Fish Propagation Annual Report for 2005

Fish Division

Oregon Department of Fish and Wildlife
3406 Cherry Avenue NE
Salem, OR 97303

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Contents

List of Tables

Introduction

The mission of the Oregon Department of Fish and Wildlife (ODFW) is to protect and enhance Oregon's fish and wildlife and their habitats for use and enjoyment by present and future generations. The Department is charged by statute (ORS 506.036) to protect and propagate fish in the state. This includes direct responsibility for regulating harvest of fish, protection of fish, enhancement of fish populations through habitat improvement, and the rearing and release of fish into public waters. ODFW maintains hatcheries throughout the state to provide fish for program needs. Operation of these facilities is governed by the following:

- The Oregon Plan for Salmon and Watersheds, a comprehensive plan for the conservation of salmon and the protection of their habitat which coordinates the actions of all state agencies that affect aquatic resources.
- The Native Fish Conservation Policy, which provides a basis for managing hatcheries in balance with sustainable production of naturally produced native fish.
- The Fish Hatchery Management Policy, which provides general fish culture and facility guidelines and measures to maintain genetic resources of native fish populations spawned or reared in captivity.
- The Fish Health Management Policy, which describes measures that minimize the impact of fish diseases on the state's fish resources.

Information about the Oregon Plan can be viewed at http://www.oregon-plan.org. The complete texts of the Fish Hatchery Management Policy and the Native Fish Conservation Policy may be viewed at http://www.dfw.state.or.us/fish/nfcp/. In addition to these salmon and hatchery specific state policy and plan guidelines, ODFW's hatchery program works with and responds to local watershed interests; other federal, tribal, and state co-managers; federal and state Endangered Species Act (ESA) guidelines; and all other applicable federal, state and local laws and regulations.

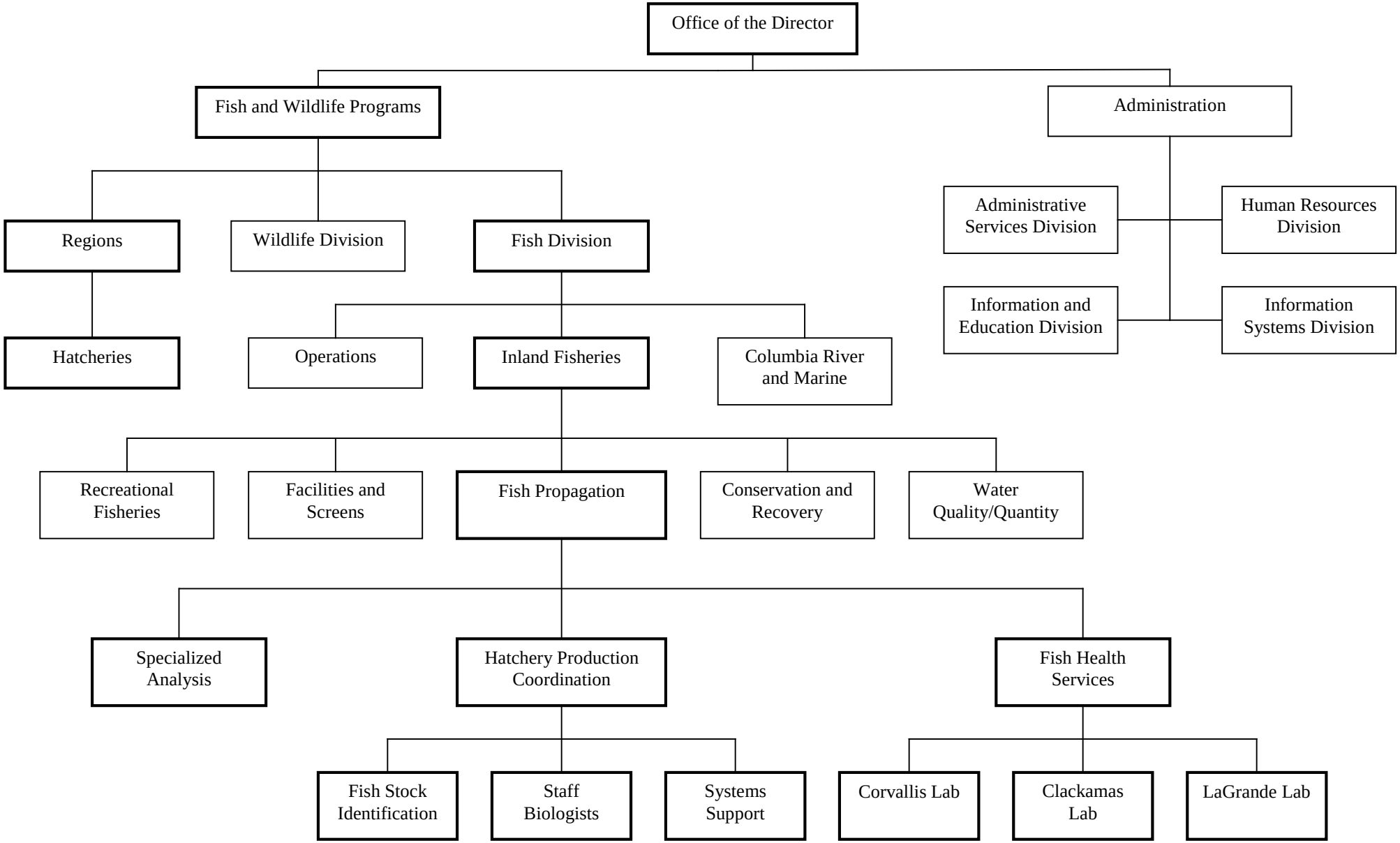
Organization

The Oregon Department of Fish and Wildlife is made up of an agency headquarters and four separate regions: Northwest, Southwest, Northeast, and High Desert. The headquarters consists of the Director's office and six divisions: Fish, Wildlife, Information and Education, Information Systems, Human Resources, and Administrative Services. The headquarters provides guidance and support to the regional offices, which in turn support the field offices and hatcheries within each region.

There are three programs under the Fish Division: Operations, Columbia River & Marine, and Inland Fisheries. Inland Fisheries is divided into the Fish Propagation, Recreational Fisheries, Facilities & Screens, Conservation & Recovery, and Water Quality/Quantity subprograms.

Fish Propagation oversees hatchery production coordination, fish health services, and specialized analyses. The hatchery production coordination group consists of fish identification, information support, and staff biologists (See Figure 1).

Figure 1. Oregon Department of Fish and Wildlife Fish Propagation Organization



Facilities

Figure 2. Oak Springs Hatchery

ODFW operated 33 hatcheries (see Figure 3), 4 rearing ponds at locations separate from hatcheries, 8 acclimation facilities, and 9 adult trapping facilities in 2005. Many of these hatcheries have been in continuous operation from the early 1900's and have been upgraded to varying degrees as funding permits, while others began operation within the last 20 years. For a complete listing of Oregon's hatcheries see **Table 1 - Oregon Department of Fish and Wildlife Fish Hatcheries**. Further information can be found online on ODFW's Hatchery Information web page at: http://www.dfw.state.or.us/fish/hatchery/ .

These facilities range in production levels from large facilities like Cole M. Rivers, which produced 509,569 pounds of fish, to small facilities like Wallowa, which reared 15,553 pounds. (See **Table 2 – Pounds of Fish Raised at ODFW Facilities in 2005**).

Funding for the operation of these facilities comes from a variety of sources: 12 are federally funded, 9 are state funded, and 12 are funded by a combination of State and Federal funds. Annual operating costs for these facilities amounted to approximately $25.8 million in 2005, of which $19.1 million was provided by Federal agencies, $2.7 million came from State general funds, and $4.0 million came from other sources, including license fees, power producers and water users such as the City of Portland and Portland General Electric (See Figures 4 and 5)**.**

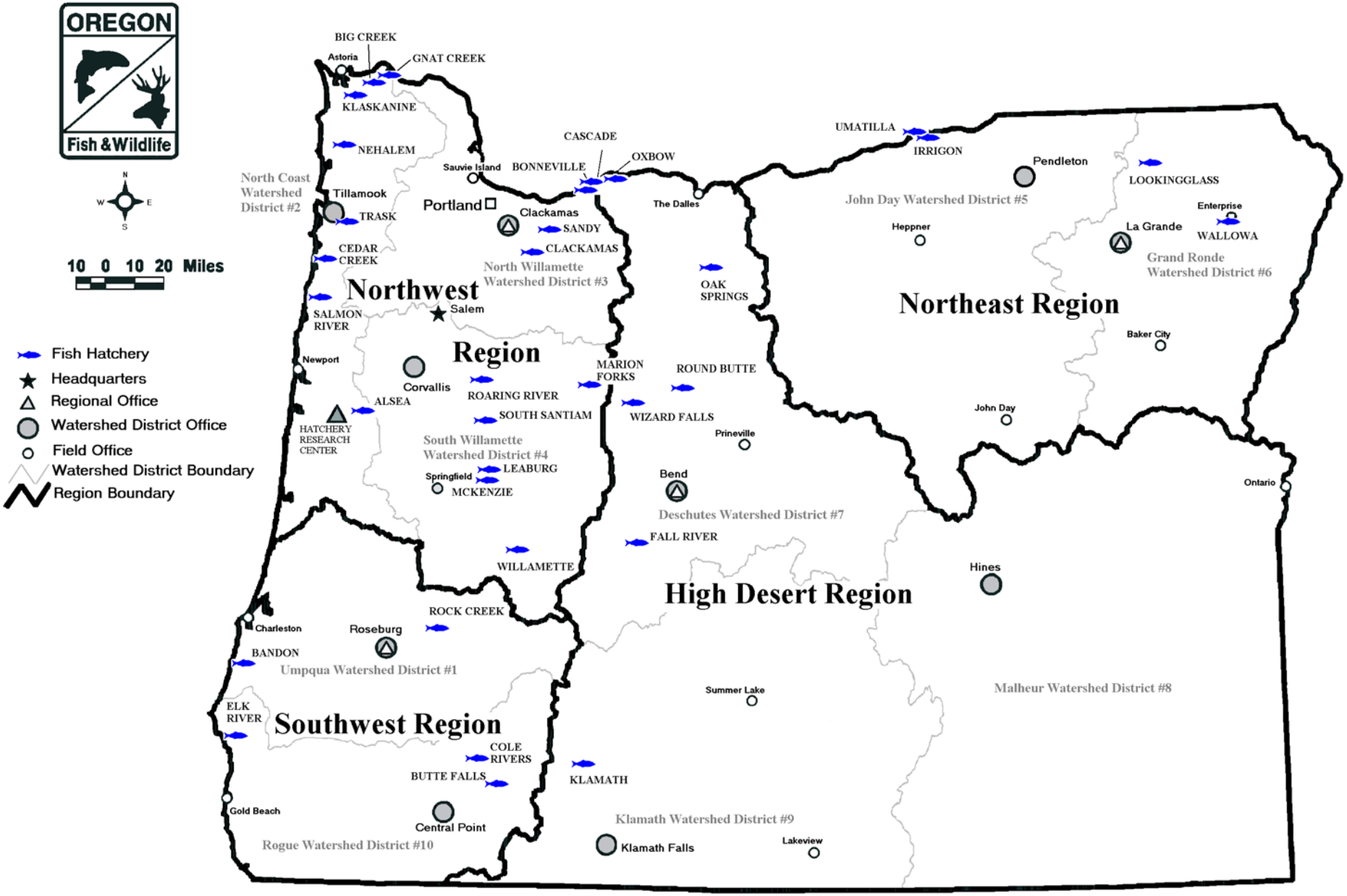


Figure 3. Oregon Department of Fish and Wildlife Fish Rearing Facilities.

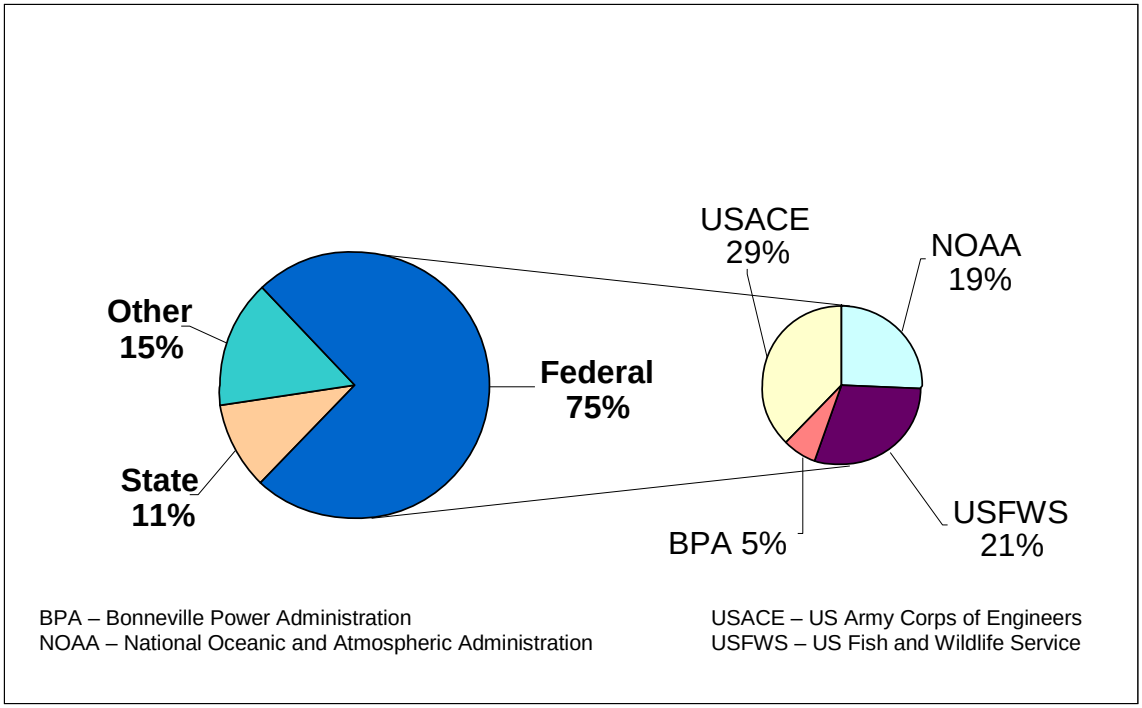


Figure 4. Funding Sources for Hatchery Operation, Maintenance and Support

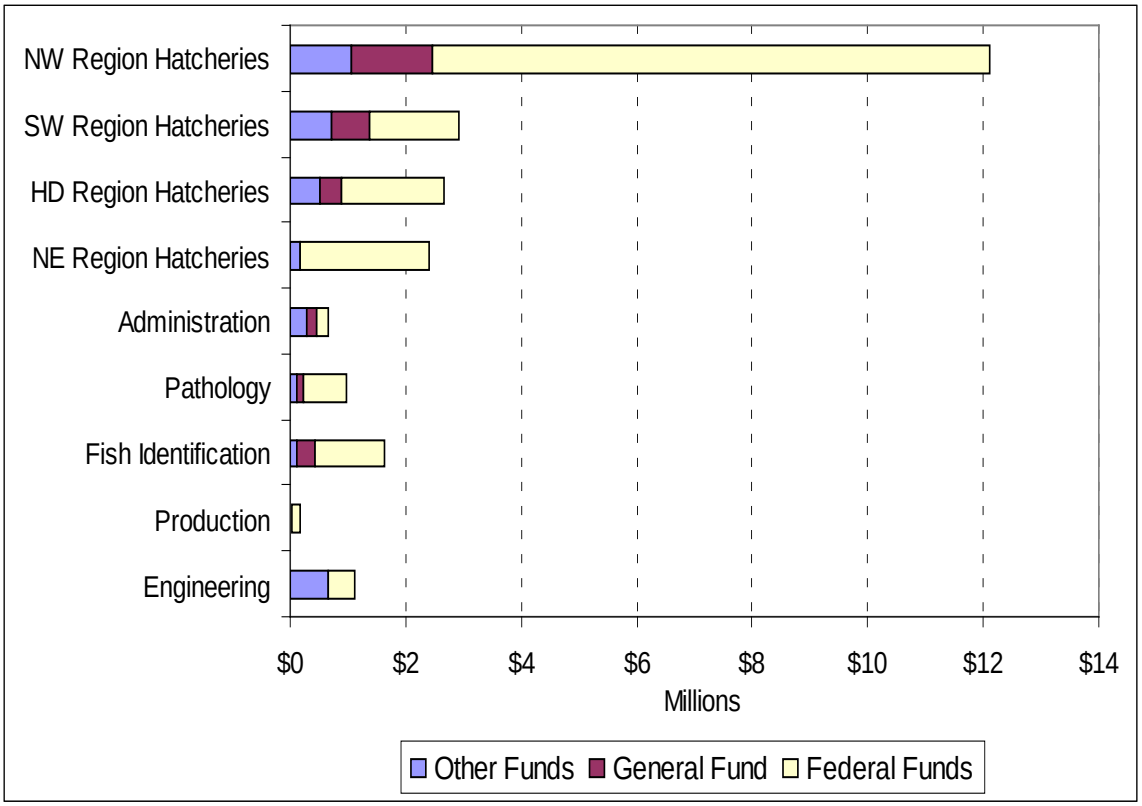


Figure 5. Disposition of Funding for Hatchery Operation, Maintenance and Support

Fish Production

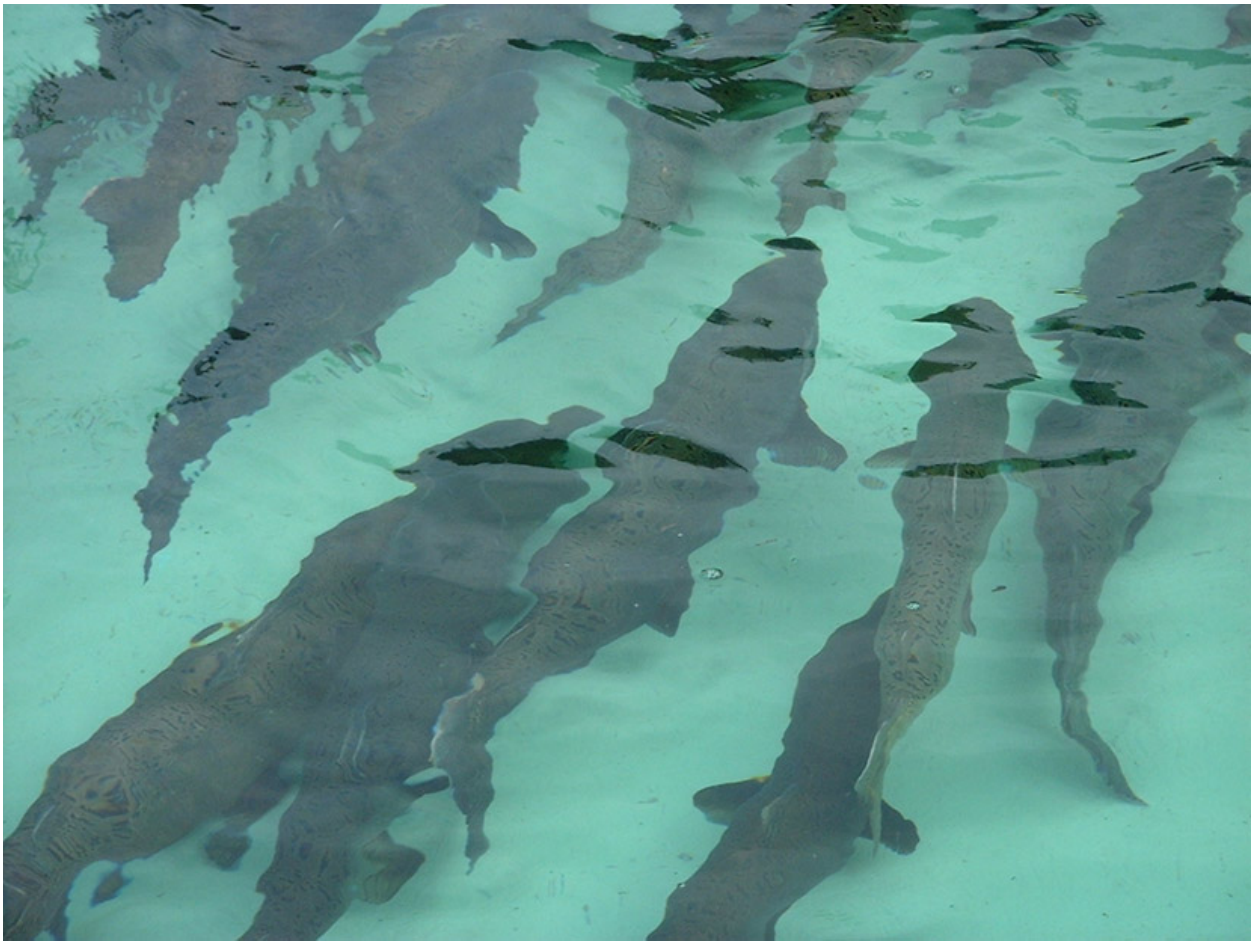


Figure 6. Adult fall Chinook salmon at Elk River Hatchery.

The fish rearing facilities of the Oregon Department of Fish and Wildlife raise 85 different stocks of salmon, steelhead, and trout; these fish are released into 468 water bodies, including 70 rivers and streams, and 398 lakes, ponds, and reservoirs. In 2005 they produced a total of 39,844,130 fish weighing 3,535,062 pounds at time of release (see **Table 3 – Numbers and Pounds of Fish Released in Calendar Year 2005)**.

Programming

Adoption of the Native Fish Conservation Policy (NFCP) and Fish Hatchery Management Policy (FHMP) has changed the way ODFW programs hatchery production levels. Under these new policies, whether or not to produce hatchery fish, when and where they can be released, and the type and objective of hatchery programs will be established in the conservation plans, for specific areas and species, developed through implementing the NFCP. The FHMP then provides guidance on how to implement the use of the hatchery tool under the NFCP conservation plans. The result of this process will be that each hatchery program will have a Hatchery Program Management Plan (HPMP) and/or Hatchery and Genetic Management Plan (HGMP) describing the objectives, goals, implementation, and monitoring of that specific hatchery program.

Consistent with the guidelines established in the conservation plans, and HPMPs and/or HGMPs, Salem headquarters fish propagation staff will prepare annual production schedules for each stock of fish based on program requests submitted by harvest management, district, STEP and research biologists. These schedules are then reviewed and revised at meetings with ODFW and co-manager staff, including regional, district, and hatchery managers. The final drafts are then sent to the hatcheries in time to begin planning for the upcoming production season. These schedules include the numbers of eggs needed to meet program requirements, numbers and sizes of fish to be transferred or released, and tentative dates for transfers and releases, as well as numbers of fish to be marked and coded-wire tagged.

This information is used by the hatcheries to determine numbers of adults to be collected to provide the necessary numbers of eggs, incubation schedules for eggs and fry, allocation of pond space and water for rearing, feeding schedules to ensure that fish reach the proper size at the proper time, fish tagging and marking operations, fish hauling schedules for transfers and off-station releases, and timing of on-station releases.

Operations

Figure 7. Spawning spring Chinook salmon at McKenzie Hatchery. *Left* – removing eggs from female salmon. *Right* – placing eggs in trays for incubation.

On May 9, 2003 the Fish and Wildlife Commission adopted the Fish Hatchery Management Policy. The policy sets overall goals for the hatchery program, and calls for development of hatchery program management plans to meet those goals. It distinguishes two main types of programs: harvest hatchery programs, which operate to enhance or maintain fisheries without impairing naturally reproducing populations; and conservation hatchery programs, which operate

to maintain or increase the number of naturally produced fish without reducing the productivity of naturally produced fish populations.

The policy sets guidelines for fish culture operations, hatchery facilities operations, program monitoring and evaluation, hatchery record keeping, and training of hatchery personnel.

In 2004, Hatchery Operations Plans were prepared for all ODFW hatcheries; the purpose of these plans is to provide general information on the hatchery programs and production goals. The Hatchery Operations Plans can be viewed online at the ODFW Hatchery Information web page: http://www.dfw.state.or.us/fish/hatchery/. These Operation Plans will be updated periodically.

Production Summaries

Throughout the rearing process, information is submitted by the hatcheries, allowing the progress of operations to be tracked. The information is stored electronically on the ODFW headquarters mainframe (See Information Support Section below). This information is summarized in periodic reports, which provide information on daily and annual propagation and associated activities to government agencies and the public.

Table 3 – Numbers and Pounds of Fish Released in Calendar Year 2005 shows the numbers and pounds of each species and stock of fish produced at the hatcheries in each region. A total of 39.8 million fish at a combined weight of 3.5 million pounds were reared and released into the waters of Oregon. Of these releases, approximately 33.8 million are anadromous fish (salmon and steelhead) and 6.0 million are resident fish (mainly trout). Figure 8 shows the overall trends in fish releases over the last ten years. In addition, ODFW hatcheries reared 4.8 million fish for release in Washington and Idaho (see **Table 4 –Fish Produced by ODFW Hatcheries for Release Outside Oregon**).

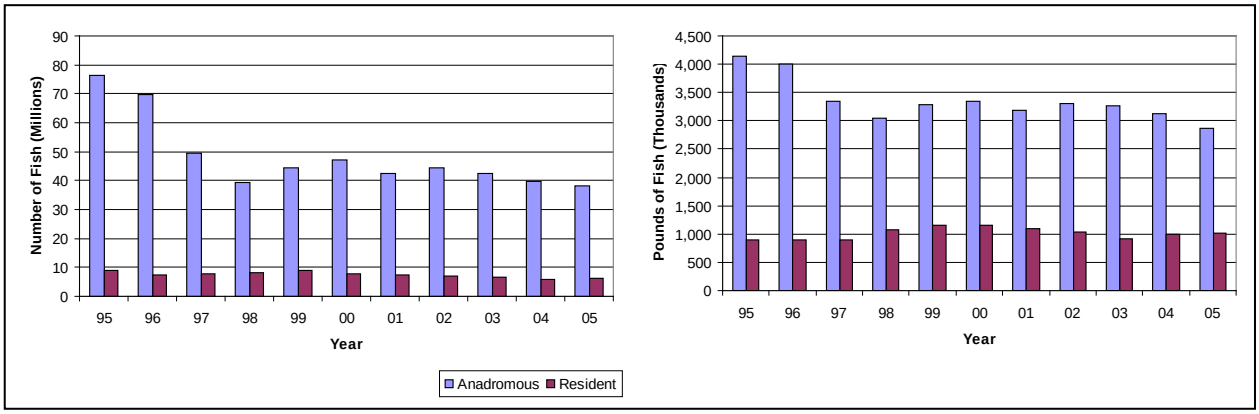


Figure 8. Numbers and pounds of fish released in Oregon from 1995 to 2005.

Figure 9. Loading rainbow trout for boat stocking on the McKenzie River

Table 5 – Numbers and Pounds of Fish Stocked by Watershed in Calendar Year 2005 shows the numbers and pounds of each species stocked in each of the 18 major watersheds in Oregon. A total of 44.2 million fish weighing 3.9 million pounds were stocked. These numbers are greater than those in Table 3 because this table includes fish from sources other than ODFW hatcheries, such as fish from federally operated hatcheries, fish supplied to ODFW by private hatcheries, and warm water game fish (see **Table 6 – Fish Produced Outside ODFW Hatcheries for Release in Oregon in 2005**, and **Table 7 - Fish Purchased by ODFW from Private Fish Propagators in 2005**).

Table 8 – Summary of Egg and Fry Rearing for Brood Year 2005 summarizes the egg and fry incubation statistics for each hatchery. Over 22,000 female fish were spawned to produce over 77 million eggs at ODFW hatcheries.

Table 9 – Fish Loss Reports for 2005 lists major egg and fish losses at ODFW hatcheries. The ODFW Hatchery Management Policy requires that a Fish Loss Report/Investigation be filed whenever 1,000 or more juvenile fish or 10 or more adult fish are accidentally lost in a single incident.

Table 10 – Adult Anadromous Fish Dispositions for 2005 summarizes the returns of adult fish (both wild and hatchery) of each species and stock to each adult collection site and the final

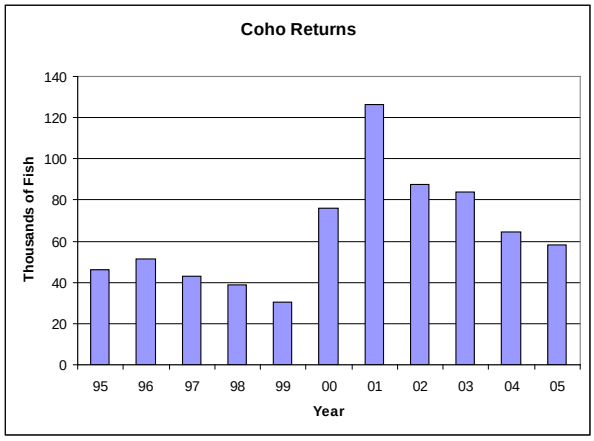
disposition of those fish. A total of 58,587 coho, 44,651 fall Chinook, 44,041 spring Chinook, 28,946 summer steelhead, and 15,418 winter steelhead returned to ODFW hatcheries and trapping facilities. Figure 10 shows the total returns of anadromous adults to ODFW hatcheries over the previous ten years. *(Note: Table 10 was updated on 3/1/2019 to correct discrepancies in the original table).*

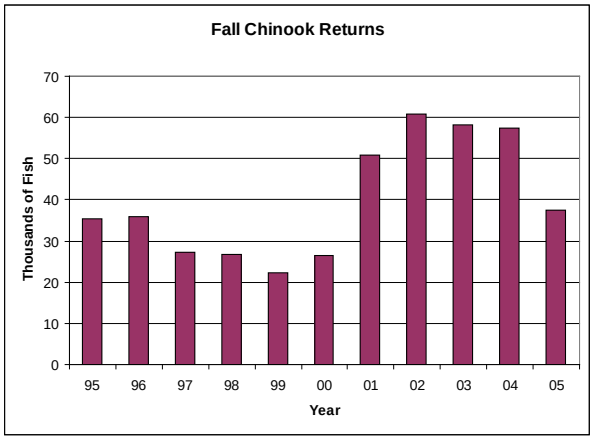
Table 11 – Wild Adult Fish Collection and Disposition for 2005 displays the numbers of wild or unmarked fish handled at ODFW facilities. The manner in which these wild fish are handled depends on the management goal for each stock. In segregated programs, no wild fish are utilized as broodstock, and any wild fish that enter a collection site are released, either above the collection barrier or recycled to sites downstream. In integrated programs, a portion of the wild stock is incorporated into the hatchery program, while the major portion is released. In the case of steelhead, wild broodstock may be live-spawned and released. In some programs, only wild stock is utilized as broodstock.

