzie R | 11/09/89 | 15,287 | 106,572 | 55.99 | 11 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 25 | 29 | 1 | 0.49 | |
| H | 1988 075159 | McKenzie R | McKenzie R | 11/09/89 | 15,664 | 106,876 | 55.99 | 26 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 23 | 22 | 0 | 0.50 | |
| H | 1988 075160 | McKenzie R | McKenzie R | 03/08/90 | 14,862 | 215,243 | 49.84 | 9 | 5 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 70 | 102 | 1 | 1.51 | | |
| H | 1988 075161 | McKenzie R | McKenzie R | 03/08/90 | 15,345 | 221,202 | 49.84 | 21 | 4 | 9 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 92 | 3 | 1.33 | |
| H | 1989 075522 | McKenzie R | McKenzie R | 11/16/90 | 17,493 | 65,430 | 62.99 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 14 | 6 | 0 | 0.18 | | |
| H | 1989 075523 | McKenzie R | McKenzie R | 11/16/90 | 15,958 | 59,689 | 62.99 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 | 8 | 0 | 0.24 | | |
| H | 1989 075524 | McKenzie R | McKenzie R | 11/16/90 | 17,627 | 65,840 | 64.79 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 7 | 0 | 0.12 | | |
| H | 1989 075525 | McKenzie R | McKenzie R | 03/07/91 | 17,289 | 335,157 | 50.96 | 15 | 0 | 5 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 11 | 24 | 1 | 0.40 | |
| H | 1989 075526 | McKenzie R | McKenzie R | 03/07/91 | 17,274 | 334,888 | 50.96 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 35 | 21 | 1 | 0.36 | |
| H | 1990 075656 | McKenzie R | McKenzie R | 11/15/91 | 49,264 | 236,504 | 59.67 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 76 | 81 | 0 | 0.36 | |
| H | 1990 075629 | McKenzie R | McKenzie R | 03/12/92 | 30,985 | 52,269 | 36.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 1 | 0.04 | |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|--------------|--------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|---|-----|-----|-----|---------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | 6+ | | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| McKenzie (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 075660 | McKenzie R | McKenzie R | 03/12/92 | 32,253 | 52,777 | 39.10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 20 | 0 | 0.10 | |
| H | 1990 075630 | McKenzie R | McKenzie R | 03/12/92 | 30,743 | 681,011 | 49.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 0.03 | |
| H | 1991 075734 | McKenzie R | McKenzie R | 11/13/92 | 30,724 | 228,440 | 53.99 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 12 | 17 | 0 | 0.13 |
| H | 1991 075733 | McKenzie R | McKenzie R | 03/10/93 | 30,720 | 50,130 | 28.53 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 16 | 19 | 1 | 0.14 |
| H | 1991 075818 | McKenzie R | McKenzie R | 03/10/93 | 31,021 | 54,025 | 38.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 36 | 1 | 0.22 |
| H | 1991 075732 | McKenzie R | McKenzie R | 03/10/93 | 31,196 | 472,747 | 53.36 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 22 | 0 | 0.27 |
| H | 1992 070428 | McKenzie R | McKenzie R | 02/09/94 | 230,137 | 245,806 | 35.16 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 92 | 186 | 7 | 0.13 |
| H | 1992 070429 | McKenzie R | McKenzie R | 03/02/94 | 50,401 | 51,757 | 34.10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 12 | 1 | 0.05 |
| H | 1992 070236 | McKenzie R | McKenzie R | 03/02/94 | 46,383 | 49,575 | 38.11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 16 | 29 | 1 | 0.11 |
| H | 1992 070240 | McKenzie R | McKenzie R | 03/02/94 | 144,006 | 158,024 | 50.39 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 92 | 200 | 5 | 0.21 |
| H | 1992 070254 | McKenzie R | McKenzie R | 03/02/94 | 37,895 | 41,583 | 50.39 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 | 46 | 1 | 0.22 |
| H | 1992 076121 | McKenzie R | McKenzie R | 03/02/94 | 169,400 | 185,890 | 50.39 | 25 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 146 | 260 | 5 | 0.26 | |
| H | 1993 070444 | McKenzie R | McKenzie R | 03/01/95 | 27,924 | 162,283 | 53.30 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 34 | 29 | 1 | 0.25 |
| H | 1993 070850 | McKenzie R | McKenzie R | 03/01/95 | 27,738 | 160,901 | 53.30 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 22 | 0 | 0.14 |
| H | 1993 070851 | McKenzie R | McKenzie R | 03/01/95 | 27,022 | 156,999 | 53.30 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 24 | 0 | 0.19 |
| H | 1994 070445 | McKenzie R | McKenzie R | 02/08/96 | 29,805 | 193,730 | 52.08 | 7 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 34 | 0 | 0.26 |
| H | 1994 070450 | McKenzie R | McKenzie R | 02/08/96 | 30,170 | 194,516 | 52.08 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 25 | 0 | 0.24 |
| H | 1994 070860 | McKenzie R | McKenzie R | 03/08/96 | 25,058 | 203,991 | 58.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 | 19 | 0 | 0.18 | |
| H | 1995 071317 | McKenzie R | McKenzie R | 02/06/97 | 33,634 | 287,606 | 34.16 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 34 | 0 | 0.22 |
| H | 1995 076140 | McKenzie R | McKenzie R | 02/06/97 | 30,091 | 199,692 | 49.84 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 46 | 0 | 0.28 |
| H | 1995 071258 | McKenzie R | McKenzie R | 03/06/97 | 29,143 | 144,642 | 52.14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 47 | 3 | 0.32 |
| H | 1995 091803 | McKenzie R | McKenzie R | 03/06/97 | 34,167 | 163,306 | 52.14 | 2 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 62 | 55 | 0 | 0.38 |
| H | 1995 091804 | McKenzie R | McKenzie R | 03/06/97 | 33,838 | 158,639 | 52.14 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 76 | 6 | 0.40 |
| H | 1996 092241 | McKenzie R | McKenzie R | 11/11/97 | 35,705 | 36,648 | 56.70 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 | 28 | 0 | 0.20 |
| H | 1996 092251 | McKenzie R | McKenzie R | 11/11/97 | 37,875 | 39,437 | 58.15 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 38 | 0 | 0.25 |
| H | 1996 092240 | McKenzie R | McKenzie R | 11/11/97 | 35,349 | 36,457 | 59.68 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 29 | 9 | 0 | 0.16 |
| H | 1996 092250 | McKenzie R | McKenzie R | 11/11/97 | 149,671 | 154,365 | 61.29 | 33 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 213 | 107 | 1 | 0.25 |
| H | 1996 092247 | McKenzie R | McKenzie R | 02/05/98 | 46,287 | 55,588 | 36.29 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 96 | 194 | 0 | 0.70 |
| H | 1996 092253 | McKenzie R | McKenzie R | 02/05/98 | 49,918 | 56,725 | 36.29 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 106 | 204 | 3 | 0.69 |
| H | 1996 092252 | McKenzie R | McKenzie R | 02/05/98 | 45,974 | 56,765 | 36.88 | 20 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 | 161 | 1 | 0.60 |
| H | 1996 092249 | McKenzie R | McKenzie R | 02/05/98 | 105,588 | 114,107 | 37.18 | 39 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 253 | 462 | 6 | 0.74 |
| H | 1996 092246 | McKenzie R | McKenzie R | 02/05/98 | 38,884 | 42,689 | 55.31 | 17 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 119 | 122 | 0 | 0.67 |
| H | 1996 092244 | McKenzie R | McKenzie R | 03/05/98 | 28,531 | 29,107 | 48.25 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 149 | 0 | 0.72 |
| H | 1996 092248 | McKenzie R | McKenzie R | 03/05/98 | 56,907 | 57,856 | 48.25 | 37 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 | 250 | 0 | 0.67 |
| H | 1996 092242 | McKenzie R | McKenzie R | 03/05/98 | 28,685 | 28,972 | 48.77 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 57 | 144 | 0 | 0.77 |
| H | 1996 092243 | McKenzie R | McKenzie R | 03/05/98 | 28,391 | 28,853 | 48.77 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 165 | 6 | 0.90 |
| H | 1996 092160 | McKenzie R | McKenzie R | 03/05/98 | 81,960 | 87,799 | 53.36 | 37 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 238 | 414 | 9 | 0.86 |
| H | 1996 092161 | McKenzie R | McKenzie R | 03/05/98 | 28,383 | 31,300 | 53.36 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 116 | 3 | 0.67 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|--------------|--------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|-----------------------|---|-----|-----|---|---------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | |
| McKenzie (Continued): | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1996 092162 | McKenzie R | McKenzie R | 03/05/98 | 29,620 | 31,460 | 53.36 | 14 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 93 | 141 | 0 | 0.85 |
| | 1997 092628 | McKenzie R | McKenzie R | 11/04/98 | 241,943 | 250,639 | 56.07 | 16 | 7 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 239 | 173 | 0 | 0.19 |
| | 1997 092352 | McKenzie R | McKenzie R | 02/10/99 | 12,012 | 12,012 | 37.09 | 0 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 11 | 0 | 0.33 |
| | 1997 092630 | McKenzie R | McKenzie R | 02/10/99 | 245,005 | 272,999 | 37.12 | 14 | 4 | 13 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 385 | 720 | 0 | 0.47 |
| | 1997 092629 | McKenzie R | McKenzie R | 02/10/99 | 75,941 | 79,323 | 53.24 | 6 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 72 | 54 | 0 | 0.18 |
| | 1997 092446 | McKenzie R | McKenzie R | 03/10/99 | 21,978 | 23,272 | 47.20 | 0 | 4 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 69 | 124 | 0 | 0.95 |
| | 1997 092550 | McKenzie R | McKenzie R | 03/10/99 | 129,554 | 137,183 | 47.20 | 27 | 0 | 8 | 0 | 0 | 12 | 3 | 2 | 0 | 0 | 0 | 1 | 473 | 691 | 0 | 0.94 |
| | 1997 092451 | McKenzie R | McKenzie R | 03/10/99 | 27,034 | 27,882 | 54.52 | 3 | 0 | 10 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 105 | 132 | 0 | 0.95 |
| | 1997 092452 | McKenzie R | McKenzie R | 03/10/99 | 25,768 | 27,468 | 54.52 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 77 | 173 | 0 | 1.01 |
| | 1997 092512 | McKenzie R | McKenzie R | 03/10/99 | 89,288 | 95,003 | 54.52 | 8 | 5 | 5 | 0 | 8 | 4 | 2 | 0 | 7 | 6 | 0 | 9 | 496 | 540 | 0 | 1.22 |
| H | 1996 092245 | McKenzie R | Mohawk R | 02/05/98 | 35,455 | 42,301 | 45.82 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 35 | 80 | 0 | 0.34 |
| H | 1995 076048 | S Santiam R | Molalla R | 03/18/97 | 19,881 | 63,890 | 44.91 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0.04 |
| H | 1992 070455 | McKenzie R | Willamette R | 03/08/94 | 29,548 | 44,352 | 50.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0.01 |
| H | 1992 070456 | McKenzie R | Willamette R | 03/08/94 | 29,606 | 43,373 | 51.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 070457 | McKenzie R | Willamette R | 03/08/94 | 28,789 | 43,079 | 51.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0.01 |
| H | 1992 070452 | McKenzie R | Willamette R | 03/08/94 | 30,862 | 43,127 | 53.35 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 2 | 0 | 0.04 |
| H | 1992 070454 | McKenzie R | Willamette R | 03/08/94 | 28,878 | 43,869 | 53.35 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 1 | 0.06 |
| H | 1992 070453 | McKenzie R | Willamette R | 03/08/94 | 30,382 | 38,747 | 54.64 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0.04 |
| H | 1993 070833 | McKenzie R | Willamette R | 11/08/94 | 29,379 | 30,932 | 57.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1993 070832 | McKenzie R | Willamette R | 11/08/94 | 29,487 | 31,363 | 58.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1993 070831 | McKenzie R | Willamette R | 11/08/94 | 29,712 | 31,578 | 58.83 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 14 | 1 | 0.11 |
| H | 1993 070834 | McKenzie R | Willamette R | 11/09/94 | 33,338 | 33,925 | 50.91 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 18 | 0 | 0.16 |
| H | 1993 070830 | McKenzie R | Willamette R | 11/09/94 | 27,441 | 30,793 | 55.25 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 7 | 16 | 0 | 0.14 |
| H | 1993 070835 | McKenzie R | Willamette R | 11/09/94 | 20,540 | 21,149 | 62.91 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 18 | 2 | 0.19 |
| H | 1993 070845 | McKenzie R | Willamette R | 02/24/95 | 21,226 | 29,610 | 50.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 | 0 | 0.06 |
| H | 1993 070846 | McKenzie R | Willamette R | 02/24/95 | 20,880 | 29,610 | 50.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0.02 |
| H | 1993 070848 | McKenzie R | Willamette R | 03/08/95 | 25,497 | 38,889 | 51.48 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0.03 |
| H | 1993 070849 | McKenzie R | Willamette R | 03/08/95 | 26,957 | 42,075 | 51.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0.01 |
| H | 1993 070847 | McKenzie R | Willamette R | 03/08/95 | 31,139 | 43,208 | 52.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0.01 |
| H | 1993 070836 | McKenzie R | Willamette R | 03/08/95 | 19,899 | 30,662 | 52.68 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0.07 |
| H | 1994 071045 | Clackamas R | Willamette R | 11/08/95 | 33,666 | 33,666 | 50.91 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 | 14 | 5 | 0 | 0.12 |
| H | 1994 071046 | Clackamas R | Willamette R | 11/08/95 | 25,317 | 25,624 | 52.08 | 9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 16 | 0 | 0.17 |
| H | 1994 071047 | Clackamas R | Willamette R | 11/08/95 | 30,543 | 32,842 | 53.30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0.02 |
| H | 1994 071048 | Clackamas R | Willamette R | 11/09/95 | 28,853 | 31,917 | 53.93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0.01 |
| H | 1995 091761 | McKenzie R | Willamette R | 03/13/97 | 29,020 | 42,067 | 44.91 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 4 | 0 | 0.08 |
| H | 1995 091763 | McKenzie R | Willamette R | 03/13/97 | 29,888 | 42,720 | 50.96 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0.02 |
| H | 1996 092231 | McKenzie R | Willamette R | 11/06/97 | 31,356 | 31,716 | 54.58 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 21 | 0 | 0.11 |
| H | 1996 092228 | McKenzie R | Willamette R | 11/06/97 | 30,368 | 31,088 | 57.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 30 | 0 | 0.19 |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | | |
|-----------------------------------|--------|--------------|----------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|----|-----------------------|----|---|------|----|--|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | | Freshwater Recoveries | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Round Butte (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1993 | 070526 | Deschutes R | Deschutes R | 05/16/95 | 67,314 | 69,446 | 52.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 | 61 | 0 | 0 | 0.11 | | |
| 1993 | 070527 | Deschutes R | Deschutes R | 05/16/95 | 67,037 | 70,042 | 52.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 44 | 0 | 0 | 0.08 | | |
| 1993 | 070528 | Deschutes R | Deschutes R | 05/16/95 | 68,294 | 70,413 | 56.63 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 58 | 0 | 0 | 0.11 | | |
| 1994 | 070936 | Deschutes R | Deschutes R | 04/25/96 | 25,654 | 25,680 | 42.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0.04 | | |