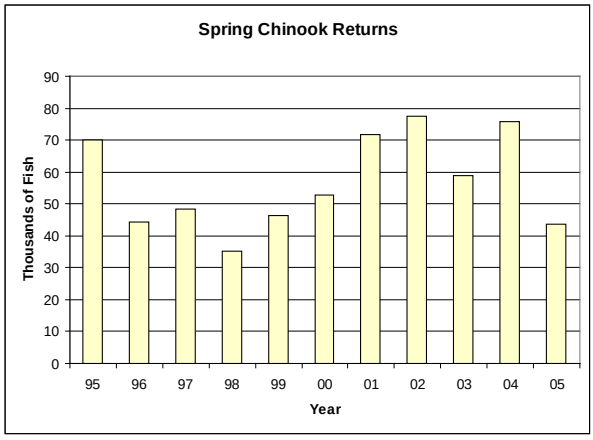
Adult hatchery fish returning to collection facilities are used to meet program objectives and, if available, provide other ecological, societal and program benefits. Hatchery programs are managed as best as possible to meet, but not exceed, program objectives for returning adult fish. Environmental variation and other factors outside of management control may result in significantly less or more fish than planned. Adult returns exceeding program objectives are managed to provide the maximum social and ecological benefit, consistent with watershed health and native fish conservation objectives, according to guidelines in the Fish Hatchery Management Policy. Dispositions of excess fish include:

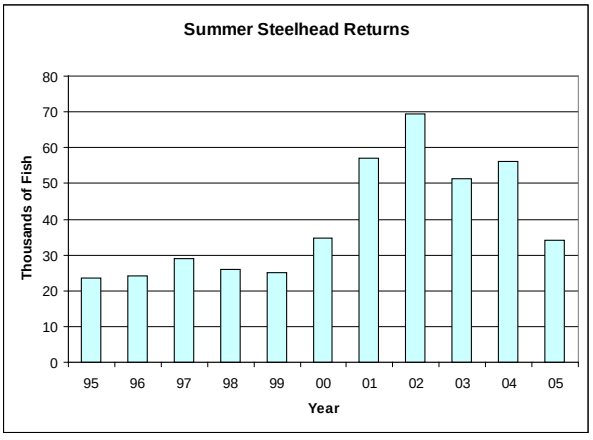
- Providing fish for tribal ceremonial and subsistence use, consistent with agreements and tribal jurisdiction.
- Recycling and relocating fish for additional harvest opportunities.
- Allowing hatchery fish to spawn naturally at locations and numbers identified in existing fish management plans or new plans developed through the process outlined in the *Native Fish Conservation Policy*.
- Placing carcasses in natural spawning and rearing areas to enhance nutrient recycling, consistent with fish pathology constraints and basin plans. During 2005, ODFW hatcheries supplied over 22,600 carcasses for stream nutrient enhancement. **Table 12 – Adult Carcass Placement for Stream Enrichment** lists the numbers of fish placed by location. Further details on carcass placement for stream enrichment can be found online at: http://rainbow.dfw.state.or.us/nrimp/information/.
- Providing for experimental, scientific or educational uses identified in management plans or other ODFW Watershed District agreements (see **Table 13 – Hatchery Produced Fish and Eggs Provided for Education or Research in 2005**).
- Selling surplus eggs and carcasses from selected facilities to provide revenues to support hatchery programs and facilities. Starting in 2005, eggs and carcasses were no longer bid separately, but were sold as whole fish to the highest bidder. **Table 14 – Surplus Salmon Carcass Sales 2005** shows that a total of 43,415 fish weighing 510,120 pounds were sold for $376,330.

- Providing fish to food share programs benefiting needy Oregonians. In 2005, approximately 30,000 fish, equivalent to over 146,000 servings, were donated to the Oregon Food Bank, local food banks and other charitable organizations. Since 2001,









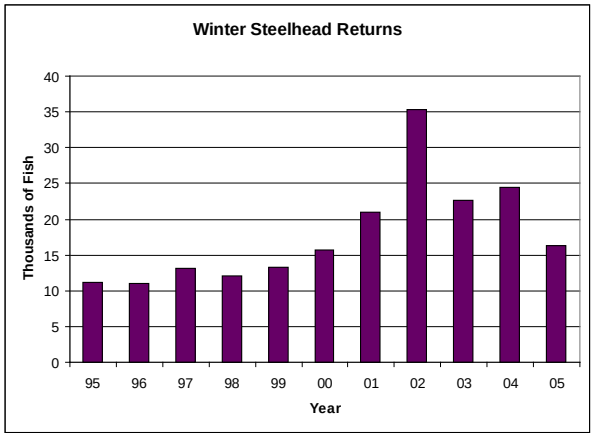


Figure 10. Total anadromous adult returns to all ODFW hatcheries from 1995 to 2005.

ODFW has donated over 300,000 pounds of fish, equivalent to 1.2 million 4-ounce servings.

Carcasses that are unsuitable for any of the above uses are processed for animal feed, rendered, or buried.

Triploid Trout Program

Figure 11. Triploid trout egg production at Oak Springs Hatchery. Left – Lightweight trays used for exposing eggs to heated water to induce triploidy. *Right* – Propane on-demand water heater used to raise water temperature for shocking eggs.

In 2004, ODFW began implementation of a pilot program to produce triploid trout, as the first step toward the goal of stocking only triploid trout in Oregon's waterbodies. Triploid fish are produced by manipulating the eggs shortly after fertilization, using temperature or pressure, to cause the egg to retain three sets of chromosomes rather than the normal two (diploid). The advantage of stocking triploid fish is that they are sterile, so the genetic impact of stocked hatchery fish on natural fish populations can be greatly reduced. Sterile triploid fish also live longer than diploid fish, providing increased angling opportunities.

Propane-fueled on-demand water heaters capable of providing water at 30^{o}F above ambient temperature were installed at Oak Springs Hatchery, Roaring River Hatchery and Wizard Falls Hatchery to provide heated water to shock the eggs to induce triploidy.

The rate of triploid induction is determined by Fish Health Services staff using flow cytometry. This method measures the amount of DNA present in blood samples taken from the fish once they are large enough for sampling. Blood from a triploid fish will have more DNA than that of a diploid fish due to the presence of the third set of chromosomes.

In 2005 over 13 million triploid rainbow trout eggs and 387,000 triploid brook trout eggs were produced. **Table 15 – Triploid Trout Egg Production Statistics** provides information on egg production for this program.

Repair and Maintenance

Figure 12. Expansiopn of the adult trap at North Nehalem Hatchery.

Major repair and maintenance projects at ODFW hatcheries are overseen by the Facilities and Screens Section of the Fish Division. **Table 16 - Hatchery Maintenance Projects Completed in 2005** lists the projects that were undertaken at various sites throughout the year.

Technical Services

Fish Health

The Fish Health Management Policy calls for restricting the amplification and dissemination of disease agents from both hatchery and naturally produced fish, and the introduction of novel pathogens into natural environments. Fish Health Services staff are responsible for detecting disease agents from fish in ODFW hatcheries and from natural environments, for testing trout from private hatcheries for the parasite *Myxobolus cerebralis*, and for overseeing the containment and treatment of disease agents to minimize impacts on fish populations. Staff conduct regular fish health examinations, investigate excessive fish losses, recommend preventative and therapeutic treatments, and maintain records of disease diagnoses.

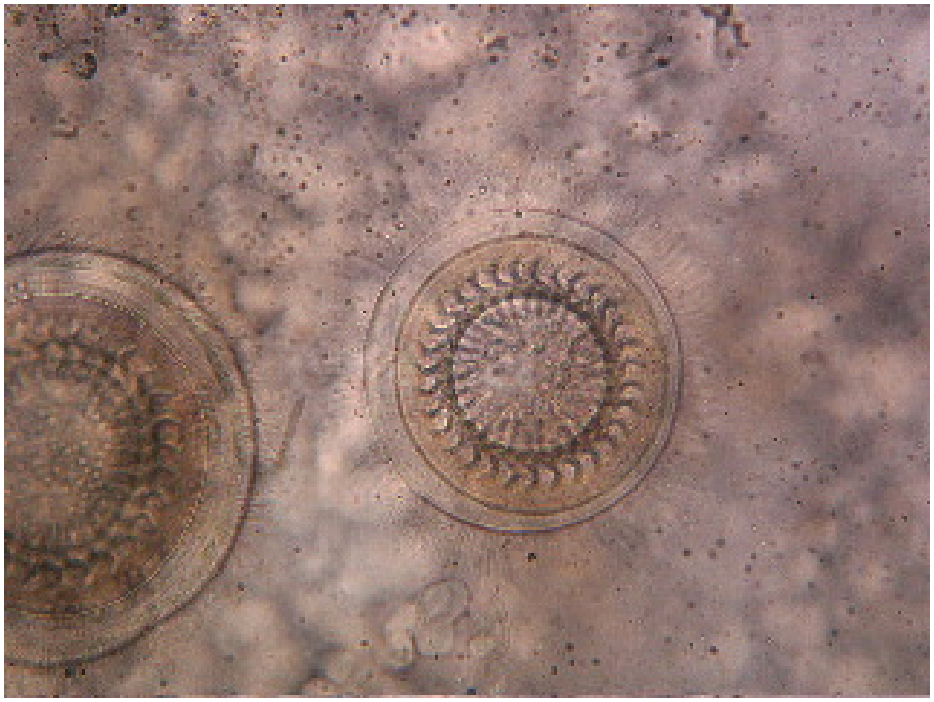


Figure 13. Microscopic view of the fish parasite Trichodina.

Fish Health Services operates three diagnostic laboratories located in Corvallis, Clackamas, and LaGrande. It employs five fish health specialists, a fish health specialist/virologist, four microbiologists and three seasonal fish health technicians. **Table 17 - Frequency of Pathogen Diagnosis at ODFW Hatcheries in 2005** provides a summary of the parasitic, bacterial, fungal and viral agents identified in various species of fish. Figure 14 compares the frequencies of pathogen diagnoses over the past three years.

Specialized Analyses

The person in this position acts as the agency expert on monitoring, evaluation, and assessment of the ODFW hatchery program. This involves retrieving and analyzing information from hatchery production data, fish tagging data, fishery harvest and management data, natural production data, and research data, and drawing conclusions concerning the long-term performance of hatchery programs and their contributions to ocean and freshwater fisheries. This information is then used by ODFW and other agencies to make decisions regarding these hatchery programs. **Table 18 – Tag Recoveries for ODFW Hatchery Stocks** provides a 10-year summary of tagged fish releases and recoveries for stocks of anadromous fish reared at ODFW hatcheries. Figure 15 shows total tag recovery percentages for coho, fall chinook, spring chinook, and summer steelhead based on the most recent ten year period for which complete data is available.

More detailed information on releases and recoveries of tagged fish and survival rates for hatchery stocks are presented in the latest Stock Assessment Annual Report, which can be

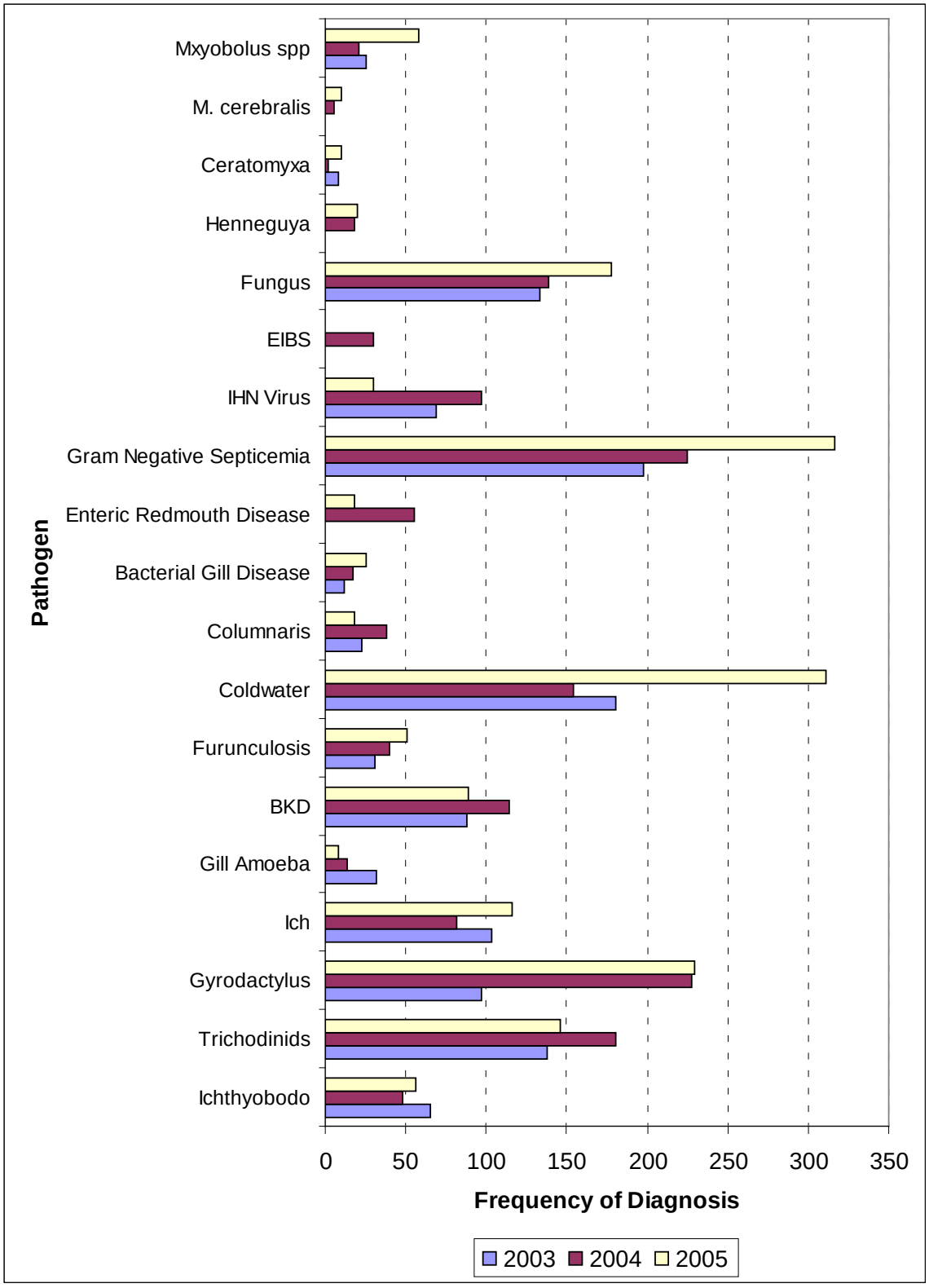
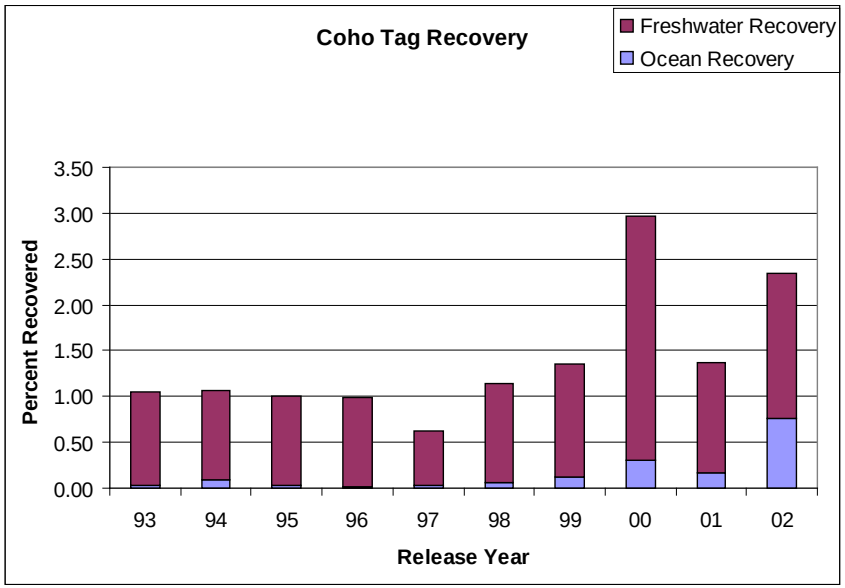
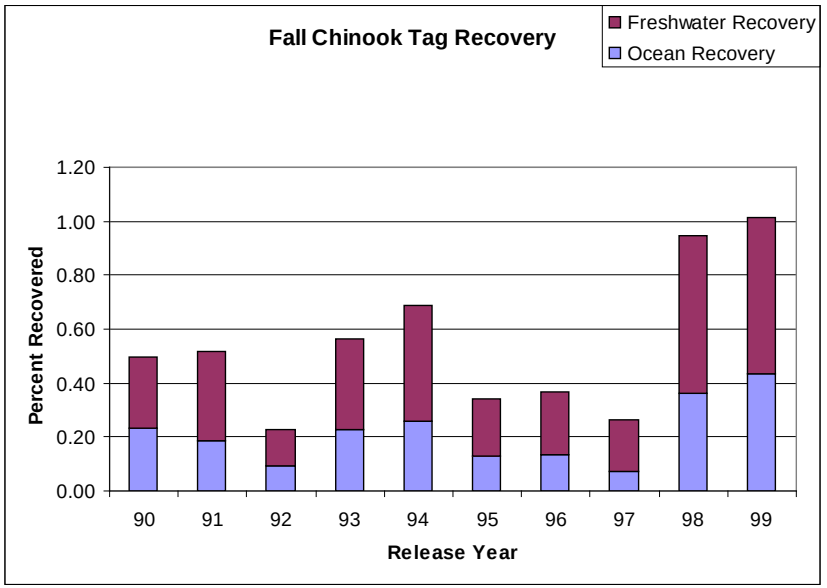
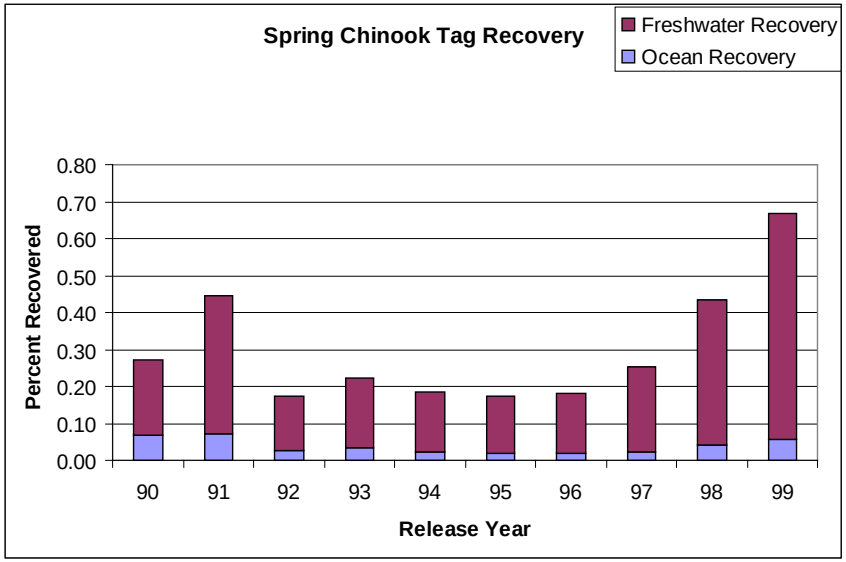


Figure 14. Comparison of the frequency of pathogen diagnoses at ODFW hatcheries from 2003 to 2005.







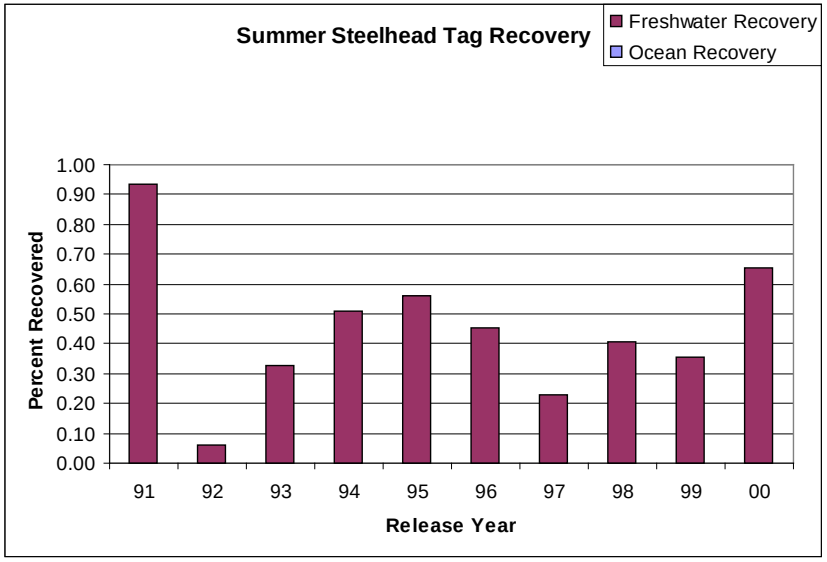


Figure 15. Trends in coded-wire tag recoveries from hatchery releases of coho, fall chinook, spring chinook, and summer steelhead. Percentages of tags recovered provide an estimate of smolt-to-adult survival rate.

viewed online at: http://oregonstate.edu/Dept/ODFW/progress-reports/index.html. This data can be retrieved from the Pacific State Marine Fisheries Commission online database at: http://www.rmis.org/.

Fish Stock Identification

The section provides technical services by marking juvenile salmon and trout at primarily state operated hatcheries. The types of marks used include fin excision, Coded Wire Tags (CWTs), Passive Integrated Transponder (PIT) tags, Visual Implant (VI) tags and various other experimental tags. In addition, the section's central CWT Recovery Laboratory located in Clackamas extracts, decodes and verifies CWTs from adult fish sampled in Oregon's fisheries and from escapement areas such as hatchery returns and spawning grounds. Program personnel operate and maintain sixteen mobile marking units, including electronic sorters, tag injectors and quality control devices. Most coastal research and management projects depend on representative marking and tagging of anadromous fish releases and are influenced by the section's operation. The program employs ten permanent and six seasonal/limited duration positions. Approximately 26 million fish are marked and/or tagged each year. Additionally about 40,000 CWTs are processed in the Recovery Laboratory. The annual operating budget is approximately $1,600,000. **Table 19 – Marking and Tagging Summary for Calendar Year 2005** lists the numbers of each species and stock of fish marked and/or tagged at ODFW hatcheries. **Table 20 – Number of Tags Recovered by Fishery in 2005** shows the number of tags recovered and read for each fishery during the year.

As ODFW has moved toward the goal of mass marking all hatchery releases of salmon and steelhead, the work load of the Fish ID Section has increased substantially (see Figure 16). In order to help meet this goal, the Fish ID Section purchased three automated mass marking trailers, which were received in 2004.

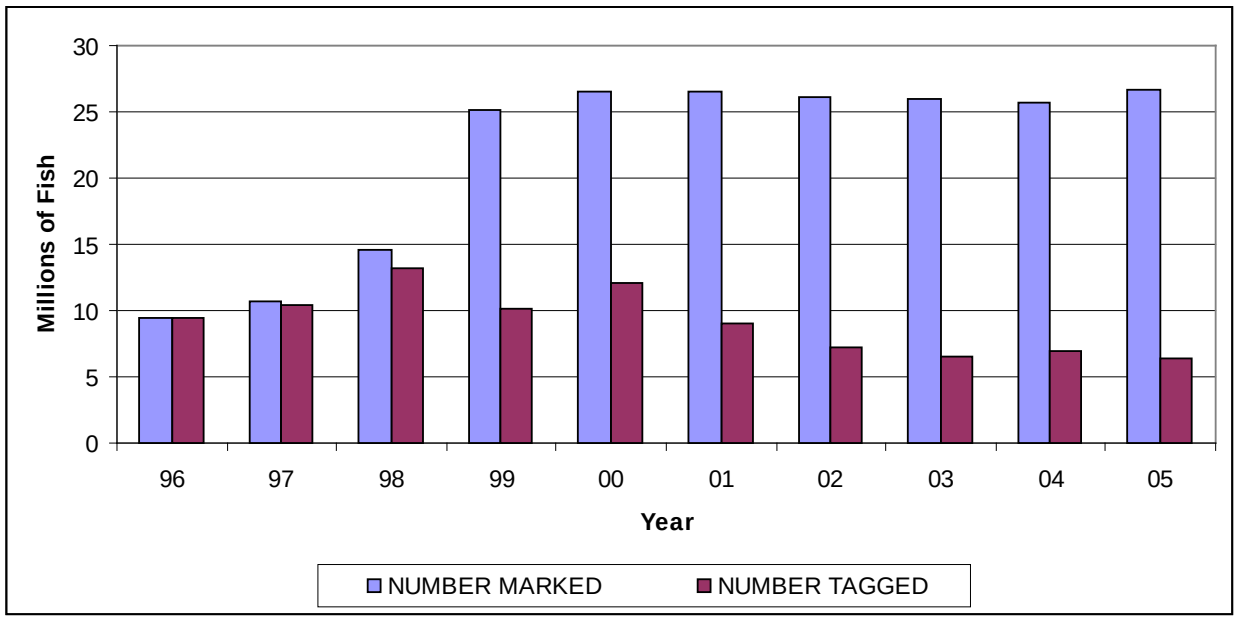


Figure 16. Total Numbers of Fish Marked and Tagged from 1996 to 2005.

Figure 17. Fish Stock Identification operations. *Upper left* – manually fin clipping a fingerling. *Upper right* – inserting a coded-wire tag into the snout. *Lower left* – dissecting an adult snout to retrieve the coded-wire tag. *Lower right* – reading the coded-wire tag under a microscope.

Information Support

This section is responsible for developing and maintaining databases on the headquarters mainframe computer, which are used by Fish Propagation staff for recording, compiling, and analyzing data; preparing reports; and providing information to ODFW staff, other agencies, and the public.

The Hatchery Management Information System (HMIS) provides storage of information on hatchery fish culture operations, including adult fish handling, egg and fry incubation, fish rearing, fish transfers and liberations. Using desktop computers, hatchery personnel can enter this data directly into the mainframe, where it is compiled and error-checked by Information Support staff.

The Coded Wire Tag Database maintains data from the Fish ID section and all tag recovery data from Oregon collection sites. Information Services maintains this database to conform to Pacific States Marine Fish Commission data standards and reporting requirements. This data is also utilized by the Special Analyses section for assessment of hatchery programs.

The Information Support section also coordinates activities associated with Oregon's Salmon/Steelhead/Sturgeon/Halibut Sports Harvest cards. This includes maintaining the Sports Harvest database, compiling data, developing reports, coordinating the annual Sports Harvest Card lottery, and distributing prizes from private donors.

Administration

The Headquarters (Salem) fish propagation staff provide coordination of the statewide fish production program, including budget preparation and management; consultation with the Facilities and Screens staff on biological and fiscal matters relating to construction and maintenance projects; guidance, through the regional hatchery coordinators, of hatchery operations; representation of propagation programs in Fish Division, executive level, and Commission meetings; and handling of routine operational matters.

The listing of several salmon and steelhead stocks under the Endangered Species Act has involved the propagation staff in the review process for the Hatchery Genetic Management Plans (HGMP). These documents are required by NOAA Fisheries and provide a review of each hatchery's current operational components for each fish species reared at a facility. Following public and ODFW review, the HGMPs are submitted to NOAA Fisheries for final review and approval. HGMPs fulfill the Fish Hatchery Management Plan requirements for a hatchery program management plan. **Table 21 – Status of Hatchery Genetic Management Plans** lists the species and stocks under propagation and also the native stocks that may be affected by the program and the current status of the HGMPs for all programs. Final HGMPs have been submitted to NOAA Fisheries for 69 out of 83 fish stocks.

Propagation staff work with the ODFW Procurement staff and with the Department of Administrative Services to request bids and award contracts for:

- The sale of non-viable salmon eggs and adult salmon carcasses. Eggs and adult salmon that are in excess of program needs are sold to vendors, generating over $376,000 in sales in 2005 (see **Table 14 – Surplus Salmon Carcass Sales 2005**). Beginning in 2005, eggs

and carcasses were no longer bid separately, but were sold as whole fish to a single buyer through a competitive bid process.

- The purchase of trout from private hatcheries for stocking in state waters. The passage of Senate Bill 834 in 1999 and House Bill 3334 in 2001 required that 10% of the trout stocked in Oregon must come from privately owned hatcheries. This program purchases approximately 127,000 fish, costing about $140,000, that are stocked in 35 lakes, ponds and reservoirs throughout the state.
- The purchase of fish feeds. Five vendors contract to supply feeds of different types and sizes, designed to meet the needs of the different life stages of the species raised at ODFW hatcheries. In 2005, ODFW hatcheries purchased over 1,800 tons of feed at a cost of $2.03 million. **Table 22 – Fish Feed Purchased in 2005** shows the amounts of feed purchased by each hatchery from the five vendors.
- The issuing of licenses to private fish propagators for the operation of hatcheries and rearing facilities. In 2005 there were 30 licensed private facilities in Oregon which sold over 680,000 fish (see **Table 23 – Fish Sales Reported by Private Hatcheries in 2005**).

Propagation staff also answer requests from schools and other government agencies for fish or eggs for educational or research purposes. **Table 13 - Hatchery Produced Fish and Eggs Provided for Education or Research in 2005** lists the numbers of fish or eggs provided to each requestor.

Other duties include working with hatchery staff on the reporting of water quality and chemical usage data to the Oregon Department of Environmental Quality to comply with the federal Clean Water Act, compiling hatchery progress reports, recording feed purchase information, and overseeing the hatchery housing maintenance program.

Hatchery Related Research and Monitoring Projects

Bonneville/Ringold Hatchery Evaluation

The Bonneville/Ringold Hatchery Evaluation, ongoing since the late 1970's, has focused on evaluating catch, escapement, and survival of Bonneville Hatchery (and recently Ringold Hatchery) fish released to mitigate for the loss of 30,000 adult fall Chinook salmon that spawned in the mainstem Columbia River prior to the construction of John Day Dam. The goal of the project is to evaluate rearing and release strategies that will help improve survival of fish for John Day mitigation.

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Grande Ronde Basin Spring Chinook Captive Broodstock Program

This program was initiated as a conservation measure in response to severely declining runs of Chinook salmon in the Grande Ronde subbasin. Our goals are to prevent extinction of the three populations; provide a future basis to reverse the decline in stock abundance of Grande Ronde River Chinook salmon and other threatened salmon populations; and develop methods that will ensure a high probability of population persistence well into the future once the causes of basin wide population declines have been addressed. A comprehensive monitoring and evaluation program is underway to assess the performance of accelerated and natural presmolt growth regimes, freshwater and saltwater post-smolt treatments and determine the success of achieving management objectives. Associated objectives include:

1) Reduce the demographic risks associated with the decline of native wild Chinook salmon populations in Lostine and upper Grande Ronde rivers and Catherine Creek.
2) Maintain genetic diversity of indigenous artificially propagated Chinook salmon populations.
3) Maintain genetic diversity of wild populations.
4) Develop indigenous broodstocks for Grande Ronde Chinook salmon hatchery program.
5) Modify facilities at Bonneville and Lookingglass fish hatcheries to provide capability to implement captive broodstock programs.
6) Assess captive broodstock program performance in achieving adult broodstock, smolt production, adult return goals and management objectives.
7) Determine optimum program operational criteria to ensure success of achieving objectives.
8) Assess the utility of captive broodstock programs for use in recovery of salmonids.

This captive broodstock project was initiated in the Grande Ronde subbasin in 1995. Spring Chinook salmon juveniles were collected from Catherine Creek and the Lostine River from 1995 to 2005 (1994–2004 cohorts) and from the upper Grande Ronde River in 1995 to 2005 (except 1996 and 2000 when no juvenile fish were found). Fish from 1995–2002 collections were reared at Lookingglass Hatchery, and fish from 2003–2005 collections were reared at Wallowa Hatchery, until the smolt stage when they were transferred to facilities at Bonneville Hatchery and Manchester Research Station (NOAA Fisheries). This work was initially funded by the USFWS under LSRCP. It was transferred to the BPA Fish and Wildlife Program in FY1998 as Project 199801001.

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Relevant Web Page(s):

Annual Reports: http://www.efw.bpa.gov/Publications/A00004023-1.pdf
Project Proposals: http://www.cbfwa.org/projects/

Hood River Steelhead Genetic Pedigree Project

There is a considerable interest in using hatcheries to speed the recovery of wild populations. The Bonneville Power Administration (BPA), under the authority of the Northwest Power Planning Act, is currently funding several hatchery programs in the Columbia Basin as off-site mitigation for impacts to salmon and steelhead caused by the Columbia River federal hydropower system. One such project is located on the Hood River, an Oregon tributary of the Columbia. These hatchery programs cost the region millions of dollars. However, whether such programs actually improve the status of wild fish remains untested. The goal of this project was to evaluate the effectiveness of the Hood River hatchery program as required by the Northwest Power Planning Council Fish and Wildlife Program, by the Oregon Plan for Coastal Salmonids, by NMFS ESA Section 4(d) rulings, and by the Oregon Department of Fish and Wildlife (ODFW) Wild Fish Management Policy (OAR 635-07-525 through 529) and the ODFW Hatchery Fish Gene Resource Management Policy (OAR 635-07-540 through 541). This work was funded by the Bonneville Power Administration through BPA Intergovernmental Contract 9245 (Project # 1988-053-12), and through ODFW Interagency agreement No. 001-2007s. The project was designed to address the following specific questions:

(1) What is the mean and year-to-year variance in relative reproductive success (adult to adult production) of conservation hatchery-origin (H_{new}) and wild-origin (W) fish that spawned naturally in the Hood River?
(2) Are "new" hatchery stocks closer in fitness to wild fish than "old" hatchery stocks?