| 1994 | 070937 | Deschutes R | Deschutes R | 04/25/96 | 18,171 | 19,239 | 57.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0.03 | | |
| 1994 | 070938 | Deschutes R | Deschutes R | 05/09/96 | 93,755 | 95,545 | 41.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 45 | 0 | 0 | 0.05 | | |
| 1994 | 070934 | Deschutes R | Deschutes R | 05/09/96 | 62,407 | 63,932 | 54.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 72 | 1 | 0 | 0.13 | | |
| 1994 | 070933 | Deschutes R | Deschutes R | 05/09/96 | 60,082 | 63,445 | 58.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 49 | 0 | 0 | 0.10 | | |
| 1994 | 070935 | Deschutes R | Deschutes R | 05/09/96 | 60,427 | 65,625 | 62.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 61 | 0 | 0 | 0.11 | | |
| 1995 | 091745 | Deschutes R | Deschutes R | 04/15/97 | 25,938 | 26,280 | 41.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 104 | 1 | 0 | 0.47 | | |
| 1995 | 091744 | Deschutes R | Deschutes R | 04/15/97 | 14,910 | 15,061 | 69.78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 72 | 0 | 0 | 0.50 | | |
| 1995 | 091746 | Deschutes R | Deschutes R | 05/12/97 | 90,474 | 92,208 | 41.23 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 342 | 2 | 0 | 0.40 | | |
| 1995 | 091743 | Deschutes R | Deschutes R | 05/12/97 | 62,530 | 63,418 | 57.42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 63 | 3 | 0 | 0.11 | | |
| 1995 | 091741 | Deschutes R | Deschutes R | 05/12/97 | 61,232 | 61,732 | 62.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 204 | 2 | 0 | 0.35 | | |
| 1995 | 091742 | Deschutes R | Deschutes R | 05/12/97 | 61,102 | 61,995 | 63.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 116 | 0 | 0 | 0.20 | | |
| 1996 | 092224 | Deschutes R | Deschutes R | 04/13/98 | 30,875 | 31,699 | 37.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 149 | 15 | 0 | 0.62 | | |
| 1996 | 092223 | Deschutes R | Deschutes R | 04/13/98 | 15,216 | 16,397 | 52.74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 82 | 11 | 0 | 0.68 | | |
| 1996 | 092225 | Deschutes R | Deschutes R | 05/12/98 | 89,579 | 96,633 | 41.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 24 | 0 | 0 | 0.03 | | |
| 1996 | 092222 | Deschutes R | Deschutes R | 05/12/98 | 61,326 | 64,149 | 45.36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 33 | 4 | 0 | 0.07 | | |
| 1996 | 092220 | Deschutes R | Deschutes R | 05/12/98 | 57,619 | 60,145 | 50.40 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 103 | 3 | 0 | 0.22 | | |
| 1996 | 092221 | Deschutes R | Deschutes R | 05/12/98 | 62,075 | 63,213 | 56.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 59 | 5 | 0 | 0.11 | | |
| 1997 | 092551 | Deschutes R | Deschutes R | 05/09/99 | 68,539 | 71,395 | 57.93 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 634 | 15 | 0 | 1.06 | | |
| 1997 | 092553 | Deschutes R | Deschutes R | 05/09/99 | 78,655 | 79,611 | 58.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 699 | 9 | 0 | 1.00 | | |
| 1997 | 092552 | Deschutes R | Deschutes R | 05/09/99 | 71,362 | 72,375 | 60.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 637 | 11 | 0 | 0.99 | | |
| 1997 | 092554 | Deschutes R | Deschutes R | 05/09/99 | 80,535 | 80,940 | 63.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 515 | 12 | 0 | 0.73 | | |
| 1991 | 075022 | Deschutes R | Hood R, W Fk | 04/09/93 | 28,133 | 28,810 | 67.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | |
| 1994 | 071130 | Deschutes R | Hood R, W Fk | 05/09/96 | 121,296 | 127,156 | 45.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 0 | 0.01 | | |
| 1995 | 091806 | Deschutes R | Hood R, W Fk | 04/21/97 | 55,155 | 56,103 | 54.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0.02 | | |
| 1995 | 091747 | Deschutes R | Hood R, W Fk | 04/21/97 | 44,338 | 46,369 | 57.42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 17 | 0 | 0 | 0.04 | | |
| 1996 | 092226 | Deschutes R | Hood R, W Fk | 04/22/98 | 58,233 | 62,929 | 46.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 | | |
| 1996 | 092227 | Deschutes R | Hood R, W Fk | 04/22/98 | 62,886 | 63,730 | 46.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | |
| 1997 | 092555 | Hood R | Hood R, W Fk | 05/11/99 | 42,851 | 44,707 | 57.93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 136 | 14 | 0 | 0.39 | | |
| 1997 | 092556 | Hood R | Hood R, W Fk | 05/11/99 | 40,378 | 46,303 | 62.74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 121 | 11 | 0 | 0.36 | | |
| 1997 | 092557 | Hood R | Hood R, Mid Fk | 05/05/99 | 29,635 | 30,409 | 70.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 98 | 1 | 0 | 0.34 | | |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | |
|-----------------------------------|-------------|--------------|-----------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|----|---|----|-----|----|-----------------------|-----|-----|------|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | | 6+ |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | |
| South Santiam: | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1988 075208 | S Santiam R | Santiam R, S Fk | 11/15/89 | 33,177 | 479,297 | 62.13 | 8 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 38 | 0 | 0.19 | | |
| H | 1988 075210 | S Santiam R | Santiam R, S Fk | 03/06/90 | 14,486 | 144,636 | 54.64 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 9 | 19 | 0 | 0.41 | |
| H | 1988 075211 | S Santiam R | Santiam R, S Fk | 03/06/90 | 16,355 | 147,002 | 54.64 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 5 | 0.15 | |
| H | 1989 075501 | S Santiam R | Santiam R, S Fk | 11/19/90 | 127,939 | 402,459 | 48.25 | 133 | 20 | 26 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 11 | 285 | 283 | 6 | 0.60 | |
| H | 1989 075502 | S Santiam R | Santiam R, S Fk | 03/05/91 | 129,140 | 400,083 | 42.78 | 107 | 7 | 39 | 0 | 14 | 31 | 0 | 0 | 1 | 0 | 0 | 10 | 2 | 333 | 364 | 8 | 0.71 |
| H | 1989 075504 | S Santiam R | Santiam R, S Fk | 03/06/91 | 96,647 | 299,715 | 43.61 | 100 | 36 | 35 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 22 | 2 | 390 | 293 | 12 | 0.96 |
| H | 1990 075626 | S Santiam R | Santiam R, S Fk | 11/13/91 | 158,403 | 478,559 | 47.24 | 66 | 23 | 16 | 0 | 0 | 9 | 1 | 0 | 0 | 0 | 3 | 0 | 48 | 581 | 784 | 8 | 0.99 |
| H | 1990 075628 | S Santiam R | Santiam R, S Fk | 03/03/92 | 95,559 | 291,930 | 58.90 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 62 | 73 | 1 | 0.16 |
| H | 1990 075627 | S Santiam R | Santiam R, S Fk | 03/05/92 | 159,796 | 483,249 | 55.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0.00 |
| H | 1991 071457 | S Santiam R | Santiam R, S Fk | 11/13/92 | 162,055 | 499,788 | 54.64 | 34 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205 | 72 | 2 | 0.20 |
| H | 1991 071458 | S Santiam R | Santiam R, S Fk | 03/17/93 | 149,899 | 482,190 | 53.36 | 41 | 10 | 5 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 164 | 6 | 0.27 |
| H | 1991 071459 | S Santiam R | Santiam R, S Fk | 03/17/93 | 94,811 | 309,583 | 53.36 | 40 | 21 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 2 | 357 | 215 | 3 | 0.71 |
| H | 1992 071535 | S Santiam R | Santiam R, S Fk | 11/08/93 | 25,482 | 241,614 | 53.99 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 20 | 0 | 0.18 |
| H | 1992 071536 | S Santiam R | Santiam R, S Fk | 11/08/93 | 25,351 | 241,248 | 53.99 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 21 | 20 | 1 | 0.25 |
| H | 1992 076123 | S Santiam R | Santiam R, S Fk | 02/28/94 | 24,838 | 223,068 | 54.64 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 15 | 1 | 0.17 |
| H | 1992 076122 | S Santiam R | Santiam R, S Fk | 03/08/94 | 29,318 | 239,363 | 55.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 22 | 1 | 0.12 |
| H | 1993 070233 | S Santiam R | Santiam R, S Fk | 11/09/94 | 47,628 | 217,625 | 48.72 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 16 | 2 | 0.09 |
| H | 1993 070442 | S Santiam R | Santiam R, S Fk | 02/10/95 | 31,162 | 252,944 | 56.63 | 8 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 53 | 41 | 0 | 0.36 |
| H | 1993 070443 | S Santiam R | Santiam R, S Fk | 03/10/95 | 31,602 | 448,669 | 62.91 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 42 | 65 | 0 | 0.36 |
| H | 1994 071153 | S Santiam R | Santiam R, S Fk | 11/09/95 | 50,366 | 377,611 | 55.93 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 5 | 0 | 0.06 |
| H | 1994 070858 | S Santiam R | Santiam R, S Fk | 02/13/96 | 30,533 | 286,827 | 59.60 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 1 | 92 | 35 | 0 | 0.54 |
| H | 1994 070857 | S Santiam R | Santiam R, S Fk | 03/12/96 | 30,113 | 417,989 | 52.68 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 70 | 58 | 0 | 0.48 |
| H | 1995 070741 | S Santiam R | Santiam R, S Fk | 11/07/96 | 50,011 | 214,098 | 57.42 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 18 | 0 | 0.08 |
| H | 1995 071256 | S Santiam R | Santiam R, S Fk | 02/11/97 | 25,952 | 26,428 | 49.84 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 114 | 61 | 0 | 0.76 |
| H | 1995 071257 | S Santiam R | Santiam R, S Fk | 03/13/97 | 29,051 | 406,149 | 54.00 | 31 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 91 | 104 | 0 | 0.80 |
| H | 1996 092120 | S Santiam R | Santiam R, S Fk | 11/01/97 | 52,336 | 299,569 | 54.64 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 94 | 39 | 0 | 0.29 |
| H | 1996 092157 | S Santiam R | Santiam R, S Fk | 02/18/98 | 29,508 | 300,234 | 55.31 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 | 31 | 0 | 0.21 |
| H | 1996 092158 | S Santiam R | Santiam R, S Fk | 03/30/98 | 31,269 | 379,084 | 42.39 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 64 | 117 | 0 | 0.70 |
| | 1997 092627 | S Santiam R | Santiam R, S Fk | 11/02/98 | 283,842 | 304,596 | 54.85 | 15 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 225 | 155 | 0 | 0.15 |
| | 1997 092523 | S Santiam R | Santiam R, S Fk | 02/11/99 | 290,632 | 294,611 | 53.17 | 94 | 5 | 8 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 11 | 24 | 405 | 332 | 0 | 0.30 |
| | 1997 092524 | S Santiam R | Santiam R, S Fk | 03/30/99 | 258,943 | 268,983 | 49.14 | 112 | 28 | 21 | 0 | 0 | 21 | 11 | 3 | 10 | 2 | 0 | 13 | 41 | 967 | 1065 | 0 | 0.89 |
| | 1997 092513 | S Santiam R | Santiam R, S Fk | 04/15/99 | 139,377 | 148,881 | 53.17 | 46 | 15 | 19 | 0 | 0 | 5 | 5 | 0 | 11 | 7 | 0 | 1 | 33 | 526 | 369 | 0 | 0.75 |
| Umatilla: | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1991 071451 | Carson (WA) | Umatilla R | 05/11/92 | 52,128 | 98,617 | 11.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1991 071449 | Carson (WA) | Umatilla R | 05/11/92 | 51,518 | 109,528 | 11.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1991 071452 | Carson (WA) | Umatilla R | 05/11/92 | 51,659 | 108,652 | 12.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1991 071450 | Carson (WA) | Umatilla R | 05/12/92 | 51,271 | 109,997 | 12.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|--------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----------------------|----|---|----|---|---------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | |
| Umatilla (Continued): | | | | | | | | | | | | | | | | | | | | | | |
| H | 1991 071447 | Carson (WA) | Umatilla R | 05/12/92 | 50,047 | 104,670 | 12.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 071448 | Carson (WA) | Umatilla R | 05/12/92 | 51,707 | 104,929 | 12.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 071445 | Carson (WA) | Umatilla R | 05/12/92 | 49,498 | 63,305 | 14.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 071444 | Carson (WA) | Umatilla R | 05/12/92 | 48,051 | 63,585 | 14.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 071443 | Carson (WA) | Umatilla R | 05/13/92 | 50,611 | 97,013 | 14.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 071446 | Carson (WA) | Umatilla R | 05/13/92 | 50,045 | 95,456 | 14.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 071543 | Carson (WA) | Umatilla R | 11/05/92 | 25,633 | 50,680 | 23.26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0.01 |
| H | 1991 071542 | Carson (WA) | Umatilla R | 11/05/92 | 26,135 | 50,736 | 23.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 075739 | Carson (WA) | Umatilla R | 03/23/93 | 21,499 | 50,311 | 55.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0.01 |
| H | 1991 075740 | Carson (WA) | Umatilla R | 03/23/93 | 20,880 | 50,109 | 56.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 075742 | Carson (WA) | Umatilla R | 03/24/93 | 20,307 | 54,015 | 52.74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 075741 | Carson (WA) | Umatilla R | 03/24/93 | 21,157 | 54,347 | 54.65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 076132 | Carson (WA) | Umatilla R | 06/01/93 | 52,893 | 113,852 | 15.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 076133 | Carson (WA) | Umatilla R | 06/01/93 | 52,335 | 116,316 | 16.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 076134 | Carson (WA) | Umatilla R | 06/01/93 | 51,963 | 111,333 | 16.55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 076135 | Carson (WA) | Umatilla R | 06/01/93 | 51,680 | 109,473 | 16.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 076137 | Carson (WA) | Umatilla R | 06/02/93 | 52,172 | 111,103 | 16.73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 076136 | Carson (WA) | Umatilla R | 06/02/93 | 52,588 | 105,290 | 16.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 070216 | Carson (WA) | Umatilla R | 11/16/93 | 36,102 | 47,867 | 21.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0.01 |
| H | 1992 070159 | Carson (WA) | Umatilla R | 11/16/93 | 34,541 | 49,694 | 22.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0.00 |
| H | 1992 070162 | Carson (WA) | Umatilla R | 11/16/93 | 35,467 | 48,343 | 22.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0.03 |
| H | 1992 070161 | Carson (WA) | Umatilla R | 11/17/93 | 35,657 | 52,211 | 21.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 070160 | Carson (WA) | Umatilla R | 11/17/93 | 35,408 | 49,081 | 21.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0.01 |
| H | 1992 070163 | Carson (WA) | Umatilla R | 11/17/93 | 36,157 | 49,318 | 21.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.00 |
| H | 1992 070158 | Carson (WA) | Umatilla R | 11/17/93 | 34,130 | 41,244 | 23.62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0.01 |
| H | 1992 070156 | Carson (WA) | Umatilla R | 11/17/93 | 33,999 | 42,734 | 24.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 070155 | Carson (WA) | Umatilla R | 11/17/93 | 35,710 | 40,661 | 24.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0.01 |
| H | 1992 070157 | Carson (WA) | Umatilla R | 11/17/93 | 34,857 | 39,656 | 25.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 070219 | Carson (WA) | Umatilla R | 03/21/94 | 20,971 | 52,620 | 51.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0.05 |
| H | 1992 070217 | Carson (WA) | Umatilla R | 03/21/94 | 20,070 | 51,210 | 53.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1992 070218 | Carson (WA) | Umatilla R | 03/21/94 | 19,920 | 49,375 | 55.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0.07 |