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Northeast Oregon Fish Research

The goals of these studies are: 1) to evaluate the success of achieving Lower Snake River Compensation Plan objectives; 2) develop and recommend hatchery practices for LSRCP hatchery production facilities in Oregon that will meet compensation requirements and management objectives for the production of spring Chinook salmon and summer steelhead lost as a result of construction of the Lower Snake River dams; and 3) provide natural production and life history information to assist in recovery and monitoring of threatened salmonids in NE Oregon. We are conducting an ongoing comprehensive evaluation program for LSRCP activities in Oregon that address the following general guidelines:

1. Develop and evaluate operational procedures which will meet recovery and compensation goals as well as management objectives by priority.
2. Monitor operational practices to document hatchery production capabilities and challenges.
3. Monitor fish-rearing activities and results to document accomplishment of goals.
4. Coordinate research and management programs with hatchery capabilities.
5. Recommend hatchery production strategies that are consistent with endangered species recovery efforts.

6. Develop knowledge and information to guide recovery actions and to monitor recovery in the Grande Ronde and Imnaha river basins.

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Relevant Web Page(s): http://www.fws.gov/lsnakecomplan/

Oregon Hatchery Research Center

Figure 18. The Oregon Hatchery Research Center

In conjunction with Oregon State University, ODFW has remodeled the site of a closed production hatchery into a state-of-the art hatchery research center that includes four artificial stream channels, a tank farm of 88 tanks with four different diameters, a series of wet and dry laboratories, and other resources. The facility officially opened on October 15, 2005.

The mission of the Hatchery Research Center is to understand the mechanisms that may create differences between hatchery and wild salmon and steelhead, develop approaches to best manage the differences in order to meet fishery and conservation objectives, and help Oregonians understand the role and performance of hatcheries in responsibly using and protecting Oregon's native fish.

Information gained at the Research Center will help answer questions vital to the success of the Oregon Plan for Salmon and Watersheds and the Native Fish Conservation Policy.

The facility is owned and operated by ODFW, which provides base funding of $1,000,000 per biennium for facility operation, salaries for personnel, and graduate student support.

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Select Area Fishery Evaluation (SAFE)

The Select Area Fisheries Evaluation (SAFE) Project was initiated in late 1993 with funding by the Bonneville Power Administration based on a recommendation by the Northwest Power Planning Council. The goal of the project is to determine the feasibility of creating and expanding terminal known stock commercial and recreational fisheries in the Columbia River Basin to allow harvest of strong anadromous salmonid stocks while minimizing impacts to depressed salmonid stocks.

During 1993-1996, 25 potential sites were evaluated for rearing potential, capacity for fishers, access, water quality, and potential to impact non-local stocks, of which eight were selected for further study. Physicochemical and aquatic bio-monitoring surveys and extensive test fishing were conducted to establish baseline conditions, including if, and when non-local stocks use each area. Given available funding, five Select Area fishing areas were established and four currently

exist including Youngs Bay, Tongue Point/South Channel, and Blind Slough/Knappa Slough in Oregon and Deep River in Washington.

Smolt production is accomplished through various rearing strategies including over-winter rearing and acclimation releases from net pens located in the four sites as well as direct releases from associated hatcheries. Current production includes about 1.2 million spring chinook, 1.5 million fall chinook, and 2.1 million coho.

The program has demonstrated high smolt-to-adult survival rates, high harvest rates, low stray rates for returning adults, low impacts to non-local salmonids, and high economic value to the fishers and the communities that benefit from the fisheries. The ex-vessel value of the landings in Select Area commercial fisheries has increased from approximately $198,000 in 1996 to 1.2 million in 2004. Salmonid production from SAFE facilities also provides significant contributions to other regional fisheries, both commercial and recreational. Fisheries benefiting from the SAFE project include ocean sport and commercial troll fisheries, Columbia River mainstem commercial and recreational fisheries (especially the "Buoy 10" fishery), and recreational fisheries occurring within Select Areas. Based on species-specific CWT recovery data for 1996-2003 return years, an average of 33% of the combined salmonid production from the SAFE project was harvested in fisheries other than the Select Area commercial segment. During 1993-2005, SAFE landings have comprised an average of 39.8% of the total salmon landings in non-Indian Columbia River commercial fisheries. The average proportion of SAFE landings by species has been the highest for spring chinook (51.8%) followed by coho (43.5%) and fall chinook (18.3%).

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Relevant Web Page(s):
Annual Reports: http://www.cbfwa.org/cfsite/BPAProjectList.cfm

Project Proposals: http://www.cbfwa.org/projects/
http://www.cbfwa.org/solicitation/components/forms/Proposal.cfm?PropID=442#sect1

Stock Assessment Coded-Wire Tagging Projects

This includes 2 federally funded contracts that pay for coded-wire tagging production releases of salmon from ODFW hatcheries. One contract is funded by BPA and the other is funded by NOAA Fisheries. Both projects insure all ODFW hatchery coho and chinook production releases have a representative CWT group included in the release. Goals for both projects are to:

(1) Monitor adult production from hatchery releases;
(2) Evaluate rearing and release strategies that will help to improve the survival rate of hatchery-produced smolts; and
(3) Establish a comprehensive long-term database that will provide information needed to address issues of biology, allocation, and conservation.

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Project Description: http://oregonstate.edu/Dept/ODFW/other/tag/index.html
Annual Reports: http://oregonstate.edu/Dept/ODFW/progress-reports/index.html
BPA Project Proposals: http://www.cbfwa.org/projects/
CWT Data: http://www.rmis.org/

Umatilla Hatchery Monitoring and Evaluation

The Umatilla Hatchery Monitoring and Evaluation Project began after construction of Umatilla Hatchery was completed in 1991. The hatchery was constructed in an effort to restore anadromous salmonid populations in the Umatilla Subbasin, including reintroduction of spring and fall Chinook salmon and supplementation of summer steelhead. The Umatilla Hatchery M&E Project monitors hatchery production through activities such as pre-release sampling, coded-wire tagging of over 750,000 smolts annually, PIT tagging of over 5,000 smolts annually, and statistical creel estimates of Umatilla River fisheries. The Umatilla Hatchery M&E Project has contributed to adaptive management of the Umatilla Subbasin anadromous salmonid restoration program by assessing hatchery rearing practices and release strategies, including effects of acclimation, fish size, release timing and location on juvenile survival, adult production, contribution to fisheries, and straying. These evaluations have led to various changes in hatchery and program management to improve juvenile survival, fisheries, adult production, and returns to the Umatilla River. The Umatilla Hatchery M&E Project collaborates with co-managers to develop pre-season run predictions and annual operating plans. Umatilla Hatchery M&E staff work closely with other Umatilla Subbasin M&E projects, including the Umatilla Juvenile Outmigration and Survival Project (ODFW) and the Umatilla Natural Production M&E Project (CTUIR), to develop research, monitoring and evaluation plans to answer critical uncertainties and achieve subbasin management goals.

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Relevant Web Page(s): Annual Reports: http://www.efw.bpa.gov/searchpublications/index.aspx
Project Proposals: http://www.cbfwa.org/projects/
Project number 199000500

Umpqua Coho Genetic Pedigree Project

There is a considerable interest in using hatcheries to speed the recovery of wild populations. However the value of such programs is untested. Substantial literature exists that indicates hatchery programs may pose high risks to wild populations, rather than aid them. If the risks are real, hatcheries may *interfere* with recovery, rather than speed it. Until recently, analytical methods to explore the critical questions and risks associated with hatchery programs were unavailable because we were not able to track lineages in streams once hatchery and wild fish were allowed to spawn together. New molecular genetics methods now allow us to use DNA fingerprints to pedigree entire populations under some circumstances and develop lineages that continue for multiple generations under natural spawning conditions. The objective of this study is to conduct an experimental supplementation project for coho salmon in the Calapooya, tributary of the Umpqua River, using the following hatchery scenarios:

a. Rock Creek hatchery stock released as smolts (a "conventional hatchery program");
b. Rock Creek hatchery stock released as unfed fry (a low-intervention hatchery program);
c. First-generation wild-type hatchery stock released as smolts; and
d. First-generation wild-type hatchery stock released as unfed fry.

This project was initiated in 2001 in cooperation with the Oregon Watershed Enhancement Board, Oregon Wildlife Heritage Foundation, Oregon State University Coastal Oregon Marine Experiment Station, Restoration and Enhancement Program, and ODFW volunteers.

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Willamette Salmonid Inventory Project

The Willamette Salmonid Inventory Project was created in 2002 in response to the NMFS Biological Opinion on hatchery operations in the Willamette Valley. Project activities fall into four broad categories: 1) trapping of adults, 2) sampling of hatchery returns, 3) monitoring natural production, and 4) fishery assessments (creel surveys). Project objectives include:

Objective 1) Manage programs to minimize potential interbreeding of hatchery reared fish and listed salmon and steelhead in the Columbia River Basin. The result would be to reduce natural spawning of hatchery-origin spring chinook with existing spring chinook salmon populations.

Objective 2) Quantify the effects of hatchery broodstock collection on listed spring chinook and winter steelhead in the Upper Willamette River ESU.

Objective 3) Minimize potential negative impacts to listed salmon and steelhead in the Upper Willamette Basin from operation of the hatcheries.

Objective 4) Monitor and evaluate each respective hatchery program in the Upper Willamette River ESU.

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Willamette Spring Chinook Research

This Willamette Spring Chinook Project was developed with the aim of helping managers collect information that will lead to a management strategy for spring chinook salmon in the Willamette and Sandy basins that (1) protects the genetic integrity of natural populations, and (2) maintains sport and commercial fisheries and the programs that support them. A research proposal was created in 1996 with five objectives:

Objective 1) Determine the numerical status of existing natural populations and develop methods for monitoring that status. Determine if these populations belong to one or more gene conservation groups.

Objective 2) Decrease mortality of wild fish in fisheries by determining feasibility of catch and release sport fisheries and by exploring options for reducing mortality in commercial fisheries.

Objective 3) Reduce the risk that large hatchery programs pose for natural populations by developing ways of decreasing interactions between wild and hatchery chinook in streams and by determining need for more wild fish in hatchery broodstocks.

Objective 4) Protect existing natural production areas by defining temporal and spatial use patterns by life stages of spring chinook and identify the habitat/environmental attributes conducive to that use.

Objective 5) Increase natural production by improving habitat in existing production areas and by re-establishing populations where they were found historically.

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Relevant Web Page(s): http://oregonstate.edu/Dept/ODFW/freshwater/chinook/Introduction.htm

Table 1. Oregon Department of Fish and Wildlife Fish Hatcheries

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Table 2. Pounds of Fish Raised at ODFW Facilities in 2005

Hatchery	Species	Pounds Received	Pounds Liberated	Pounds Acclimated	Pounds Transferred	Pounds Shipped	Pounds Destroyed	Total Pounds Produced
ALSEA	Rainbow Trout	6,565	109,793	0	2,720	0	0	105,948
	Winter Steelhead	0	26,840	9,689	921	0	0	37,450
	Total	6,565	136,633	9,689	3,641	0	0	143,398
BANDON	Coho	1,060	1,148	0	0	0	0	88
	Fall Chinook	0	0	7,250	16	0	0	7,266
	Rainbow Trout	2,870	5,315	0	0	0	0	2,445
	Winter Steelhead	0	4,520	16,110	0	0	0	20,630
	Total	3,930	10,983	23,360	16	0	0	30,429
BIG CANYON	Summer Steelhead	35,580	37,629	0	0	0	0	2,049
BIG CREEK	Coho	0	43,692	0	0	0	0	43,692
	Fall Chinook	0	80,598	29,244	4,973	0	0	114,815
	Winter Steelhead	0	10,454	0	8,230	0	0	18,684
	Total	0	134,744	29,244	13,203	0	0	177,191
BLACKBERRY ACC	Spring Chinook	1,540	1,536	0	0	0	0	-4
	Summer Steelhead	9,405	9,490	0	0	0	0	85
	Total	10,945	11,026	0	0	0	0	81
BONNEVILLE	Coho	55,745	88,529	0	0	11	0	32,795
	Fall Chinook	0	137,877	0	0	35,771	0	173,648
	Spring Chinook	1,324	1,905	0	0	0	0	581
	Summer Steelhead	0	39	35,950	0	85	0	36,074
	Winter Steelhead	0	915	12,800	0	0	0	13,715
	Total	57,069	229,265	48,750	0	35,867	0	256,813
BUTTE FALLS	Coho	0	4,855	1,630	9,545	0	0	16,030
	Fall Chinook	16	3,450	2,690	0	0	0	6,124
	Rainbow Trout	7,182	18,223	0	8,523	0	0	19,564
	Winter Steelhead	1,330	0	0	0	0	0	-1,330
	Total	8,528	26,528	4,320	18,068	0	0	40,388
CANYONVILLE	Winter Steelhead	10,280	3,074	0	0	0	0	-7,206
CASCADE	Coho	0	65,111	0	34,225	21,097	4,611	125,044
CATHERINE CR	Spring Chinook	7,570	7,559	0	0	0	0	-11
CEDAR CREEK	Fall Chinook	0	0	0	299	0	0	299
	Rainbow Trout	7,105	93	0	7,165	0	0	153
	Spring Chinook	0	9,503	0	0	0	0	9,503
	Summer Steelhead	0	20,800	1,868	0	0	0	22,668
	Winter Steelhead	0	19,184	0	1,407	0	82	20,673
	Total	7,105	49,580	1,868	8,871	0	82	53,296

Table 2. Pounds of Fish Raised at ODFW Facilities in 2005

Hatchery	Species	Pounds Received	Pounds Liberated	Pounds Acclimated	Pounds Transferred	Pounds Shipped	Pounds Destroyed	Total Pounds Produced
CLACKAMAS	Spring Chinook	48,960	76,622	25,373	0	0	0	53,035
	Summer Steelhead	29,380	28,362	0	0	0	0	-1,018
	Winter Steelhead	22,819	25,460	0	258	0	0	2,899
	Total	101,159	130,444	25,373	258	0	0	54,916
COLE RIVERS	Coho	0	19,307	5,936	0	0	0	25,243
	Fall Chinook	0	0	5,350	0	0	0	5,350
	Rainbow Trout	28,775	108,091	0	67,511	0	0	146,827
	Spring Chinook	0	181,618	0	0	0	0	181,618
	Summer Steelhead	0	43,118	0	0	0	0	43,118
	Winter Steelhead	0	82,287	25,126	0	0	0	107,413
	Total	28,775	434,421	36,412	67,511	0	0	509,569
DEXTER POND	Spring Chinook	24,651	161,968	0	0	0	0	137,317
	Summer Steelhead	6,768	25,815	0	0	0	0	19,047
	Total	31,419	187,783	0	0	0	0	156,364
ELK RIVER	Fall Chinook	0	41,886	0	0	0	0	41,886
	Rainbow Trout	1,445	4,107	0	0	154	0	2,816
	Winter Steelhead	0	8,713	0	0	0	601	9,314
	Total	1,445	54,706	0	0	154	601	54,016
FALL RIVER	Brook Trout	799	317	0	589	0	0	107
	Cutthroat Trout	795	2,352	0	0	0	0	1,557
	Rainbow Trout	6,791	24,087	0	15,275	0	0	32,571
	Total	8,385	26,756	0	15,864	0	0	34,235
GARDINER STEP	Fall Chinook	0	9,390	0	0	0	0	9,390
GNAT CREEK	Spring Chinook	0	0	2,140	30,890	0	0	33,030
	Winter Steelhead	3,311	5,643	0	0	0	0	2,332
	Total	3,311	5,643	2,140	30,890	0	0	35,362
UPPER HERMAN CR	Coho	12,884	0	52,460	25,010	0	0	64,586
IMNAHA POND	Spring Chinook	12,073	12,075	0	0	0	0	2
IRRIGON	Rainbow Trout	22,330	32,767	0	0	0	0	10,437
	Spring Chinook	0	0	0	394	0	0	394
	Summer Steelhead	0	29,747	179,950	0	0	0	209,697
	Winter Steelhead	0	0	43,616	763	0	0	44,379
	Total	22,330	62,514	223,566	1,157	0	0	264,907
KLAMATH	Brook Trout	266	274	0	0	0	0	8
	Brown Trout	0	8,641	0	0	0	0	8,641
	Rainbow Trout	0	43,188	0	7,976	0	0	51,164
	Total	266	52,103	0	7,976	0	0	59,813

Table 2. Pounds of Fish Raised at ODFW Facilities in 2005

Hatchery	Species	Pounds Received	Pounds Liberated	Pounds Acclimated	Pounds Transferred	Pounds Shipped	Pounds Destroyed	Total Pounds Produced
KLASKANINE	Fall Chinook	34,217	35,592	0	0	0	0	1,375
	Winter Steelhead	4,919	8,658	0	0	0	0	3,739
	Total	39,136	44,250	0	0	0	0	5,114
LOWER HERMAN CR	Coho	11,442	28,315	0	0	0	0	16,873
LEABURG	Rainbow Trout	67,511	163,807	0	0	0	0	96,296
	Spring Chinook	12,585	0	0	0	0	653	-11,932
	Summer Steelhead	2,250	22,071	0	0	0	3,177	22,998
	Total	82,346	185,878	0	0	0	3,830	107,362
LITTLE SHEEP CR	Summer Steelhead	33,230	36,348	0	0	0	0	3,118
LOOKINGGLASS	Spring Chinook	2,202	10,882	31,696	0	0	1,144	41,520
MARION FORKS	Brook Trout	7	6	0	0	0	0	-1
	Cutthroat Trout	3	4	0	0	0	0	1
	Rainbow Trout	2,452	5,137	0	0	0	1	2,686
	Spring Chinook	4,164	4,526	55,125	47,055	0	0	102,542
	Total	6,626	9,673	55,125	47,055	0	1	105,228
MCKENZIE	Spring Chinook	0	126,027	0	0	2	0	126,029
MINTO POND	Spring Chinook	55,125	56,044	0	0	0	0	919
	Summer Steelhead	29,615	30,642	0	0	0	0	1,027
	Total	84,740	86,686	0	0	0	0	1,946
NEHALEM	Coho	0	7,672	6,965	0	0	0	14,637
	Fall Chinook	570	1,520	0	0	0	0	950
	Rainbow Trout	8,120	33,811	0	11,084	0	0	36,775
	Winter Steelhead	0	24,831	0	0	0	492	25,323
	Total	8,690	67,834	6,965	11,084	0	492	77,685
OAK SPRINGS	Cutthroat Trout	0	0	0	287	0	0	287
	Rainbow Trout	393	101,653	0	9,504	0	115	110,879
	Summer Steelhead	0	5,983	15,300	9,250	0	1,996	32,529
	Winter Steelhead	258	221	18,404	0	0	0	18,367
	Total	651	107,857	33,704	19,041	0	2,111	162,062
OHRC	Rainbow Trout	1,660	2,670	0	0	0	0	1,010
	Winter Steelhead	921	0	0	0	0	0	-921
	Total	2,581	2,670	0	0	0	0	89
OXBOW	Coho	0	0	0	13,158	0	0	13,158
	Sockeye	0	0	0	0	2,986	0	2,986
	Spring Chinook	0	0	0	2,382	0	312	2,694
	Total	0	0	0	15,540	2,986	312	18,838

Table 2. Pounds of Fish Raised at ODFW Facilities in 2005

Hatchery	Species	Pounds Received	Pounds Liberated	Pounds Acclimated	Pounds Transferred	Pounds Shipped	Pounds Destroyed	Total Pounds Produced
OXBOW	Coho	0	0	0	13,158	0	0	13,158
	Sockeye	0	0	0	0	2,986	0	2,986
	Spring Chinook	0	0	0	2,382	0	312	2,694
	Total	0	0	0	15,540	2,986	312	18,838
RHOADES POND	Fall Chinook	299	10,175	0	0	0	0	9,876
ROARING RIVER	Rainbow Trout	0	112,105	0	7,717	0	0	119,822
	Summer Steelhead	2,540	10,415	14,450	0	0	1,400	23,725
	Winter Steelhead	526	12,965	0	0	0	0	12,439
	Total	3,066	135,485	14,450	7,717	0	1,400	155,986
ROCK CREEK	Coho	8,485	9,418	0	0	0	0	933
	Fall Chinook	0	0	7,525	0	0	0	7,525
	Rainbow Trout	7,996	32,529	0	1,490	0	0	26,023
	Spring Chinook	0	47,069	0	0	0	0	47,069
	Summer Steelhead	0	13,933	0	0	0	0	13,933
	Winter Steelhead	0	0	19,554	1,330	0	0	20,884
	Total	16,481	102,949	27,079	2,820	0	0	116,367
ROUND BUTTE	Rainbow Trout	0	11,970	0	0	0	0	11,970
	Spring Chinook	0	36,482	4,665	2,175	0	7,630	50,952
	Summer Steelhead	0	43,440	0	0	0	2,098	45,538
	Total	0	91,892	4,665	2,175	0	9,728	108,460
SALMON RIVER	Coho	0	21,522	0	0	0	1,055	22,577
	Fall Chinook	0	11,291	1,916	0	0	528	13,735
	Rainbow Trout	1,469	0	0	0	0	0	-1,469
	Summer Steelhead	0	12,420	0	0	0	0	12,420
	Total	1,469	45,233	1,916	0	0	1,583	47,263
SANDY	Brook Trout	108	69	0	0	0	0	-39
	Coho	0	52,364	20,550	0	0	0	72,914
	Cutthroat Trout	0	43	0	0	0	0	43
	Spring Chinook	20,653	21,437	0	0	0	0	784
	Summer Steelhead	12,465	13,448	0	0	0	0	983
	Winter Steelhead	34,360	37,860	0	0	0	0	3,500
	Total	67,586	125,221	20,550	0	0	0	78,185
SOUTH SANTIAM	Rainbow Trout	1,210	1,795	0	0	0	0	585
	Spring Chinook	36,069	64,315	0	0	0	0	28,246
	Summer Steelhead	1,920	36,887	8,750	0	0	860	44,577
	Total	39,199	102,997	8,750	0	0	860	73,408

Table 2. Pounds of Fish Raised at ODFW Facilities in 2005

Hatchery	Species	Pounds Received	Pounds Liberated	Pounds Acclimated	Pounds Transferred	Pounds Shipped	Pounds Destroyed	Total Pounds Produced
TRASK	Coho	6,965	8,029	0	0	0	0	1,064
	Fall Chinook	0	6,222	0	570	0	0	6,792
	Rainbow Trout	3,494	2,602	0	1,055	0	0	163
	Spring Chinook	0	3,667	0	4,466	0	283	8,416
	Winter Steelhead	0	8,255	2,503	0	0	0	10,758
	Total	10,459	28,775	2,503	6,091	0	283	27,193
TRASK POND	Spring Chinook	5,475	13,110	2,925	0	0	0	10,560
TUFFY CREEK	Spring Chinook	751	4,922	0	0	0	0	4,171
	Winter Steelhead	1,407	3,110	2,490	0	0	0	4,193
	Total	2,158	8,032	2,490	0	0	0	8,364
UMATILLA	Fall Chinook	0	8,344	0	0	12,519	0	20,863
	Spring Chinook	0	0	35,158	0	0	0	35,158
	Summer Steelhead	0	0	35,470	0	0	0	35,470
	Total	0	8,344	70,628	0	12,519	0	91,491
WALLOWA	Spring Chinook	7	0	0	105	0	0	98
	Summer Steelhead	111,140	126,595	0	0	0	0	15,455
	Total	111,147	126,595	0	105	0	0	15,553
WILLAMETTE	Rainbow Trout	2,786	87,790	0	20,185	0	0	105,189
	Spring Chinook	0	61,253	33,636	64,409	0	622	159,920
	Summer Steelhead	2,540	997	6,415	6,768	0	0	11,640
	Winter Steelhead	0	0	0	526	0	0	526
	Total	5,326	150,040	40,051	91,888	0	622	277,275
WIZARD FALLS	Atlantic Salmon	0	300	0	0	0	0	300
	Brook Trout	208	2,592	0	924	0	0	3,308
	Cutthroat Trout	90	53	0	600	0	0	563
	Kokanee	0	2,359	0	0	0	0	2,359
	Rainbow Trout	3,121	33,326	0	13,640	0	5,118	48,963
	Total	3,419	38,630	0	15,164	0	5,118	55,493
STATEWIDE	Atlantic Salmon	0	300	0	0	0	0	300
TOTALS	Brook Trout	1,388	3,258	0	1,513	0	0	3,383
	Brown Trout	0	8,641	0	0	0	0	8,641
	Coho	96,581	349,962	87,541	81,938	21,108	5,666	449,634
	Cutthroat Trout	68,399	166,259	0	887	0	0	98,747
	Fall Chinook	35,102	346,345	53,975	5,858	48,290	528	419,894
	Kokanee	0	2,359	0	0	0	0	2,359
	Rainbow Trout	183,275	934,859	0	173,845	154	5,234	930,817
	Sockeye Salmon	0	0	0	0	2,986	0	2,986
	Spring Chinook	233,149	902,520	190,718	151,876	2	10,644	1,022,611
	Summer Steelhead	276,833	548,179	298,153	16,018	85	9,531	595,133
	Winter Steelhead	80,131	282,990	150,292	13,435	0	1,175	367,761
	Total	974,858	3,545,672	780,679	445,370	72,625	32,778	3,902,266

Table 3. Numbers and Pounds of Fish Released in Calendar Year 2005

NORTHWEST	*REGION*		FRY		FINGERLING		SMOLT		TOTAL STOCKED		RELEASE GOALS		% OF GOALS MET	
HATCHERY	SPECIES	STOCK	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
Alsea	Rainbow Trout	072	0	0	0	0	251,610	109,765	251,610	109,765	214,900	96,017	117.1	114.3
	Winter Steelhead	043	0	0	0	0	65,576	12,037	65,576	12,037	80,000	13,333	82.0	90.3
	Winter Steelhead	043W	0	0	0	0	89,037	14,803	89,037	14,803	60,000	10,000	148.4	148.0
Astoria H.School[1]	Coho	013	0	0	3,293	73	0	0	3,293	73	5,000	125	65.9	58.4
	Fall Chinook	013	0	0	10,426	232	0	0	10,426	232	20,000	667	52.1	34.8
Big Creek	Coho	013	0	0	43,795	890	506,172	42,802	549,967	43,692	535,000	44,583	102.8	98.0
	Fall Chinook	013	0	0	5,865,175	80,598	0	0	5,865,175	80,598	5,700,000	71,250	102.9	113.1
	Winter Steelhead	013	0	0	40,905	1,515	60,787	8,939	101,692	10,454	100,000	11,428	101.7	91.5
Bonneville	Coho	014	0	0	0	0	1,189,382	88,529	1,189,382	88,529	1,175,000	90,385	101.2	97.9
	Fall Chinook	091	0	0	0	0	437,465	38,541	437,465	38,541	480,000	48,000	91.1	80.3
	Fall Chinook	095	0	0	4,427,661	99,272	0	0	4,427,661	99,272	4,494,000	111,725	98.5	88.9
	Summer Steelhead	024	6,557	39	0	0	0	0	6,557	39	0	0	n/a	n/a
	Winter Steelhead	011F	0	0	23,790	915	0	0	23,790	915	0	0	n/a	n/a
Cascade	Coho	014	0	0	0	0	1,047,764	65,018	1,047,764	65,018	1,000,000	63,889	104.8	101.8
Cedar Creek	Rainbow Trout	072	0	0	0	0	36	93	36	93	0	0	n/a	n/a
	Spring Chinook	047	14,202	113	0	0	112,560	9,390	126,762	9,503	110,000	9,167	115.2	103.7
	Summer Steelhead	047	0	0	62,100	1,035	106,933	19,765	169,033	20,800	70,000	11,667	241.5	178.3
	Winter Steelhead	047	0	0	82,008	1,139	60,974	10,925	142,982	12,064	50,000	8,333	286.0	144.8
	Winter Steelhead	047F	0	0	0	0	57,673	7,120	57,673	7,120	50,000	7,143	115.3	99.7
Clackamas	Spring Chinook	011	0	0	0	0	116,316	13,720	116,316	13,720	100,000	11,111	116.3	123.5
	Spring Chinook	019	0	0	205,435	8,855	554,552	54,045	759,987	62,900	870,000	72,000	87.4	87.4
	Summer Steelhead	024	0	0	0	0	170,174	28,362	170,174	28,362	175,000	35,000	97.2	81.0
	Winter Steelhead	122	0	0	0	0	126,235	25,460	126,235	25,460	115,000	19,167	109.8	132.8
Dexter pond	Spring Chinook	022	0	0	0	0	1,496,555	161,968	1,496,555	161,968	1,495,240	159,436	100.1	101.6
	Summer Steelhead	024	0	0	0	0	120,519	25,815	120,519	25,815	115,000	25,556	104.8	101.0
Gnat Creek	Winter Steelhead	013	0	0	0	0	35,607	5,643	35,607	5,643	40,000	5,714	89.0	98.8
Klaskanine	Fall Chinook	052	0	0	380,121	14,809	354,945	20,783	735,066	35,592	700,000	46,667	105.0	76.3
	Winter Steelhead	013	0	0	0	0	60,871	8,658	60,871	8,658	60,000	8,571	101.5	101.0
L. Herman Pond	Coho	014	0	0	0	0	512,152	28,286	512,152	28,286	503,000	29,588	101.8	95.6
Leaburg	Rainbow Trout	072	0	0	0	0	429,878	163,801	429,878	163,801	682,386	238,262	63.0	68.7
	Summer Steelhead	024	0	0	0	0	108,512	22,071	108,512	22,071	108,000	24,000	100.5	92.0

[1]Rearing site operated by Salmon and Trout Enhancement Program - ODFW

Table 3. Numbers and Pounds of Fish Released in Calendar Year 2005

NORTHWEST	*REGION (cont.)*		FRY		FINGERLING		SMOLT		TOTAL STOCKED		RELEASE GOALS		% OF GOALS MET	
HATCHERY	SPECIES	STOCK	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
Marion Forks	Brook Trout	364	0	0	1,981	8	0	0	1,981	8	2,000	10	99.1	80.0
	Cutthroat	119	0	0	3,481	1	0	0	3,481	1	6,000	200	58.0	0.5
	Rainbow Trout	053	0	0	303,800	4,900	0	0	303,800	4,900	300,000	8,571	101.3	57.2
	Rainbow Trout	072[a]	0	0	10,691	43	0	0	10,691	43				
	Rainbow Trout	072T[a]	0	0	12,282	195	0	0	12,282	195	12,000	48	102.4	406.3
	Spring Chinook	021	0	0	153,972	4,443	1,050	83	155,022	4,526	101,500	1,015	152.7	445.9
McKenzie	Spring Chinook	023	0	0	20,978	978	1,208,369	125,049	1,229,347	126,027	1,198,750	126,944	102.6	99.3
Minto Pond	Spring Chinook	021	0	0	0	0	666,875	56,044	666,875	56,044	667,000	60,636	100.0	92.4
	Summer Steelhead	024	0	0	0	0	166,693	30,642	166,693	30,642	161,500	35,889	103.2	85.4
Nehalem	Coho	032	0	0	10,046	190	102,722	7,482	112,768	7,672	100,000	6,667	112.8	115.1
	Fall Chinook	034	0	0	0	0	26,045	1,520	26,045	1,520	25,000	1,389	104.2	109.4
	Rainbow Trout	072	0	0	0	0	83,877	33,797	83,877	33,797	83,450	37,155	100.5	91.0
	Winter Steelhead	032	26,629	109	13,794	552	91,880	16,032	132,303	16,693	90,000	15,000	147.0	111.3
	Winter Steelhead	099	8,800	69	5,941	248	42,080	7,822	56,821	8,139	40,000	6,667	142.1	122.1
Palmer Creek Acc.	Winter Steelhead	033W	0	0	0	0	55,629	9,691	55,629	9,691	50,000	8,333	111.3	116.3
Rhoades Pond[1]	Fall Chinook	047	0	0	0	0	104,754	10,171	104,754	10,171	105,000	350	99.8	2906.0
Roaring River	Rainbow Trout	072[a]	0	0	9,592	63	256,490	110,870	266,082	110,933				
	Rainbow Trout	072T[a]	0	0	0	0	2,416	1,112	2,416	1,112	230,000	78,367	116.7	143.0
	Summer Steelhead	024	0	0	0	0	45,816	10,413	45,816	10,413	42,000	9,333	109.1	111.6
	Winter Steelhead	038	0	0	0	0	68,707	12,963	68,707	12,963	85,000	14,167	80.8	91.5
Salmon River	Coho	033	0	0	0	0	215,217	21,522	215,217	21,522	200,000	18,182	107.6	118.4
	Fall Chinook	036	0	0	0	0	157,738	11,291	157,738	11,291	200,000	14,286	78.9	79.0
	Summer Steelhead	033	0	0	0	0	72,029	12,270	72,029	12,270	80,000	13,333	90.0	92.0
Sandy	Brook Trout	364	0	0	19,182	71	0	0	19,182	71	29,600	148	64.8	48.0
	Coho	011	0	0	103,965	1,055	760,299	51,309	864,264	52,364	700,000	46,667	123.5	112.2
	Cutthroat	119	0	0	12,926	48	0	0	12,926	48	35,000	175	36.9	27.4
	Rainbow Trout	072T	0	0	5,168	18	0	0	5,168	18	6,900	35	74.9	51.4
	Spring Chinook	011	0	0	0	0	203,652	21,437	203,652	21,437	200,000	22,222	101.8	96.5
	Summer Steelhead	024	0	0	0	0	78,537	13,448	78,537	13,448	75,000	13,833	104.7	97.2
	Winter Steelhead	011F[b]	0	0	0	0	103,276	24,130	103,276	24,130				
	Winter Steelhead	011W[b]	0	0	0	0	70,023	13,730	70,023	13,730	160,000	27,576	108.3	137.3

[1]Rearing site operated by Salmon and Trout Enhancement Program - ODFW

[a]Release goals for 072 and 072T Rainbow Trout were combined.

[b]Release goals for 11F and 11W Winter Steelhead were combined.

Table 3. Numbers and Pounds of Fish Released in Calendar Year 2005

NORTHWEST	*REGION (cont.)*		FRY		FINGERLING		SMOLT		TOTAL STOCKED		RELEASE GOALS		% OF GOALS MET	
HATCHERY	SPECIES	STOCK	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
Siletz	Coho	033	0	0	3,588	69	0	0	3,588	69			n/a	n/a
South Santiam	Rainbow Trout	072	0	0	0	0	3,231	1,795	3,231	1,795	3,000	1,500	107.7	119.7
	Spring Chinook	024	0	0	0	0	633,216	64,316	633,216	64,316	753,000	87,833	84.1	73.2
	Summer Steelhead	024	0	0	0	0	145,333	36,887	145,333	36,887	144,000	32,000	100.9	115.3
STEP[2]	Coho	033	0	0	15,000	60	0	0	15,000	60	20,000	80	75.0	75.0
	Spring Chinook	034	0	0	0	0	106,555	9,681	106,555	9,681	125,000	8,845	85.2	109.5
	Summer Steelhead	047	0	0	0	0	9,995	1,851	9,995	1,851	10,000	1,667	100.0	111.0
	Winter Steelhead	038	0	0	0	0	20,000	3,333	20,000	3,333	15,000	2,500	133.3	133.3
	Winter Steelhead	047	0	0	0	0	15,580	2,473	15,580	2,473	12,000	1,668	129.8	148.3
	Winter Steelhead	121W	0	0	0	0	14,960	2,493	14,960	2,493	15,000	2,500	99.7	99.7
Trask	Coho	034	0	0	0	0	102,669	8,029	102,669	8,029	100,000	6,905	102.7	116.3
	Fall Chinook	034	102,999	286	122,816	5,937	0	0	225,815	6,223	384,400	6,249	58.7	99.6
	Rainbow Trout	072	0	0	0	0	6,966	2,599	6,966	2,599	0	0	n/a	n/a
	Spring Chinook	034	0	0	0	0	40,927	3,667	40,927	3,667	40,000	3,333	102.3	110.0
	Winter Steelhead	121W	62,277	395	0	0	53,030	7,859	115,307	8,254	50,000	8,333	230.6	99.1
Trask Pond	Spring Chinook	034	0	0	0	0	131,395	13,101	131,395	13,101	155,000	12,917	84.8	101.4
Tuffy Creek[3]	Spring Chinook	034	0	0	0	0	59,302	4,915	59,302	4,915	60,000	5,000	98.8	98.3
	Winter Steelhead	047	0	0	0	0	18,893	3,110	18,893	3,110	70,000	13,333	27.0	23.3
Willamette	Rainbow Trout	072[a]	0	0	0	0	1,485	479	1,485	479				
	Rainbow Trout	072T[a]	0	0	199,283	1,165	251,902	85,979	451,185	87,144	485,000	93,717	93.3	93.5
	Spring Chinook	019	0	0	0	0	154,754	14,955	154,754	14,955	160,000	17,778	96.7	84.1
	Spring Chinook	022	0	0	45,885	1,480	91,738	9,402	137,623	10,882	90,000	10,000	152.9	108.8
	Spring Chinook	024	0	0	100,300	1,003	336,707	34,008	437,007	35,011	468,000	82,796	93.4	42.3
	Summer Steelhead	024	0	0	33,996	997	0	0	33,996	997	115,000	25,556	29.6	3.9
Yaquina Acc.	Fall Chinook	146	0	0	0	0	27,399	1,916	27,399	1,916	150,000	10,714	18.3	17.9
REGION	TOTALS		221,464	1,011	12,353,376	232,857	14,882,496	1,902,015	27,457,336	2,135,883	27,517,626	2,275,206	99.8	93.9

[2]Salmon and Trout Enhancement Program – ODFW

[3]Rearing site operated in cooperation with Oregon Department of Corrections South Fork Wilson River Forest Camp

[a]Release goals for 072 and 072T Rainbow Trout were combined.

Table 3. Numbers and Pounds of Fish Released in Calendar Year 2005

SOUTHWEST	*REGION*		FRY		FINGERLING		SMOLT		TOTAL STOCKED		RELEASE GOALS		% OF GOALS MET	
HATCHERY	SPECIES	STOCK	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
Bandon	Coho	044	0	0	0	0	12,720	1,148	12,720	1,148	12,500	1,042	101.8	110.2
	Rainbow Trout	072	0	0	0	0	2,023	5,314	2,023	5,314	2,250	7,200	89.9	73.8
	Winter Steelhead	044	0	0	0	0	26,668	4,520	26,668	4,520	20,000	3,636	133.3	124.3
Butte Falls	Coho	044	0	0	0	0	32,340	2,695	32,340	2,695	37,500	3,125	86.2	86.2
	Coho	055	0	0	0	0	9,962	1,070	9,962	1,070	10,000	1,000	99.6	107.0
	Coho	509	0	0	0	0	10,148	1,090	10,148	1,090	10,000	1,000	101.5	109.0
	Fall Chinook	044	0	0	0	0	44,188	3,438	44,188	3,438	70,000	5,385	63.1	63.8
	Rainbow Trout	053	0	0	516,583	6,253	0	0	516,583	6,253	402,500	5,367	128.3	116.5
	Rainbow Trout	072[a]	0	0	0	0	32,350	11,819	32,350	11,819				
	Rainbow Trout	072T[a]	0	0	8,879	148	0	0	8,879	148	17,250	5,834	239.0	205.1
Canyonville	Winter Steelhead	018	0	0	0	0	15,247	3,074	15,247	3,074	60,000	12,000	25.4	25.6
Cole Rivers	Coho	052	0	0	0	0	208,972	19,307	208,972	19,307	200,000	20,000	104.5	96.5
	Rainbow Trout	072	0	0	0	0	269,342	108,072	269,342	108,072	265,689	92,877	101.4	116.4
	Spring Chinook	052	0	0	59,426	1,809	1,620,999	179,811	1,680,425	181,620	1,822,000	166,188	92.2	109.3
	Summer Steelhead	052	0	0	0	0	216,937	43,117	216,937	43,117	244,500	49,297	88.7	87.5
	Winter Steelhead	052	0	0	0	0	167,171	40,899	167,171	40,899	172,000	38,000	97.2	107.6
	Winter Steelhead	062	0	0	27,512	1,679	172,756	39,640	200,268	41,319	166,000	37,500	120.6	110.2
Elk River	Fall Chinook	035	0	0	0	0	322,214	31,331	322,214	31,331	525,000	28,472	61.4	110.0
	Fall Chinook	096	0	0	0	0	156,311	10,554	156,311	10,554	150,000	12,500	104.2	84.4
	Rainbow Trout	072	0	0	0	0	1,300	4,103	1,300	4,103	1,800	3,676	72.2	111.6
	Winter Steelhead	096	0	0	0	0	52,069	8,713	52,069	8,713	70,000	8,833	74.4	98.6
Gardiner STEP[1]	Fall Chinook	018	0	0	0	0	71,363	9,390	71,363	9,390	100,000	3,333	71.4	281.7
Rock Creek	Coho	018	37,968	34	0	0	46,222	3,934	84,190	3,968	45,000	4,500	187.1	88.2
	Coho	055	18,900	17	0	0	63,849	5,434	82,749	5,451	62,500	6,250	132.4	87.2
	Rainbow Trout	072	0	0	0	0	82,051	32,503	82,051	32,503	59,870	22,893	137.0	142.0
	Spring Chinook	055	0	0	0	0	348,715	47,069	348,715	47,069	342,000	53,875	102.0	87.4
	Summer Steelhead	055	0	0	0	0	83,778	13,933	83,778	13,933	110,000	22,000	76.2	63.3
STEP[2]	Coho	037	0	0	0	0	80,086	5,932	80,086	5,932	120,000	10,000	66.7	59.3
	Fall Chinook	061	0	0	26,334	1,254	51,171	2,924	77,505	4,178	150,000	6,333	51.7	66.0
	Winter Steelhead	018	0	0	0	0	13,296	2,668	13,296	2,668	60,000	12,000	22.2	22.2
	Winter Steelhead	088	0	0	0	0	25,815	4,412	25,815	4,412	21,000	3,500	122.9	126.1
REGION	TOTALS		56,868	51	638,734	11,143	4,240,063	647,914	4,935,665	659,108	5,329,359	647,616	92.6	101.8

[1]Rearing site operated by Salmon and Trout Enhancement Program - ODFW

[2]Salmon and Trout Enhancement Program - ODFW

[a]Release goals for 072 and 072T Rainbow Trout were combined.

Table 3. Numbers and Pounds of Fish Released in Calendar Year 2005

NORTHEAST	REGION		FRY		FINGERLING		SMOLT		TOTAL STOCKED		RELEASE GOALS		% OF GOALS MET	
HATCHERY	SPECIES	STOCK	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
Big Canyon	Summer Steelhead	056	0	0	0	0	170,129	37,629	170,129	37,629	310,000	62,000	54.9	60.7
Catherine Cr. Acc.[4]	Spring Chinook	201F	0	0	68,827	2,832	0	0	68,827	2,832	110,000	5,500	62.6	51.5
	Spring Chinook	201W	0	0	120,753	4,727	0	0	120,753	4,727	140,000	7,000	86.3	67.5
Gr. Ronde Acc.[4]	Spring Chinook	080M	0	0	50,813	2,553	0	0	50,813	2,553	110,000	5,500	46.2	46.4
	Spring Chinook	080W	0	0	54,556	2,469	0	0	54,556	2,469	140,000	7,000	39.0	35.3
Imeques[4]	Spring Chinook	091	0	0	0	0	584,775	44,137	584,775	44,137	810,000	72,500	72.2	60.9
Imnaha Pond	Spring Chinook	029	0	0	289,444	12,075	0	0	289,444	12,075	290,000	14,500	99.8	83.3
Irrigon	Rainbow Trout	072	0	0	0	0	88,844	32,751	88,844	32,751	96,050	32,017	92.5	102.3
	Summer Steelhead	029	0	0	0	0	136,553	29,606	136,553	29,606	150,000	30,000	91.0	98.7
	Summer Steelhead	056	0	0	7,535	137	0	0	7,535	137	0	0	n/a	n/a
Little Sheep	Summer Steelhead	029	0	0	0	0	160,518	36,348	160,518	36,348	180,000	36,000	89.2	101.0
Lookingglass	Spring Chinook	029	0	0	145,742	5,673	0	0	145,742	5,673	70,000	3,500	208.2	162.1
	Spring Chinook	081	0	0	29,614	769	0	0	29,614	769	0	0	n/a	n/a
	Spring Chinook	201F	0	0	98,023	4,441	0	0	98,023	4,441	0	0	n/a	n/a
Lostine Acc.[5]	Spring Chinook	200F	0	0	62,149	2,868	0	0	62,149	2,868	110,000	5,500	56.5	52.1
	Spring Chinook	200W	0	0	102,557	4,157	0	0	102,557	4,157	140,000	7,000	73.3	59.4
Pendleton Acc.	Summer Steelhead	091	0	0	0	0	54,252	12,676	54,252	12,676	50,000	9,091	108.5	139.4
Thornhollow[4]	Summer Steelhead	091	0	0	0	0	101,446	23,436	101,446	23,436	100,000	18,182	101.4	128.9
Umatilla	Fall Chinook	091	0	0	603,323	8,340	0	0	603,323	8,340	780,000	54,667	77.3	15.3
Wallowa Acc.	Summer Steelhead	056	0	0	0	0	542,761	126,595	542,761	126,595	760,000	112,000	71.4	113.0
REGION	TOTALS		0	0	1,633,336	51,041	1,839,278	343,178	3,472,614	394,219	4,346,050	481,957	79.9	81.8

[4]Operated by the Confederated Tribes of the Umatilla Indian Reservation

[5]Operated by the Nez Perce Tribe

Table 3. Numbers and Pounds of Fish Released in Calendar Year 2005

HIGH DESERT	*REGION*		FRY		FINGERLING		SMOLT		TOTAL STOCKED		RELEASE GOALS		% OF GOALS MET	
HATCHERY	SPECIES	STOCK	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
Blackberry Acc.[6]	Spring Chinook	066	0	0	0	0	18,755	1,537	18,755	1,537	20,000	1,667	93.8	92.2
	Summer Steelhead	050W	0	0	0	0	49,956	9,490	49,956	9,490	40,000	8,000	124.9	118.6
EFID[6]	Winter Steelhead	050W	0	0	0	0	38,378	5,050	38,378	5,050	25,000	5,000	153.5	101.0
Fall River	Brook Trout	364	0	0	86,157	334	0	0	86,157	334	76,325	382	112.9	87.4
	Cutthroat	119[c]	0	0	65,302	228	0	0	65,302	228				
	Cutthroat	119B[c]	0	0	0	0	1,424	2,125	1,424	2,125	68,400	342	97.6	688.0
	Rainbow Trout	066	0	0	0	0	400	680	400	680	23,400	8,467	1.7	8.0
	Rainbow Trout	072[a]	0	0	0	0	41,486	13,298	41,486	13,298				
	Rainbow Trout	072T[a]	0	0	112,429	493	0	0	112,429	493	105,000	21,686	146.6	63.6
	Rainbow Trout	127	0	0	138,880	2,072	27,295	7,556	166,175	9,628	210,000	8,400	79.1	114.6
John Day	Spring Chinook	022	0	0	0	0	26,955	2,246	26,955	2,246	0	0	n/a	n/a
Jones Creek[6]	Spring Chinook	066	0	0	0	0	40,047	3,115	40,047	3,115	40,000	3,334	100.1	93.4
Klamath	Brook Trout	364	0	0	57,181	287	0	0	57,181	287	57,850	289	98.8	99.3
	Brown Trout	068	0	0	18,750	250	53,593	8,390	72,343	8,640	63,000	9,167	114.8	94.3
	Rainbow Trout	053[d]	0	0	259,678	4,781	0	0	259,678	4,781				
	Rainbow Trout	053T[d]	0	0	249,880	3,124	0	0	249,880	3,124	442,650	7,346	115.1	107.6
	Rainbow Trout	072[a]	0	0	0	0	84,556	35,085	84,556	35,085				
	Rainbow Trout	072T[a]	0	0	20,220	196	0	0	20,220	196	53,200	29,700	196.9	118.8
Oak Springs	Rainbow Trout	053[d]	0	0	551,561	10,086	126,756	21,615	678,317	31,701				
	Rainbow Trout	053T[d]	0	0	6,706	178	0	0	6,706	178	678,750	36,888	100.9	86.4
	Rainbow Trout	053B	0	0	0	0	3,974	13,205	3,974	13,205	3,140	15,700	126.6	84.1
	Rainbow Trout	066B	0	0	0	0	79	878	79	878	0	0	n/a	n/a
	Rainbow Trout	072	0	0	0	0	133,598	47,917	133,598	47,917	138,400	46,133	96.5	103.9
	Rainbow Trout	127	0	0	0	0	14,978	5,399	14,978	5,399	0	0	n/a	n/a
	Rainbow Trout	153	0	0	0	0	12,295	2,293	12,295	2,293	65,300	5,845	18.8	39.2
	Summer Steelhead	024	0	0	26,878	498	32,069	5,485	58,947	5,983	30,000	5,000	196.5	119.7
	Winter Steelhead	050W	0	0	0	0	1,961	220	1,961	220	0	0	n/a	n/a
Parkdale6	Spring Chinook	066	0	0	0	0	29,686	2,167	29,686	2,167	30,000	2,500	99.0	86.7
	Winter Steelhead	050W	0	0	0	0	38,054	5,059	38,054	5,059	25,000	5,000	152.2	101.2

[6]Operated by the Confederated Tribes of the Warm Springs Indian Reservation

[a]Release goals for 072 and 072T Rainbow Trout were combined.

[c]Release goals for 119 and 119B Cutthroat were combined

[d]Release goals for 053 and 053T Rainbow Trout were combined

Table 3. Numbers and Pounds of Fish Released in Calendar Year 2005

HIGH DESERT	*REGION*		FRY		FINGERLING		SMOLT		TOTAL STOCKED		RELEASE GOALS		% OF GOALS MET	
HATCHERY	SPECIES	STOCK	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
Round Butte	Rainbow Trout	066	0	0	0	0	21,069	11,970	21,069	11,970	23,400	7,800	90.0	153.5
	Spring Chinook	066	63,976	202	0	0	337,388	36,279	401,364	36,481	320,000	40,000	125.4	91.2
	Summer Steelhead	066	0	0	0	0	156,939	43,440	156,939	43,440	192,000	55,500	81.7	78.3
Wizard Falls	Atlantic Salmon	123	0	0	0	0	990	300	990	300	12,000	4,000	8.3	7.5
	Brook Trout	058[e]	0	0	0	0	498	415	498	415				
	Brook Trout	158W[e]	0	0	21,682	160	0	0	21,682	160				
	Brook Trout	364[e]	0	0	53,265	532	880	275	54,145	807	73,050	1,155	104.5	119.7
	Brook Trout	364B	0	0	0	0	815	1,217	815	1,217	0	0	n/a	n/a
	Cutthroat	119	0	0	17,080	56	0	0	17,080	56	25,900	130	65.9	43.1
	Kokanee	067	0	0	169,006	1,834	0	0	169,006	1,834	489,500	5,371	34.5	34.1
	Kokanee	069	0	0	55,253	524	0	0	55,253	524	25,000	250	221.0	209.6
	Rainbow Trout	053	0	0	530,442	8,316	0	0	530,442	8,316	556,050	8,236	95.4	101.0
	Rainbow Trout	066	0	0	0	0	13,445	1,800	13,445	1,800	0	0	n/a	n/a
	Rainbow Trout	072[a]	0	0	0	0	60,233	14,967	60,233	14,967				
	Rainbow Trout	072T[a]	0	0	10,729	39	0	0	10,729	39	21,950	8,567	323.3	175.2
	Rainbow Trout	127	0	0	24,995	575	0	0	24,995	575	6,000	2,000	416.6	28.8
	Rainbow Trout	127W	0	0	0	0	69,913	7,614	69,913	7,614	50,000	4,167	139.8	182.7
REGION	TOTALS		63,976	202	2,476,074	34,563	1,438,465	311,087	3,978,515	345,852	3,990,265	358,022	99.7	96.6
STATEWIDE	***TOTALS***													
	Atlantic Salmon		0	0	0	0	990	300	990	300	12,000	4,000	8.3	7.5
	Brook Trout		0	0	239,448	1,392	2,193	1,907	241,641	3,299	238,825	1,984	101.2	166.3
	Brown Trout		0	0	18,750	250	53,593	8,390	72,343	8,640	63,000	9,167	114.8	94.3
	Coho		56,868	51	179,687	2,337	4,900,676	353,587	5,137,231	355,975	4,835,500	353,988	106.2	100.6
	Cutthroat		0	0	98,789	333	1,424	2,125	100,213	2,458	135,300	847	74.1	290.2
	Fall Chinook		102,999	286	11,435,856	210,442	1,753,593	141,859	13,292,448	352,587	14,033,400	421,987	94.7	83.6
	Kokanee		0	0	224,259	2,358	0	0	224,259	2,358	514,500	5,621	43.6	41.9
	Rainbow Trout		0	0	2,971,798	42,645	2,373,878	889,129	5,345,676	931,774	5,240,285	934,471	102.0	99.7
	Spring Chinook		78,178	315	1,608,474	61,132	8,921,843	912,142	10,608,495	973,589	11,087,490	1,086,597	95.7	89.6
	Summer Steelhead		6,557	39	130,509	2,667	2,729,879	583,279	2,866,945	585,985	3,262,000	634,904	87.9	92.3
	Winter Steelhead		97,706	573	193,950	6,048	1,662,233	311,476	1,953,889	318,097	1,761,000	309,235	111.0	102.9
	TOTAL		342,308	1,264	17,101,520	329,604	22,400,302	3,204,194	39,844,130	3,535,062	41,183,300	3,762,801	96.7	93.9

[a]Release goals for 072 and 072T Rainbow Trout were combined.

[e]Release goals for 058, 058W and 364 Brook Trout were combined

Table 4. Fish Produced by ODFW Hatcheries for Release Outside Oregon

HATCHERY	SPECIES	STOCK	TOTAL SHIPPED NUMBER	TOTAL SHIPPED POUNDS	SHIPPED TO
Bonneville	Fall Chinook	095	3,500,075	35,771	Washington
Cascade	Coho	014	476,136	20,904	Washington
Oxbow	Sockeye	085	38,818	2,986	Idaho
Umatilla	Fall Chinook	097	793,916	12,519	Idaho

Table 5. Numbers and Pounds of Fish Stocked by Watershed in Calendar Year 2005

Water-shed	Drainage Basin		Trout				Steelhead		Chinook Salmon		Coho Salmon	Atlantic Salmon	Kokanee	Misc.*	Total
			Rainbow	Cutthroat	Brook	Brown	Summer	Winter	Spring	Fall					
1	North Coast	no.	96,879				179,028	752,689	2,433,967	7,173,765	2,427,019				13,063,347
		lb.	*38,491*				*22,651*	*85,101*	*173,683*	*146,810*	*168,344*				*635,080*
2	Willamette	no.	1,504,922	64,995	47,154		620,869		4,755,645				59,325		7,052,910
		lb.	*335,251*	*1,871*	*1,795*		*126,824*		*458,771*				*525*		*925,037*
3	Clackamas/ Sandy	no.	253,275	11,176	16,478		255,268	323,324	1,234,709	4,427,661	2,053,646				8,575,537
		lb.	*87,356*	*37*	*59*		*41,849*	*64,235*	*113,012*	*99,272*	*140,893*				*546,713*
4	Hood	no.	64,249		5,500		82,025	78,393	112,948						343,115
		lb.	*15,980*		*22*		*14,975*	*10,328*	*8,616*						*49,921*
5	Deschutes	no.	647,088	24,042	83,852	38,604	183,817		376,904			990	136,944	9	1,492,250
		lb.	*100,717*	*521*	*661*	*6,084*	*43,938*		*34,682*			*300*	*1,522*	*45*	*188,470*
6	John Day	no.	45,720		10,696										56,416
		lb.	*7,315*		*261*										*7,576*
7	Umatilla	no.	41,614				155,698		1,045,873	1,040,788	1,559,916				3,843,889
		lb.	*11,750*				*36,112*		*71,566*	*46,881*	*93,304*				*259,613*
8	Grande Ronde	no.	125,089		5,211		1,017,496		1,022,478						2,170,274
		lb.	*26,958*		*127*		*230,315*		*42,561*						*299,961*
9	Powder	no.	463,371												463,371
		lb.	*31,288*												*31,288*
10	Malheur	no.	277,287												277,287
		lb.	*3,837*												*3,837*
11	Owyhee	no.	80,380												80,380
		lb.	*1,579*												*1,579*
12	Malheur Lake	no.	145,923												145,923
		lb.	*13,917*												*13,917*
13	Goose L & Summer L	no.	156,442										2,970		159,412
		lb.	*17,297*										*33*		*17,330*
14	Klamath	no.	180,540		29,673	33,739							25,020		268,972
		lb.	*17,093*		*141*	*2,556*							*278*		*20,068*
15	Rogue	no.	976,253		27,508		216,937	368,939	1,680,425	77,505	208,972				3,556,539
		lb.	*105,620*		*132*		*43,118*	*82,404*	*181,618*	*4,178*	*19,307*				*436,377*
16	Umpqua	no.	158,219		15,569		83,778	28,543	348,715	71,363	187,049				893,236
		lb.	*50,000*		*56*		*13,933*	*5,742*	*47,069*	*9,390*	*11,578*				*137,768*
17	South Coast	no.	95,954					103,052		522,713	125,146				846,865
		lb.	*45,934*					*17,458*		*45,323*	*9,775*				*118,490*
18	Mid Coast	no.	176,030				72,029	298,949		185,137	233,805				965,950
		lb.	*80,630*				*12,270*	*52,828*		*13,207*	*21,651*				*180,586*
TOTAL NUMBERS			5,489,235	100,213	241,641	72,343	2,866,945	1,953,889	13,011,664	13,498,932	6,795,553	990	224,259	9	44,255,673
TOTAL POUNDS			991,013	2,429	3,254	8,640	585,985	318,096	1,131,578	365,061	464,852	300	2,358	45	3,873,611

* Misc. includes Largemouth Bass

Table 6. Fish Produced Outside ODFW Hatcheries for Release in Oregon in 2005

			TOTAL STOCKED	
SOURCE	SPECIES	STOCK	NUMBER	POUNDS
CEDC	Coho (reared at Sandy)	011	309,527	21,347
	Coho (reared at Cascade)	014	1,348,795	87,531
	Fall Chinook (reared at Big Creek and CEDC)	052	206,484	12,477
	Spring Chinook (reared at Gnat Cr. and Willamette)	022	917,382	69,563
	Spring Chinook (reared at CEDC)	021M	458,659	37,906
	Spring Chinook (reared at CEDC)	024M	566,030	23,103
Eagle Creek NFH	Coho	019	554,445	42,650
	Winter Steelhead	020	159,032	24,787
Little White Salmon NFH	Spring Chinook	072	255,703	15,972
	Spring Chinook	073	205,395	11,458
Warm Springs NFH	Spring Chinook	102	763,933	35,178

Table 7. Fish Purchased by ODFW from Private Fish Propagators in 2005

		TOTAL STOCKED		
SOURCE	**SPECIES**	**NUMBER**	**POUNDS**	**COST**
Blue Den Ranch	Rainbow Trout	740	247	$901
Brian Trout Ranch	Rainbow Trout	1,440	480	$1,992
Clear Creek Rainbow Ranch	Rainbow Trout	5,800	3,600	$10,525
Desert Springs Trout Farm	Rainbow Trout	154,815	64,512	$191,678
Island Springs Hatchery	Rainbow Trout	6,850	6,783	$20,025
Lake's Trout Farm	Rainbow Trout	9,051	5,296	$10,338
TOTAL		**178,696**	**80,918**	**$235,459**

Table 8. Summary of Egg and Fry Rearing at ODFW Hatcheries for Brood Year 2005

SPECIES/ STOCK	HATCHERY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	SHIP	SOLD	EGG LOSS	FRY LOSS	FRY RELEASE	ON HAND	FRY PONDED
ATLANTIC SALMON												
123	WIZARD FALLS	0	0	12,500	0	0	0	0	0	0	12,500	0
	SPECIES TOTAL	0	0	12,500	0	0	0	0	0	0	12,500	0
BROOK TROUT												
058	WIZARD FALLS	40	121,680	0	0	0	0	18,000	5,184	0	0	98,496
058T	WIZARD FALLS	140	387,380	0	0	0	0	236,900	3,480	0	0	147,000
158W	WIZARD FALLS	60	62,500	0	0	0	0	4,400	1,100	0	0	57,000
	SPECIES TOTAL	240	571,560	0	0	0	0	259,300	9,764	0	0	302,496
BROWN TROUT												
068	KLAMATH	24	79,000	0	0	0	0	9,880	0	0	69,120	0
	SPECIES TOTAL	24	79,000	0	0	0	0	9,880	0	0	69,120	0
COHO												
011	SANDY	510	1,350,383	0	0	0	0	182,883	93,972	0	0	1,073,528
013	BIG CREEK	242	776,900	0	16,000	8,000	0	136,900	18,281	0	0	597,719
013	STEP	0	0	16,000	0	0	0	0	0	0	16,000	0
014	BONNEVILLE	2,040	6,408,896	130,000	6,408,896	0	0	0	0	0	130,000	0
014	CASCADE	0	0	5,538,896	130,000	0	0	947,146	0	0	4,461,750	0
014	OXBOW	0	0	952,171	0	0	0	289,485	177,309	0	0	485,377
018	ROCK CREEK	73	182,516	0	65,023	0	0	22,213	0	0	94,888	0
033	SALMON RIVER	86	371,320	0	20,000	0	0	33,110	52,925	0	0	265,285
034	TRASK	90	259,348	0	0	0	0	28,528	11,627	0	0	219,193
052	COLE RIVERS	168	412,157	0	0	0	0	13,774	38,900	0	0	359,483
055	ROCK CREEK	74	201,177	0	98,969	0	0	19,003	0	0	80,000	0
099	NEHALEM	94	283,818	0	0	0	0	44,093	4,796	80,975	0	153,954
508	CASCADE	0	0	821,850	0	0	0	8,415	23,625	0	0	789,810
	SPECIES TOTAL	3,377	10,246,515	7,458,917	6,738,888	8,000	0	1,725,550	421,435	80,975	4,782,638	3,944,349
CUTTHROAT												
119	FALL RIVER	353	297,664	0	297,664	0	0	0	0	0	0	0
119	OAK SPRINGS	0	0	297,664	0	0	0	166,352	5,665	0	0	125,647
302	KLAMATH	0	0	76,545	0	0	0	0	36,545	0	0	40,000
	SPECIES TOTAL	353	297,664	374,209	297,664	0	0	166,352	42,210	0	0	165,647