| H | 1992 070220 | Carson (WA) | Umatilla R | 03/22/94 | 20,982 | 51,938 | 53.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 1 | 0.12 |
| H | 1993 070734 | Carson (WA) | Umatilla R | 05/20/94 | 49,726 | 140,255 | 14.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0.00 |
| H | 1993 070735 | Carson (WA) | Umatilla R | 05/20/94 | 52,298 | 142,237 | 14.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1993 070738 | Carson (WA) | Umatilla R | 05/20/94 | 51,042 | 138,665 | 14.86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1993 070739 | Carson (WA) | Umatilla R | 05/20/94 | 52,317 | 135,990 | 14.86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1993 070736 | Carson (WA) | Umatilla R | 05/20/94 | 52,636 | 140,227 | 15.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1993 070737 | Carson (WA) | Umatilla R | 05/20/94 | 53,172 | 142,003 | 15.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|--------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----------------------|----|-----|-----|----|---------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | |
| Umatilla (Continued): | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1993 070726 | Carson (WA) | Umatilla R | 11/15/94 | 35,156 | 39,551 | 43.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 | 1 | 0 | 0.03 |
| H | 1993 070733 | Carson (WA) | Umatilla R | 11/15/94 | 34,220 | 34,668 | 47.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 | 1 | 0 | 0.04 |
| H | 1993 070728 | Carson (WA) | Umatilla R | 11/15/94 | 34,808 | 38,234 | 47.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0.01 |
| H | 1993 070729 | Carson (WA) | Umatilla R | 11/15/94 | 35,160 | 40,383 | 48.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 4 | 0 | 0 | 0.02 |
| H | 1993 070725 | Carson (WA) | Umatilla R | 11/15/94 | 34,824 | 39,517 | 48.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 1 | 0 | 0.03 |
| H | 1993 070727 | Carson (WA) | Umatilla R | 11/15/94 | 34,790 | 39,487 | 49.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 1 | 0 | 0.02 |
| H | 1993 070724 | Carson (WA) | Umatilla R | 11/15/94 | 34,124 | 39,548 | 50.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 0 | 0.02 |
| H | 1993 070731 | Carson (WA) | Umatilla R | 11/15/94 | 35,750 | 37,096 | 58.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 | 0 | 0 | 0.04 |
| H | 1993 070732 | Carson (WA) | Umatilla R | 11/15/94 | 32,251 | 32,700 | 61.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 0 | 0 | 0.04 |
| H | 1993 070730 | Carson (WA) | Umatilla R | 11/15/94 | 34,915 | 37,073 | 62.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 9 | 0 | 0 | 0.05 | |
| H | 1993 070660 | Carson (WA) | Umatilla R | 03/13/95 | 23,607 | 74,735 | 32.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 33 | 3 | 0 | 0.19 | |
| H | 1993 070651 | Carson (WA) | Umatilla R | 03/13/95 | 18,864 | 49,001 | 54.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0.01 |
| H | 1993 070653 | Carson (WA) | Umatilla R | 03/13/95 | 18,175 | 44,188 | 55.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 0 | 0 | 0 | 0.04 |
| H | 1993 071454 | Carson (WA) | Umatilla R | 03/13/95 | 15,661 | 40,685 | 55.93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0.03 |
| H | 1993 070654 | Carson (WA) | Umatilla R | 03/13/95 | 19,091 | 47,846 | 57.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| H | 1993 071453 | Carson (WA) | Umatilla R | 03/13/95 | 20,315 | 50,007 | 60.40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0.01 |
| H | 1993 070652 | Carson (WA) | Umatilla R | 03/13/95 | 19,052 | 44,077 | 61.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0.04 |
| H | 1993 070661 | Carson (WA) | Umatilla R | 04/14/95 | 28,765 | 74,921 | 39.75 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 77 | 7 | 0 | 0 | 0.32 |
| H | 1993 070649 | Carson (WA) | Umatilla R | 04/21/95 | 22,189 | 123,257 | 43.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 67 | 8 | 0 | 0 | 0.37 |
| H | 1993 070650 | Carson (WA) | Umatilla R | 04/21/95 | 24,088 | 124,614 | 44.42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 60 | 12 | 0 | 0 | 0.35 |
| H | 1994 071028 | Carson (WA) | Umatilla R | 03/13/96 | 18,844 | 45,887 | 41.96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1994 071033 | Carson (WA) | Umatilla R | 03/13/96 | 19,583 | 56,709 | 47.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1994 071027 | Carson (WA) | Umatilla R | 03/13/96 | 19,622 | 49,032 | 50.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.01 |
| H | 1994 071029 | Carson (WA) | Umatilla R | 03/13/96 | 19,258 | 49,121 | 50.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1994 071031 | Carson (WA) | Umatilla R | 03/13/96 | 20,066 | 60,137 | 51.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1994 071032 | Carson (WA) | Umatilla R | 03/13/96 | 19,874 | 57,076 | 52.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0.01 |
| H | 1994 071030 | Carson (WA) | Umatilla R | 03/13/96 | 19,961 | 60,599 | 60.40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1995 091730 | Carson (WA) | Umatilla R | 03/26/97 | 19,842 | 57,668 | 48.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 97 | 13 | 0 | 0 | 0.56 |
| H | 1995 091750 | Carson (WA) | Umatilla R | 03/26/97 | 20,289 | 56,901 | 48.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 121 | 19 | 0 | 0.71 |
| H | 1995 091749 | Carson (WA) | Umatilla R | 03/26/97 | 19,818 | 56,764 | 50.96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 77 | 14 | 0 | 0 | 0.48 |
| H | 1995 091751 | Carson (WA) | Umatilla R | 03/26/97 | 20,597 | 54,550 | 50.96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 147 | 18 | 0 | 0 | 0.81 |
| H | 1996 071420 | Carson (WA) | Umatilla R | 03/08/98 | 19,403 | 172,999 | 29.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 18 | 0 | 0 | 0 | 0.11 |
| H | 1996 092262 | Carson (WA) | Umatilla R | 03/08/98 | 23,778 | 53,318 | 37.80 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 87 | 5 | 0 | 0 | 0.44 |
| H | 1996 092260 | Carson (WA) | Umatilla R | 03/08/98 | 22,759 | 59,744 | 38.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 97 | 3 | 0 | 0 | 0.48 |
| H | 1996 092261 | Carson (WA) | Umatilla R | 03/08/98 | 23,248 | 53,502 | 38.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 85 | 3 | 0 | 0 | 0.41 |
| H | 1996 092259 | Carson (WA) | Umatilla R | 03/08/98 | 23,247 | 60,277 | 38.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 82 | 1 | 0 | 0 | 0.40 |
| H | 1996 092258 | Carson (WA) | Umatilla R | 03/08/98 | 22,450 | 51,743 | 39.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 71 | 2 | 0 | 0 | 0.38 |
| H | 1996 092256 | Carson (WA) | Umatilla R | 03/08/98 | 23,162 | 52,159 | 40.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 69 | 6 | 0 | 0 | 0.36 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|----------------|------------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----------------------|----|---|---|----|---------|------|-----|------|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | | |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Umatilla (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1996 092257 | Carson (WA) | Umatilla R | 03/08/98 | 22,788 | 51,972 | 40.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.34 | | | | |
| H | 1996 076036 | Carson (WA) | Umatilla R | 04/14/98 | 18,721 | 99,641 | 27.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.27 | | | | |
| H | 1996 075743 | Carson (WA) | Umatilla R | 04/14/98 | 19,255 | 172,258 | 39.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.08 | | | | |
| | 1997 092414 | Umatilla R | Umatilla R | 12/20/98 | 21,795 | 61,849 | 24.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.12 | | | | |
| | 1997 092416 | Umatilla R | Umatilla R | 12/20/98 | 21,969 | 52,521 | 24.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.19 | | | | |
| | 1997 092412 | Umatilla R | Umatilla R | 03/08/99 | 21,833 | 51,018 | 31.41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.20 | | | | |
| | 1997 092413 | Umatilla R | Umatilla R | 03/08/99 | 21,602 | 53,403 | 32.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | | | |
| | 1997 092347 | Umatilla R | Umatilla R | 03/08/99 | 20,832 | 49,190 | 32.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.13 | | | | |
| | 1997 092415 | Umatilla R | Umatilla R | 03/08/99 | 21,740 | 51,319 | 35.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.29 | | | | |
| Willamette: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1997 092511 | M Willamette R | Fall Cr (MF Wil) | 03/03/99 | 87,361 | 90,722 | 49.73 | 9 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 229 | 178 | 0 | 0.52 | | |
| H | 1996 092062 | S Santiam R | Molalla R | 02/27/98 | 24,413 | 68,398 | 41.61 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 46 | 3 | 0.48 | | |
| | 1997 092509 | S Santiam R | Molalla R | 11/04/98 | 29,836 | 30,193 | 54.45 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 35 | 20 | 0 | 0.22 | |
| | 1997 092520 | S Santiam R | Molalla R | 03/04/99 | 57,520 | 60,626 | 48.62 | 25 | 0 | 6 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 159 | 123 | 0 | 0.56 | |
| H | 1994 070955 | M Willamette R | Willamette R | 11/28/95 | 28,349 | 172,858 | 68.62 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 27 | 27 | 0 | 0.26 | |
| H | 1995 091715 | M Willamette R | Willamette R | 11/09/96 | 30,888 | 86,216 | 53.30 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 | 23 | 0 | 0.19 | |
| H | 1996 092159 | McKenzie R | Willamette R | 11/04/97 | 52,301 | 61,099 | 48.20 | 24 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 94 | 72 | 0 | 0.39 | |
| | 1997 092507 | McKenzie R | Willamette R | 11/03/98 | 30,625 | 31,050 | 48.82 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 74 | 25 | 0 | 0.35 | |
| | 1997 092508 | McKenzie R | Willamette R | 11/03/98 | 29,562 | 30,140 | 51.02 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 80 | 11 | 0 | 0.35 | |
| H | 1988 075204 | M Willamette R | Willamette R, MF | 08/23/89 | 33,418 | 33,892 | 15.91 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 0 | 0.05 | |
| H | 1988 075207 | M Willamette R | Willamette R, MF | 11/13/89 | 30,570 | 408,536 | 66.69 | 16 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 98 | 122 | 1 | 0.85 | |
| H | 1988 075162 | M Willamette R | Willamette R, MF | 03/07/90 | 14,897 | 407,622 | 40.13 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 104 | 0 | 1.03 | |
| H | 1988 075163 | M Willamette R | Willamette R, MF | 03/07/90 | 15,209 | 408,346 | 40.13 | 10 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 73 | 118 | 0 | 1.41 |
| H | 1989 075433 | M Willamette R | Willamette R, MF | 08/14/90 | 26,424 | 27,270 | 15.12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 2 | 0 | 0.12 | |
| H | 1989 075434 | M Willamette R | Willamette R, MF | 08/14/90 | 26,348 | 26,831 | 16.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 1 | 0 | 0.09 | |
| H | 1989 075347 | M Willamette R | Willamette R, MF | 11/16/90 | 15,050 | 185,424 | 62.99 | 25 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 110 | 63 | 0 | 1.36 | |
| H | 1989 075348 | M Willamette R | Willamette R, MF | 11/16/90 | 15,045 | 185,426 | 62.99 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 85 | 78 | 1 | 1.26 | |
| H | 1989 075508 | M Willamette R | Willamette R, MF | 02/28/91 | 27,546 | 47,680 | 30.44 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69 | 77 | 1 | 0.60 | |
| H | 1989 075507 | M Willamette R | Willamette R, MF | 02/28/91 | 32,004 | 125,424 | 31.49 | 16 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 64 | 45 | 1 | 0.42 | |
| H | 1989 075513 | M Willamette R | Willamette R, MF | 02/28/91 | 26,231 | 49,203 | 31.94 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 0 | 0.05 | |
| H | 1989 075511 | M Willamette R | Willamette R, MF | 02/28/91 | 26,935 | 49,868 | 33.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0.03 | |
| H | 1989 075512 | M Willamette R | Willamette R, MF | 02/28/91 | 30,842 | 55,304 | 33.35 | 2 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 9 | 0 | 0.11 | |
| H | 1989 075514 | M Willamette R | Willamette R, MF | 02/28/91 | 29,753 | 37,907 | 40.86 | 9 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 78 | 98 | 1 | 0.65 | |
| H | 1989 075463 | M Willamette R | Willamette R, MF | 02/28/91 | 29,692 | 37,680 | 41.99 | 15 | 0 | 0 | 2 | 0 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 126 | 110 | 3 | 0.91 | |
| H | 1989 075517 | M Willamette R | Willamette R, MF | 02/28/91 | 17,366 | 19,600 | 46.28 | 17 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 56 | 1 | 0.96 | |
| H | 1989 075509 | M Willamette R | Willamette R, MF | 03/01/91 | 25,319 | 47,256 | 28.89 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0.02 | |
| H | 1989 075510 | M Willamette R | Willamette R, MF | 03/01/91 | 28,834 | 52,479 | 29.64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 5 | 5 | 0.09 | |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | | |
|-----------------------------------|-------------|----------------|------------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|---|----|-----|------|------|-------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | Surv. |
| SPRING CHINOOK SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Willamette (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1989 075505 | M Willamette R | Willamette R, MF | 03/01/91 | 28,825 | 100,793 | 37.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | | |
| H | 1989 075506 | M Willamette R | Willamette R, MF | 03/01/91 | 27,062 | 33,276 | 38.43 | 15 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 54 | 78 | 2 | 0.58 |
| H | 1989 075518 | M Willamette R | Willamette R, MF | 03/01/91 | 17,989 | 18,260 | 41.23 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 91 | 92 | 2 | 1.12 |
| H | 1989 075503 | M Willamette R | Willamette R, MF | 03/01/91 | 31,462 | 38,948 | 42.38 | 19 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 133 | 96 | 1 | 0.82 |
| H | 1989 075516 | M Willamette R | Willamette R, MF | 03/03/91 | 32,008 | 73,928 | 47.24 | 19 | 4 | 7 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 250 | 155 | 1 | 1.41 |
| H | 1989 075515 | M Willamette R | Willamette R, MF | 03/09/91 | 32,008 | 73,928 | 47.24 | 25 | 7 | 4 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 208 | 139 | 15 | 1.28 |
| H | 1990 075722 | M Willamette R | Willamette R, MF | 08/20/91 | 25,273 | 25,273 | 19.06 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 27 | 9 | 1 | 0.17 |
| H | 1990 075723 | M Willamette R | Willamette R, MF | 08/20/91 | 26,666 | 26,666 | 19.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 8 | 0 | 0.13 |
| H | 1990 075021 | M Willamette R | Willamette R, MF | 11/14/91 | 28,547 | 354,478 | 58.90 | 11 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 75 | 217 | 95 | 0 | 1.45 |