Table 8. Summary of Egg and Fry Rearing at ODFW Hatcheries for Brood Year 2005

SPECIES/ STOCK	HATCHERY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	SHIP	SOLD	EGG LOSS	FRY LOSS	FRY RELEASE	ON HAND	FRY PONDED
FALL CHINOOK												
013	BIG CREEK	1,328	6,549,957	0	25,000	0	0	512,327	115,163	0	0	5,897,467
013	STEP	0	0	25,000	0	0	0	0	0	0	25,000	0
034	STEP	0	0	284,250	0	0	0	0	0	0	284,250	0
034	TRASK	138	627,882	0	284,250	0	0	33,958	0	0	309,674	0
035	ELK RIVER	416	643,592	0	0	9,900	0	96,652	955	33,507	472,836	29,742
036	SALMON RIVER	52	302,034	0	0	0	0	19,540	0	0	282,494	0
037	BANDON	0	0	3,310,249	2,552,235	0	0	209,519	3,703	0	0	544,792
037	COLE RIVERS	0	0	98,040	0	0	0	0	0	0	98,040	0
044	BANDON	40	193,848	0	180,409	0	0	13,439	0	0	0	0
044	BUTTE FALLS	0	0	170,488	0	0	0	0	0	0	170,488	0
045	UMATILLA	0	0	670,000	0	0	0	0	15,000	0	0	655,000
047	CEDAR CREEK	39	153,185	0	27,372	0	0	16,415	0	0	109,389	0
052	BIG CREEK	13	53,552	720,948	0	0	0	55,614	9,267	0	0	709,619
052	CEDC	11	24,342	693,983	585,059	0	0	98,034	4,938	0	29,541	753
052	KLASKANINE	404	1,079,991	0	1,079,991	0	0	0	0	0	0	0
052	YOUNGS BAY	129	369,116	585,059	369,116	0	0	0	0	0	18,700	566,359
061	STEP	50	129,752	0	0	0	0	0	0	0	129,752	0
091	BONNEVILLE	0	0	493,523	0	0	0	2,002	0	0	491,521	0
091	UMATILLA	185	640,321	0	493,523	0	0	146,798	0	0	0	0
095	BONNEVILLE	2,562	10,079,675	0	0	0	0	1,234,675	54,515	0	0	8,790,485
096	ELK RIVER	107	268,225	0	1,000	0	0	54,408	13,575	0	158,537	40,705
097	UMATILLA	0	0	940,000	0	0	0	4,586	52,195	0	146,731	736,488
146	SALMON RIVER	10	49,050	0	0	0	0	3,032	0	0	46,018	0
151	ROCK CREEK	2	10,313	59,482	0	0	0	1,827	0	0	67,968	0
	SPECIES TOTAL	5,486	21,174,835	8,051,022	5,597,955	9,900	0	2,502,826	269,311	33,507	2,840,939	17,971,410
KOKANEE												
067	WIZARD FALLS	1,510	827,870	0	0	115,200	0	96,380	40,290	0	0	576,000
069	WIZARD FALLS	380	309,479	0	0	0	0	15,419	15,060	0	0	279,000
	SPECIES TOTAL	1,890	1,137,349	0	0	115,200	0	111,799	55,350	0	0	855,000
RAINBOW TROUT												
053	KLAMATH	0	0	345,060	0	0	0	0	21,060	0	0	324,000
053	LEABURG	0	0	50,095	0	0	0	3,743	0	0	0	46,352
053	OAK SPRINGS	433	2,224,923	0	1,421,886	0	0	803,037	0	0	0	0
053	WIZARD FALLS	0	0	1,026,731	0	0	0	0	85,008	0	0	941,723

Table 8. Summary of Egg and Fry Rearing at ODFW Hatcheries for Brood Year 2005

SPECIES/ STOCK	HATCHERY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	SHIP	SOLD	EGG LOSS	FRY LOSS	FRY RELEASE	ON HAND	FRY PONDED
RAINBOW TROUT (cont.)												
053T	KLAMATH	0	0	1,052,289	0	0	0	0	128,289	0	0	924,000
053T	OAK SPRINGS	1,083	5,033,104	0	1,541,867	50,000	0	2,768,129	47,380	0	0	625,728
053T	WIZARD FALLS	0	0	477,378	0	0	0	0	33,202	0	0	444,176
066	OAK SPRINGS	15	91,453	0	5,600	50,000	0	35,853	0	0	0	0
066	STEP	0	0	5,600	0	0	0	0	0	5,600	0	0
072	ROARING RVER	761	182,694	0	0	0	80,000	62,054	9,228	0	0	31,412
072T	ALSEA	0	0	440,000	0	0	0	0	18,906	0	0	421,094
072T	COLE RIVERS	0	0	850,000	0	0	0	0	201,537	0	0	648,463
072T	FALL RIVER	0	0	100,000	0	0	0	0	0	0	100,000	0
072T	KLAMATH	0	0	523,500	0	0	0	0	54,000	0	133,500	336,000
072T	IRRIGON	0	0	200,000	0	0	0	0	0	0	200,000	0
072T	KLAMATH	0	0	523,500	0	0	0	0	54,000	0	133,500	336,000
072T	LEABURG	0	0	40,000	0	0	0	1,010	0	0	0	38,990
072T	NEHALEM	0	0	160,000	0	0	0	0	0	0	160,000	0
072T	OAK SPRINGS	0	0	244,000	0	0	0	0	0	0	244,000	0
072T	ROARING RVER	1,191	8,664,753	0	4,314,600	6,000	60,000	3,372,353	8,365	0	738,000	165,435
072T	WALLOWA	0	0	1,000	0	0	0	0	0	0	0	1,000
072T	WILLAMETTE	0	0	1,097,000	0	0	0	0	91,077	0	15,000	990,923
072T	WIZARD FALLS	0	0	593,000	0	0	0	0	59,300	0	0	533,700
127	FALL RIVER	183	565,003	0	522,138	0	0	21,600	0	0	21,265	0
127	OAK SPRINGS	0	0	38,250	0	0	0	2,360	905	0	0	34,985
127	WIZARD FALLS	0	0	483,888	0	0	0	222,644	7,000	0	0	254,244
127W	FALL RIVER	32	123,112	0	123,112	0	0	0	0	0	0	0
127W	KLAMATH	0	0	123,112	0	0	0	30,880	4,232	0	0	88,000
153	OAK SPRINGS	41	48,183	0	0	0	0	22,679	2,688	0	0	22,816
153W	OAK SPRINGS	71	69,284	0	0	0	0	13,726	2,771	0	0	52,787
551F	ROCK CREEK	51	14,840	0	0	0	0	3,538	1,401	0	0	9,901
	SPECIES TOTAL	3,861	17,017,349	8,374,403	7,929,203	106,000	140,000	7,363,606	830,349	5,600	1,745,265	7,271,729
SOCKEYE SALMON												
085	OXBOW	0	0	58,379	0	0	0	0	0	0	58,379	0
	SPECIES TOTAL	0	0	58,379	0	0	0	0	1,747	0	0	56,632

Table 8. Summary of Egg and Fry Rearing at ODFW Hatcheries for Brood Year 2005

SPECIES/ STOCK	HATCHERY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	SHIP	SOLD	EGG LOSS	FRY LOSS	FRY RELEASE	ON HAND	FRY PONDED
SPRING CHINOOK												
011	CLACKAMAS	70	377,720	0	342,000	0	0	35,240	0	0	480	0
011	WILLAMETTE	0	0	342,000	0	0	0	0	8,696	0	0	333,304
011W	CLACKAMAS	9	44,520	0	0	0	0	0	0	0	44,520	0
019	BONNEVILLE	0	0	353,712	0	0	0	0	0	0	353,712	0
019	CLACKAMAS	160	800,000	0	508,250	0	0	0	0	0	291,750	0
019	WILLAMETTE	0	0	1,340,500	353,712	0	0	0	33,675	0	0	953,113
021	MARION FORKS	252	1,072,977	0	0	0	0	185,177	27,777	0	0	860,023
022	GNAT CREEK	0	0	917,500	0	0	0	13,596	10,730	0	0	893,174
022	WILLAMETTE	800	3,073,438	0	926,900	0	0	317,438	46,648	0	0	1,782,452
023	MCKENZIE	541	1,725,412	0	100	0	0	544,212	206,275	0	0	974,825
024	SO. SANTIAM	547	2,307,600	0	1,482,500	0	0	825,100	0	0	0	0
024	WILLAMETTE	0	0	1,352,800	0	0	0	0	16,448	0	0	1,336,352
029	LOOKINGGLASS	117	531,706	0	409,918	0	0	90,459	140	0	0	31,189
029	OXBOW	0	0	409,918	0	0	0	0	3,909	0	0	406,009
034	STEP	0	0	155,900	0	0	0	2,352	2,146	42,536	900	107,966
034	TRASK	160	670,923	0	155,900	0	0	174,773	7,888	0	0	332,362
047	CEDAR CREEK	54	218,564	0	57,536	0	0	22,436	4,293	0	0	134,299
047	STEP	0	0	57,536	0	0	0	483	29	21,696	35,328	0
050	PARKDALE	65	159,574	0	107,570	0	0	46,939	5,065	0	0	0
050	ROUND BUTTE	0	0	107,570	0	0	0	0	0	0	107,570	0
052	COLE RIVERS	766	2,104,728	0	6,950	0	0	222,318	77,121	0	0	1,798,339
055	ROCK CREEK	45	144,530	0	0	0	0	19,039	4,935	0	0	120,556
055	SODA SPRINGS	88	333,060	0	0	0	0	41,818	5,415	0	0	285,827
066	ROUND BUTTE	227	776,331	0	0	0	0	77,011	80,116	0	0	608,305
080	LOOKINGGLASS	40	155,066	0	180	0	0	34,339	551	0	0	119,996
080	WALLOWA	0	0	180	0	0	0	0	0	0	0	180
080F	BONNEVILLE	58	62,202	0	62,202	0	0	0	0	0	0	0
080F	IRRIGON	0	0	25,354	0	473	0	0	1,169	0	0	23,712
080F	OXBOW	0	0	62,202	25,354	0	0	36,848	0	0	0	0
091	UMATILLA	282	1,040,529	0	0	231,370	0	130,918	0	0	678,241	0
200	LOOKINGGLASS	56	234,117	0	207,291	0	0	26,826	0	0	0	0
200	OXBOW	0	0	207,921	0	0	0	0	1,000	0	0	206,921
200F	BONNEVILLE	41	51,084	0	51,084	0	0	0	0	0	0	0
200F	IRRIGON	0	0	30,030	0	300	0	0	859	0	0	28,871
200F	OXBOW	0	0	51,084	30,030	0	0	21,054	0	0	0	0
201	LOOKINGGLASS	17	52,107	0	0	0	0	2,631	254	0	0	49,222

Table 8. Summary of Egg and Fry Rearing at ODFW Hatcheries for Brood Year 2005

SPECIES/ STOCK	HATCHERY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	SHIP	SOLD	EGG LOSS	FRY LOSS	FRY RELEASE	ON HAND	FRY PONDED
SPRING CHINOOK (cont.)												
201F	BONNEVILLE	44	41,887	0	41,887	0	0	0	0	0	0	0
201F	IRRIGON	0	0	26,993	0	200	0	0	994	0	0	25,799
201F	OXBOW	0	0	41,887	26,993	0	0	14,894	0	0	0	0
	SPECIES TOTAL	4,439	15,978,075	5,483,087	4,796,357	232,343	0	2,885,901	546,133	64,232	1,512,501	11,412,796
SUMMER STEELHEAD												
024	BONNEVILLE	0	0	275,320	0	0	0	0	8,388	0	0	266,932
024	OAK SPRINGS	0	0	1,048,780	0	0	0	0	7,800	0	0	1,040,980
024	SO. SANTIAM	429	1,523,285	0	1,324,100	0	0	199,185	0	0	0	0
029	IRRIGON	0	0	397,400	0	0	0	0	6,886	0	0	390,514
029	LITTLE SHEEP	95	439,275	0	439,275	0	0	0	0	0	0	0
029	WALLOWA	0	0	439,275	397,400	0	0	41,875	0	0	0	0
033	CEDAR CREEK	60	208,400	0	139,488	0	0	23,120	1,950	0	0	43,842
033	SALMON RIVER	0	0	139,488	0	0	0	0	33,359	0	0	106,129
047	CEDAR CREEK	52	169,692	0	0	0	0	15,684	3,871	0	0	150,137
050W	OAK SPRINGS	0	0	48,823	0	0	0	3,818	822	0	0	44,183
050W	PARKDALE	13	48,823	0	48,823	0	0	0	0	0	0	0
052	COLE RIVERS	161	474,662	0	0	0	0	46,629	24,523	0	0	403,510
055	ROCK CREEK	70	191,122	0	0	0	0	35,248	12,169	0	0	143,705
056	IRRIGON	0	0	1,121,100	0	0	0	0	28,530	0	0	1,092,570
056	STEP	0	0	1,800	0	0	0	0	0	1,800	0	0
056	WALLOWA	284	1,510,600	0	1,122,900	200,000	0	187,700	0	0	0	0
066	OAK SPRINGS	0	0	11,500	0	0	0	0	375	0	0	11,125
066	ROUND BUTTE	159	732,328	0	11,500	0	0	146,092	43,103	0	0	531,633
091	UMATILLA	42	190,108	0	0	0	0	60,124	7,585	0	0	122,399
	SPECIES TOTAL	1,365	5,488,295	3,483,486	3,483,486	200,000	0	759,475	179,361	1,800	0	4,347,659
WINTER STEELHEAD												
011F	IRRIGON	0	0	126,192	0	0	0	0	1,429	0	0	124,763
011F	SANDY	35	130,766	0	126,192	0	0	4,574	0	0	0	0
013	BIG CREEK	95	383,822	0	450	6,000	0	40,193	114,717	0	0	222,462
013	STEP	0	0	200	0	0	0	6	4	190	0	0
018	ROCK CREEK	96	229,423	0	1,500	0	0	28,033	19,734	0	0	180,156
032	NEHALEM	170	462,738	0	0	0	0	240,014	3,754	0	0	218,970
033W	ALSEA	41	133,424	0	0	0	0	14,851	3,128	0	0	115,445
037	BANDON	0	0	211,490	172,205	0	0	39,285	0	0	0	0

Table 8. Summary of Egg and Fry Rearing at ODFW Hatcheries for Brood Year 2005

SPECIES/ STOCK	HATCHERY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	SHIP	SOLD	EGG LOSS	FRY LOSS	FRY RELEASE	ON HAND	FRY PONDED
WINTER STEELHEAD (cont.)												
037	COLE RIVERS	0	0	171,968	0	0	0	0	7,218	0	0	164,750
037	STEP	77	211,490	237	211,490	0	0	21	19	0	0	197
038	STEP	0	0	20,760	20,760	0	0	0	0	0	0	0
038	WILLAMETTE	0	0	88,380	0	0	0	0	11,968	0	0	76,412
043	ALSEA	279	886,905	0	1,400	0	0	635,505	4,067	0	0	245,933
043	STEP	0	0	1,400	0	0	0	413	0	987	0	0
043W	ALSEA	55	137,808	0	0	0	0	32,386	9,124	0	0	96,298
044	BANDON	36	120,619	0	48,207	0	0	9,420	1,418	0	0	61,574
044	STEP	0	0	48,207	0	0	0	555	779	46,873	0	0
047	CEDAR CREEK	86	254,089	0	0	0	0	19,015	8,097	0	0	226,977
047F	CEDAR CREEK	27	76,814	0	0	0	0	18,200	2,355	0	0	56,259
050W	OAK SPRINGS	0	0	61,716	0	0	0	10,616	8,603	0	86	42,411
050W	PARKDALE	14	61,716	0	61,716	0	0	0	0	0	0	0
052	COLE RIVERS	172	465,376	0	0	0	0	54,903	15,965	0	0	394,508
062	COLE RIVERS	147	394,605	0	0	0	0	33,618	12,384	0	0	348,603
088	COLE RIVERS	0	0	24,346	0	0	0	0	240	0	0	24,106
088	STEP	9	30,600	0	30,600	0	0	0	0	0	0	0
096	ELK RIVER	38	152,563	0	100	200	0	23,948	17,190	0	0	111,125
099	NEHALEM	120	370,047	0	0	0	0	227,797	41,244	27,500	0	73,506
121F	TRASK	34	79,261	0	0	0	0	10,250	1,820	25,739	41,452	0
121W	TRASK	64	179,439	0	0	0	0	19,355	4,599	0	0	155,485
122	CLACKAMAS	52	220,677	0	139,250	0	0	31,427	800	0	0	49,200
122	IRRIGON	0	0	139,250	0	0	0	0	3,081	0	0	136,169
144	BANDON	35	137,862	0	34,313	0	0	14,470	1,017	0	0	88,062
144	STEP	0	0	34,313	0	0	0	76	22,071	12,166	0	0
	SPECIES TOTAL	1,682	5,120,044	928,459	848,183	6,200	0	1,508,931	316,825	113,455	41,538	3,213,371
	GRAND TOTAL	22,717	77,110,686	34,211,962	29,691,736	677,643	140,000	17,293,620	2,672,485	299,569	10,992,001	49,541,089

Table 9. Fish Loss Reports for 2005

LOCATION	DATE	TIME	SPECIES	STOCK	SIZE (FISH/LB)	NUMBER LOST	REASON
Cascade Hatchery	3/1/2005	4:30 AM	Coho	014	1200	59,000	Water line blockage
Oak Springs Hatchery	12/28/2005		Rainbow Trout	053T	729	9,508	Heavy agricultural runoff entered water supply
Upper Herman Creek	1/18/2005	9:00 AM	Coho	014	19	14,941	Intake blockage / Alarm failure
Salmon River Hatchery	3/29/2005	8:00 PM	Summer Steelhead	033	Sac fry	30,720	Water line blockage / Alarm failure
South Santiam Hatchery	9/12/2005	3:00 PM	Spring Chinook	024	16.5	10,162	Hydrogen peroxide overdose
South Santiam Hatchery	9/19/2005	3:00 PM	Spring Chinook	024	16.5	60,000	Toxic reaction to hydrogen peroxide

Table 10. Adult Anadromous Fish Dispositions for 2005*

				RETURNS				TRANSFERS			SPAWNED		DISPOSITION								
SPECIES/STOCK		BROOD YEAR	FACILTY	MALE	FEMALE	JACK	TOTAL	IN	OUT	POND LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
BULL TROUT																					
	29	2005	IMNAHA PD	65	65	0	130	0	0	1	0	0	129	1	0	0	0	0	0	0	130
	81	2005	LOOKINGGLASS	32	28	0	60	0	0	0	0	0	60	0	0	0	0	0	0	0	60
			SPECIES TOTAL	97	93	0	190	0	0	1	0	0	189	1	0	0	0	0	0	0	190
CHUM																					
	13	2005	BIG CREEK	5	4	0	9	0	0	0	0	0	9	0	0	0	0	0	0	0	9
	504	2005	BONNEVILLE	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
			SPECIES TOTAL	6	4	0	10	0	0	0	0	0	10	0	0	0	0	0	0	0	10
COHO																					
	0	2004	ELK RIVER	2	1	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
	0	2005	ELK RIVER	5	2	4	11	0	0	0	0	0	11	0	0	0	0	0	0	0	11
	11	2004	SANDY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0	120
	11	2005	MARMOT TRAP	5	5	0	10	0	0	0	0	0	0	7	0	0	0	3	0	0	10
	11	2005	SANDY	5,276	4,600	778	10,654	0	0	0	258	510	0	0	0	0	0	2,825	7,829	0	10,654
	11W	2005	MARMOT TRAP	464	253	28	745	0	0	0	0	0	745	0	0	0	0	0	0	0	745
	11W	2005	SANDY	99	40	7	146	0	0	0	0	0	146	0	0	0	0	0	0	0	146
	121W	2004	TUFFY CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	121W	2005	TRASK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	121W	2005	TUFFY CREEK	74	29	13	116	0	0	0	0	0	116	0	0	0	0	0	0	0	116
	13	2004	BIG CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	13	2005	BIG CREEK	3,173	3,382	704	7,259	0	0	486	139	242	201	539	0	3,910	0	0	2,599	10	7,259
	14	2005	BONNEVILLE	13,262	12,020	1,455	26,737	0	0	625	2,038	2,040	0	10,224	0	15,095	0	0	0	1,418	26,737
	15	2005	KLASKANINE	9	19	4	32	0	0	0	0	0	2	0	0	0	0	0	30	0	32
	18	2005	ROCK CREEK	71	75	8	154	0	0	8	64	73	0	8	0	0	0	0	146	0	154
	32	2004	NEHALEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	32	2005	NEHALEM	0	0	142	142	0	0	1	0	0	8	2	0	0	0	84	48	0	142
	33	2005	SALMON RIVER	846	592	119	1,557	0	0	283	122	86	153	107	0	0	0	0	1,294	3	1,557
	33	2005	SILETZ TRAP	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	33W	2005	SILETZ TRAP	23	4	1	28	0	0	0	0	0	28	0	0	0	0	0	0	0	28
	34	2004	TRASK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	34	2005	TRASK	917	630	160	1,707	0	0	32	90	90	0	32	0	0	0	1,003	666	6	1,707
	34W	2004	TRASK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	34W	2005	TRASK	63	32	13	108	0	0	0	0	0	108	0	0	0	0	0	0	0	108
	37	2004	MORGAN CREEK	0	0	0	0	0	0	0	10	9	0	0	0	0	0	0	21	0	21
	37	2005	MORGAN CREEK	201	151	34	386	0	0	0	23	16	264	0	0	0	0	69	41	0	374
	43W	2004	ALSEA	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	43W	2005	ALSEA	13	4	4	21	0	0	0	0	0	21	0	0	0	0	0	0	0	21
	43W	2005	ALSEA TRAP2	5	2	1	8	0	0	0	0	0	8	0	0	0	0	0	0	0	8
	43W	2005	HAT RES CTR	60	57	10	127	0	0	0	0	0	126	0	0	0	0	0	0	1	127
	44	2004	BANDON	39	77	13	129	0	0	4	8	10	14	4	0	0	0	0	208	0	226
	44	2005	BANDON	193	217	96	506	0	0	0	0	0	456	0	0	0	0	20	0	0	476
	47W	2004	CEDAR CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 10. Adult Anadromous Fish Dispositions for 2005

SPECIES/STOCK	BROOD YEAR	FACILTY	RETURNS				TRANSFERS		POND LOSS	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT		MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
47W	2005	BAYS CR TRAP	5	3	0	8	0	0	0	0	0	8	0	0	0	0	0	0	0	8
47W	2005	CEDAR CREEK	3	0	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
504	2005	BONNEVILLE	179	148	3	330	0	0	0	0	0	330	0	0	0	0	0	0	0	330
504	2005	CEDAR CREEK	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1
52	2004	COLE RIVERS	41	32	1	74	0	0	0	0	0	22	0	0	0	0	0	985	0	1,007
52	2005	COLE RIVERS	2,290	2,561	523	5,374	0	0	252	168	168	114	631	0	0	0	2,829	0	109	3,683
55	2004	ROCK CREEK	3	-8	4	-1	0	0	0	24	24	0	0	0	0	0	0	58	0	58
55	2005	ROCK CREEK	263	189	69	521	0	0	2	66	74	282	6	0	0	0	0	233	0	521
99	2004	NEHALEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	2005	NEHALEM	937	752	0	1,689	0	0	192	102	102	173	203	0	0	0	424	889	0	1,689
		SPECIES TOTAL	28,524	25,869	4,194	58,587	0	0	1,885	3,112	3,444	3,343	11,764	0	19,005	0	7,258	15,167	1,547	58,084
CUTTHROAT SEARUN																				
13	2005	BIG CREEK	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
13	2006	BIG CREEK	5	3	0	8	0	0	0	0	0	8	0	0	0	0	0	0	0	8
		SPECIES TOTAL	5	4	0	9	0	0	0	0	0	9	0	0	0	0	0	0	0	9
FALL CHINOOK																				
121W	2005	TUFFY CREEK	9	12	0	21	0	0	0	0	0	21	0	0	0	0	0	0	0	21
13	2005	BIG CREEK	2,145	3,096	21	5,262	0	0	1,016	454	1,328	0	1,016	0	1,933	532	0	1,781	0	5,262
14	2005	BONNEVILLE	1,333	1,654	38	3,025	0	0	0	0	0	0	346	0	0	0	2,679	0	0	3,025
146	2005	SALMON RIVER	0	0	0	0	39	0	16	10	10	0	18	0	0	0	0	21	0	39
146	2005	YAQUINA RIVER	21	18	0	39	0	39	0	0	0	0	0	0	0	0	0	0	0	0
15	2005	KLASKANINE	21	62	46	129	0	0	0	0	0	0	129	0	0	0	0	0	0	129
151	2005	GARDINER CR	33	77	2	112	0	0	28	28	51	0	28	0	0	0	0	84	0	112
151	2005	ROCK CREEK	3	6	0	9	0	0	5	2	2	0	9	0	0	0	0	0	0	9
32	2004	NEHALEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	2005	NEHALEM	2	1	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
33W	2005	SILETZ TRAP	4	5	2	11	0	0	0	0	0	11	0	0	0	0	0	0	0	11
34	2004	TRASK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	2005	TRASK	486	304	44	834	0	0	137	138	138	0	126	0	0	0	0	675	8	809
35	2004	ELK RIVER	128	218	0	346	0	0	4	180	263	0	0	0	0	0	0	315	160	475
35	2005	ELK RIVER	426	362	132	920	0	0	2	377	314	0	1	0	0	0	0	817	46	864
36	2005	SALMON RIVER	127	137	17	281	0	0	83	70	52	59	33	0	0	0	0	189	0	281
37	2005	MORGAN CREEK	2,843	3,559	566	6,968	0	0	264	1,767	738	1,536	264	0	0	0	684	4,484	0	6,968
43W	2005	ALSEA TRAP2	12	4	0	16	0	0	0	0	0	16	0	0	0	0	0	0	0	16
43W	2005	HAT RES CTR	34	6	0	40	0	0	0	0	0	40	0	0	0	0	0	0	0	40
44	2005	BANDON	52	45	3	100	0	0	14	39	44	0	22	0	0	0	0	77	0	99
47	2005	CEDAR CREEK	16	9	0	25	0	0	4	7	8	0	4	0	0	0	0	21	0	25
47F	2004	CEDAR CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	0	35
47W	2004	CEDAR CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	0	57
47W	2005	CEDAR CREEK	49	36	0	85	0	0	13	31	31	10	13	0	0	0	0	62	0	85
52	2005	BIG CREEK	8	19	2	29	0	0	8	0	13	0	29	0	0	0	0	0	0	29
52	2005	CLATSOP CTY	16	20	5	41	0	0	4	6	11	0	41	0	0	0	0	0	0	41

Table 10. Adult Anadromous Fish Dispositions for 2005

SPECIES/STOCK	BROOD YEAR	FACILTY	RETURNS MALE	RETURNS FEMALE	RETURNS JACK	RETURNS TOTAL	TRANSFERS IN	TRANSFERS OUT	POND LOSS	SPAWNED MALE	SPAWNED FEMALE	DISPOSITION RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
52	2005	COLE RIVERS	51	33	0	84	0	0	0	0	0	0	84	0	0	0	0	0	0	84
52	2005	KLASKANINE	295	401	168	864	0	0	152	203	404	0	169	0	0	334	0	454	0	957
52	2005	YOUNGS BAY	69	152	1	222	0	0	31	57	129	0	127	0	0	90	5	0	0	222
61	2005	INDIAN CREEK	61	116	32	209	0	0	10	49	50	64	10	0	0	0	28	107	0	209
66	2004	ROUND BUTTE	1	1	1	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
66	2005	ROUND BUTTE	139	103	172	414	0	0	6	0	0	454	6	0	0	0	0	0	0	460
95	2005	BONNEVILLE	12,393	11,592	297	24,282	0	0	724	2,152	2,562	0	9,216	0	15,038	0	0	0	28	24,282
96	2005	CHETCO RIVER	147	111	19	277	0	277	0	0	0	0	0	0	0	0	0	0	0	0
96	2005	ELK RIVER	0	0	0	0	277	0	0	145	107	0	0	0	0	0	0	277	0	277
		SPECIES TOTAL	20,924	22,159	1,568	44,651	316	316	2,521	5,715	6,255	2,217	11,691	0	16,971	956	3,396	9,456	242	44,929
PINK SALMON																				
504	2005	BONNEVILLE	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
		SPECIES TOTAL	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
SPRING CHINOOK																				
11W	2005	CLACKAMAS	0	0	0	0	200	0	21	70	70	36	42	0	0	0	0	122	0	200
11W	2005	MARMOT TRAP	1,091	715	6	1,812	0	200	0	0	0	1,612	0	0	0	0	0	0	0	1,612
11W	2005	SANDY	52	19	0	71	0	0	0	0	0	71	0	0	0	0	0	0	0	71
19	2005	CLACKAMAS	2,018	2,443	83	4,544	2,248	0	85	176	352	115	90	0	4,653	0	689	1,242	6	6,795
19	2005	FARADAY TRAP	1,108	1,122	18	2,248	0	2,248	0	0	0	0	0	0	0	0	0	0	0	0
19	2005	MARMOT TRAP	1,192	925	8	2,125	0	2,007	0	0	0	113	5	0	0	0	0	0	0	118
19	2005	SANDY	1,005	721	26	1,752	2,007	0	17	0	0	832	17	0	0	0	1,871	1,072	0	3,792
200	2005	LOOKINGGLASS	0	1	0	1	108	1	7	44	56	0	108	0	0	0	0	0	0	108
200	2005	LOSTINE WEIR	330	409	81	820	0	108	0	0	0	712	0	0	0	0	0	0	0	712
201	2005	CAT.CR.WEIR	84	87	34	205	0	34	0	0	0	149	22	0	0	0	0	0	0	171
201	2005	LOOKINGGLASS	1	0	3	4	34	0	2	12	17	0	37	0	0	0	1	0	0	38
21	2005	MARION FORKS	1,033	760	19	1,812	0	0	146	252	252	1,081	8	0	0	0	0	723	0	1,812
22	2004	BIG CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	2005	BIG CREEK	11	11	0	22	0	0	0	0	0	0	0	0	0	0	22	0	0	22
22	2005	DEXTER PONDS	2,897	3,020	475	6,392	0	2,677	0	0	0	2,255	0	0	0	0	1,460	0	0	3,715
22	2005	WILLAMETTE	0	0	0	0	2,677	0	933	735	800	0	2,637	0	0	0	0	0	0	2,637
23	2005	MCKENZIE	1,769	1,444	43	3,256	0	0	264	541	541	979	0	1,519	0	0	758	0	0	3,256
24	2005	SOUTH SANTIAM	2,003	1,677	112	3,792	0	0	166	452	547	2,641	171	0	0	0	8	1,277	0	4,097
29	2005	IMNAHA PD	450	582	189	1,221	0	797	22	0	0	402	22	0	0	0	0	0	0	424
29	2005	LOOKINGGLASS	0	0	0	0	547	0	9	95	117	283	264	0	0	0	0	0	0	547
29	2005	WALLOWA	0	0	0	0	236	0	3	0	0	0	3	0	0	0	233	0	0	236
33	2005	SILETZ TRAP	5	1	0	6	0	0	0	0	0	2	0	0	0	0	4	0	0	6
33W	2005	SILETZ TRAP	120	103	21	244	0	0	0	0	0	243	0	0	0	0	1	0	0	244
34	2005	TRASK	573	731	22	1,326	0	0	339	160	160	223	323	0	0	0	0	793	0	1,339
34W	2004	TRASK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34W	2005	TRASK	22	20	2	44	0	0	0	0	0	44	0	0	0	0	0	0	0	44
47	2004	CEDAR CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	15
47	2005	CEDAR CREEK	113	114	12	239	0	0	47	53	54	1	47	0	0	0	0	191	0	239