| H | 1990 075635 | M Willamette R | Willamette R, MF | 03/02/92 | 27,881 | 120,855 | 34.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 3 | 1 | 0.07 | |
| H | 1990 075641 | M Willamette R | Willamette R, MF | 03/02/92 | 32,614 | 58,804 | 34.36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1990 075642 | M Willamette R | Willamette R, MF | 03/02/92 | 31,961 | 57,628 | 34.89 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | 0 | 0 | 0.05 |
| H | 1990 075636 | M Willamette R | Willamette R, MF | 03/02/92 | 31,724 | 113,437 | 36.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0.02 |
| H | 1990 075633 | M Willamette R | Willamette R, MF | 03/02/92 | 29,676 | 37,475 | 40.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0.02 |
| H | 1990 075631 | M Willamette R | Willamette R, MF | 03/02/92 | 30,748 | 38,511 | 42.78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 29 | 38 | 0 | 0.22 |
| H | 1990 074043 | M Willamette R | Willamette R, MF | 03/02/92 | 21,444 | 21,546 | 44.03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 39 | 0 | 0.28 |
| H | 1990 075634 | M Willamette R | Willamette R, MF | 03/02/92 | 31,263 | 37,421 | 45.35 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0.03 |
| H | 1990 075638 | M Willamette R | Willamette R, MF | 03/03/92 | 29,690 | 53,525 | 28.52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0.01 |
| H | 1990 075637 | M Willamette R | Willamette R, MF | 03/03/92 | 32,112 | 58,016 | 28.89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1990 075639 | M Willamette R | Willamette R, MF | 03/03/92 | 28,813 | 51,952 | 33.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0.01 |
| H | 1990 075640 | M Willamette R | Willamette R, MF | 03/03/92 | 30,755 | 55,455 | 34.62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0.02 |
| H | 1990 075632 | M Willamette R | Willamette R, MF | 03/03/92 | 32,483 | 38,881 | 43.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0.02 |
| H | 1990 074044 | M Willamette R | Willamette R, MF | 03/03/92 | 19,250 | 19,346 | 50.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0.04 |
| H | 1990 075643 | M Willamette R | Willamette R, MF | 03/05/92 | 32,470 | 194,186 | 55.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 46 | 46 | 1 | 0.29 |
| H | 1990 075644 | M Willamette R | Willamette R, MF | 03/05/92 | 32,240 | 194,185 | 55.99 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 44 | 64 | 1 | 0.39 |
| H | 1991 075937 | M Willamette R | Willamette R, MF | 08/19/92 | 49,043 | 49,938 | 21.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1991 075904 | M Willamette R | Willamette R, MF | 11/09/92 | 28,709 | 265,326 | 82.46 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 98 | 38 | 0 | 0.51 |
| H | 1991 075928 | M Willamette R | Willamette R, MF | 03/12/93 | 24,412 | 44,015 | 34.89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0.02 |
| H | 1991 075932 | M Willamette R | Willamette R, MF | 03/12/93 | 22,901 | 49,191 | 34.89 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0.03 |
| H | 1991 075930 | M Willamette R | Willamette R, MF | 03/12/93 | 23,452 | 47,499 | 36.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0.03 |
| H | 1991 075927 | M Willamette R | Willamette R, MF | 03/12/93 | 22,437 | 42,883 | 37.49 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 11 | 0 | 0.10 |
| H | 1991 075929 | M Willamette R | Willamette R, MF | 03/12/93 | 26,372 | 50,580 | 38.12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 11 | 0 | 0.12 |
| H | 1991 075931 | M Willamette R | Willamette R, MF | 03/12/93 | 22,655 | 52,786 | 39.44 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 11 | 3 | 0.15 |
| H | 1991 075926 | M Willamette R | Willamette R, MF | 03/12/93 | 27,019 | 105,792 | 47.25 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 12 | 0 | 0.30 |
| H | 1991 075936 | M Willamette R | Willamette R, MF | 03/12/93 | 19,190 | 19,968 | 47.25 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 53 | 17 | 5 | 0.48 |
| H | 1991 075922 | M Willamette R | Willamette R, MF | 03/12/93 | 27,554 | 36,480 | 48.25 | 17 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 75 | 27 | 0 | 0.45 |
| H | 1991 075925 | M Willamette R | Willamette R, MF | 03/12/93 | 26,258 | 101,943 | 48.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 22 | 0 | 0.18 |
| H | 1991 075924 | M Willamette R | Willamette R, MF | 03/12/93 | 27,919 | 38,023 | 48.77 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 | 32 | 0 | 0.47 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | |
|------------------------|-------------|--------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|----|---|----|-----|----|-----------------------|-----|-----|---|----|---------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | 6+ | | |
| COHO SALMON | | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Creek: | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 075616 | Big Creek | Big Cr | 06/01/92 | 26,774 | 195,943 | 46.30 | 0 | 0 | 6 | 0 | 4 | 27 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 66 | 0 | 0 | 0 | 0.41 |
| H | 1990 075617 | Big Creek | Big Cr | 06/08/92 | 27,209 | 357,982 | 30.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0.10 |
| H | 1991 071516 | Big Creek | Big Cr | 06/03/93 | 27,295 | 193,856 | 47.74 | 0 | 0 | 28 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 396 | 0 | 0 | 0 | 1.57 |
| H | 1991 071517 | Big Creek | Big Cr | 06/10/93 | 27,612 | 366,320 | 31.06 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 158 | 0 | 0 | 0 | 0.60 |
| H | 1992 070256 | Big Creek | Big Cr | 06/03/94 | 25,880 | 301,630 | 32.63 | 0 | 0 | 18 | 0 | 0 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | 0 | 0 | 0.39 |
| H | 1992 070257 | Big Creek | Big Cr | 06/03/94 | 25,887 | 164,360 | 45.81 | 0 | 0 | 5 | 0 | 0 | 45 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 293 | 0 | 0 | 0 | 1.36 |
| H | 1993 070137 | Big Creek | Big Cr | 04/28/95 | 27,418 | 130,654 | 43.99 | 0 | 0 | 0 | 0 | 0 | 13 | 2 | 0 | 0 | 0 | 0 | 0 | 16 | 166 | 0 | 0 | 0 | 0.72 |
| H | 1993 070138 | Big Creek | Big Cr | 05/31/95 | 26,424 | 403,203 | 41.20 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 197 | 0 | 0 | 0 | 0.78 |
| H | 1994 070958 | Big Creek | Big Cr | 05/06/96 | 28,110 | 141,056 | 32.63 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 88 | 0 | 0 | 0 | 0.33 |
| H | 1994 070959 | Big Creek | Big Cr | 06/05/96 | 27,957 | 402,510 | 37.18 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 301 | 0 | 0 | 0 | 1.12 |
| H | 1995 070842 | Big Creek | Big Cr | 04/30/97 | 27,589 | 146,067 | 35.16 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 18 | 206 | 0 | 0 | 0 | 0.84 |
| H | 1995 070946 | Big Creek | Big Cr | 05/30/97 | 27,707 | 389,635 | 37.49 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 120 | 0 | 0 | 0 | 0.45 |
| H | 1996 092254 | Big Creek | Big Cr | 04/24/98 | 24,849 | 146,064 | 36.58 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 2 | 0 | 0 | 0 | 26 | 196 | 0 | 0 | 0 | 0.93 |
| H | 1996 092255 | Big Creek | Big Cr | 05/28/98 | 26,284 | 355,130 | 39.10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 79 | 0 | 0 | 0 | 0.33 |
| H | 1997 092420 | Big Creek | Big Cr | 04/26/99 | 26,386 | 142,730 | 38.76 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 2 | 6 | 4 | 0 | 0 | 27 | 364 | 0 | 0 | 0 | 1.57 |
| H | 1997 092419 | Big Creek | Big Cr | 05/25/99 | 26,259 | 382,612 | 39.10 | 0 | 0 | 0 | 0 | 0 | 18 | 8 | 0 | 14 | 15 | 0 | 0 | 9 | 349 | 0 | 0 | 0 | 1.57 |
| H | 1998 092434 | Big Creek | Big Cr | 04/15/00 | 25,602 | 145,353 | 37.50 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 3 | 110 | 29 | 0 | 0 | 0 | 0.75 |
| H | 1998 092431 | Big Creek | Big Cr | 05/15/00 | 25,513 | 398,106 | 39.10 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 94 | 0 | 0 | 0 | 1.06 |
| H | 1999 092731 | Big Creek | Big Cr | 04/01/01 | 27,026 | 145,147 | 37.09 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0.17 |
| H | 1999 092732 | Big Creek | Big Cr | 05/01/01 | 26,766 | 392,038 | 37.12 | 0 | 0 | 0 | 0 | 0 | 42 | 7 | 9 | 4 | 7 | 0 | 0 | 63 | 902 | 0 | 0 | 0 | 3.86 |
| H | 1991 076025 | Big Creek | Tualatin R | 05/03/93 | 26,885 | 60,052 | 30.85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0.04 |
| H | 1992 075154 | Big Creek | Tualatin R | 05/16/94 | 26,533 | 60,239 | 29.45 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.02 |
| H | 1993 075263 | Big Creek | Tualatin R | 05/03/95 | 26,303 | 59,250 | 32.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1994 075334 | Big Creek | Tualatin R | 05/13/96 | 26,426 | 59,919 | 32.40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0.09 |
| H | 1995 091813 | Big Creek | Tualatin R | 04/29/97 | 25,222 | 60,000 | 31.72 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0.02 |
| H | 1996 092417 | Big Creek | Tualatin R | 04/27/98 | 27,506 | 60,152 | 32.40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0.06 |
| Bonneville: | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 075748 | Tanner Cr | Tanner Cr | 04/27/92 | 26,749 | 819,660 | 36.90 | 0 | 0 | 11 | 0 | 0 | 16 | 13 | 3 | 6 | 9 | 0 | 5 | 7 | 252 | 0 | 0 | 0 | 1.20 |
| H | 1990 075747 | Tanner Cr | Tanner Cr | 04/27/92 | 28,692 | 345,410 | 41.60 | 0 | 0 | 0 | 0 | 0 | 89 | 26 | 3 | 13 | 5 | 14 | 44 | 60 | 441 | 0 | 0 | 0 | 2.42 |
| H | 1990 075749 | Tanner Cr | Tanner Cr | 06/01/92 | 27,001 | 1,011,595 | 30.60 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 15 | 0 | 0 | 0 | 0.09 |
| H | 1991 071533 | Tanner Cr | Tanner Cr | 05/17/93 | 27,011 | 344,180 | 31.94 | 3 | 0 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 688 | 0 | 0 | 0 | 2.62 |
| H | 1991 071534 | Tanner Cr | Tanner Cr | 06/08/93 | 28,042 | 767,584 | 33.10 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 573 | 0 | 0 | 0 | 2.09 |
| H | 1992 074936 | Tanner Cr | Tanner Cr | 04/19/94 | 26,606 | 871,511 | 28.52 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 0 | 0 | 0 | 0 | 2 | 6 | 65 | 0 | 0 | 0 | 0.32 |
| H | 1992 075130 | Tanner Cr | Tanner Cr | 05/31/94 | 11,937 | 165,957 | 38.11 | 0 | 0 | 18 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 86 | 0 | 0 | 0 | 0.96 |
| H | 1993 075445 | Tanner Cr | Tanner Cr | 04/26/95 | 26,529 | 274,691 | 33.35 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 0 | 0 | 0 | 0 | 4 | 18 | 227 | 0 | 0 | 0 | 0.99 |
| H | 1993 075446 | Tanner Cr | Tanner Cr | 06/09/95 | 25,407 | 1,004,506 | 40.50 | 0 | 0 | 3 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0.83 |
| H | 1994 075413 | Tanner Cr | Tanner Cr | 02/12/96 | 23,615 | 332,739 | 30.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 0.06 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|--------------|---------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|-----|----|----|-----------------------|----|----|----|-----|---------|----|------|-----|-----|---|---|---|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | | | | | | |
| COHO SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bonneville (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1994 075414 | Tanner Cr | Tanner Cr | 06/07/96 | 25,080 | 887,011 | 36.58 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 472 | 0 | 0 | 0 | 0 | 1.91 |
| H | 1995 091817 | Tanner Cr | Tanner Cr | 04/24/97 | 28,488 | 332,386 | 40.49 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 324 | 0 | 0 | 0 | 0 | 1.22 |
| H | 1995 091819 | Tanner Cr | Tanner Cr | 05/12/97 | 27,842 | 782,863 | 31.06 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 0.21 |
| H | 1996 092307 | Tanner Cr | Tanner Cr | 04/30/98 | 20,478 | 292,480 | 45.36 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 4 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 248 | 0 | 0 | 0 | 0 | 1.38 | |
| H | 1996 092303 | Tanner Cr | Tanner Cr | 06/04/98 | 21,814 | 698,556 | 37.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 0 | 0 | 0 | 0 | 0.29 |
| H | 1997 092418 | Tanner Cr | Tanner Cr | 04/30/99 | 25,196 | 377,983 | 35.16 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 11 | 1 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 11 | 529 | 0 | 0 | 0 | 0 | 2.33 | |
| H | 1997 092421 | Tanner Cr | Tanner Cr | 06/01/99 | 25,855 | 938,448 | 32.39 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 297 | 0 | 0 | 0 | 0 | 1.20 |
| H | 1998 092726 | Tanner Cr | Tanner Cr | 05/02/00 | 26,133 | 394,966 | 34.90 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 26 | 6 | 10 | 10 | 0 | 0 | 0 | 0 | 42 | 824 | 0 | 0 | 0 | 0 | 0 | 3.67 | |
| H | 1998 092715 | Tanner Cr | Tanner Cr | 06/01/00 | 26,888 | 781,116 | 37.80 | 0 | 0 | 0 | 0 | 0 | 0 | 145 | 63 | 16 | 15 | 42 | 0 | 0 | 0 | 0 | 9 | 1602 | 0 | 0 | 0 | 0 | 0 | 7.04 | |
| H | 1999 092733 | Tanner Cr | Tanner Cr | 05/31/00 | 26,292 | 832,854 | 31.94 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 13 | 2 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 505 | 0 | 0 | 0 | 0 | 2.21 | |
| H | 1999 093012 | Tanner Cr | Tanner Cr | 04/30/01 | 24,631 | 416,801 | 35.63 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 19 | 2 | 12 | 4 | 5 | 0 | 0 | 0 | 19 | 740 | 0 | 0 | 0 | 0 | 0 | 3.42 | |
| Cascade/Oxbow: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1999 093011 | Tanner Cr | Methow R (WA) | 05/15/01 | 25,576 | 26,083 | 23.82 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0.02 |
| H | 1990 075622 | Tanner Cr | Umatilla R | 03/18/92 | 27,458 | 244,550 | 28.70 | 0 | 0 | 4 | 0 | 4 | 19 | 1 | 0 | 3 | 6 | 0 | 18 | 3 | 149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.75 |
| H | 1990 075621 | Tanner Cr | Umatilla R | 03/18/92 | 27,705 | 244,615 | 28.90 | 0 | 0 | 0 | 0 | 0 | 42 | 8 | 2 | 9 | 12 | 10 | 18 | 1 | 193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.06 |
| H | 1990 075620 | Tanner Cr | Umatilla R | 03/20/92 | 27,908 | 472,221 | 29.40 | 0 | 0 | 3 | 0 | 0 | 16 | 12 | 0 | 1 | 14 | 4 | 11 | 2 | 134 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.71 |
| H | 1991 071522 | Tanner Cr | Umatilla R | 04/07/93 | 27,821 | 218,618 | 25.92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.26 |
| H | 1991 071523 | Tanner Cr | Umatilla R | 04/07/93 | 27,984 | 219,266 | 25.92 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 0.18 |
| H | 1991 071521 | Tanner Cr | Umatilla R | 04/09/93 | 28,273 | 454,794 | 25.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.20 |
| H | 1992 070337 | Tanner Cr | Umatilla R | 04/07/94 | 27,166 | 418,222 | 25.06 | 0 | 0 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.23 |
| H | 1992 070339 | Tanner Cr | Umatilla R | 04/07/94 | 27,010 | 232,778 | 26.52 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.21 |
| H | 1992 070338 | Tanner Cr | Umatilla R | 04/07/94 | 27,452 | 233,105 | 26.68 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.30 |
| H | 1993 070559 | Tanner Cr | Umatilla R | 03/31/95 | 26,498 | 497,449 | 31.26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 |
| H | 1993 070557 | Tanner Cr | Umatilla R | 04/04/95 | 26,421 | 250,970 | 30.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.06 |