Table 10. Adult Anadromous Fish Dispositions for 2005

SPECIES/STOCK	BROOD YEAR	FACILTY	RETURNS				TRANSFERS		POND LOSS	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT		MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
50	2005	MID COL STLD	66	73	20	159	0	159	0	0	0	0	0	0	0	0	0	0	0	0
50	2005	PARKDALE	0	0	0	0	159	0	5	52	57	5	159	0	0	0	0	0	0	164
504	2005	BONNEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
504	2005	MID COL STLD	1	3	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	4
50W	2005	MID COL STLD	14	32	0	46	0	10	0	0	0	36	0	0	0	0	0	0	0	36
50W	2005	PARKDALE	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
52	2005	COLE RIVERS	3,746	4,332	747	8,825	0	0	863	345	771	3,151	3,650	0	2,786	0	319	0	90	9,996
55	2005	ROCK CREEK	246	233	8	487	45	67	89	29	45	0	89	0	0	0	299	77	0	465
55	2005	SODA SPRINGS	118	128	13	259	67	45	121	64	88	0	121	0	0	0	0	160	0	281
66	2005	MID COL STLD	50	201	0	251	0	0	1	0	0	250	1	0	0	0	0	0	0	251
66	2005	ROUND BUTTE	563	935	217	1,715	0	0	30	191	227	29	596	0	0	0	1,096	0	0	1,721
80	2005	GR RONDE WEIR	128	143	6	277	0	71	0	0	0	205	1	0	0	0	0	0	0	206
80	2005	LOOKINGGLASS	1	1	0	2	71	0	8	23	40	0	73	0	0	0	0	0	0	73
81	2005	LOOKINGGLASS	33	37	10	80	0	0	1	0	0	54	1	0	0	0	25	0	0	80
		SPECIES TOTAL	20,843	21,023	2,175	44,041	8,409	8,424	3,179	3,294	4,194	15,528	8,487	1,519	7,439	0	6,786	5,672	96	45,527
SUMMER STEELHEAD																				
121W	2006	TUFFY CREEK	1	2	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
23	2005	MCKENZIE	657	496	2	1,155	0	0	22	0	0	1,131	0	31	0	0	0	0	0	1,162
24	2004	SANDY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	2005	CLACKAMAS	44	28	0	72	0	0	15	0	0	70	77	0	0	0	0	0	0	147
24	2005	MARMOT TRAP	8	12	0	20	0	14	0	0	0	0	4	0	0	0	2	0	0	6
24	2005	MID COL STLD	38	10	0	48	0	0	1	0	0	47	1	0	0	0	0	0	0	48
24	2005	SANDY	389	343	0	732	14	0	0	0	0	436	3	0	0	0	330	0	0	769
24	2005	SOUTH SANTIAM	-81	84	0	3	0	0	539	267	267	0	542	0	0	0	0	742	0	1,284
24	2006	CLACKAMAS	218	275	0	493	48	0	1	0	0	647	1	0	0	0	49	2	0	699
24	2006	DEXTER PONDS	359	566	0	925	0	0	0	0	0	925	0	0	0	0	0	0	0	925
24	2006	FARADAY TRAP	11	37	0	48	0	48	0	0	0	0	0	0	0	0	0	0	0	0
24	2006	LEABURG	271	271	0	542	0	0	0	0	0	539	0	0	0	0	0	0	3	542
24	2006	MARION FORKS	1,505	1,621	0	3,126	0	0	0	0	0	2,748	1	0	0	0	1,431	0	0	4,180
24	2006	MID COL STLD	53	45	0	98	0	0	1	0	0	96	2	0	0	0	0	0	0	98
24	2006	SOUTH SANTIAM	2,425	2,376	0	4,801	0	0	14	31	31	5,168	88	0	0	0	240	0	0	5,496
24W	2005	MARMOT TRAP	52	76	0	128	0	0	0	0	0	128	0	0	0	0	0	0	0	128
29	2005	IMNAHA PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	2005	LITTLE SHEEP	1,068	1,145	0	2,213	0	0	10	96	95	2,023	199	0	0	0	0	0	0	2,222
33	2005	CEDAR CREEK	0	0	0	0	0	0	4	52	60	15	4	0	0	0	0	113	0	132
33	2005	SILETZ TRAP	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	4
33	2006	CEDAR CREEK	0	0	0	0	138	0	0	0	0	0	0	0	0	0	0	0	0	0
33	2006	SALMON RIVER	3	3	0	6	0	0	0	0	0	7	0	0	0	0	0	0	0	7
33	2006	SILETZ TRAP	1,141	906	9	2,056	0	138	0	0	0	750	0	0	0	0	954	214	0	1,918
33W	2005	SILETZ TRAP	14	15	0	29	0	0	0	0	0	29	0	0	0	0	0	0	0	29
33W	2006	SILETZ TRAP	278	249	9	536	0	0	0	0	0	536	0	0	0	0	0	0	0	536
47	2005	CEDAR CREEK	-12	11	0	-1	0	0	6	46	52	31	8	0	0	0	0	126	0	165

Table 10. Adult Anadromous Fish Dispositions for 2005

				RETURNS				TRANSFERS			SPAWNED		DISPOSITION								
SPECIES/STOCK		BROOD YEAR	FACILTY	MALE	FEMALE	JACK	TOTAL	IN	OUT	POND LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
	47	2005	TRASK	3	1	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	4
	47	2006	CEDAR CREEK	382	382	0	764	0	0	18	0	0	480	18	0	0	0	94	5	0	597
	47	2006	TRASK	26	24	2	52	0	0	0	0	0	0	6	0	0	0	0	43	0	49
	47	2006	TUFFY CREEK	69	81	0	150	0	0	0	0	0	0	0	0	0	0	0	151	0	151
	47W	2005	CEDAR CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50	2005	MID COL STLD	32	30	0	62	0	0	0	0	0	63	1	0	0	0	0	0	0	64
	50	2006	MID COL STLD	8	12	0	20	0	0	0	0	0	20	0	0	0	0	0	0	0	20
	504	2005	BONNEVILLE	6	6	0	12	0	0	0	0	0	12	0	0	0	0	0	0	0	12
	504	2005	MID COL STLD	14	3	0	17	0	0	0	0	0	17	0	0	0	0	0	0	0	17
	504	2006	MID COL STLD	2	1	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
	50W	2005	MID COL STLD	17	3	0	20	0	4	1	0	0	15	1	0	0	0	0	0	0	16
	50W	2005	PARKDALE	0	0	0	0	4	0	2	1	0	35	0	0	0	0	0	0	2	37
	50W	2006	MID COL STLD	5	10	0	15	0	9	0	0	0	7	0	0	0	0	0	0	0	7
	50W	2006	PARKDALE	0	0	0	0	9	0	3	0	0	6	0	0	0	0	0	0	3	9
	52	2005	COLE RIVERS	288	257	0	545	0	0	312	134	113	1,265	396	0	0	0	0	0	126	1,787
	52	2006	COLE RIVERS	1,134	1,318	0	2,452	0	0	108	0	0	2,107	108	0	0	0	0	0	6	2,221
	55	2005	ROCK CREEK	-21	29	0	8	0	0	48	49	70	0	48	0	0	0	0	138	0	186
	55	2006	ROCK CREEK	311	324	0	635	0	0	57	0	0	372	57	0	0	0	0	0	0	429
	56	2005	BIG CANYON	529	616	0	1,145	0	0	1	0	0	279	329	0	0	0	555	0	0	1,163
	56	2005	WALLOWA	1,277	1,088	0	2,365	0	0	38	282	284	78	1,297	0	0	0	1,095	0	0	2,470
	56	2006	WALLOWA	55	60	0	115	0	0	4	0	0	0	4	0	0	0	0	0	0	4
	66	2005	ROUND BUTTE	742	892	0	1,634	0	0	45	159	159	64	1,244	0	0	0	519	0	0	1,827
	66	2006	ROUND BUTTE	773	914	0	1,687	0	0	3	0	0	26	3	0	0	0	1,445	0	0	1,474
	81	2005	LOOKINGGLASS	85	120	1	206	0	0	1	0	0	201	0	0	0	0	5	0	1	207
			SPECIES TOTAL	14,180	14,743	23	28,946	213	213	1,254	1,117	1,131	20,383	4,442	31	0	0	6,719	1,538	141	33,254
WINTER STEELHEAD																					
	11	2005	MARMOT TRAP	4	2	0	6	0	3	3	0	0	0	3	0	0	0	0	0	0	3
	11	2005	SANDY	263	310	0	573	3	0	0	21	21	499	64	0	0	0	13	0	0	576
	11W	2005	MARMOT TRAP	266	332	0	598	0	63	0	0	0	535	0	0	0	0	0	0	0	535
	11W	2005	SANDY	0	5	0	5	63	0	3	14	14	65	3	0	0	0	0	0	0	68
	11W	2006	MARMOT TRAP	7	6	0	13	0	0	0	0	0	13	0	0	0	0	0	0	0	13
	121F	2005	TRASK	28	11	1	40	119	0	9	13	8	128	31	0	0	0	0	0	0	159
	121F	2005	TUFFY CREEK	137	67	0	204	0	119	5	0	0	80	5	0	0	0	0	0	0	85
	121F	2006	TUFFY CREEK	14	2	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	121W	2005	HUGHEY CR ACC.	75	84	1	160	0	158	1	0	0	1	1	0	0	0	0	0	0	2
	121W	2005	TRASK	0	0	0	0	179	0	17	0	0	161	18	0	0	0	0	0	0	179
	121W	2005	TUFFY CREEK	13	15	0	28	0	21	0	0	0	7	0	0	0	0	0	0	0	7
	121W	2006	TUFFY CREEK	1	1	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2
	122	2005	CLACKAMAS	248	229	0	477	0	0	18	82	80	484	54	0	0	0	0	0	0	538
	122W	2005	CLACKAMAS	4	7	0	11	34	0	2	22	24	43	2	0	0	0	0	0	0	45
	122W	2005	FARADAY TRAP	16	18	0	34	0	34	0	0	0	0	0	0	0	0	0	0	0	0
	13	2005	BIG CREEK	313	286	1	600	0	0	19	104	95	951	19	0	0	0	0	97	0	1,067

Table 10. Adult Anadromous Fish Dispositions for 2005

				RETURNS				TRANSFERS			SPAWNED		DISPOSITION								
SPECIES/STOCK		BROOD YEAR	FACILTY	MALE	FEMALE	JACK	TOTAL	IN	OUT	POND LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
	13	2006	BIG CREEK	240	135	0	375	0	0	0	0	0	165	0	0	0	0	0	0	0	165
	144	2005	BANDON	44	41	0	85	0	0	8	32	35	10	8	0	0	0	0	67	0	85
	15	2005	KLASKANINE	102	56	0	158	0	0	0	0	0	174	0	0	0	0	0	0	0	174
	15	2006	KLASKANINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	18	2005	GALESVILLE TRAP	0	8	0	8	0	0	0	0	0	8	0	0	0	0	0	0	0	8
	18	2005	ROCK CREEK	101	121	0	222	0	0	21	84	96	0	77	0	0	0	0	145	0	222
	20	2005	CLACKAMAS	1	1	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	2
	21	2005	MARION FORKS	337	325	0	662	0	0	0	0	0	662	0	0	0	0	0	0	0	662
	24	2005	SOUTH SANTIAM	250	346	0	596	0	0	2	0	0	593	3	0	0	0	0	0	0	596
	24	2006	SOUTH SANTIAM	4	9	0	13	0	0	0	0	0	13	0	0	0	0	0	0	0	13
	32	2005	NEHALEM	272	363	5	640	0	0	6	110	110	800	6	0	0	0	0	60	0	866
	32	2006	NEHALEM	206	130	1	337	0	0	0	10	10	122	0	0	0	0	0	0	0	122
	33	2005	SILETZ TRAP	326	205	5	536	0	255	0	0	0	190	0	0	0	0	0	91	0	281
	33W	2005	ALSEA	0	0	0	0	94	0	18	84	82	88	18	0	0	0	0	0	0	106
	33W	2005	SILETZ TRAP	130	115	0	245	0	94	0	0	0	151	0	0	0	0	0	0	0	151
	33W	2006	ALSEA	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	33W	2006	HAT RES CTR	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	33W	2006	SILETZ TRAP	3	7	0	10	0	1	0	0	0	9	0	0	0	0	0	0	0	9
	34W	2005	TRASK	3	10	0	13	0	0	0	0	0	13	0	0	0	0	0	0	0	13
	34W	2006	TRASK	3	6	0	9	0	0	0	0	0	9	0	0	0	0	0	0	0	9
	37	2006	MORGAN CREEK	9	10	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	43	2005	ALSEA	973	829	3	1,805	0	0	22	532	539	1,635	0	0	0	0	0	515	16	2,166
	43	2005	ALSEA TRAP2	300	191	4	495	0	0	0	44	40	479	0	0	0	0	0	105	0	584
	43	2006	ALSEA	99	69	0	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	43	2006	ALSEA TRAP2	24	25	0	49	0	0	0	0	0	49	0	0	0	0	0	0	0	49
	43	2006	HAT RES CTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	43W	2005	ALSEA	16	15	0	31	0	0	12	32	20	26	9	0	0	0	0	3	0	38
	43W	2005	ALSEA TRAP2	12	9	0	21	0	0	0	0	0	21	0	0	0	0	0	0	0	21
	43W	2006	ALSEA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	43W	2006	ALSEA TRAP2	1	3	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	4
	43W	2006	HAT RES CTR	1	2	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
	44	2005	BANDON	38	42	0	80	0	0	5	35	36	4	5	0	0	0	0	71	0	80
	44	2006	BANDON	4	3	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	47	2005	CEDAR CREEK	238	274	0	512	0	0	5	132	132	661	7	0	0	0	0	54	0	722
	47	2005	TRASK	18	16	0	34	0	0	0	0	0	33	1	0	0	0	0	0	0	34
	47	2005	TUFFY CREEK	60	43	0	103	0	0	0	0	0	103	0	0	0	0	0	0	0	103
	47	2006	BAYS CR TRAP	21	16	0	37	0	18	0	0	0	19	0	0	0	0	0	0	0	19
	47	2006	CEDAR CREEK	147	136	0	283	18	0	3	0	0	111	3	0	0	0	0	0	0	114
	47	2006	TRASK	5	6	0	11	0	0	0	0	0	0	0	0	0	0	0	3	0	3
	47	2006	TUFFY CREEK	65	26	0	91	0	0	0	0	0	91	0	0	0	0	0	0	0	91
	47F	2005	CEDAR CREEK	22	8	0	30	0	0	0	0	0	13	19	0	0	0	0	0	0	32
	47F	2006	BAYS CR TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 10. Adult Anadromous Fish Dispositions for 2005

SPECIES/STOCK	BROOD YEAR	FACILTY	RETURNS				TRANSFERS		POND LOSS	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT		MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
47F	2006	CEDAR CREEK	0	5	0	5	0	0	0	0	0	5	0	0	0	0	0	0	0	5
47W	2005	CEDAR CREEK	28	39	0	67	0	0	1	39	54	68	1	0	0	0	0	0	0	69
47W	2006	BAYS CR TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47W	2006	CEDAR CREEK	1	3	0	4	0	0	0	0	0	2	0	0	0	0	0	0	0	2
50	2005	MID COL STLD	177	193	0	370	0	14	6	0	0	347	9	0	0	0	0	0	0	356
50	2005	PARKDALE	0	0	0	0	14	0	0	0	0	7	0	0	0	0	0	0	8	15
504	2005	BONNEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
504	2005	MID COL STLD	48	79	0	127	0	0	0	0	0	126	1	0	0	0	0	0	0	127
50W	2005	MID COL STLD	143	180	0	323	0	60	3	0	0	261	3	0	0	0	0	0	0	264
50W	2005	PARKDALE	0	0	0	0	60	0	5	2	1	53	0	0	0	0	0	0	6	59
52	2005	COLE RIVERS	1,040	1,155	0	2,195	0	0	331	205	220	113	755	0	0	0	0	0	1,327	2,195
62	2005	COLE RIVERS	582	544	0	1,126	0	0	277	170	204	147	436	0	0	0	0	0	543	1,126
88	2006	EEL CR TRAP	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	2005	CHETCO RIVER	27	31	0	58	0	58	0	0	0	0	0	0	0	0	0	0	0	0
96	2005	ELK RIVER	0	0	0	0	58	0	7	35	38	0	0	0	0	0	0	0	80	80
96	2006	CHETCO RIVER	3	2	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0
96	2006	ELK RIVER	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
99	2005	NEHALEM	184	197	6	387	0	0	3	60	60	396	3	0	0	0	0	66	0	465
99	2006	NEHALEM	179	101	3	283	0	0	0	0	0	119	0	0	0	0	0	0	0	119
		SPECIES TOTAL	7,878	7,510	30	15,418	648	903	812	1,862	1,919	10,872	1,566	0	0	0	13	1,277	1,980	15,708
		GRAND TOTAL	92,458	91,405	7,990	191,853	9,586	9,856	9,652	15,100	16,943	52,552	37,951	1,550	43,415	956	24,172	33,110	4,006	197,712

*This table was updated on 3/1/2019 due to discrepancies in the original table.

Table 11. Wild Adult Fish Collection and Disposition for 2005

Species	Stock	Collection Site	Number Collected	Number Transferred In	Number Transferred Out	Live Spawned	Live Spawned	Released Above Barrier	Released Below Barrier	Carcass Disposition Stream Enrichment	Carcass Disposition Other
BULL TROUT											
	029	Imnaha Pond	130	0	0	0	0	129	0	0	1
	081	Lookingglass	60	0	0	0	0	60	0	0	0
		SPECIES TOTAL	**190**	**0**	**0**	**0**	**0**	**189**	**0**	**0**	**1**
CHUM SALMON											
	013	Big Creek	9	0	0	0	0	9	0	0	0
	504	Bonneville[1]	1	0	0	0	0	1	0	0	0
		SPECIES TOTAL	**10**	**0**	**0**	**0**	**0**	**10**	**0**	**0**	**0**
COHO SALMON											
	011W	Sandy[2]	146	0	0	0	0	146	0	0	0
	011W	Marmot Trap	745	0	0	0	0	745	0	0	0
	013	Big Creek	201	0	0	0	0	201	0	0	0
	015	Klaskanine	2	0	0	0	0	2	0	0	0
	018	Rock Creek	154	0	0	144	0	0	0	146	8
	032	Nehalem	8	0	0	0	0	8	0	0	0
	033	Salmon River	154	0	0	0	0	154	0	0	0
	033W	Siletz Trap	27	0	0	0	0	0	27	0	0
	034	Trask	109	0	0	0	0	0	109	0	0
	034W	Trask	109	0	0	0	0	0	109	0	0
	035	Elk River	12	0	0	0	0	12	0	0	0
	043W	Alsea	37	0	0	0	0	37	0	0	0
	043	Alsea Trap 2	8	0	0	0	0	8	0	0	0
	043W	OHRC	126	0	0	0	0	126	0	0	0
	044	Bandon	66	0	0	0	0	66	0	0	0
	047W	Cedar Creek	3	0	0	0	0	3	0	0	0
	052	Cole Rivers	391	0	0	237	0	0	121	223	47
	055	Rock Creek	153	0	0	143	0	0	0	143	10
	099	Nehalem	173	0	0	0	0	173	0	0	0
	121W	Tuffy Creek	115	0	0	0	0	115	0	0	0
	504	Bonneville[1]	44	0	0	0	0	44	0	0	0
		SPECIES TOTAL	**2783**	**0**	**0**	**524**	**0**	**1840**	**366**	**512**	**65**
CUTTHROAT SEARUN											
	013	Big Creek	7	0	0	0	0	0	7	0	0

Table 11. Wild Adult Fish Collection and Disposition for 2005

Species	Stock	Collection Site	Number Collected	Number Transferred In	Number Transferred Out	Spawned	Live Spawned	Released Above Barrier	Released Below Barrier	Carcass Disposition Stream Enrichment	Carcass Disposition Other
FALL CHINOOK											
	032	Nehalem	3	0	0	0	0	3	0	0	0
	033W	Siletz Trap	11	0	0	0	0	11	0	0	0
	034	Trask	645	0	0	276	0	0	0	645	0
	035	Elk River[7]	n/a	0	0	n/a	0	0	0	0	0
	036	Salmon River	72	0	0	69	0	15	0	32	15
	043W	Alsea Trap 2	16	0	0	0	0	16	0	0	0
	043W	OHRC	34	0	0	0	0	34	0	0	0
	044	Bandon	66	0	0	55	0	0	0	56	10
	047W	Cedar Creek	68	17	10	62	0	5	0	62	8
	052	Cole Rivers	80	0	0	0	0	0	0	0	80
	061	STEP	128			72		55		73	0
	066	Round Butte	316	0	0	0	0	0	315	0	1
	096	Elk River[7]	0	n/a	0	n/a	0	0	0	0	0
	121W	Tuffy Creek	21	0	0	0	0	0	21	0	0
	146	STEP	39	0	39	0	0	0	0	0	0
	146	Salmon River	0	39	0	12	0	0	0	21	17
	151	Rock Creek	9	0	0	4	0	0	0	0	9
		SPECIES TOTAL	**1508**	**56**	**49**	**550**	**0**	**139**	**336**	**889**	**140**
SPRING CHINOOK											
	011W	Marmot Trap	1812	0	200	0	0	1612	0	0	0
	011W	Clackamas	0	200	0	122	0	36	0	122	42
	011W	Sandy	71	0	0	0	0	71	0	0	0
	021	Minto Trap[4]	385	0	0	34	0	14	329	0	42
	023	McKenzie[5]	66	0	0	60	0	0	0	0	66
	024	South Santiam	972	0	0	0	0	972	0	0	0
	029	Imnaha River	245	0	57	0	0	183	0	0	5
	029	Lookinglass	0	57	0	57	0	0	0	0	57
	033W	Siletz Trap	243	0	0	0	0	243	0	0	0
	034W	Trask	44	0	0	0	0	0	44	0	0
	050W	Powerdale	47	0	10	0	0	37	0	0	0
	052	Cole Rivers	548	0	0	168	0	0	0	0	548
	055	Rock Creek	143	45	67	63	0	0	0	63	58
	055	Soda Springs	139	67	45	111	0	0	0	111	50
	066	Round Butte	15	0	0	0	0	0	15	0	0
	080W	Grande Ronde Weir	7	0	7	0	0	7	0	0	0

Table 11. Wild Adult Fish Collection and Disposition for 2005

Species	Stock	Collection Site	Number Collected	Number Transferred In	Number Transferred Out	Live Spawned	Live Spawned	Released Above Barrier	Released Below Barrier	Carcass Disposition Stream Enrichment	Carcass Disposition Other
SPRING CHINOOK (cont.)											
	080W	Lookingglass	0	71	0	67	0	0	0	0	71
	200W	Lookingglass	0	108	0	101	0	0	0	0	108
	201W	Catherine Creek Weir	50	0	0	0	0	50	0	0	0
	201W	Lookingglass	0	72	0	70	0	0	0	0	72
		SPECIES TOTAL	**4787**	**620**	**386**	**853**	**0**	**3225**	**388**	**296**	**1119**
SUMMER STEELHEAD											
	024	Leaburg	2	0	0	0	0	2	0	0	0
	024	South Santiam	9	0	0	2	0	0	0	0	9
	024W	Marmot Trap	128	0	0	0	0	128	0	0	0
	029	Little Sheep Creek	188	0	0	8	9	179	0	0	8
	033	Salmon River	1	0	0	0	0	1	0	0	0
	033W	Siletz Trap	520	0	0	0	0	520	0	0	0
	047W	Cedar Creek	3	0	0	0	0	0	3	0	0
	050W	Hood River[6]	212	0	37	0	0	175	0	0	0
	050W	Parkdale	0	40	0	1	19	35	0	0	5
	052	Cole Rivers	275	0	0	0	177	0	0	0	275
	055	Rock Creek	223	0	0	119	0	0	0	121	102
	056	Big Canyon	78	0	0	0	0	78	0	0	0
	056	Wallowa	5	0	0	0	0	0	5	0	0
	066	Round Butte	14	0	0	0	0	0	14	0	0
	081	Lookingglass	217	0	0	0	0	217	0	0	0
	504	Bonneville[1]	1	0	0	0	0	1	0	0	0
		SPECIES TOTAL	**1876**	**40**	**37**	**130**	**205**	**1336**	**22**	**121**	**399**
WINTER STEELHEAD (cont.)											
	011W	Marmot Trap	626	0	63	0	0	563	0	0	0
	011W	Sandy	5	63	0	0	28	3	62	0	3
	013	Big Creek	58	0	0	0	0	58	0	0	0
	015	Klaskanine	2	0	0	0	0	2	0	0	0
	018	Rock Creek	222	0	0	133	0	0	0	145	77
	021	Minto Trap	655	0	0	0	0	655	0	0	0
	024	South Santiam	629	0	0	0	0	626	0	0	2
	032	Nehalem	4	0	0	0	0	4	0	0	0
	033W	Siletz Trap	274	0	107	0	0	0	167	0	0
	033W	Alsea	0	107	0	0	82	0	88	0	19

Table 11. Wild Adult Fish Collection and Disposition for 2005

Species	Stock	Collection Site	Number Collected	Number Transferred In	Number Transferred Out	Live Spawned	Live Spawned	Released Above Barrier	Released Below Barrier	Carcass Disposition Stream Enrichment	Carcass Disposition Other
WINTER STEELHEAD											
	034W	Trask	27	0	0	0	0	0	27	0	0
	043W	Alsea	38	0	0	0	26	26	0	3	9
	043W	Alsea Trap 2	30	0	0	0	0	30	0	0	0
	044	Bandon	12	0	0	11	0	3	0	11	1
	047W	Cedar Creek	70	0	0	0	69	69	0	0	1
	050W	Hood River[5]	350	3	59	0	3	291	0	0	3
	050W	Parkdale	0	59	0	1	20	53	0	0	6
	052	Cole Rivers	168	0	0	0	87	0	87	0	81
	062	Applegate	47	0	47	0	0	0	0	0	0
	062	Cole Rivers	0	47	0	0	47	0	47	0	0
	121W	Trask	0	176	0	0	128	156	0	0	20
	121W	Tuffy Creek	27	0	18	19	8	8	11	0	0
	121W	STEP	160	0	158	0	0	1	0	0	1
	122W	Clackamas	11	34	0	0	38	43	0	0	2
	144	Bandon	15	0	0	8	0	0	4	8	3
		SPECIES TOTAL	**3430**	**489**	**452**	**172**	**536**	**2591**	**493**	**167**	**228**

[1]Released above Bonneville Dam

[2]Released above Marmot Dam

[3]Adults collected by gillnetting

[4]Below barrier releases were in Little North Fork

[5]Released above Leaburg Dam

[6]Adults captured by angling

[7]Wild adults are identified from scale samples; results unavailable at time of report

Table 12. Adult Carcass Placement for Stream Enrichment in 2005

HATCHERY	WATERBODY CODE	WATERBODY	NUMBER OF FISH
Alsea	1800400400	Maltby Creek	9
	1800400600	Seeley Creek	69
	1800405040	Bull Run	49
	1800405060	Bear Creek	109
	1800421080	Little Lobster Creek	194
	1800430020	Honey Grove Creek	11
	1800440016	Tobe Creek	43
		n/a	3
		TOTAL	487
Bandon	1700300280	Alder Creek	83
	1700301000	Ferry Creek	10
	1700310180	Moon Creek	25
		n/a	26
		TOTAL	144
Big Creek	0100200140	Mary's Creek	172
	0100201000	Lewis and Clark River	1,241
	0100203000	Bear Creek	518
	0100205020	Little Creek	18
	0100206000	Gnat Creek	670
	0100206090	N. Fork Gnat Creek	509
	0100210160	Walluski River	136
		TOTAL	3,264
Cedar Creek	0100407000	Elk Creek	126
	0100432000	E. Fork Beaver Creek	113
		TOTAL	239
Clackamas		US Forest Service	1,364
Elk River	1700100460	Brush Creek	466
	1700105000	Euchre Creek	54
	1700105060	Boulder Creek	63
	1700152000	Brush Creek	86
	1700152000	Mill Creek	277
		TOTAL	946
Klaskanine		STEP	30
Nehalem	0100300260	Foley Creek	253
	0100300320	E. Fork Foley Creek	126
	0100300935	Cook Creek	267
	0100310000	Soapstone Creek	179
	0100332000	E. Fork Humbug Creek	238
		TOTAL	1,063

Table 12. Adult Carcass Placement for Stream Enrichment **Page 2**

Rock Creek	1600202000	Rock Creek	243
	1600202140	E. Fork Rock Creek	234
		TOTAL	477
Salmon River	1800016030	Little Salmon River	40
	1800160120	Bear Creek	3
	1800160160	Alder Creek	144
	1800160220	Deer Creek	179
	1800160240	Sulfur Creek	162
	1800160260	Prairie Creek	178
	1800160270	Salmon River Tributary	110
	1800160280	Indian Creek	139
	1800161000	Slick Rock Creek	318
	1800300250	Haxel Creek	21
		TOTAL	1,294
Sandy	0300304000	Cedar Creek	120
		Sandy Basin Watershed Council	321
		STEP	1,391
		US Forest Service	6,936
		TOTAL	8,768
Siletz Trap	1800200000	Siletz River	223
	1800200242	Bentilla Creek	12
	1800205020	Sam's Creek	24
	1800207000	Gravel Creek	18
		TOTAL	277
South Santiam	0200130000	Calapooia River	250
	0201200001	S. Fork Santiam River	127
	0201200120	Wiley Creek	885
	0201206000	Soda Fork	143
	0201210000	Thomas Creek	127
	0201220000	Crabtree Creek	128
	0201230000	Canyon Creek	126
		TOTAL	1,786
Soda Springs	1600202000	Rock Creek	108
	1600202140	E. Fork Rock Creek	52
		TOTAL	160
STEP	1500200040	Edson Creek	72
	1500200060	Saunders Creek	35
		TOTAL	107

Table 12. Adult Carcass Placement for Stream Enrichment **Page 3**

Trask		Ben Smith	9
	0100103000	Miami River	260
	0100103094	Powderhouse Creek	12
	0100104000	Clear Creek	50
	0100104120	N. Fork Kilchis River	274
	0100104140	S. Fork Kilchis River	169
	0100120240	Jordan Creek	58
	0100120260	Cedar Creek	261
	0100132000	S. Fork Trask River	229
	0100132040	E. Fork of S. Fork Trask River	350
	0100133000	N. Fork Trask River	379
	0100141000	Simmons Creek	6
		TOTAL	2,057
Tuffy Creek		Ben Smith	23
	0100103000	Miami River	9
	0100104120	N. Fork Kilchis River	32
	0100120260	Cedar Creek	13
	0100125000	S. Fork Wilson River	9
	0100132040	E. Fork of S. Fork Trask River	65
		TOTAL	151
		GRAND TOTAL	**22,614**

n/a = not available

Table 13. Hatchery Produced Fish and Eggs Provided for Education and Research in 2005