| H | 1993 070558 | Tanner Cr | Umatilla R | 04/04/95 | 26,381 | 251,135 | 30.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.09 |
| H | 1994 071150 | Tanner Cr | Umatilla R | 03/25/96 | 26,860 | 465,769 | 25.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 |
| H | 1994 071146 | Tanner Cr | Umatilla R | 04/03/96 | 26,319 | 500,005 | 25.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.07 |
| H | 1994 071145 | Tanner Cr | Umatilla R | 04/12/96 | 25,878 | 511,609 | 24.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.07 |
| H | 1995 071360 | Umatilla R | Umatilla R | 04/03/97 | 24,807 | 438,153 | 28.34 | 3 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 6 | 0 | 0 | 1 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.28 |
| H | 1996 092308 | Tanner Cr | Umatilla R | 03/27/98 | 26,759 | 528,350 | 27.83 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.20 |
| H | 1996 092309 | Tanner Cr | Umatilla R | 04/02/98 | 26,791 | 526,082 | 27.00 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 1 | 4 | 0 | 0 | 1 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.32 |
| H | 1996 092313 | Tanner Cr | Umatilla R | 04/02/98 | 25,967 | 525,304 | 27.00 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 2 | 5 | 1 | 0 | 0 | 4 | 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.62 |
| H | 1997 092423 | Tanner Cr | Umatilla R | 03/24/99 | 26,537 | 465,314 | 28.70 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 8 | 0 | 0 | 0 | 7 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.26 |
| H | 1997 092424 | Tanner Cr | Umatilla R | 04/02/99 | 27,136 | 477,588 | 25.20 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.33 |
| H | 1997 092425 | Tanner Cr | Umatilla R | 04/02/99 | 26,753 | 505,650 | 25.62 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.20 |
| H | 1998 092717 | Tanner Cr | Umatilla R | 03/15/00 | 26,422 | 513,288 | 27.00 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.36 |
| H | 1998 092718 | Tanner Cr | Umatilla R | 03/15/00 | 26,068 | 222,462 | 27.00 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.18 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-------------|--------------|------------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|----|----|---|-----------------------|----|---|---|---|---------|---|----|----|---|---|---|---|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | | | | | |
| COHO SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cascade/Oxbow (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1998 092719 | Tanner Cr | Umatilla R | 04/28/00 | 26,370 | 798,210 | 29.80 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 53 | 0 | 0 | 0 | 0 | 0.49 |
| H | 1999 093007 | Tanner Cr | Umatilla R | 03/14/01 | 26,599 | 478,639 | 25.83 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| H | 1999 093009 | Tanner Cr | Umatilla R | 03/14/01 | 26,058 | 223,025 | 25.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| H | 1999 093008 | Tanner Cr | Umatilla R | 04/28/01 | 26,474 | 745,497 | 33.04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0.01 |
| H | 1990 075625 | Tanner Cr | Yakima R | 03/09/92 | 27,289 | 154,219 | 29.10 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 2 | 0 | 4 | 0 | 1 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.10 |
| H | 1990 075624 | Tanner Cr | Yakima R | 03/10/92 | 27,249 | 223,344 | 27.50 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 3 | 1 | 0 | 0 | 4 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.13 |
| H | 1990 075623 | Tanner Cr | Yakima R | 03/12/92 | 28,255 | 320,244 | 27.30 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 |
| H | 1991 071524 | Tanner Cr | Yakima R | 03/17/93 | 27,423 | 214,370 | 23.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0.07 |
| H | 1991 071525 | Tanner Cr | Yakima R | 03/17/93 | 27,754 | 214,552 | 23.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0.01 |
| H | 1991 071530 | Tanner Cr | Yakima R | 03/17/93 | 28,091 | 214,772 | 23.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0.07 |
| H | 1992 070340 | Tanner Cr | Yakima R | 05/06/94 | 25,468 | 269,107 | 31.94 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.10 |
| H | 1992 070341 | Tanner Cr | Yakima R | 05/06/94 | 25,985 | 269,408 | 31.94 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.11 |
| H | 1992 070342 | Tanner Cr | Yakima R | 05/06/94 | 26,901 | 172,059 | 35.99 | 0 | 0 | 6 | 0 | 0 | 0 | 33 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.21 |
| H | 1993 070554 | Tanner Cr | Yakima R | 04/26/95 | 22,851 | 186,464 | 31.48 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.09 |
| H | 1993 070555 | Tanner Cr | Yakima R | 04/26/95 | 20,031 | 183,732 | 31.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.08 |
| H | 1993 070556 | Tanner Cr | Yakima R | 04/26/95 | 19,133 | 195,420 | 31.48 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.09 |
| H | 1994 071147 | Tanner Cr | Yakima R | 04/30/96 | 26,733 | 193,628 | 30.24 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.08 |
| H | 1994 071148 | Tanner Cr | Yakima R | 04/30/96 | 26,135 | 193,275 | 30.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.13 |
| H | 1994 071149 | Tanner Cr | Yakima R | 04/30/96 | 26,538 | 193,476 | 30.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.03 |
| H | 1996 092310 | Tanner Cr | Yakima R | 05/16/98 | 27,046 | 224,253 | 41.23 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.18 |
| H | 1996 092311 | Tanner Cr | Yakima R | 05/16/98 | 26,878 | 224,137 | 41.23 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.12 |
| H | 1996 092312 | Tanner Cr | Yakima R | 05/16/98 | 26,821 | 224,082 | 41.23 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 5 | 0 | 3 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.25 |
| Cle Elum Acclimation: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1997 092426 | Tanner Cr | Yakima R | 05/17/99 | 26,593 | 204,017 | 26.68 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 5 | 0 | 12 | 5 | 0 | 0 | 1 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.32 |
| Gnat Creek: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1995 091753 | Tanner Cr | Umatilla R | 04/05/97 | 26,822 | 853,688 | 29.64 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 9 | 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.49 |
| Jack Creek Acclimation: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1997 092427 | Tanner Cr | Jack Cr (Yakima) | 05/17/99 | 25,864 | 247,724 | 26.68 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11 | 0 | 14 | 9 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.52 |
| Leavenworth NFH: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1998 092720 | Tanner Cr | Wenatchee (WA) | 05/24/00 | 26,367 | 498,716 | 23.90 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 26 | 3 | 5 | 12 | 0 | 0 | 0 | 145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.83 |
| Rosa Acclimation: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1995 071245 | Clackamas R | Yakima R | 05/15/97 | 25,046 | 33,802 | 38.77 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.21 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---------------|------------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|-----|----|----|-----|----|-----------------------|----|-----|-----|-----|---------|-----|---|---|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | 6+ | | | | | | |
| COHO SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Winthrop NFH: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1998 092721 | Tanner Cr | Methow R (WA) | 05/15/00 | 26,470 | 199,763 | 26.68 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 43 | 0 | 0 | 0 | 0.28 |
| CEDC Fisheries: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1993 071545 | Tanner Cr | Blind Slough | 05/12/95 | 26,258 | 140,267 | 50.91 | 0 | 0 | 10 | 0 | 0 | 0 | 19 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 470 | 0 | 0 | 0 | 1.95 |
| H | 1994 075901 | Clackamas R | Blind Slough | 05/06/96 | 24,942 | 209,761 | 50.34 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 24 | 293 | 0 | 0 | 0 | 1.30 | |
| H | 1995 091818 | Tanner Cr | Blind Slough | 05/05/97 | 25,104 | 196,963 | 31.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0.07 | |
| H | 1996 092305 | Tanner Cr | Blind Slough | 05/01/98 | 24,607 | 144,958 | 39.79 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 12 | 386 | 0 | 0 | 0 | 1.66 | |
| H | 1997 092528 | Tanner Cr | Blind Slough | 04/28/99 | 26,072 | 197,089 | 40.13 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 3 | 1 | 8 | 3 | 0 | 0 | 0 | 0 | 39 | 457 | 0 | 0 | 0 | 2.01 | |
| H | 1998 092912 | Tanner Cr | Blind Slough | 05/04/00 | 24,624 | 195,645 | 39.40 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 15 | 4 | 5 | 7 | 0 | 0 | 0 | 0 | 28 | 498 | 0 | 0 | 0 | 2.33 | |
| H | 1999 093220 | Sandy R | Blind Slough | 05/24/01 | 26,969 | 274,257 | 29.19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1999 093159 | Tanner Cr | Columbia (Towed) | 04/17/01 | 26,494 | 179,187 | 30.75 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 4 | 0 | 0 | 0 | 0.09 | |
| H | 1990 075721 | Klaskanine R | Klaskanine R, SF | 04/16/92 | 26,387 | 653,350 | 40.10 | 0 | 0 | 12 | 0 | 0 | 0 | 130 | 31 | 9 | 28 | 23 | 6 | 43 | 71 | 462 | 1 | 0 | 0 | 0 | 0 | 3.09 | |
| H | 1991 071428 | Klaskanine R | Klaskanine R, SF | 04/30/93 | 26,817 | 736,929 | 32.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 169 | 0 | 0 | 0 | 0 | 0.63 | |
| H | 1992 076145 | Klaskanine R | Klaskanine R, SF | 04/04/94 | 25,978 | 538,994 | 37.79 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 23 | 105 | 0 | 0 | 0 | 0.62 | |
| H | 1993 070356 | Klaskanine R | Klaskanine R, SF | 04/10/95 | 23,160 | 433,674 | 43.16 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 146 | 0 | 0 | 0 | 0.97 | |
| H | 1994 070925 | Klaskanine R | Klaskanine R, SF | 04/14/96 | 25,979 | 443,183 | 42.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 84 | 0 | 0 | 0 | 0.50 | |
| H | 1995 091824 | Klaskanine R | Klaskanine R, SF | 05/12/97 | 28,284 | 621,932 | 35.71 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 457 | 0 | 0 | 0 | 1.73 | |
| H | 1996 092321 | Klaskanine R | Klaskanine R, SF | 04/29/98 | 26,787 | 550,427 | 27.00 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 0 | 4 | 0 | 0 | 0 | 0 | 11 | 235 | 0 | 0 | 0 | 0 | 0.99 | |
| H | 1997 092428 | Klaskanine R | Klaskanine R, SF | 04/21/99 | 19,622 | 429,652 | 34.10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 6 | 0 | 0 | 0 | 2 | 89 | 0 | 0 | 0 | 0 | 0.51 | |
| H | 1998 092730 | Klaskanine R | Klaskanine R, SF | 05/08/00 | 25,414 | 610,658 | 35.40 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 20 | 2 | 12 | 13 | 0 | 9 | 171 | 849 | 0 | 0 | 0 | 0 | 0 | 4.56 | |
| H | 1999 093013 | Big Creek | Klaskanine R, SF | 05/07/01 | 26,231 | 344,738 | 36.23 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 10 | 10 | 9 | 3 | 0 | 0 | 11 | 689 | 0 | 0 | 0 | 0 | 0 | 2.93 | |
| H | 1993 075329 | Tanner Cr | Tongue Point | 05/12/95 | 26,426 | 130,623 | 52.08 | 0 | 0 | 13 | 0 | 10 | 30 | 9 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 746 | 0 | 0 | 0 | 0 | 0 | 3.09 | |
| H | 1994 071241 | Clackamas R | Tongue Point | 05/06/96 | 23,942 | 190,032 | 53.93 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 191 | 0 | 0 | 0 | 0 | 0.90 | |
| H | 1995 071336 | Tanner Cr | Tongue Point | 05/05/97 | 26,174 | 430,221 | 32.63 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 135 | 0 | 0 | 0 | 0 | 0.53 | |
| H | 1996 092306 | Tanner Cr | Tongue Point | 05/01/98 | 18,355 | 119,611 | 40.50 | 0 | 0 | 0 | 0 | 0 | 18 | 5 | 2 | 6 | 6 | 0 | 0 | 0 | 14 | 684 | 0 | 0 | 0 | 0 | 0 | 4.00 | |
| H | 1997 092529 | Tanner Cr | Tongue Point | 04/28/99 | 26,269 | 204,143 | 39.78 | 0 | 0 | 0 | 0 | 0 | 9 | 7 | 4 | 11 | 3 | 0 | 0 | 0 | 42 | 342 | 0 | 0 | 0 | 0 | 0 | 1.59 | |
| H | 1998 092913 | Tanner Cr | Tongue Point | 05/04/00 | 24,634 | 228,290 | 42.00 | 0 | 0 | 0 | 0 | 0 | 47 | 35 | 7 | 12 | 11 | 0 | 0 | 0 | 64 | 574 | 0 | 0 | 0 | 0 | 0 | 3.04 | |
| H | 1998 092749 | Toutle R (WA) | Tongue Point | 05/11/00 | 26,176 | 525,833 | 33.90 | 0 | 0 | 0 | 0 | 5 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 136 | 0 | 0 | 0 | 0 | 0 | 0.86 | |
| H | 1999 093160 | Tanner Cr | Tongue Point | 04/16/01 | 21,854 | 173,199 | 34.28 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0.14 | |
| H | 1999 054908 | Clackamas R | Tongue Point | 05/31/01 | 25,055 | 482,414 | 29.59 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | |
| H | 1990 075714 | Big Creek | Youngs R | 05/12/92 | 27,438 | 674,451 | 30.40 | 0 | 0 | 0 | 0 | 0 | 52 | 9 | 6 | 4 | 2 | 8 | 11 | 13 | 198 | 0 | 0 | 0 | 0 | 0 | 0 | 1.10 | |
| H | 1991 076014 | Clackamas R | Youngs R | 05/05/93 | 21,772 | 176,501 | 35.71 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 476 | 0 | 0 | 0 | 0 | 0 | 2.31 | |
| H | 1991 076015 | Clackamas R | Youngs R | 05/24/93 | 25,928 | 242,290 | 28.52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 108 | 0 | 0 | 0 | 0 | 0 | 0.43 | |
| H | 1991 076129 | Clackamas R | Youngs R | 06/01/93 | 23,913 | 846,913 | 29.45 | 0 | 5 | 15 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 168 | 0 | 0 | 0 | 0 | 0 | 0.81 | |
| H | 1991 076130 | Clackamas R | Youngs R | 06/08/93 | 24,003 | 569,758 | 30.64 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 0.23 | |
| H | 1992 070135 | Clackamas R | Youngs R | 04/04/94 | 24,850 | 257,853 | 30.64 | 0 | 0 | 0 | 0 | 0 | 24 | 9 | 3 | 1 | 0 | 0 | 0 | 13 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0.44 | |
| H | 1992 070136 | Clackamas R | Youngs R | 06/15/94 | 23,940 | 788,523 | 33.35 | 0 | 0 | 0 | 0 | 0 | 26 | 6 | 0 | 0 | 0 | 0 | 0 | 5 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0.63 | |
| H | 1993 070743 | Clackamas R | Youngs R | 05/08/95 | 22,545 | 467,531 | 35.97 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0.30 | |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | % | | | | | | | | |
|-----------------------------|-------------|--------------|--------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|-----|----|----|-----|----|-----------------------|-----|-----|-----|---|----|-----|-----|---|---|------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | | | | | |
| COHO SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CEDC Fisheries (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1993 070744 | Clackamas R | Youngs R | 05/15/95 | 22,057 | 280,412 | 35.97 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 46 | 0 | 0 | 0 | 0.23 |
| H | 1994 071222 | Clackamas R | Youngs R | 05/07/96 | 26,274 | 216,187 | 48.20 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 51 | 245 | 0 | 0 | 0 | 1.14 | |
| H | 1994 071223 | Clackamas R | Youngs R | 05/20/96 | 22,104 | 341,339 | 40.46 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 326 | 0 | 0 | 0 | 1.63 | |
| H | 1996 053732 | Clackamas R | Youngs R | 05/01/98 | 52,510 | 268,870 | 37.18 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 55 | 0 | 0 | 0 | 0.11 | |
| H | 1996 053733 | Clackamas R | Youngs R | 05/01/98 | 50,604 | 261,654 | 37.18 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 12 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 30 | 825 | 0 | 0 | 0 | 1.80 | |
| H | 1997 093947 | Clackamas R | Youngs R | 05/05/99 | 502,146 | 502,146 | 36.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1997 053947 | Clackamas R | Youngs R | 05/05/99 | 24,963 | 502,146 | 36.28 | 0 | 0 | 0 | 0 | 6 | 23 | 10 | 5 | 22 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 928 | 0 | 0 | 0 | 4.13 | |
| H | 1997 093946 | Clackamas R | Youngs R | 05/19/99 | 47,962 | 47,962 | 38.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1997 053946 | Clackamas R | Youngs R | 05/19/99 | 24,874 | 479,562 | 38.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 41 | 0 | 0 | 0 | 0.17 | |
| H | 1998 053948 | Clackamas R | Youngs R | 05/31/00 | 21,731 | 476,148 | 28.50 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 52 | 0 | 0 | 0 | 0.39 | |
| H | 1999 050191 | Clackamas R | Youngs R | 05/14/01 | 22,577 | 502,077 | 31.87 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0.13 | |
| H | 1990 075713 | Kalama R | Youngs R | 05/27/92 | 26,139 | 405,976 | 19.70 | 0 | 0 | 5 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0.13 | |
| H | 1990 075712 | Klaskanine R | Youngs R | 04/13/92 | 25,980 | 176,127 | 33.10 | 0 | 0 | 18 | 0 | 0 | 0 | 109 | 32 | 5 | 9 | 12 | 4 | 33 | 42 | 269 | 0 | 0 | 0 | 0 | 0 | 0 | 2.05 | |
| H | 1990 075455 | Klaskanine R | Youngs R | 04/15/92 | 26,510 | 227,099 | 67.70 | 0 | 0 | 35 | 0 | 0 | 0 | 115 | 35 | 9 | 16 | 30 | 6 | 41 | 456 | 457 | 0 | 0 | 0 | 0 | 0 | 0 | 4.53 | |
| H | 1991 076111 | Klaskanine R | Youngs R | 04/08/93 | 26,556 | 126,866 | 41.23 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 175 | 0 | 0 | 0 | 0 | 0 | 0 | 0.75 | |
| H | 1990 074411 | Sandy R | Youngs R | 06/02/92 | 27,219 | 257,156 | 32.90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | |
| H | 1990 075715 | Sandy R | Youngs R | 06/10/92 | 26,542 | 461,463 | 28.90 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0.03 | |
| H | 1994 071136 | Sandy R | Youngs R | 05/28/96 | 26,418 | 295,512 | 40.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 43 | 0 | 0 | 0 | 0.19 | |
| H | 1995 071335 | Sandy R | Youngs R | 05/12/97 | 26,598 | 633,310 | 31.50 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 160 | 0 | 0 | 0 | 0.65 | |
| H | 1997 092643 | Sandy R | Youngs R | 06/01/99 | 26,215 | 272,656 | 33.84 | 0 | 0 | 0 | 0 | 0 | 26 | 12 | 0 | 18 | 8 | 0 | 3 | 3 | 715 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.99 | |
| H | 1998 092729 | Sandy R | Youngs R | 05/25/00 | 26,699 | 272,992 | 33.40 | 0 | 0 | 0 | 0 | 0 | 53 | 38 | 4 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 525 | 0 | 0 | 0 | 2.39 | |
| H | 1991 076128 | Tanner Cr | Youngs R | 05/03/93 | 25,642 | 825,810 | 38.76 | 0 | 0 | 16 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 774 | 0 | 0 | 0 | 3.11 |
| H | 1991 075952 | Tanner Cr | Youngs R | 05/04/93 | 19,776 | 502,918 | 40.13 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 470 | 0 | 0 | 0 | 2.52 | |
| H | 1992 076142 | Tanner Cr | Youngs R | 04/04/94 | 50,745 | 827,864 | 32.86 | 0 | 0 | 12 | 0 | 0 | 40 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 121 | 0 | 0 | 0 | 0.41 | |
| H | 1992 070124 | Tanner Cr | Youngs R | 05/02/94 | 27,869 | 300,907 | 46.28 | 0 | 0 | 14 | 0 | 0 | 162 | 53 | 0 | 0 | 0 | 0 | 3 | 5 | 159 | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 3.84 | |
| H | 1993 070758 | Tanner Cr | Youngs R | 04/18/95 | 25,886 | 822,185 | 46.71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 42 | 0 | 0 | 0 | 0.18 | |
| H | 1993 071544 | Tanner Cr | Youngs R | 05/11/95 | 28,995 | 138,371 | 58.08 | 0 | 0 | 18 | 0 | 0 | 36 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 997 | 0 | 0 | 0 | 3.72 | |
| H | 1994 071242 | Tanner Cr | Youngs R | 04/15/96 | 28,299 | 808,263 | 39.07 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 52 | 0 | 0 | 0 | 0.23 | |
| H | 1994 070961 | Tanner Cr | Youngs R | 04/26/96 | 26,548 | 829,600 | 47.20 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 117 | 0 | 0 | 0 | 0.67 | |
| H | 1995 070942 | Tanner Cr | Youngs R | 05/05/97 | 27,198 | 146,818 | 34.36 | 0 | 0 | 0 | 0 | 0 | 18 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 376 | 0 | 0 | 0 | 1.46 | |
| H | 1996 092302 | Tanner Cr | Youngs R | 05/01/98 | 25,672 | 133,373 | 43.61 | 0 | 0 | 0 | 0 | 0 | 16 | 12 | 1 | 2 | 0 | 0 | 0 | 5 | 76 | 567 | 0 | 0 | 0 | 0 | 0 | 0 | 2.64 | |
| H | 1996 092336 | Tanner Cr | Youngs R | 05/26/98 | 29,469 | 425,634 | 34.10 | 0 | 0 | 0 | 0 | 0 | 26 | 4 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 | 0 | 0 | 0 | 0.65 | |
| H | 1997 092422 | Tanner Cr | Youngs R | 04/12/99 | 26,676 | 663,012 | 32.63 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0.50 | |
| H | 1997 092334 | Tanner Cr | Youngs R | 04/28/99 | 28,809 | 158,203 | 38.11 | 0 | 0 | 0 | 0 | 0 | 9 | 6 | 3 | 10 | 2 | 0 | 0 | 0 | 65 | 580 | 0 | 0 | 0 | 0 | 0 | 0 | 2.34 | |
| H | 1998 092716 | Tanner Cr | Youngs R | 04/12/00 | 26,244 | 836,845 | 28.90 | 0 | 0 | 0 | 0 | 0 | 18 | 5 | 0 | 3 | 2 | 0 | 4 | 76 | 340 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.71 | |
| H | 1998 092914 | Tanner Cr | Youngs R | 05/04/00 | 24,396 | 206,377 | 38.10 | 0 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 4 | 109 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.90 | |
| H | 1999 093006 | Tanner Cr | Youngs R | 04/10/01 | 26,075 | 808,735 | 29.02 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.03 | |
| H | 1999 093161 | Tanner Cr | Youngs R | 04/16/01 | 26,011 | 234,371 | 32.33 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 | |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|--------------|------------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|----|---|----|-----------------------|----|----|----|-----|---------|---|----|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | |
| COHO SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Klaskanine: | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 074520 | Klaskanine R | Klaskanine R, NF | 05/11/92 | 10,874 | 341,002 | 33.10 | 0 | 0 | 0 | 0 | 0 | 20 | 3 | 2 | 0 | 0 | 0 | 2 | 2 | 22 | 0 | 0 | 0 | 0.47 |
| H | 1990 074644 | Klaskanine R | Klaskanine R, NF | 05/11/92 | 10,627 | 340,755 | 33.10 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0.32 |
| H | 1990 074645 | Klaskanine R | Klaskanine R, NF | 05/11/92 | 9,640 | 339,701 | 33.10 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 3 | 0 | 2 | 0 | 21 | 0 | 0 | 0 | 0.33 |
| H | 1991 074832 | Klaskanine R | Klaskanine R, NF | 05/16/93 | 25,977 | 848,853 | 33.35 | 6 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0.32 |
| H | 1992 070362 | Klaskanine R | Klaskanine R, NF | 04/15/94 | 26,574 | 831,887 | 37.48 | 0 | 0 | 7 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 67 | 0 | 0 | 0 | 0.32 |
| H | 1993 075262 | Kalama R | Klaskanine R, NF | 04/04/95 | 26,279 | 1,201,313 | 43.99 | 0 | 2 | 0 | 0 | 0 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 28 | 94 | 0 | 0 | 0 | 0.51 |
| H | 1994 075415 | Klaskanine R | Klaskanine R, NF | 04/07/96 | 24,974 | 837,355 | 45.36 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 16 | 108 | 0 | 0 | 0 | 0.52 |
| H | 1995 071361 | Tanner Cr | Umatilla R | 03/10/97 | 11,057 | 31,921 | 25.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0.04 |
| H | 1995 071362 | Tanner Cr | Umatilla R | 03/10/97 | 2,681 | 8,209 | 25.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0.15 |
| H | 1995 071363 | Tanner Cr | Umatilla R | 03/10/97 | 7,890 | 22,889 | 25.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.01 |
| H | 1995 091805 | Tanner Cr | Umatilla R | 03/10/97 | 7,903 | 10,503 | 25.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0.03 |
| Sandy: | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 075720 | Sandy R | Cedar Cr (Sandy) | 05/01/92 | 28,699 | 29,130 | 29.80 | 0 | 0 | 10 | 0 | 0 | 62 | 30 | 3 | 4 | 3 | 0 | 18 | 3 | 139 | 0 | 0 | 0 | 0.95 |
| H | 1990 075724 | Sandy R | Cedar Cr (Sandy) | 05/01/92 | 28,368 | 28,797 | 29.80 | 0 | 0 | 3 | 0 | 0 | 71 | 21 | 1 | 12 | 2 | 4 | 10 | 2 | 145 | 0 | 0 | 0 | 0.96 |
| H | 1990 075725 | Sandy R | Cedar Cr (Sandy) | 06/02/92 | 28,377 | 355,669 | 30.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0.01 |
| H | 1990 075726 | Sandy R | Cedar Cr (Sandy) | 06/02/92 | 27,553 | 369,409 | 30.00 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0.03 |
| H | 1990 075727 | Sandy R | Cedar Cr (Sandy) | 06/02/92 | 28,149 | 63,593 | 30.40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0.01 |
| H | 1990 075728 | Sandy R | Cedar Cr (Sandy) | 06/02/92 | 28,234 | 63,454 | 30.40 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| H | 1990 075729 | Sandy R | Cedar Cr (Sandy) | 06/02/92 | 28,262 | 63,598 | 31.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.00 |
| H | 1990 075730 | Sandy R | Cedar Cr (Sandy) | 06/02/92 | 28,133 | 63,630 | 31.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0.01 |
| H | 1991 075951 | Sandy R | Cedar Cr (Sandy) | 05/02/93 | 52,320 | 247,121 | 30.44 | 0 | 0 | 27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 473 | 0 | 0 | 0 | 0.97 |
| H | 1991 071531 | Sandy R | Cedar Cr (Sandy) | 06/02/93 | 27,473 | 259,210 | 30.23 | 0 | 0 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 219 | 0 | 0 | 0 | 0.86 |
| H | 1991 071532 | Sandy R | Cedar Cr (Sandy) | 06/02/93 | 27,003 | 260,055 | 30.23 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 197 | 0 | 0 | 0 | 0.81 |
| H | 1991 076019 | Sandy R | Cedar Cr (Sandy) | 06/02/93 | 27,687 | 62,431 | 30.44 | 0 | 0 | 18 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 245 | 0 | 0 | 0 | 0.96 |
| H | 1991 076016 | Sandy R | Cedar Cr (Sandy) | 06/02/93 | 27,383 | 64,006 | 31.07 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 213 | 0 | 0 | 0 | 0.80 |
| H | 1991 076018 | Sandy R | Cedar Cr (Sandy) | 06/02/93 | 27,731 | 64,345 | 31.50 | 0 | 0 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 245 | 0 | 0 | 0 | 0.93 |
| H | 1991 076017 | Sandy R | Cedar Cr (Sandy) | 06/02/93 | 27,857 | 65,783 | 31.94 | 0 | 0 | 28 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 0 | 0 | 0 | 1.11 |
| H | 1992 075126 | Sandy R | Cedar Cr (Sandy) | 04/04/94 | 22,071 | 54,611 | 22.68 | 0 | 0 | 0 | 0 | 0 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0.29 |
| H | 1992 074929 | Sandy R | Cedar Cr (Sandy) | 04/04/94 | 23,141 | 56,771 | 23.50 | 0 | 0 | 0 | 0 | 0 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 63 | 0 | 0 | 0 | 0.35 |
| H | 1992 074933 | Sandy R | Cedar Cr (Sandy) | 04/04/94 | 23,758 | 170,622 | 24.00 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 49 | 0 | 0 | 0 | 0.26 |
| H | 1992 070239 | Sandy R | Cedar Cr (Sandy) | 05/03/94 | 48,070 | 272,188 | 30.23 | 0 | 0 | 20 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 65 | 0 | 0 | 0 | 0.23 |
| H | 1992 074934 | Sandy R | Cedar Cr (Sandy) | 06/01/94 | 22,862 | 59,590 | 30.44 | 0 | 0 | 29 | 0 | 0 | 25 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 0 | 0 | 0 | 0.78 |
| H | 1992 074930 | Sandy R | Cedar Cr (Sandy) | 06/01/94 | 25,096 | 62,281 | 30.64 | 0 | 0 | 52 | 0 | 0 | 32 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 141 | 0 | 0 | 0 | 0.94 |
| H | 1992 075127 | Sandy R | Cedar Cr (Sandy) | 06/01/94 | 23,046 | 241,271 | 30.85 | 0 | 0 | 24 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109 | 0 | 0 | 0 | 0.69 |
| H | 1993 070552 | Sandy R | Cedar Cr (Sandy) | 04/09/95 | 52,335 | 54,686 | 32.87 | 0 | 0 | 4 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 259 | 0 | 0 | 0 | 0.57 |
| H | 1993 070551 | Sandy R | Cedar Cr (Sandy) | 05/03/95 | 55,237 | 57,924 | 30.04 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0.10 |
| H | 1994 071135 | Sandy R | Cedar Cr (Sandy) | 03/27/96 | 28,047 | 70,806 | 30.83 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 34 | 0 | 0 | 0 | 0.17 |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | | | | | | |
|-------------------------|-------------|--------------|------------------|-----------------|---------|-----------|--------------|------|------|-----|----|----|-----|----|---|----|-----|----|-----------------------|---|----|----|-----|-----|----|---|---|---|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | | | | | |
| COHO SALMON (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sandy (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1994 070839 | Sandy R | Cedar Cr (Sandy) | 03/27/96 | 27,601 | 70,156 | 30.86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 36 | 0 | 0 | 0 | 0.17 |
| H | 1994 071134 | Sandy R | Cedar Cr (Sandy) | 03/27/96 | 28,803 | 70,093 | 31.26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 69 | 0 | 0 | 0 | 0.29 |
| H | 1994 070840 | Sandy R | Cedar Cr (Sandy) | 03/27/96 | 27,221 | 69,120 | 31.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 38 | 0 | 0 | 0 | 0 | 0.18 |
| H | 1994 070841 | Sandy R | Cedar Cr (Sandy) | 03/27/96 | 26,498 | 70,272 | 31.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 46 | 0 | 0 | 0 | 0.25 |
| H | 1994 071133 | Sandy R | Cedar Cr (Sandy) | 03/27/96 | 27,958 | 68,990 | 32.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 41 | 0 | 0 | 0 | 0.20 |
| H | 1994 070837 | Sandy R | Cedar Cr (Sandy) | 05/06/96 | 27,133 | 124,717 | 30.86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 13 | 106 | 0 | 0 | 0 | 0 | 0.45 |
| H | 1994 070838 | Sandy R | Cedar Cr (Sandy) | 05/06/96 | 27,393 | 124,797 | 31.72 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 131 | 0 | 0 | 0 | 0 | 0.56 |
| H | 1995 070843 | Sandy R | Cedar Cr (Sandy) | 04/07/97 | 27,492 | 194,817 | 29.26 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 141 | 0 | 0 | 0 | 0 | 0.53 |
| H | 1995 070844 | Sandy R | Cedar Cr (Sandy) | 04/07/97 | 27,459 | 195,252 | 29.45 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 161 | 0 | 0 | 0 | 0 | 0.65 |
| H | 1995 091838 | Sandy R | Cedar Cr (Sandy) | 05/05/97 | 29,337 | 233,740 | 30.03 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 211 | 0 | 0 | 0 | 0 | 0.75 |
| H | 1995 092034 | Sandy R | Cedar Cr (Sandy) | 05/07/97 | 16,085 | 16,147 | 29.64 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 181 | 0 | 0 | 0 | 0 | 1.20 |
| H | 1995 091839 | Sandy R | Cedar Cr (Sandy) | 05/07/97 | 30,004 | 30,714 | 29.84 | 0 | 0 | 0 | 0 | 0 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 300 | 0 | 0 | 0 | 0 | 1.06 |
| H | 1996 092332 | Sandy R | Cedar Cr (Sandy) | 04/15/98 | 29,251 | 135,391 | 29.65 | 0 | 0 | 0 | 0 | 0 | 14 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 14 | 147 | 0 | 0 | 0 | 0 | 0 | 0.62 |
| H | 1996 092333 | Sandy R | Cedar Cr (Sandy) | 05/14/98 | 29,770 | 120,211 | 31.28 | 0 | 0 | 0 | 0 | 0 | 11 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 68 | 0 | 0 | 0 | 0 | 0 | 0.29 |
| H | 1997 092432 | Sandy R | Cedar Cr (Sandy) | 04/15/99 | 26,383 | 364,796 | 30.44 | 0 | 0 | 0 | 0 | 0 | 47 | 15 | 0 | 23 | 9 | 0 | 0 | 0 | 0 | 23 | 476 | 0 | 0 | 0 | 0 | 0 | 2.25 |