Date	Live Fish	Species	Hatchery	Purpose
1/13/05	250	BT	Wizard Falls	OSU Research
1/13/05	260	CT	Wizard Falls	OSU Research
1/19/04	2	CHF	Bonneville	Wild Salmon Center Display
1/19/04	2	CO	Bonneville	Wild Salmon Center Display
1/19/04	2	STS	Bonneville	Wild Salmon Center Display
2/8/05	20	CO	Salmon River	USEPA Research
3/25/05	200	CHS	McKenzie River	Stillwater Sciences - Trailbridge Res.
4/4/05	35	RB	Leaburg	Display - EWEB Hayden Bridge Facility
4/8/05	50	CO	Salmon River	Hatfield Marine Science Center Display
4/13/05	300	RB	Roaring River	OSU Research
5/2/05	1,050	RB	Roaring River	OSU Research
5/9/05	1,500	CHS	Bonneville	NOAA Fisheries Research
5/20/05	12	CHS	South Santiam	Avery House Nature Center
6/3/05	150	CHS	McKenzie River	Stillwater Sciences - Trailbridge Res.
6/10/05	800	CHS	Marion Forks	OSU Research
7/27/05	6,000	CHF	Trask River	Hatfield Marine Science Center Research
9/13/06	20	CO	Cascade	USFWS Research
10/7/05	100	RB	Oak Springs	OSU Research
11/22/05	1,200	CO	Sandy River	Salmon Reintroduction Study - Reed College
Total Fish	**11,953**			

Date	Fish Carcasses	Species	Hatchery	Purpose
1/4/05	6	Adult STW	Cole M. Rivers	Dissection Lab - South Medford HS
1/25/05	8	Adult CHF	Bonneville	Dissection Lab - Gregory Heights MS, Portland
2/4/05	25	CHS	Bonneville	Dissection Lab - Central Catholic HS, Portland
2/28/05	500	STS	Bonneville	Sea Lion Study - Marine Mammal Ctr., Sausalito
3/2/05	30	CHF	Big Creek	Contaminant Analysis - BPA - USGS
3/7/05	30	Adult STS	Cole M. Rivers	Dissection Lab - Crater HS, Central Point
3/29/05	10	RB	Alsea River	Dissection Lab - Philomath HS
4/30/04	24	Adult STS	Cole M. Rivers	Dissection Lab - North MS, Grants Pass
4/30/04	50	Adult STS	Cole M. Rivers	Dissection Lab - Klamath Union HS
5/19/05	6	Adult CO	Cole M. Rivers	Fish Prints - Free Fishing Day - BLM
7/13/05	4	Adult CHS	Clackamas R.	Dissection Lab - Salmon Watch - USFS
9/13/05	10	Adult CHS	Cole M. Rivers	Dissection - Salmon Festival - OSU Extension
9/26/05	2	Adult CHS	Cole M. Rivers	Dissection Lab - Eagle Rock ES
9/26/05	45	RB	Leaburg	Dissection Lab - Jefferson MS, Eugene
10/4/05	4	Adult CO	Salmon River	Drawing Models, Art Class - Neskowin School
10/6/05	12	Adult CHF	Bonneville	Dissection - Oxbow Salmon Fest - Metro
10/10/05	6	Adult CHF	Bonneville	Dissection Lab - Gregory Heights MS, Portland
10/13/05	4	Adult CO	Trask River	Dissection Lab - Tillamook HS
10/17/05	2	Adult CHF	Bonneville	Dissection Lab - Salmon Watch - USFS
10/18/05	240	Adult CHS	Cole M. Rivers	Bait for forest carnivore survey - BLM
10/18/05	4	Adult CHF	Bonneville	Dissection Lab - Salmon Watch - USFS
10/21/05	2	Adult CHF	Bonneville	Dissection Lab - NOAA Fisheries
10/24/05	6	RB	Leaburg	Dissection Lab - Laurelwood Academy
10/31/05	2	Adult CHF	Bonneville	Dissection Lab - NOAA Fisheries
10/31/05	4	Adult CHF	Bonneville	Dissection Lab - Salmon Watch - USFS
11/2/05	2	Adult CHF	Bonneville	Dissection Lab - Salmon Watch - USFS
11/3/05	4	Adult CHF	Bonneville	Dissection Lab - Salmon Watch - USFS
11/21/05	6	Adult CHF	Bonneville	Dissection Lab - Salmon Watch - USFS
12/9/05	4	Adult CHS	Cole M. Rivers	Dissection Lab - Wilson ES
12/12/05	16	RB	Alsea River	Dissection Lab - Philomath HS
12/13/05	6	Adult STW	Cole M. Rivers	Dissection Lab - South Medford HS
Total Fish	**1,074**			

Table 13. Hatchery Produced Fish and Eggs Provided for Education and Research in 2005

Date	Live Eggs	Species	Hatchery	Purpose
10/27/05	300	RB	Roaring River	Research - Lewis and Clark College
10/28/05	300	RB	Oak Springs	Research - Lewis and Clark College
Total Eggs	**600**			

Date	Dead Eggs	Species	Hatchery	Purpose
2/1/05	64,000	STW	Alsea River	Bait for coho research traps - EPA
11/3/05	64,000	STW	Alsea River	Bait for coho research traps - EPA
Total Eggs	**128,000**			

Table 14. Surplus Salmon Carcass Sales in 2005

Hatchery	Species	Name of Fish Buyer	Number of Fish Sold	Total Weight (lb)	Total Value
Big Creek	Fall Chinook	Bornstein Seafoods	1,933	40,839.99	$10,737.39
Big Creek	Coho	Bornstein Seafoods	3,910	32,261.34	$14,817.30
Bonneville	Fall Chinook	Bornstein Seafoods	15,038	203,757.70	$147,577.14
Bonneville	Coho	Bornstein Seafoods	15,095	126,466.00	$63,799.00
Clackamas	Spring Chinook	Bornstein Seafoods	4,653	69,502.60	$88,494.20
Cole Rivers	Spring Chinook	Bornstein Seafoods	2,786	37,292.40	$50,904.97
TOTAL			**43,415**	**510,120**	**$376,330.00**

Total Value includes fish price + catch fee (3.15%) + Restoration and Enhancement fee ($0.05/lb)

Table 15. Triploid Trout Egg Production Statistics

Hatchery	Brood Year	Species	Stock	Egg Take	% Survival		Induction Rate
					Eyed Egg	Ponded Fry	
Roaring River	2004	Rainbow Trout	072T	9,173,817	49.13	46.68	84% - 96%[1]
Roaring River	2005	Rainbow Trout	072T	8,748,632	64.30	64.26[2]	n/a
Oak Springs	2004	Rainbow Trout	053T	596,643	64.91	57.75	66% - 91%[3]
Oak Springs	2005	Rainbow Trout	053T	5,033,104	45.00	44.06	n/a
Wizard Falls	2005	Brook Trout	058T	387,380	38.85	38.36	n/a

n/a = not available – fish were not yet large enough to draw blood samples for testing at time of report.
[1]84% induction rate was for eggs from 4-year old females, 96% induction rate was for eggs from 3-year –old females.
[2]Not all fry had been ponded at time of report.
[3]Lowest induction rate was from lowest tray in incubator stack.

Table 16. Hatchery Maintenance Projects Completed in 2005

No	Site	Project
05-005	Clackamas Hatchery	UST Removal and AST Replacement
05-008	Nehalem Hatchery	Supply Pipe Repair
05-010	Oak Springs Hatchery	Lower Ponds Supply Header Pipes
05-012	Oxbow Hatchery	Residence #1 Septic System Repair
05-016	Salmon River Hatchery	Pump #2 Electrical Repairs
05-022	Elk River Hatchery	Deck Replacement
05-023	Salmon River Hatchery	Pump #4 Repair
05-025	Salmon River Hatchery	Pump #5 Electrical Repair
05-026	Tuffy Creek	Pipe Repair
05-034	Klamath Hatchery	Septic Tank Replacements
05-036	Salmon River Hatchery	Intake Alarm
05-040	Nehalem Hatchery	Pump Control Repair
04-006	Salmon River Hatchery	Trench Patching
04-022	Klamath Hatchery	Electrical - Deferred Maintenance
04-058	Wizard Falls Hatchery	Supply Valve Replacement
04-059	Oak Springs Hatchery	Electrical and Alarm System Improvements
04-061	Nehalem Hatchery	Trap Expansion
0310	Wizard Falls Hatchery	Cold Storage Building Modification
0312	Elk River Hatchery	Refrigeration Doors
0339	Cascade Hatchery	Septic System Repairs
0341	Cascade Hatchery	Roof Repairs - Hatchery and Freezer Buildings
0348	Oxbow Hatchery	Hatchery Building Roof Replacement

Table 17. Frequency of Pathogen Diagnosis at ODFW Hatcheries in 2005

Pathogen	Summer Steelhead	Winter Steelhead	Rainbow Trout	Spring Chinook	Fall Chinook	Coho	Other Species	Total
Ichthyobodo	6	19	12	11	7	0	1	56
Trichodinids	6	28	47	25	0	30	10	146
Gyrodactylus	36	67	114	9	0	0	3	229
Ich	9	42	34	16	13	1	1	116
Gill Amoeba	0	1	4	1	0	1	1	8
BKD[1]	0	0	0	69	10	6	4	89
Furunculosis	1	1	3	33	3	9	1	51
Coldwater	55	51	65	50	10	80	0	311
Columnaris	4	3	0	6	2	3	0	18
BGD[2]	7	7	6	0	5	0	0	25
Enteric RMD[3]	0	0	0	9	8	0	1	18
Gram Negative Septicemia[4]	56	72	31	97	29	30	1	316
IHNV[5]								
Adult	5	7	1	3	1	0	1	18
Juvenile	0	0	5	0	0	0	0	5
Fingerling	1	0	4	1	0	0	0	6
Fry	1	0	0	0	0	0	0	1
EIBS[6]	0	0	0	0	0	1	0	1
Fungus	13	12	29	102	11	11	0	178
Henneguya	0	1	7	4	0	0	8	20
Ceratomyxa	1	0	1	6	1	1	0	10
M. cerebralis	0	0	1	9	0	0	0	10
Mxyobolus spp	6	6	16	5	2	8	15	58

* Results include species examined for wild fish survey

[1]Bacterial Kidney Disease

[2]Bacterial Gill Disease

[3]Enteric Red-mouth Disease

[4]infection by various *Aeromonas* and *Pseudomonas* bacteria

[5]Infectious Hematopoietic Necrosis Virus

[6]Erythrocytic Inclusion Body Syndrome

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Bandon	Coho	044	Coquille River	1992	1994	23,398	49,153	0	0.00	8	0.03	0.03
			Coquille River	1995	1997	22,687	26,299	0	0.00	83	0.37	0.37
			Ferry Creek	1996	1998	26,065	57,731	4	0.02	230	0.88	0.90
			Ferry Creek	1998	2000	24,844	26,207	13	0.05	1,040	4.19	4.24
			Ferry Creek	1999	2001	25,688	25,737	3	0.01	22	0.09	0.10
			Ferry Creek	2000	2002	29,044	29,632	78	0.27	643	2.21	2.48
	Fall Chinook	044	Coquille River	1990	1991	25,570	54,613	35	0.14	19	0.07	0.21
			Ferry Creek	1991	1992	26,605	55,787	10	0.04	1	0.00	0.04
			Coquille River	1995	1996	21,288	48,529	17	0.08	10	0.05	0.13
	Spring Chinook	044	SF Coquille River	1990	1991	15,643	15,643	19	0.12	0	0.00	0.12
Big Creek	Coho	013	Big Creek	1991	1993	54,907	560,176	40	0.07	554	1.01	1.08
			Big Creek	1992	1994	51,767	465,990	122	0.24	365	0.71	0.94
			Big Creek	1993	1995	53,842	533,857	23	0.04	381	0.71	0.75
			Big Creek	1994	1996	56,067	543,566	8	0.01	397	0.71	0.72
			Big Creek	1995	1997	55,296	535,702	13	0.02	345	0.62	0.65
			Big Creek	1996	1998	51,133	501,194	11	0.02	316	0.62	0.64
			Big Creek	1997	1999	52,645	525,342	78	0.15	745	1.42	1.56
			Big Creek	1998	2000	51,116	543,459	130	0.25	1,793	3.51	3.76
			Big Creek	1999	2001	53,792	537,230	141	0.26	1,798	3.34	3.60
			Big Creek	2000	2002	53,974	540,898	546	1.01	1,611	2.98	4.00
			Tualatin River	1991	1993	26,885	60,052	0	0.00	12	0.04	0.04
			Tualatin River	1992	1994	26,533	60,239	5	0.02	1	0.00	0.02
			Tualatin River	1993	1995	26,303	59,250	0	0.00	0	0.00	0.00
			Tualatin River	1994	1996	26,426	59,919	0	0.00	23	0.09	0.09
			Tualatin River	1995	1997	25,222	60,000	3	0.01	2	0.01	0.02
			Tualatin River	1996	1998	27,506	60,152	2	0.01	15	0.05	0.06
	Fall Chinook	013	Big Creek	1989	1990	216,589	9,746,836	127	0.06	79	0.04	0.10
			Big Creek	1990	1991	157,334	10,880,953	61	0.04	56	0.04	0.07
			Big Creek	1991	1992	105,416	8,579,586	45	0.04	95	0.09	0.13
			Big Creek	1992	1993	105,966	7,901,061	11	0.01	56	0.05	0.06
			Big Creek	1993	1994	105,425	7,025,715	73	0.07	155	0.15	0.22
			Big Creek	1994	1995	158,756	11,188,784	20	0.01	77	0.05	0.06
			Big Creek	1995	1996	209,424	9,470,792	0	0.00	42	0.02	0.02
			Big Creek	1996	1997	217,574	5,961,118	121	0.06	314	0.14	0.20
			Big Creek	1997	1998	218,967	5,867,783	55	0.03	119	0.05	0.08
			Big Creek	1998	1999	225,527	5,804,921	303	0.13	222	0.10	0.23

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Big Creek	Fall Chinook	052	Big Creek	1989	1990	152,691	383,482	812	0.53	535	0.35	0.88
			Big Creek	1990	1991	153,009	785,934	440	0.29	751	0.49	0.78
			Big Creek	1991	1992	155,817	763,387	104	0.07	667	0.43	0.49
			Big Creek	1992	1993	104,250	444,718	562	0.54	1,039	1.00	1.54
			Big Creek	1993	1994	109,048	804,671	215	0.20	473	0.43	0.63
			Big Creek	1994	1995	105,325	1,008,598	126	0.12	220	0.21	0.33
			Big Creek	1995	1996	26,791	521,952	17	0.06	30	0.11	0.18
			NF Klaskanine River	1995	1996	25,322	26,178	7	0.03	44	0.17	0.20
Bonneville	Coho	014	Tanner Creek	1991	1993	55,053	1,111,764	25	0.05	1,271	2.31	2.35
			Tanner Creek	1992	1994	38,543	1,037,468	39	0.10	159	0.41	0.51
			Tanner Creek	1993	1995	51,936	1,279,197	29	0.06	445	0.86	0.91
			Tanner Creek	1994	1996	48,695	1,219,750	8	0.02	487	1.00	1.02
			Tanner Creek	1995	1997	56,330	1,115,249	15	0.03	391	0.69	0.72
			Tanner Creek	1996	1998	42,292	991,036	30	0.07	322	0.76	0.83
			Tanner Creek	1997	1999	51,051	1,316,431	59	0.12	838	1.64	1.76
			Tanner Creek	1998	2000	53,858	1,176,082	375	0.70	2,477	4.60	5.30
			Tanner Creek	1999	2001	50,923	1,249,655	158	0.31	1,264	2.48	2.79
			Tanner Creek	2000	2002	52,372	1,198,209	728	1.39	2,619	5.00	6.39
	Fall Chinook	013	Big Creek	1991	1992	54,585	1,225,340	50	0.09	85	0.16	0.25
			Tanner Creek	1990	1991	50,358	2,580,821	38	0.08	46	0.09	0.17
			Tanner Creek	1991	1992	106,605	7,757,835	12	0.01	22	0.02	0.03
	Fall Chinook	014	Tanner Creek	1989	1990	214,085	6,754,197	141	0.07	113	0.05	0.12
			Tanner Creek	1990	1991	49,970	2,286,209	14	0.03	16	0.03	0.06
			Tanner Creek	1992	1993	107,301	6,582,277	2	0.00	15	0.01	0.02
			Tanner Creek	1993	1994	52,175	5,866,287	2	0.00	24	0.05	0.05
			Tanner Creek	1994	1995	78,345	1,137,161	7	0.01	5	0.01	0.02
			Tanner Creek	1995	1996	81,210	3,731,713	1	0.00	17	0.02	0.02
	Fall Chinook	072	Tanner Creek	1994	1995	80,726	7,102,870	5	0.01	26	0.03	0.04
			Tanner Creek	1995	1996	75,839	3,819,875	1	0.00	11	0.01	0.02
	Fall Chinook	095	Mid-Columbia River	1989	1990	93,127	99,686	163	0.18	142	0.15	0.33
			Mid-Columbia River	1990	1991	190,571	848,688	123	0.06	201	0.11	0.17
			Ringold Pond (WA)	1993	1994	425,289	4,258,492	249	0.06	1,002	0.24	0.29
			Tanner Creek	1989	1990	98,382	996,638	132	0.13	114	0.12	0.25
			Tanner Creek	1990	1991	247,106	4,867,973	140	0.06	284	0.11	0.17
			Tanner Creek	1991	1992	102,163	3,153,084	18	0.02	42	0.04	0.06
			Tanner Creek	1992	1993	97,104	4,030,615	83	0.09	270	0.28	0.36

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Bonneville	Fall Chinook	095	Tanner Creek	1993	1994	203,934	5,733,742	292	0.14	714	0.35	0.49
			Tanner Creek	1994	1995	233,782	6,481,671	20	0.01	47	0.02	0.03
			Tanner Creek	1995	1996	239,982	6,180,564	243	0.10	426	0.18	0.28
			Tanner Creek	1996	1997	106,199	7,080,330	22	0.02	32	0.03	0.05
			Tanner Creek	1997	1998	114,226	6,350,819	36	0.03	161	0.14	0.17
			Tanner Creek	1998	1999	308,770	5,783,776	616	0.20	1,329	0.43	0.63
			Umatilla River	1990	1992	52,338	220,440	5	0.01	5	0.01	0.02
			Umatilla River	1991	1993	47,102	134,837	7	0.01	14	0.03	0.04
			Umatilla River	1992	1994	47,170	283,453	9	0.02	88	0.19	0.21
			Umatilla River	1993	1995	49,239	227,088	7	0.01	85	0.17	0.19
			Umatilla River	1994	1996	55,918	421,316	2	0.00	112	0.20	0.20
			Umatilla River	1996	1998	27,402	256,910	2	0.01	40	0.15	0.15
			Umatilla River	1997	1999	49,651	52,194	14	0.03	42	0.08	0.11
			Umatilla River	1998	2000	55,179	56,734	389	0.70	1,309	2.37	3.08
	Spring Chinook	081	WF Hood River	1989	1991	52,068	125,327	0	0.00	15	0.03	0.03
			WF Hood River	1990	1992	52,732	163,295	0	0.00	17	0.03	0.03
			Umatilla River	1989	1990	157,652	158,436	0	0.00	6	0.00	0.00
			Umatilla River	1989	1991	151,272	196,655	3	0.00	205	0.14	0.14
			Umatilla River	1990	1991	157,243	159,623	0	0.00	25	0.02	0.02
			Umatilla River	1990	1992	156,214	208,030	0	0.00	16	0.01	0.01
	Spring Chinook	075	Umatilla River	1991	1992	131,647	132,929	0	0.00	14	0.01	0.01
			Umatilla River	1991	1993	39,973	91,542	0	0.00	19	0.05	0.05
			Umatilla River	1992	1994	93,349	405,102	0	0.00	455	0.49	0.49
	Spring Chinook	066	WF Hood River	1991	1993	39,739	40,317	0	0.00	10	0.03	0.03
			WF Hood River	1993	1995	42,861	170,004	0	0.00	18	0.04	0.04
Butte Falls	Coho	037	Noble Creek	1991	1993	20,792	86,030	24	0.12	89	0.43	0.54
			Noble Creek	1992	1994	24,986	41,836	0	0.00	103	0.41	0.41
	Coho	044	Coquille River	1991	1993	25,565	43,932	0	0.00	32	0.13	0.13
			Sevenmile Creek	1993	1995	23,819	93,545	0	0.00	1	0.00	0.00
			Sevenmile Creek	1994	1996	20,727	23,575	5	0.02	1	0.00	0.03
			Ferry Creek	1997	1999	27,640	28,751	10	0.04	548	1.98	2.02
	Coho	063	Eel Lake	1991	1993	24,316	120,978	9	0.04	0	0.00	0.04
			Eel Lake	1992	1994	26,200	122,950	0	0.00	0	0.00	0.00
	Coho	018	SF Umpqua River	1991	1993	27,462	132,234	3	0.01	23	0.08	0.09
			SF Umpqua River	1992	1994	24,893	129,253	5	0.02	14	0.06	0.08
			SF Umpqua River	1993	1995	22,051	130,153	6	0.03	34	0.15	0.18

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Butte Falls	Coho	018	SF Umpqua River	1994	1996	21,216	123,367	0	0.00	17	0.08	0.08
			SF Umpqua River	1995	1997	22,656	134,006	0	0.00	2	0.01	0.01
			SF Umpqua River	1996	1998	27,952	131,897	2	0.01	7	0.03	0.03
			SF Umpqua River	1997	1999	28,365	68,472	30	0.11	29	0.10	0.21
			SF Umpqua River	1998	2000	25,103	62,624	33	0.13	29	0.12	0.25
	Fall Chinook	037	Noble Creek	1989	1990	26,099	63,490	94	0.36	55	0.21	0.57
	Fall Chinook	044	Sevenmile Creek	1993	1994	23,420	50,650	96	0.41	4	0.02	0.43
			Sevenmile Creek	1994	1995	22,554	31,960	118	0.52	3	0.01	0.54
			Sevenmile Creek	1996	1997	27,456	54,970	28	0.10	4	0.01	0.12
			Sevenmile Creek	1997	1998	28,204	59,405	112	0.40	15	0.05	0.45
			Sevenmile Creek	1998	1999	25,928	54,256	123	0.47	4	0.02	0.49
	Spring Chinook	044	SF Coquille River	1989	1990	26,044	32,500	61	0.23	10	0.04	0.27
			SF Coquille River	1991	1992	12,308	13,028	2	0.02	1	0.01	0.02
Cascade/Oxbow	Coho	014	Methow River (WA)	1999	2001	25,576	26,083	1	0.00	4	0.02	0.02
			Umatilla River	1991	1993	84,078	892,678	6	0.01	172	0.20	0.21
			Umatilla River	1992	1994	81,628	884,105	38	0.05	162	0.20	0.25
			Umatilla River	1993	1995	79,300	999,554	0	0.00	49	0.06	0.06
			Umatilla River	1994	1996	79,057	1,477,383	0	0.00	42	0.05	0.05
			Umatilla River	1996	1998	79,517	1,579,736	34	0.04	167	0.21	0.25
			Umatilla River	1997	1999	80,426	1,448,552	30	0.04	180	0.22	0.26
			Umatilla River	1998	2000	78,860	1,533,960	140	0.18	591	0.75	0.93
			Umatilla River	1999	2001	79,131	1,447,161	16	0.02	132	0.17	0.19
			Umatilla River	2000	2002	79,310	1,399,358	191	0.24	339	0.43	0.67
			Yakima River (WA)	1991	1993	83,268	643,694	0	0.00	40	0.05	0.05
			Yakima River (WA)	1992	1994	78,354	710,574	71	0.09	41	0.05	0.14
			Yakima River (WA)	1993	1995	62,015	565,616	12	0.02	42	0.07	0.09
			Yakima River (WA)	1994	1996	79,406	580,379	1	0.00	64	0.08	0.08
			Yakima River (WA)	1996	1998	80,745	672,472	46	0.06	111	0.14	0.19
			Yakima River (WA)	1997	1999	52,457	451,741	70	0.13	176	0.34	0.47
	Coho	091	Umatilla River	1995	1997	24,807	438,153	16	0.06	54	0.22	0.28
Cedar Creek	Fall Chinook	047	Three Rivers	1991	1992	25,308	144,550	10	0.04	11	0.04	0.08
			Nestucca River	1992	1993	24,520	115,830	44	0.18	39	0.16	0.34
	Spring Chinook	047	Nestucca River	1991	1992	26,389	139,112	15	0.06	14	0.05	0.11
			Nestucca River	1992	1993	21,947	73,096	32	0.15	38	0.17	0.32
			Nestucca River	1993	1994	25,440	102,442	20	0.08	47	0.18	0.26
			Nestucca River	1994	1995	25,997	126,327	12	0.05	34	0.13	0.18

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Cedar Creek	Spring Chinook	047	Nestucca River	1995	1996	25,702	112,312	31	0.12	33	0.13	0.25
			Nestucca River	1996	1997	25,658	120,651	44	0.17	41	0.16	0.33
			Nestucca River	1997	1998	26,283	122,222	30	0.11	23	0.09	0.20
			Nestucca River	1998	1999	25,844	119,800	108	0.42	14	0.05	0.47
CEDC	Coho	014	Blind Slough	1993	1995	26,258	140,267	41	0.16	471	1.79	1.95
			Blind Slough	1995	1997	25,104	196,963	0	0.00	18	0.07	0.07
			Blind Slough	1996	1998	24,607	144,958	10	0.04	422	1.71	1.76
			Blind Slough	1997	1999	26,072	197,089	28	0.11	497	1.91	2.01
			Blind Slough	1998	2000	24,624	195,645	49	0.20	526	2.14	2.34
			Columbia River	1999	2001	26,494	179,187	20	0.08	5	0.02	0.09
			Tongue Point	1993	1995	26,426	130,623	66	0.25	751	2.84	3.09
			Tongue Point	1995	1997	26,174	430,221	4	0.02	135	0.52	0.53
			Tongue Point	1996	1998	18,355	119,611	37	0.20	759	4.14	4.34
			Tongue Point	1997	1999	26,269	204,143	34	0.13	387	1.47	1.60
			Tongue Point	1998	2000	24,634	228,290	112	0.45	638	2.59	3.04
			Tongue Point	1999	2001	21,854	173,199	24	0.11	6	0.03	0.14
			Tongue Point	2000	2002	23,639	178,892	321	1.36	333	1.41	2.77
			Youngs River	1991	1993	45,418	1,328,728	38	0.08	1,257	2.77	2.85
			Youngs River	1992	1994	78,614	1,128,771	303	0.39	976	1.24	1.63
			Youngs River	1993	1995	54,881	960,556	59	0.11	1,067	1.94	2.05
			Youngs River	1994	1996	54,847	1,637,863	3	0.01	241	0.44	0.44
			Youngs River	1995	1997	27,198	146,818	20	0.07	377	1.39	1.46
			Youngs River	1996	1998	55,141	559,007	66	0.12	858	1.56	1.68
			Youngs River	1997	1999	55,485	821,215	38	0.07	781	1.41	1.48
			Youngs River	1998	2000	50,640	1,043,222	75	0.15	592	1.17	1.32
			Youngs River	1999	2001	52,086	1,043,106	13	0.02	0	0.00	0.02
			Youngs River	2000	2002	73,892	1,206,039	626	0.85	1,079	1.46	2.31
	Coho	020	Blind Slough	1994	1996	24,942	209,761	7	0.03	317	1.27	1.30
			Tongue Point	1994	1996	23,942	190,032	5	0.02	211	0.88	0.90
			Tongue Point	1999	2001	25,055	482,414	9	0.04	0	0.00	0.04
			Tongue Point	2000	2002	28,068	488,866	186	0.66	286	1.02	1.68
			Youngs River	1991	1993	95,616	1,835,462	50	0.05	812	0.85	0.90
			Youngs River	1992	1994	48,790	1,046,376	69	0.14	193	0.40	0.54
			Youngs River	1993	1995	44,602	747,943	9	0.02	110	0.25	0.27
			Youngs River	1994	1996	48,378	557,526	4	0.01	656	1.36	1.36
			Youngs River	1996	1998	103,114	530,524	57	0.06	1,879	1.82	1.88

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CEDC	Coho	020	Youngs River	1997	1999	49,837	981,708	75	0.15	1,018	2.04	2.19
			Youngs River	1998	2000	21,731	476,148	32	0.15	53	0.24	0.39
			Youngs River	1999	2001	22,577	502,007	19	0.08	11	0.05	0.13
			Youngs River	2000	2002	24,632	482,657	285	1.16	86	0.35	1.51
	Coho	011	Blind Slough	1999	2001	26,969	274,257	0	0.00	0	0.00	0.00
			Blind Slough	2000	2002	26,896	315,988	98	0.36	20	0.07	0.44
			Youngs River	1994	1996	26,418	295,512	0	0.00	50	0.19	0.19
			Youngs River	1995	1997	26,598	633,310	9	0.03	163	0.61	0.65
			Youngs River	1997	1999	26,215	272,656	67	0.26	718	2.74	2.99
			Youngs River	1998	2000	26,699	272,992	112	0.42	525	1.97	2.39
	Coho	013	SF Klaskanine River	1999	2001	26,231	344,738	68	0.26	700	2.67	2.93
	Coho	015	SF Klaskanine River	1991	1993	26,817	736,929	0	0.00	170	0.63	0.63
			SF Klaskanine River	1992	1994	25,978	538,994	33	0.13	128	0.49	0.62
			SF Klaskanine River	1993	1995	23,160	433,674	13	0.06	211	0.91	0.97
			SF Klaskanine River	1994	1996	25,979	443,183	0	0.00	131	0.50	0.50
			SF Klaskanine River	1995	1997	28,284	621,932	15	0.05	473	1.67	1.73
			SF Klaskanine River	1996	1998	26,787	550,427	18	0.07	271	1.01	1.08
			SF Klaskanine River	1997	1999	19,622	429,652	10	0.05	91	0.46	0.51
			SF Klaskanine River	1998	2000	25,414	610,658	138	0.54	1,020	4.01	4.56
			SF Klaskanine River	2000	2002	24,144	583,248	417	1.73	228	0.94	2.67
			Youngs River	1991	1993	26,556	126,866	3	0.01	197	0.74	0.75
	Coho	152	Tongue Point	1998	2000	26,176	525,833	57	0.22	191	0.73	0.95
	Fall Chinook	052	Blind Slough	1995	1996	27,231	27,380	17	0.06	95	0.35	0.41
			Blind Slough	1996	1997	27,413	27,413	9	0.03	11	0.04	0.07
			Tongue Point	1995	1996	26,354	26,792	9	0.03	62	0.24	0.27
			Tongue Point	1996	1997	27,427	27,482	11	0.04	37	0.13	0.18
			Youngs River	1989	1990	50,336	127,711	328	0.65	355	0.71	1.36
			Youngs River	1991	1992	25,467	56,467	0	0.00	37	0.15	0.15
			Youngs River	1993	1994	25,351	337,915	84	0.33	214	0.84	1.18
			Youngs River	1994	1995	249,492	1,251,787	214	0.09	611	0.24	0.33
			Youngs River	1995	1996	129,605	549,248	71	0.05	410	0.32	0.37
			Youngs River	1996	1997	259,683	463,703	28	0.01	186	0.07	0.08
			Youngs River	1997	1998	116,043	117,582	83	0.07	262	0.23	0.30
			Youngs River	1998	1999	152,989	221,971	158	0.10	415	0.27	0.37
	Fall Chinook	095	Tongue Point	1995	1996	46,186	97,886	16	0.03	25	0.05	0.09
			Tongue Point	1996	1997	51,897	201,849	7	0.01	13	0.03	0.04