| H | 1997 071316 | Sandy R | Cedar Cr (Sandy) | 05/14/99 | 63,354 | 64,077 | 30.73 | 0 | 0 | 0 | 0 | 0 | 40 | 15 | 5 | 12 | 13 | 0 | 0 | 0 | 0 | 18 | 737 | 0 | 0 | 0 | 0 | 0 | 1.33 |
| H | 1997 092433 | Sandy R | Cedar Cr (Sandy) | 05/14/99 | 27,760 | 232,964 | 31.61 | 0 | 0 | 0 | 0 | 0 | 11 | 20 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 9 | 351 | 0 | 0 | 0 | 0 | 0 | 1.43 |
| H | 1998 092727 | Sandy R | Cedar Cr (Sandy) | 04/18/00 | 26,254 | 402,526 | 30.20 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 72 | 0 | 0 | 0 | 0 | 0.65 |
| H | 1998 092728 | Sandy R | Cedar Cr (Sandy) | 05/15/00 | 26,491 | 332,020 | 30.77 | 0 | 0 | 0 | 0 | 0 | 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 100 | 0 | 0 | 0 | 0 | 0.83 |
| H | 1998 092747 | Sandy R | Cedar Cr (Sandy) | 05/15/00 | 73,749 | 73,749 | 31.90 | 0 | 0 | 0 | 0 | 0 | 207 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 230 | 0 | 0 | 0 | 0 | 0.65 |
| H | 1999 093218 | Sandy R | Cedar Cr (Sandy) | 04/19/01 | 365,588 | 365,588 | 30.61 | 0 | 33 | 0 | 0 | 7 | 59 | 23 | 6 | 18 | 24 | 0 | 0 | 0 | 0 | 11 | 373 | 0 | 0 | 0 | 0 | 0 | 0.15 |
| H | 1999 092748 | Sandy R | Cedar Cr (Sandy) | 05/16/01 | 70,665 | 70,665 | 31.07 | 0 | 0 | 0 | 0 | 0 | 136 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 21 | 0 | 0 | 0 | 0 | 0.23 |
| H | 1999 093221 | Sandy R | Cedar Cr (Sandy) | 05/16/01 | 26,630 | 231,598 | 31.07 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0.17 |
| H | 1995 091840 | Sandy R | Klickitat R (WA) | 03/26/97 | 30,918 | 273,896 | 24.92 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0.03 |
| Trojan Pond: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1991 076126 | Sandy R | Columbia R | 04/30/93 | 27,809 | 263,571 | 32.16 | 0 | 0 | 16 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0.21 |
| Wahkeena Pond: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 074045 | Tanner Cr | Wahkeena Pond | 05/12/92 | 9,456 | 633,436 | 28.90 | 0 | 0 | 5 | 0 | 0 | 4 | 3 | 0 | 0 | 3 | 0 | 5 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.42 |
| H | 1990 074046 | Tanner Cr | Wahkeena Pond | 05/12/92 | 9,241 | 633,211 | 28.90 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.24 |
| H | 1990 074047 | Tanner Cr | Wahkeena Pond | 05/12/92 | 9,376 | 633,353 | 28.90 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.38 |
| H | 1991 073728 | Tanner Cr | Wahkeena Pond | 04/22/93 | 11,910 | 749,707 | 25.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0.32 |
| H | 1991 074853 | Tanner Cr | Wahkeena Pond | 04/22/93 | 12,535 | 750,071 | 25.20 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 0.40 |
| H | 1992 071529 | Sandy R | Wahkeena Pond | 04/30/94 | 23,472 | 1,503,732 | 23.14 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.03 |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | | |
|------------------------|-------------|--------------|-----------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|-----|-----|---|---|----|-------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ | Surv. |
| SUMMER STEELHEAD | | | | | | | | | | | | | | | | | | | | | | | | | |
| Irrigon: | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 075353 | Wallowa R | Big Canyon Cr | 04/26/91 | 26,713 | 27,466 | 85.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 104 | 8 | 0 | 0 | 0.79 |
| H | 1990 075354 | Wallowa R | Big Canyon Cr | 04/26/91 | 24,751 | 25,021 | 85.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 | 69 | 2 | 0 | 0 | 0.61 |
| H | 1990 075352 | Wallowa R | Big Canyon Cr | 04/26/91 | 27,267 | 113,410 | 103.1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 91 | 186 | 4 | 0 | 0 | 1.04 |
| H | 1990 075351 | Wallowa R | Big Canyon Cr | 04/26/91 | 26,259 | 108,377 | 110.6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | 138 | 7 | 0 | 0 | 0.97 |
| H | 1991 075857 | Wallowa R | Big Canyon Cr | 04/23/92 | 25,725 | 26,658 | 87.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 17 | 0 | 0 | 0 | 0.08 |
| H | 1991 075858 | Wallowa R | Big Canyon Cr | 04/23/92 | 26,429 | 27,083 | 87.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0.07 |
| H | 1991 075855 | Wallowa R | Big Canyon Cr | 04/23/92 | 26,046 | 122,344 | 94.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 30 | 1 | 0 | 0 | 0.15 |
| H | 1991 075856 | Wallowa R | Big Canyon Cr | 04/23/92 | 26,667 | 122,647 | 94.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 0 | 0 | 0 | 0.05 |
| | 1992 076102 | Wallowa R | Big Canyon Cr | 04/23/93 | 25,890 | 112,086 | 87.21 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 30 | 0 | 0 | 0 | 0.31 |
| | 1992 076103 | Wallowa R | Big Canyon Cr | 04/23/93 | 25,222 | 111,857 | 87.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 36 | 1 | 0 | 0 | 0.35 |
| | 1992 076104 | Wallowa R | Big Canyon Cr | 04/23/93 | 23,277 | 25,267 | 92.55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 64 | 2 | 0 | 0 | 0.45 |
| | 1992 076105 | Wallowa R | Big Canyon Cr | 04/23/93 | 24,821 | 26,315 | 92.55 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 26 | 0 | 0 | 0 | 0.39 |
| | 1993 070327 | Wallowa R | Big Canyon Cr | 04/22/94 | 23,287 | 25,334 | 108.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 | 94 | 0 | 0 | 0 | 0.71 |
| | 1993 070328 | Wallowa R | Big Canyon Cr | 04/22/94 | 21,981 | 24,873 | 108.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 45 | 0 | 0 | 0 | 0.61 |
| | 1993 070325 | Wallowa R | Big Canyon Cr | 04/22/94 | 26,858 | 52,569 | 113.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 158 | 114 | 0 | 0 | 0 | 1.01 |
| | 1993 070326 | Wallowa R | Big Canyon Cr | 04/22/94 | 26,960 | 52,978 | 113.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 102 | 87 | 0 | 0 | 0 | 0.70 |
| | 1994 070920 | Wallowa R | Big Canyon Cr | 04/21/95 | 50,524 | 53,822 | 103.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 62 | 1 | 0 | 0 | 0.52 |
| | 1994 075824 | Wallowa R | Big Canyon Cr | 04/21/95 | 26,990 | 112,478 | 116.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 | 47 | 0 | 0 | 0 | 0.51 |
| | 1994 075825 | Wallowa R | Big Canyon Cr | 04/21/95 | 27,281 | 112,478 | 116.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149 | 54 | 4 | 0 | 0 | 0.76 |
| | 1995 071161 | Wallowa R | Big Canyon Cr | 04/17/96 | 24,771 | 25,522 | 85.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 | 61 | 6 | 0 | 0 | 0.64 |
| | 1995 071162 | Wallowa R | Big Canyon Cr | 04/17/96 | 25,294 | 25,448 | 85.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 102 | 52 | 0 | 0 | 0 | 0.61 |
| | 1995 071159 | Wallowa R | Big Canyon Cr | 04/17/96 | 27,223 | 111,419 | 96.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 | 47 | 0 | 0 | 0 | 0.56 |
| | 1995 071160 | Wallowa R | Big Canyon Cr | 04/17/96 | 27,289 | 111,418 | 96.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 155 | 36 | 7 | 0 | 0 | 0.73 |
| | 1996 075330 | Wallowa R | Big Canyon Cr | 04/08/97 | 25,227 | 53,796 | 82.47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 8 | 0 | 0 | 0 | 0.20 |
| | 1996 091825 | Wallowa R | Big Canyon Cr | 04/08/97 | 26,766 | 53,795 | 82.47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 23 | 1 | 0 | 0 | 0.25 |
| | 1996 091826 | Wallowa R | Big Canyon Cr | 04/23/97 | 26,571 | 54,773 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 33 | 0 | 0 | 0 | 0.38 |
| | 1996 091827 | Wallowa R | Big Canyon Cr | 04/23/97 | 26,844 | 54,771 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 7 | 0 | 0 | 0 | 0.33 |
| | 1997 092326 | Wallowa R | Big Canyon Cr | 03/31/98 | 24,970 | 95,873 | 81.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 50 | 0 | 0 | 0 | 0.46 |
| | 1997 092327 | Wallowa R | Big Canyon Cr | 03/31/98 | 26,142 | 97,079 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 27 | 0 | 0 | 0 | 0.27 |
| | 1997 092330 | Wallowa R | Big Canyon Cr | 03/31/98 | 26,096 | 81,735 | 92.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 25 | 0 | 0 | 0 | 0.28 |
| | 1997 092331 | Wallowa R | Big Canyon Cr | 05/12/98 | 28,309 | 87,453 | 98.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 37 | 1 | 0 | 0 | 0.28 |
| | 1998 092563 | Wallowa R | Big Canyon Cr | 04/07/99 | 25,240 | 119,648 | 94.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 54 | 1 | 0 | 0 | 0.41 |
| | 1998 092562 | Wallowa R | Big Canyon Cr | 04/21/99 | 25,472 | 119,409 | 98.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 52 | 5 | 0 | 0 | 0.43 |
| | 1998 092604 | Wallowa R | Big Canyon Cr | 05/19/99 | 25,354 | 104,489 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 70 | 1 | 0 | 0 | 0.37 |
| | 1998 092603 | Wallowa R | Big Canyon Cr | 06/03/99 | 26,229 | 103,829 | 92.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 37 | 2 | 0 | 0 | 0.23 |
| M | 1989 075124 | Imnaha R | Little Sheep Cr | 04/17/90 | 26,363 | 124,990 | 79.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 138 | 109 | 0 | 0 | 0 | 0.94 |
| M | 1989 075125 | Imnaha R | Little Sheep Cr | 04/17/90 | 26,164 | 124,573 | 79.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 171 | 113 | 1 | 0 | 0 | 1.09 |
| M | 1990 075355 | Imnaha R | Little Sheep Cr | 04/23/91 | 23,948 | 28,448 | 70.86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 32 | 3 | 0 | 0 | 0.56 |

Appendix Table A. Continued.

| Hatchery, | | | Ocean Catch | | | | | | | | | | | | | | | | | | | % | | |
|------------------------------|-------------|--------------|-----------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|----|-----------------------|---|---|---|------|----|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | | Freshwater Recoveries | | | | | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 | 6+ |
| SUMMER STEELHEAD (Continued) | | | | | | | | | | | | | | | | | | | | | | | | |
| Irrigon (Continued): | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 1990 075356 | Imnaha R | Little Sheep Cr | 04/23/91 | 19,516 | 22,159 | 70.86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.52 | |
| M | 1990 075357 | Imnaha R | Little Sheep Cr | 04/23/91 | 24,282 | 92,222 | 88.92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.14 | |
| M | 1990 075358 | Imnaha R | Little Sheep Cr | 04/23/91 | 26,644 | 100,179 | 88.92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.19 | |
| H | 1991 075860 | Imnaha R | Little Sheep Cr | 04/27/92 | 24,828 | 24,962 | 74.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| H | 1991 075861 | Imnaha R | Little Sheep Cr | 04/27/92 | 27,195 | 27,265 | 74.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | |
| M | 1991 075859 | Imnaha R | Little Sheep Cr | 04/27/92 | 26,895 | 98,280 | 80.98 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 | |
| M | 1991 075862 | Imnaha R | Little Sheep Cr | 04/27/92 | 26,752 | 98,280 | 80.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| | 1992 076063 | Imnaha R | Little Sheep Cr | 04/28/93 | 22,570 | 24,306 | 79.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.22 | |
| | 1992 076101 | Imnaha R | Little Sheep Cr | 04/28/93 | 23,393 | 24,441 | 79.56 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.23 | |
| | 1992 076061 | Imnaha R | Little Sheep Cr | 04/28/93 | 24,357 | 119,636 | 82.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.25 | |
| | 1992 076062 | Imnaha R | Little Sheep Cr | 04/28/93 | 24,806 | 118,333 | 82.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.21 | |
| | 1993 070322 | Imnaha R | Little Sheep Cr | 04/25/94 | 23,876 | 126,314 | 79.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.13 | |
| | 1993 070323 | Imnaha R | Little Sheep Cr | 04/25/94 | 22,900 | 23,285 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.15 | |
| | 1993 070324 | Imnaha R | Little Sheep Cr | 04/25/94 | 24,187 | 24,681 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.09 | |
| | 1993 070321 | Imnaha R | Little Sheep Cr | 04/25/94 | 24,658 | 126,495 | 96.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.34 | |
| | 1994 070919 | Imnaha R | Little Sheep Cr | 05/01/95 | 54,985 | 56,954 | 81.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.28 | |
| | 1994 075820 | Imnaha R | Little Sheep Cr | 05/01/95 | 26,980 | 115,441 | 92.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.44 | |
| | 1994 075821 | Imnaha R | Little Sheep Cr | 05/01/95 | 26,630 | 115,441 | 92.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.58 | |
| | 1995 071217 | Imnaha R | Little Sheep Cr | 04/29/96 | 26,025 | 134,269 | 82.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.35 | |
| | 1995 071218 | Imnaha R | Little Sheep Cr | 04/29/96 | 26,986 | 134,268 | 82.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.45 | |
| | 1995 071219 | Imnaha R | Little Sheep Cr | 04/29/96 | 26,363 | 26,972 | 87.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.13 | |
| | 1995 071220 | Imnaha R | Little Sheep Cr | 04/29/96 | 26,337 | 26,637 | 87.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.08 | |
| | 1996 091832 | Imnaha R | Little Sheep Cr | 04/15/97 | 26,175 | 104,468 | 85.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.26 | |
| | 1996 091833 | Imnaha R | Little Sheep Cr | 04/15/97 | 28,070 | 104,468 | 85.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.23 | |
| | 1997 074860 | Imnaha R | Little Sheep Cr | 04/26/98 | 13,565 | 13,660 | 79.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.50 | |
| | 1997 075301 | Imnaha R | Little Sheep Cr | 04/26/98 | 12,970 | 13,718 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.24 | |
| | 1997 092322 | Imnaha R | Little Sheep Cr | 04/26/98 | 25,425 | 31,409 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.27 | |
| | 1997 092323 | Imnaha R | Little Sheep Cr | 04/26/98 | 26,468 | 27,692 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.39 | |
| | 1998 092560 | Imnaha R | Little Sheep Cr | 04/13/99 | 25,459 | 105,277 | 98.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.32 | |
| | 1998 092634 | Imnaha R | Little Sheep Cr | 04/13/99 | 26,165 | 110,016 | 98.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.37 | |
| | 1998 092561 | Imnaha R | Little Sheep Cr | 05/18/99 | 24,862 | 119,379 | 84.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.18 | |
| H | 1989 075122 | Wallowa R | Spring Creek | 04/19/90 | 26,771 | 78,593 | 76.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.76 | |
| H | 1989 075118 | Wallowa R | Spring Creek | 04/19/90 | 25,961 | 26,873 | 88.92 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | |
| H | 1989 075119 | Wallowa R | Spring Creek | 04/19/90 | 26,231 | 26,874 | 88.92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.90 | |
| H | 1989 075123 | Wallowa R | Spring Creek | 04/19/90 | 26,326 | 78,451 | 94.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.96 | |
| H | 1989 075120 | Wallowa R | Spring Creek | 04/19/90 | 26,347 | 45,055 | 105.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | |
| H | 1989 075121 | Wallowa R | Spring Creek | 04/19/90 | 26,473 | 45,081 | 110.6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.34 | |
| H | 1990 075443 | Wallowa R | Spring Creek | 04/22/91 | 28,815 | 72,934 | 98.59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.96 | |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | | |
|------------------------------|-------------|--------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----|-----------------------|-----|-----|----|---|---------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | 5 | | 6+ |
| SUMMER STEELHEAD (Continued) | | | | | | | | | | | | | | | | | | | | | | | | |
| Irrigon (Continued): | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 075444 | Wallowa R | Spring Creek | 04/22/91 | 28,738 | 73,012 | 105.5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 139 | 119 | 7 | 0 | 0 | 0.93 |
| H | 1990 075359 | Wallowa R | Spring Creek | 04/22/91 | 25,868 | 43,880 | 116.3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 124 | 138 | 10 | 0 | 0 | 1.06 |
| H | 1990 075360 | Wallowa R | Spring Creek | 04/22/91 | 28,018 | 46,687 | 119.4 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 234 | 174 | 18 | 0 | 0 | 1.53 |
| H | 1991 075853 | Wallowa R | Spring Creek | 04/20/92 | 25,448 | 248,402 | 94.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 11 | 0 | 0 | 0 | 0.07 |
| H | 1991 075854 | Wallowa R | Spring Creek | 04/20/92 | 25,059 | 248,403 | 94.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 12 | 0 | 0 | 0 | 0.08 |
| | 1992 076106 | Wallowa R | Spring Creek | 04/19/93 | 26,088 | 247,770 | 96.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 28 | 0 | 0 | 0 | 0.27 |
| | 1992 076107 | Wallowa R | Spring Creek | 04/19/93 | 25,413 | 247,394 | 96.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 27 | 3 | 0 | 0 | 0.27 |
| | 1993 070330 | Wallowa R | Spring Creek | 04/18/94 | 27,694 | 246,515 | 116.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 73 | 0 | 0 | 0 | 0.70 |
| | 1993 070329 | Wallowa R | Spring Creek | 04/18/94 | 27,187 | 247,827 | 126.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 128 | 80 | 1 | 0 | 0 | 0.77 |
| | 1994 075823 | Wallowa R | Spring Creek | 04/16/95 | 26,937 | 247,984 | 94.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 18 | 3 | 0 | 0 | 0.35 |
| | 1994 075822 | Wallowa R | Spring Creek | 04/16/95 | 26,336 | 247,153 | 96.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 38 | 0 | 0 | 0 | 0.51 |
| | 1995 071163 | Wallowa R | Spring Creek | 04/09/96 | 27,311 | 249,540 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 50 | 1 | 0 | 0 | 0.55 |
| | 1995 071216 | Wallowa R | Spring Creek | 04/23/96 | 26,755 | 244,941 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117 | 28 | 1 | 0 | 0 | 0.55 |
| | 1996 091829 | Wallowa R | Spring Creek | 04/01/97 | 26,360 | 257,776 | 87.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 20 | 0 | 0 | 0 | 0.33 |
| | 1996 091828 | Wallowa R | Spring Creek | 04/18/97 | 26,798 | 259,114 | 92.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 20 | 0 | 0 | 0 | 0.32 |
| | 1996 091831 | Wallowa R | Spring Creek | 05/15/97 | 26,588 | 85,417 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 0 | 0 | 0 | 0.04 |
| | 1996 091830 | Wallowa R | Spring Creek | 05/30/97 | 24,487 | 78,175 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 2 | 0 | 0 | 0 | 0.06 |
| | 1997 071247 | Wallowa R | Spring Creek | 03/24/98 | 25,301 | 43,570 | 49.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 9 | 0 | 0 | 0 | 0.25 |
| | 1997 092328 | Wallowa R | Spring Creek | 03/24/98 | 26,243 | 134,930 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 43 | 1 | 0 | 0 | 0.30 |
| | 1997 092329 | Wallowa R | Spring Creek | 04/08/98 | 26,245 | 184,420 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 21 | 0 | 0 | 0 | 0.38 |
| | 1997 092325 | Wallowa R | Spring Creek | 05/01/98 | 25,285 | 199,238 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 23 | 0 | 0 | 0 | 0.30 |
| | 1997 092324 | Wallowa R | Spring Creek | 05/20/98 | 22,982 | 197,209 | 96.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 28 | 0 | 0 | 0 | 0.49 |
| | 1998 092601 | Wallowa R | Spring Creek | 03/31/99 | 25,938 | 216,755 | 103.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 47 | 5 | 0 | 0 | 0.37 |
| | 1998 092602 | Wallowa R | Spring Creek | 04/15/99 | 26,156 | 218,711 | 110.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 37 | 3 | 0 | 0 | 0.26 |
| | 1998 092606 | Wallowa R | Spring Creek | 05/12/99 | 25,310 | 116,072 | 85.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 28 | 3 | 0 | 0 | 0.26 |
| | 1998 092605 | Wallowa R | Spring Creek | 05/28/99 | 26,063 | 110,357 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 43 | 5 | 0 | 0 | 0.30 |
| Oak Springs: | | | | | | | | | | | | | | | | | | | | | | | | |
| N | 1989 075212 | Umatilla R | Meacham Cr | 05/07/90 | 9,331 | 10,239 | 76.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 24 | 0 | 0 | 0 | 0.87 |
| N | 1989 075213 | Umatilla R | Meacham Cr | 05/07/90 | 9,133 | 10,022 | 76.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 28 | 0 | 0 | 0 | 1.00 |
| N | 1989 075214 | Umatilla R | Meacham Cr | 05/07/90 | 9,080 | 9,964 | 76.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 38 | 0 | 0 | 0 | 0.91 |
| N | 1989 075215 | Umatilla R | Meacham Cr | 05/11/90 | 9,511 | 9,830 | 82.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 27 | 0 | 0 | 0 | 0.99 |
| N | 1989 075216 | Umatilla R | Meacham Cr | 05/11/90 | 9,525 | 9,845 | 82.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 39 | 1 | 0 | 0 | 1.08 |
| N | 1989 075217 | Umatilla R | Meacham Cr | 05/11/90 | 9,454 | 9,771 | 82.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 24 | 0 | 0 | 0 | 0.85 |
| H | 1990 075340 | Umatilla R | Meacham Cr | 05/02/91 | 9,835 | 10,086 | 73.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 43 | 6 | 0 | 0 | 0.84 |
| H | 1990 075341 | Umatilla R | Meacham Cr | 05/02/91 | 9,819 | 10,070 | 73.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 36 | 1 | 0 | 0 | 0.70 |
| H | 1990 075342 | Umatilla R | Meacham Cr | 05/02/91 | 9,814 | 10,065 | 73.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 48 | 0 | 2 | 0 | 0.95 |
| H | 1990 075343 | Umatilla R | Meacham Cr | 05/03/91 | 9,432 | 9,754 | 52.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 35 | 0 | 0 | 0 | 0.85 |

Appendix Table A. Continued.

| Hatchery, | | | | Ocean Catch | | | | | | | | | | | | | | | | | | | |
|------------------------------|-------------|--------------|--------------|-----------------|--------|-----------|--------------|------|------|-----|----|----|-----|---|---|---|-----------------------|----|---|---|---|---------|------|
| Stock source (H, N, M) | | Release Site | Release Date | Number Released | | Size (gm) | Oregon Areas | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. | |
| brood, tagcode | Stock | | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | 1&2 | 3 | 4 | 5 | 6&7 | CA | 2 | 3 | 4 | | 5 |
| SUMMER STEELHEAD (Continued) | | | | | | | | | | | | | | | | | | | | | | | |
| Oak Springs (Continued): | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1990 075344 | Umatilla R | Meacham Cr | 05/03/91 | 9,467 | 9,791 | 52.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.69 |
| H | 1990 075345 | Umatilla R | Meacham Cr | 05/03/91 | 9,458 | 9,781 | 52.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.82 |
| Umatilla: | | | | | | | | | | | | | | | | | | | | | | | |
| N | 1991 073759 | Umatilla R | Umatilla R | 03/29/92 | 10,394 | 22,474 | 78.19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.22 |
| N | 1991 073862 | Umatilla R | Umatilla R | 03/29/92 | 10,594 | 22,902 | 78.19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.13 |
| N | 1991 074127 | Umatilla R | Umatilla R | 03/29/92 | 10,203 | 22,059 | 78.19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.26 |
| N | 1991 075841 | Umatilla R | Umatilla R | 04/30/92 | 10,108 | 22,262 | 90.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 |
| N | 1991 075842 | Umatilla R | Umatilla R | 04/30/92 | 9,498 | 21,365 | 90.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| N | 1991 075843 | Umatilla R | Umatilla R | 04/30/92 | 9,747 | 20,923 | 90.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 |
| N | 1991 075838 | Umatilla R | Umatilla R | 05/01/92 | 10,562 | 22,469 | 82.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| N | 1991 075839 | Umatilla R | Umatilla R | 05/01/92 | 10,275 | 22,662 | 82.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| N | 1991 075840 | Umatilla R | Umatilla R | 05/01/92 | 10,105 | 22,288 | 82.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| | 1992 076055 | Umatilla R | Umatilla R | 04/16/93 | 10,031 | 27,854 | 80.98 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.57 |
| | 1992 076056 | Umatilla R | Umatilla R | 04/16/93 | 9,418 | 10,021 | 80.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.59 |
| | 1992 076057 | Umatilla R | Umatilla R | 04/16/93 | 9,643 | 10,104 | 80.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.62 |
| | 1992 076058 | Umatilla R | Umatilla R | 04/18/93 | 10,194 | 24,612 | 100.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.68 |
| | 1992 076059 | Umatilla R | Umatilla R | 04/18/93 | 9,792 | 10,173 | 100.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.44 |
| | 1992 076060 | Umatilla R | Umatilla R | 04/18/93 | 9,440 | 10,039 | 100.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.78 |
| | 1992 076052 | Umatilla R | Umatilla R | 05/13/93 | 13,117 | 43,767 | 74.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.06 |
| | 1992 076053 | Umatilla R | Umatilla R | 05/13/93 | 11,410 | 11,691 | 74.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.10 |
| | 1992 076054 | Umatilla R | Umatilla R | 05/13/93 | 9,907 | 10,007 | 74.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.08 |
| | 1993 070143 | Umatilla R | Umatilla R | 04/11/94 | 10,471 | 26,481 | 92.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.41 |
| | 1993 070144 | Umatilla R | Umatilla R | 04/11/94 | 9,651 | 24,922 | 92.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.76 |
| | 1993 070141 | Umatilla R | Umatilla R | 04/14/94 | 9,952 | 24,692 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.35 |
| | 1993 070142 | Umatilla R | Umatilla R | 04/14/94 | 9,965 | 24,906 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.64 |
| | 1993 070139 | Umatilla R | Umatilla R | 05/12/94 | 8,595 | 26,411 | 87.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.06 |
| | 1993 070140 | Umatilla R | Umatilla R | 05/12/94 | 8,400 | 25,686 | 87.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| | 1994 070657 | Umatilla R | Umatilla R | 04/11/95 | 19,290 | 48,539 | 81.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.12 |
| | 1994 070656 | Umatilla R | Umatilla R | 04/13/95 | 18,812 | 49,983 | 96.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.56 |
| | 1994 070655 | Umatilla R | Umatilla R | 05/12/95 | 19,782 | 47,941 | 82.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.24 |
| | 1995 071035 | Umatilla R | Umatilla R | 04/12/96 | 19,742 | 47,543 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.65 |
| | 1995 071036 | Umatilla R | Umatilla R | 04/26/96 | 21,205 | 49,377 | 85.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.30 |
| | 1995 071034 | Umatilla R | Umatilla R | 05/09/96 | 20,633 | 49,783 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.15 |
| | 1996 091835 | Umatilla R | Umatilla R | 04/10/97 | 19,531 | 41,555 | 84.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.29 |
| | 1996 091836 | Umatilla R | Umatilla R | 04/11/97 | 19,103 | 46,788 | 98.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.55 |
| | 1996 091837 | Umatilla R | Umatilla R | 05/15/97 | 20,065 | 48,944 | 92.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| | 1997 092341 | Umatilla R | Umatilla R | 04/16/98 | 20,800 | 41,088 | 76.88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.48 |

Appendix Table A. Concluded.

| Hatchery, | | | Release Date | Number Released | | Size (gm) | Ocean Catch | | | | | | | | | | | | | Freshwater Recoveries | | | | | % Surv. |
|------------------------------|------------|--------------|--------------|-----------------|--------|-----------|-------------|------|------|-----|----|----|--------------|---|---|---|-----|----|-----|-----------------------|----|---|----|------|---------|
| Stock source (H, N, M) | | Release Site | | Ad+CWT | Total | | AK | NCBC | WCVI | GST | PS | WA | Oregon Areas | | | | | CA | 2 | 3 | 4 | 5 | 6+ | | |
| brood, tagcode | Stock | | | | | | | | | | | | 1&2 | 3 | 4 | 5 | 6&7 | | | | | | | | |
| SUMMER STEELHEAD (Continued) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Umatilla (Continued): | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1997 092340 | Umatilla R | Umatilla R | 04/17/98 | 20,646 | 49,084 | 96.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | 25 | 1 | 0 | 0 | 0.67 | |
| 1997 092339 | Umatilla R | Umatilla R | 05/04/98 | 19,468 | 47,313 | 82.47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 16 | 0 | 0 | 0 | 0.25 | |
| 1998 092525 | Umatilla R | Umatilla R | 04/13/99 | 20,450 | 44,226 | 82.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 9 | 0 | 0 | 0 | 0.15 | |
| 1998 092526 | Umatilla R | Umatilla R | 04/14/99 | 20,787 | 41,843 | 92.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 32 | 0 | 0 | 0 | 0.30 | |
| 1998 092527 | Umatilla R | Umatilla R | 05/04/99 | 19,088 | 35,564 | 76.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 0 | 0 | 0.05 | |
| WINTER STEELHEAD | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oak Springs: | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1993 070538 | Hood R | Hood R, E Fk | 04/13/94 | 5,748 | 6,445 | 84.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 4 | 0 | 0 | 0.30 | |
| 1993 070539 | Hood R | Hood R, E Fk | 04/13/94 | 6,478 | 6,521 | 84.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 | 7 | 0 | 0 | 0.42 | |
| 1993 070536 | Hood R | Hood R, E Fk | 04/13/94 | 6,821 | 6,863 | 100.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 7 | 0 | 0 | 0.29 | |
| 1993 070537 | Hood R | Hood R, E Fk | 04/13/94 | 6,170 | 6,189 | 100.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 14 | 0 | 0 | 0.42 | |
| 1994 070917 | Hood R | Hood R, E Fk | 04/19/95 | 9,654 | 11,148 | 79.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 4 | 0 | 0 | 0.28 | |
| 1994 070918 | Hood R | Hood R, E Fk | 04/19/95 | 9,387 | 10,840 | 79.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 1 | 0 | 0 | 0.37 | |
| 1994 070916 | Hood R | Hood R, E Fk | 04/19/95 | 9,935 | 10,371 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 33 | 6 | 0 | 0 | 0.40 | |
| 1994 070863 | Hood R | Hood R, E Fk | 04/20/95 | 10,096 | 10,539 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 | 13 | 0 | 0 | 0.46 | |
| 1995 071131 | Hood R | Hood R, E Fk | 05/08/96 | 23,995 | 23,995 | 88.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 5 | 0 | 0 | 0.07 | |
| 1995 071132 | Hood R | Hood R, E Fk | 05/08/96 | 26,092 | 26,871 | 90.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0.04 | |