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Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
CEDC	Fall Chinook	095	Youngs River	1994	1995	50,608	199,088	6	0.01	3	0.01	0.02
			Youngs River	1997	1998	54,049	629,796	2	0.00	8	0.01	0.02
	Spring Chinook	019	SF Klaskanine River	1990	1991	26,472	119,627	4	0.02	1	0.00	0.02
			Youngs River	1990	1991	26,597	210,867	0	0.00	11	0.04	0.04
			Youngs River	1990	1992	22,592	31,667	19	0.08	167	0.74	0.82
			Youngs River	1994	1996	41,805	97,945	10	0.02	101	0.24	0.27
	Spring Chinook	021	SF Klaskanine River	1992	1994	24,688	109,974	2	0.01	5	0.02	0.03
			Youngs River	1992	1994	26,418	301,361	5	0.02	91	0.34	0.36
	Spring Chinook	022	Blind Slough	1995	1997	58,002	171,229	12	0.02	138	0.24	0.26
			Blind Slough	1996	1998	91,974	248,714	7	0.01	328	0.36	0.36
			Blind Slough	1997	1999	75,748	200,007	9	0.01	465	0.61	0.63
			Blind Slough	1998	2000	76,495	196,401	121	0.16	1,114	1.46	1.61
			SF Klaskanine River	1989	1990	27,491	118,674	1	0.00	9	0.03	0.04
			SF Klaskanine River	1991	1992	26,630	74,517	1	0.00	3	0.01	0.02
			SF Klaskanine River	1993	1995	51,829	86,978	0	0.00	36	0.07	0.07
			SF Klaskanine River	1995	1997	25,149	76,821	0	0.00	10	0.04	0.04
			Tongue Point	1995	1997	101,770	301,794	18	0.02	204	0.20	0.22
			Tongue Point	1996	1998	90,697	253,770	24	0.03	649	0.72	0.74
			Tongue Point	1997	1999	45,419	224,277	8	0.02	320	0.70	0.72
			Tongue Point	1998	2000	52,543	250,009	68	0.13	374	0.71	0.84
			Youngs River	1989	1990	28,688	221,790	5	0.02	23	0.08	0.10
			Youngs River	1991	1992	26,352	301,786	0	0.00	1	0.00	0.00
			Youngs River	1993	1995	144,189	363,222	89	0.06	970	0.67	0.73
			Youngs River	1995	1997	199,632	387,228	9	0.00	198	0.10	0.10
			Youngs River	1996	1998	147,404	456,282	89	0.06	2,093	1.42	1.48
			Youngs River	1997	1999	72,234	426,418	11	0.02	820	1.14	1.15
			Youngs River	1998	2000	78,803	464,650	69	0.09	397	0.50	0.59
	Spring Chinook	024	Blind Slough	1994	1996	52,369	199,389	2	0.00	59	0.11	0.12
			SF Klaskanine River	1994	1996	52,205	76,618	0	0.00	12	0.02	0.02
			Tongue Point	1994	1996	100,521	242,319	10	0.01	58	0.06	0.07
			Youngs River	1994	1996	105,422	276,493	6	0.01	121	0.11	0.12
Clackamas	Spring Chinook	019	Clackamas River	1989	1990	105,703	633,158	60	0.06	146	0.14	0.19
			Clackamas River	1989	1991	31,274	496,523	62	0.20	217	0.69	0.89
			Clackamas River	1990	1991	100,034	623,340	5	0.00	116	0.12	0.12
			Clackamas River	1990	1992	34,495	412,274	28	0.08	303	0.88	0.96
			Clackamas River	1991	1992	88,554	584,171	0	0.00	9	0.01	0.01

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Clackamas	Spring Chinook	019	Clackamas River	1991	1993	30,427	447,387	9	0.03	139	0.46	0.49
			Clackamas River	1992	1993	98,769	597,714	16	0.02	127	0.13	0.14
			Clackamas River	1992	1994	28,594	239,158	14	0.05	136	0.48	0.52
			Clackamas River	1993	1994	102,597	652,523	11	0.01	144	0.14	0.15
			Clackamas River	1993	1995	29,005	361,702	14	0.05	268	0.92	0.97
			Clackamas River	1994	1995	50,707	612,801	4	0.01	15	0.03	0.04
			Clackamas River	1994	1996	25,985	379,140	23	0.09	268	1.03	1.12
			Clackamas River	1995	1996	45,475	615,580	0	0.00	36	0.08	0.08
			Clackamas River	1995	1997	29,211	390,111	36	0.12	256	0.88	1.00
			Clackamas River	1996	1997	32,774	683,121	0	0.00	17	0.05	0.05
			Clackamas River	1996	1998	31,007	487,334	30	0.10	297	0.96	1.05
			Clackamas River	1997	1998	627,999	657,734	330	0.05	377	0.06	0.11
			Clackamas River	1997	1999	311,322	376,349	578	0.19	3,915	1.26	1.44
			Clackamas River	1998	1999	32,555	430,913	15	0.05	160	0.49	0.54
			Clackamas River	1998	2000	49,780	385,599	356	0.72	1,386	2.78	3.50
			Sandy River	1991	1993	51,764	371,484	5	0.01	34	0.07	0.08
			Sandy River	1992	1994	25,177	344,893	10	0.04	2	0.01	0.05
			Sandy River	1993	1995	23,927	459,479	15	0.06	17	0.07	0.13
			Sandy River	1994	1996	23,634	421,768	37	0.16	20	0.08	0.24
			Sandy River	1995	1997	23,280	429,117	9	0.04	20	0.09	0.12
			Sandy River	1996	1998	25,001	358,769	79	0.32	14	0.06	0.37
			Sandy River	1997	1999	460,053	468,301	453	0.10	345	0.07	0.17
			Sandy River	1998	2000	24,108	455,472	151	0.63	80	0.33	0.96
	Spring Chinook	023	Clackamas River	1998	2000	74,810	81,349	170	0.23	895	1.20	1.42
Cole Rivers	Coho	037	Noble Creek	1995	1997	26,158	70,540	4	0.02	59	0.23	0.24
	Coho	052	Rogue River	1991	1993	179,786	184,873	16	0.01	5,987	3.33	3.34
			Rogue River	1992	1994	176,247	181,877	72	0.04	8,118	4.61	4.65
			Rogue River	1993	1995	154,788	158,181	19	0.01	6,294	4.07	4.08
			Rogue River	1994	1996	201,131	204,363	54	0.03	8,110	4.03	4.06
			Rogue River	1995	1997	26,907	166,790	0	0.00	464	1.72	1.72
			Rogue River	1996	1998	27,950	187,896	4	0.01	643	2.30	2.31
			Rogue River	1997	1999	25,859	180,994	10	0.04	1,115	4.31	4.35
			Rogue River	1998	2000	26,262	146,457	13	0.05	2,037	7.76	7.81
			Rogue River	1999	2001	26,956	182,876	5	0.02	1,312	4.87	4.89
			Rogue River	2000	2002	33,560	174,744	44	0.13	993	2.96	3.09
	Fall Chinook	037	Noble Creek	1991	1992	25,335	51,946	74	0.29	83	0.33	0.62

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Cole Rivers	Fall Chinook	037	Noble Creek	1992	1993	26,724	50,835	56	0.21	263	0.98	1.19
			Morgan Creek	1993	1994	26,153	92,850	107	0.41	39	0.15	0.56
			Morgan Creek	1994	1995	26,045	103,534	39	0.15	20	0.08	0.23
			Morgan Creek	1995	1996	23,556	94,405	33	0.14	38	0.16	0.30
			Morgan Creek	1996	1997	24,059	98,963	32	0.13	48	0.20	0.33
	Spring Chinook	052	Rogue River	1989	1990	88,430	421,296	138	0.16	448	0.51	0.66
			Rogue River	1990	1991	61,577	752,646	202	0.33	297	0.48	0.81
			Rogue River	1991	1992	92,255	94,958	529	0.57	2,427	2.63	3.20
			Rogue River	1992	1993	88,737	471,113	497	0.56	1,547	1.74	2.30
			Rogue River	1993	1994	92,615	93,690	324	0.35	1,610	1.74	2.09
			Rogue River	1994	1995	89,986	768,604	58	0.06	247	0.27	0.34
			Rogue River	1995	1996	91,337	724,913	66	0.07	1,126	1.23	1.31
			Rogue River	1996	1997	91,854	1,525,838	41	0.04	264	0.29	0.33
			Rogue River	1997	1998	93,723	1,499,392	270	0.29	1,673	1.79	2.07
			Rogue River	1998	1999	94,821	1,355,456	341	0.36	1,674	1.77	2.13
Elk River	Fall Chinook	096	Chetco River	1989	1990	78,429	474,067	130	0.17	59	0.08	0.24
			Chetco River	1990	1991	76,396	393,953	167	0.22	26	0.03	0.25
			Chetco River	1991	1992	46,217	389,509	178	0.39	43	0.09	0.48
			Chetco River	1992	1993	24,669	357,829	189	0.77	34	0.14	0.90
			Chetco River	1993	1994	25,933	330,254	104	0.40	14	0.05	0.46
			Chetco River	1994	1995	24,971	165,717	82	0.33	6	0.02	0.35
			Chetco River	1995	1996	24,109	226,309	51	0.21	6	0.02	0.24
			Chetco River	1996	1997	25,050	233,621	7	0.03	1	0.00	0.03
			Chetco River	1997	1998	26,994	158,208	95	0.35	14	0.05	0.40
			Chetco River	1998	1999	24,594	164,741	22	0.09	0	0.00	0.09
	Fall Chinook	035	Elk River	1989	1990	25,861	334,809	188	0.73	229	0.89	1.61
			Elk River	1990	1991	201,111	218,834	539	0.27	743	0.37	0.64
			Elk River	1991	1992	169,875	220,792	338	0.20	643	0.38	0.58
			Elk River	1992	1993	200,586	220,915	1,351	0.67	1,196	0.60	1.27
			Elk River	1993	1994	210,634	328,600	2,429	1.15	2,202	1.05	2.20
			Elk River	1994	1995	194,243	325,889	1,072	0.55	1,288	0.66	1.21
			Elk River	1995	1996	174,479	321,567	1,487	0.85	2,456	1.41	2.26
			Elk River	1996	1997	175,967	322,931	306	0.17	433	0.25	0.42
			Elk River	1997	1998	189,194	328,270	2,994	1.58	3,466	1.83	3.41
			Elk River	1998	1999	193,648	350,870	2,789	1.44	2,190	1.13	2.57
	Fall Chinook	008	Hunter Creek	1992	1993	19,182	21,357	361	1.88	29	0.15	2.03

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Elk River	Fall Chinook	008	Hunter Creek	1993	1994	25,340	26,867	130	0.51	17	0.07	0.58
			Hunter Creek	1994	1995	23,918	26,944	73	0.31	14	0.06	0.36
			Hunter Creek	1995	1996	21,288	24,115	37	0.17	8	0.04	0.21
	Fall Chinook	017	Pistol River	1991	1992	21,967	22,273	141	0.64	19	0.09	0.73
			Pistol River	1992	1993	18,877	19,480	294	1.56	38	0.20	1.76
			Pistol River	1993	1994	25,368	35,734	103	0.41	15	0.06	0.47
			Pistol River	1994	1995	5,166	6,343	8	0.15	1	0.02	0.17
	Fall Chinook	007	Winchuck River	1991	1992	21,731	22,375	138	0.64	20	0.09	0.73
			Winchuck River	1992	1993	9,021	9,537	68	0.75	10	0.11	0.86
Fall Creek	Coho	043	Fall Creek	1991	1993	105,725	941,305	4	0.00	238	0.23	0.23
			Fall Creek	1992	1994	104,638	928,701	26	0.02	331	0.32	0.34
			Fall Creek	1993	1995	107,971	1,046,459	18	0.02	257	0.24	0.25
			Fall Creek	1994	1996	105,456	2,073,340	7	0.01	29	0.03	0.03
			Fall Creek	1995	1997	111,403	947,865	22	0.02	643	0.58	0.60
			Fall Creek	1996	1998	54,252	178,589	5	0.01	156	0.29	0.30
	Coho	043W	Fall Creek	1991	1993	7,795	8,197	4	0.05	4	0.05	0.10
			Fall Creek	1992	1994	43,889	93,370	3	0.01	32	0.07	0.08
	Fall Chinook	043	Fall Creek	1991	1992	21,100	101,587	20	0.09	25	0.12	0.21
			Fall Creek	1992	1993	23,089	103,583	67	0.29	78	0.34	0.63
			Fall Creek	1994	1995	24,562	103,214	62	0.25	18	0.07	0.33
			Fall Creek	1995	1996	29,121	100,278	130	0.45	96	0.33	0.78
	Coho	105	Siuslaw River	1991	1993	25,013	54,782	0	0.00	15	0.06	0.06
			Siuslaw River	1992	1994	24,585	51,319	21	0.09	15	0.06	0.15
			Siuslaw River	1993	1995	25,273	54,407	0	0.00	1	0.00	0.00
			Siuslaw River	1994	1996	25,091	48,758	0	0.00	0	0.00	0.00
	Coho	038	Siuslaw River	1995	1997	29,181	45,670	0	0.00	0	0.00	0.00
Gardiner Creek	Coho	055	Gardiner Creek	1991	1993	12,140	12,201	5	0.04	20	0.16	0.21
	Coho	151	Gardiner Creek	1994	1996	10,336	10,438	7	0.07	38	0.37	0.44
			Gardiner Creek	1995	1997	12,674	12,674	3	0.02	64	0.50	0.53
	Fall Chinook	018	Gardiner Creek	1995	1996	31,239	31,549	64	0.20	16	0.05	0.26
			Winchester Bay	1995	1996	48,758	49,240	323	0.66	88	0.18	0.84
			Gardiner Creek	1996	1997	13,901	14,127	21	0.15	1	0.01	0.16
			Winchester Bay	1996	1997	71,372	72,978	36	0.05	53	0.07	0.12
			Winchester Bay	1997	1998	24,617	75,381	112	0.45	27	0.11	0.56
			Winchester Bay	1998	1999	38,632	38,632	425	1.10	45	0.12	1.22
Gnat Creek	Coho	014	Umatilla River	1995	1997	26,822	853,688	11	0.04	121	0.45	0.49

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Hunter Creek	Fall Chinook	008	Hunter Creek	1989	1990	17,460	17,460	27	0.15	4	0.02	0.18
Indian Creek Pond	Fall Chinook	061	Lobster Creek	1989	1990	27,025	27,278	0	0.00	0	0.00	0.00
			Indian Creek	1989	1990	26,908	42,996	30	0.11	13	0.05	0.16
			Rogue River	1991	1992	25,476	30,240	198	0.78	74	0.29	1.07
			Rogue River	1992	1993	13,638	14,236	131	0.96	65	0.48	1.44
			Rogue River	1993	1994	27,081	28,855	87	0.32	48	0.18	0.50
			Rogue River	1994	1995	22,910	53,817	20	0.09	54	0.24	0.32
			Rogue River	1995	1996	24,037	39,546	20	0.08	80	0.33	0.42
			Rogue River	1996	1997	31,633	71,144	26	0.08	39	0.12	0.21
			Rogue River	1997	1998	71,100	74,167	424	0.60	707	0.99	1.59
			Rogue River	1998	1999	62,948	68,065	206	0.33	195	0.31	0.64
Irrigon	Fall Chinook	045	Umatilla River	1989	1990	295,896	541,809	161	0.05	274	0.09	0.15
			Umatilla River	1990	1991	503,151	3,245,751	448	0.09	586	0.12	0.21
	Spring Chinook	029	Imnaha River	1998	2000	16,108	17,585	0	0.00	100	0.62	0.62
	Spring Chinook	085	Lookingglass Creek	1998	1999	57,290	57,290	0	0.00	27	0.05	0.05
	Summer Steelhead	029	Little Sheep Creek	1990	1991	94,390	243,008	0	0.00	831	0.88	0.88
			Little Sheep Creek	1991	1992	105,670	248,787	1	0.00	8	0.01	0.01
			Little Sheep Creek	1992	1993	95,126	286,716	1	0.00	215	0.23	0.23
			Little Sheep Creek	1993	1994	95,621	300,775	0	0.00	172	0.18	0.18
			Little Sheep Creek	1994	1995	108,595	287,836	0	0.00	426	0.39	0.39
			Little Sheep Creek	1995	1996	105,711	322,146	0	0.00	268	0.25	0.25
			Little Sheep Creek	1996	1997	54,245	208,936	0	0.00	137	0.25	0.25
			Little Sheep Creek	1997	1998	78,428	86,479	0	0.00	322	0.41	0.41
			Little Sheep Creek	1998	1999	76,486	334,672	0	0.00	309	0.40	0.40
			Little Sheep Creek	1999	1999	59,976	59,976	0	0.00	2	0.00	0.00
			Little Sheep Creek	1999	2000	74,333	228,088	0	0.00	437	0.59	0.59
	Summer Steelhead	056	Big Canyon Creek	1990	1991	104,990	274,274	3	0.00	898	0.86	0.86
			Big Canyon Creek	1991	1992	104,867	298,732	0	0.00	90	0.09	0.09
			Big Canyon Creek	1992	1993	99,210	275,525	2	0.00	368	0.37	0.37
			Big Canyon Creek	1993	1994	99,086	155,754	0	0.00	760	0.77	0.77
			Big Canyon Creek	1994	1995	104,795	278,778	0	0.00	609	0.58	0.58
			Big Canyon Creek	1995	1996	104,577	273,807	0	0.00	687	0.66	0.66
			Big Canyon Creek	1996	1997	133,335	217,135	0	0.00	315	0.24	0.24
			Big Canyon Creek	1997	1998	105,517	362,140	0	0.00	454	0.43	0.43
			Big Canyon Creek	1998	1999	102,295	447,375	0	0.00	553	0.54	0.54
			Big Canyon Creek	1999	2000	97,108	313,704	0	0.00	810	0.83	0.83

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Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Irrigon	Summer Steelhead	056	Spring Creek	1990	1991	111,439	236,513	4	0.00	1,240	1.11	1.12
			Spring Creek	1991	1992	50,507	496,805	0	0.00	39	0.08	0.08
			Spring Creek	1992	1993	51,501	495,164	0	0.00	137	0.27	0.27
			Spring Creek	1993	1994	54,881	494,342	0	0.00	403	0.73	0.73
			Spring Creek	1994	1995	53,273	495,137	0	0.00	234	0.44	0.44
			Spring Creek	1995	1996	54,066	494,481	0	0.00	310	0.57	0.57
			Spring Creek	1996	1997	104,233	680,482	0	0.00	201	0.19	0.19
			Spring Creek	1997	1998	100,755	715,797	0	0.00	417	0.41	0.41
			Spring Creek	1998	1999	103,467	661,895	0	0.00	407	0.39	0.39
			Spring Creek	1999	2000	95,832	576,205	2	0.00	706	0.74	0.74
Jack Creek	Fall Chinook	096	Jack Creek	1989	1990	27,487	31,255	27	0.10	1	0.00	0.10
			Jack Creek	1990	1991	23,514	24,665	207	0.88	44	0.19	1.07
Klaskanine	Coho	015	NF Klaskanine River	1991	1993	25,977	848,853	10	0.04	74	0.28	0.32
			NF Klaskanine River	1992	1994	26,574	831,887	15	0.06	69	0.26	0.32
			NF Klaskanine River	1994	1996	24,974	837,355	6	0.02	124	0.50	0.52
	Coho	014	Umatilla River	1995	1997	29,717	73,222	0	0.00	11	0.04	0.04
	Coho	114	NF Klaskanine River	1993	1995	26,279	1,201,313	13	0.05	122	0.46	0.51
	Fall Chinook	052	NF Klaskanine River	1995	1996	25,322	26,178	7	0.03	44	0.17	0.20
			NF Klaskanine River	1996	1997	37,401	603,960	15	0.04	127	0.34	0.38
			NF Klaskanine River	1997	1998	53,272	661,977	76	0.14	235	0.44	0.58
			NF Klaskanine River	1998	1999	51,101	703,200	184	0.36	283	0.55	0.91
Lookingglass	Spring Chinook	029	Imnaha River	1989	1991	167,990	267,670	0	0.00	198	0.12	0.12
			Imnaha River	1990	1992	259,377	262,500	0	0.00	52	0.02	0.02
			Imnaha River	1991	1993	156,886	157,659	0	0.00	10	0.01	0.01
			Imnaha River	1992	1994	421,847	438,617	0	0.00	34	0.01	0.01
			Imnaha River	1993	1995	386,120	394,304	3	0.00	288	0.07	0.08
			Imnaha River	1994	1996	89,265	91,240	0	0.00	18	0.02	0.02
			Imnaha River	1995	1997	49,663	50,912	0	0.00	173	0.35	0.35
			Imnaha River	1996	1998	86,932	93,128	0	0.00	369	0.42	0.42
			Imnaha River	1997	1999	177,120	194,936	7	0.00	591	0.33	0.34
			Imnaha River	1998	2000	156,174	162,403	11	0.01	742	0.48	0.48
	Spring Chinook	80W	Grande Ronde River	1998	2000	1,508	1,508	0	0.00	1	0.07	0.07
	Spring Chinook	081	Lookingglass Creek	1997	1999	295,766	312,145	0	0.00	764	0.26	0.26
	Spring Chinook	085	Lookingglass Creek	1989	1991	171,712	331,634	0	0.00	178	0.10	0.10
			Lookingglass Creek	1990	1992	167,115	950,868	0	0.00	71	0.04	0.04
			Lookingglass Creek	1991	1993	446,248	448,219	0	0.00	131	0.03	0.03

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Lookingglass	Spring Chinook	085	Lookingglass Creek	1992	1994	739,180	765,123	0	0.00	685	0.09	0.09
			Lookingglass Creek	1993	1995	630,618	658,230	8	0.00	585	0.09	0.09
			Lookingglass Creek	1994	1996	134,812	139,112	0	0.00	58	0.04	0.04
			Lookingglass Creek	1995	1997	176,276	184,357	0	0.00	588	0.33	0.33
			Lookingglass Creek	1996	1998	279,673	302,148	0	0.00	683	0.24	0.24
			Snake River	1992	1994	79,382	84,051	0	0.00	0	0.00	0.00
	Spring Chinook	200W	Lostine River	1997	1999	11,179	11,870	0	0.00	46	0.41	0.41
			Lostine River	1998	2000	34,783	11,438	0	0.00	119	0.34	0.34
	Spring Chinook	201W	Catherine Creek	1998	2000	36,709	37,647	0	0.00	160	0.44	0.44
Marion Forks	Spring Chinook	021	Santiam River	1989	1991	31,683	524,341	25	0.08	161	0.51	0.59
			Santiam River	1990	1992	34,835	553,887	10	0.03	49	0.14	0.17
			Santiam River	1991	1993	71,502	444,917	12	0.02	47	0.07	0.08
			Santiam River	1992	1994	28,469	489,825	25	0.09	15	0.05	0.14
			Santiam River	1993	1995	30,780	665,684	14	0.05	61	0.20	0.24
			Santiam River	1994	1996	25,687	699,402	7	0.03	67	0.26	0.29
			Santiam River	1995	1997	33,195	696,435	19	0.06	113	0.34	0.40
			Santiam River	1996	1998	652,585	725,100	393	0.06	4,307	0.66	0.72
			Santiam River	1997	1999	582,329	597,543	351	0.06	3,697	0.63	0.70
			Santiam River	1998	2000	30,402	666,244	182	0.60	223	0.73	1.33
McKenzie	Spring Chinook	019	Clackamas River	1994	1996	158,469	159,987	4	0.00	35	0.02	0.02
	Spring Chinook	022	Clackamas River	1995	1997	55,525	73,577	2	0.00	35	0.06	0.07
	Spring Chinook	023	Clackamas River	1995	1996	178,135	183,603	21	0.01	259	0.15	0.16
			Clackamas River	1995	1997	60,290	71,392	0	0.00	5	0.01	0.01
			Clackamas River	1996	1998	222,466	244,402	84	0.04	602	0.27	0.31
			Clackamas River	1997	1999	77,537	78,504	16	0.02	129	0.17	0.19
			Clackamas River	1998	2000	151,519	162,391	222	0.15	1,163	0.77	0.91
			McKenzie River	1989	1990	51,078	190,968	19	0.04	73	0.14	0.18
			McKenzie River	1989	1991	34,563	670,045	31	0.09	101	0.29	0.38
			McKenzie River	1990	1991	49,264	236,504	9	0.02	160	0.32	0.34
			McKenzie River	1990	1992	93,981	786,057	3	0.00	50	0.05	0.06
			McKenzie River	1991	1992	30,724	228,440	10	0.03	29	0.09	0.13
			McKenzie River	1991	1993	92,937	576,902	54	0.06	140	0.15	0.21
			McKenzie River	1992	1994	678,222	732,635	51	0.01	1,151	0.17	0.18
			McKenzie River	1993	1995	82,684	480,183	13	0.02	146	0.18	0.19
			McKenzie River	1994	1996	85,033	592,237	18	0.02	171	0.20	0.22
			McKenzie River	1995	1997	160,873	953,885	26	0.02	493	0.31	0.32

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
McKenzie	Spring Chinook	023	McKenzie River	1996	1997	258,600	266,907	72	0.03	507	0.20	0.22
			McKenzie River	1996	1998	569,128	621,221	299	0.05	3,874	0.68	0.73
			McKenzie River	1997	1998	241,943	250,639	32	0.01	416	0.17	0.19
			McKenzie River	1997	1999	626,580	675,142	187	0.03	4,157	0.66	0.69
			McKenzie River	1998	1999	28,695	246,362	14	0.05	240	0.84	0.89
			McKenzie River	1998	2000	119,854	701,760	247	0.21	1,202	1.00	1.21
			Mohawk River	1996	1998	35,455	42,301	4	0.01	117	0.33	0.34
			Willamette River	1992	1994	178,065	256,547	17	0.01	29	0.02	0.03
			Willamette River	1993	1994	169,897	179,740	36	0.02	128	0.08	0.10
			Willamette River	1993	1995	99,221	214,054	4	0.00	38	0.04	0.04
			Willamette River	1994	1995	118,379	124,049	28	0.02	66	0.06	0.08
			Willamette River	1995	1997	58,888	84,787	4	0.01	27	0.05	0.05
			Willamette River	1996	1997	122,913	126,512	32	0.03	199	0.16	0.19
			Willamette River	1996	1998	66,933	76,958	14	0.02	68	0.10	0.12
			Willamette River	1997	1998	110,937	120,290	0	0.00	65	0.06	0.06
			Willamette River	1997	1999	233,892	245,706	10	0.00	66	0.03	0.03
			Willamette River	1998	1999	113,241	122,182	70	0.06	510	0.45	0.51
			Willamette River	1998	2000	73,816	81,271	25	0.03	78	0.11	0.14
	Spring Chinook	024	Molalla River	1995	1997	19,881	63,890	2	0.01	6	0.03	0.04
Nehalem	Coho	032	NF Nehalem River	1991	1993	54,424	695,465	6	0.01	216	0.40	0.41
			NF Nehalem River	1992	1994	52,317	839,514	29	0.06	152	0.29	0.35
			NF Nehalem River	1994	1996	51,705	636,519	10	0.02	198	0.38	0.40
			NF Nehalem River	1995	1997	51,173	576,156	6	0.01	144	0.28	0.29
			NF Nehalem River	1997	1999	53,059	160,758	9	0.02	129	0.24	0.26
			NF Nehalem River	1998	1998	51,817	157,466	81	0.16	1,440	2.78	2.94
			NF Nehalem River	2000	2002	47,686	153,751	128	0.27	317	0.66	0.93
	Coho	099	NF Nehalem River	1993	1995	53,382	789,983	35	0.07	231	0.43	0.50
			NF Nehalem River	1996	1998	49,044	140,729	23	0.05	519	1.06	1.11
			NF Nehalem River	1999	2001	49,420	153,669	105	0.21	727	1.47	1.68
	Fall Chinook	034	Necanicum River	1997	1998	27,582	27,900	137	0.50	7	0.03	0.52
			Necanicum River	1998	1999	25,640	26,995	131	0.51	7	0.03	0.54
Noble Creek	Coho	037	Noble Creek	1993	1995	23,877	70,871	12	0.05	46	0.19	0.24
			Noble Creek	1994	1996	25,348	65,298	3	0.01	39	0.15	0.17
			Noble Creek	1996	1998	26,861	73,799	6	0.02	64	0.24	0.26
			Noble Creek	1997	1999	25,624	118,648	4	0.02	32	0.12	0.14
			Noble Creek	1998	2000	28,133	122,350	10	0.04	275	0.98	1.01

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Noble Creek	Coho	037	Noble Creek	1999	2001	26,343	119,024	28	0.11	302	1.15	1.25
			Noble Creek	2000	2002	28,893	126,617	84	0.29	423	1.46	1.75
	Fall Chinook	037	Noble Creek	1989	1990	52,328	272,125	54	0.10	45	0.09	0.19
			Noble Creek	1992	1993	52,672	52,848	45	0.09	206	0.39	0.48
			Noble Creek	1993	1994	55,429	516,882	52	0.09	102	0.18	0.28
			Noble Creek	1994	1995	50,812	394,655	31	0.06	40	0.08	0.14
			Noble Creek	1995	1996	53,620	399,167	22	0.04	131	0.24	0.29
			Noble Creek	1996	1997	53,725	409,066	14	0.03	52	0.10	0.12
			Noble Creek	1997	1998	54,163	425,100	67	0.12	228	0.42	0.54
			Noble Creek	1998	1999	53,453	397,075	138	0.26	344	0.64	0.90
Oak Springs	Summer Steelhead	091	Meacham Creek	1990	1991	57,825	59,547	0	0.00	468	0.81	0.81
	Winter Steelhead	050	EF Hood River	1993	1994	25,253	26,018	0	0.00	90	0.36	0.36
			EF Hood River	1994	1995	39,072	42,898	0	0.00	148	0.38	0.38
			EF Hood River	1995	1996	50,087	50,866	0	0.00	39	0.08	0.08
			EF Hood River	1999	2000	20,951	30,452	0	0.00	99	0.47	0.47
			MF Hood River	1999	2000	20,178	32,703	0	0.00	51	0.25	0.25
Pistol River	Fall Chinook	017	Pistol River	1989	1990	23,817	29,524	155	0.65	29	0.12	0.77
Priorli Creek	Fall Chinook	037	Morgan Creek	1990	1991	79,006	252,870	116	0.15	79	0.10	0.25
			Morgan Creek	1997	1998	24,943	103,618	49	0.20	104	0.42	0.61
			Morgan Creek	1998	1999	25,343	91,496	121	0.48	130	0.51	0.99
Rock Creek	Coho	055	Rock Creek	1991	1993	51,030	153,601	14	0.03	304	0.60	0.62
			Rock Creek	1992	1994	53,951	149,140	26	0.05	191	0.35	0.40
			Rock Creek	1993	1995	50,632	132,493	18	0.04	69	0.14	0.17
			Rock Creek	1994	1996	48,720	153,818	17	0.03	126	0.26	0.29
			Rock Creek	1995	1997	49,630	104,773	16	0.03	231	0.47	0.50
			Rock Creek	1996	1998	54,392	143,565	47	0.09	282	0.52	0.60
			Rock Creek	1997	1999	56,502	114,138	129	0.23	158	0.28	0.51
			Rock Creek	1998	2000	49,296	117,703	136	0.28	120	0.24	0.52
			Rock Creek	1999	2001	24,929	50,219	24	0.10	7	0.03	0.12
			Rock Creek	2000	2002	28,954	60,658	258	0.89	89	0.31	1.20
	Coho	018	Rock Creek	2000	2002	28,680	54,520	209	0.73	74	0.26	0.99
	Fall Chinook	018	Umpqua River	1991	1992	23,457	91,713	34	0.14	3	0.01	0.16
			Umpqua River	1992	1993	23,743	103,539	99	0.42	1	0.00	0.42
			Umpqua River	1993	1994	25,593	75,662	96	0.38	2	0.01	0.38
			Umpqua River	1994	1995	24,598	51,920	67	0.27	13	0.05	0.33
			Umpqua River	1995	1996	80,680	84,739	225	0.28	40	0.05	0.33

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Rock Creek	Fall Chinook	018	SF Umpqua River	1989	1990	54,124	60,000	30	0.06	1	0.00	0.06
			SF Umpqua River	1990	1991	59,954	72,619	0	0.00	0	0.00	0.00
			SF Umpqua River	1991	1992	43,321	98,330	0	0.00	0	0.00	0.00
			SF Umpqua River	1992	1993	25,753	26,050	12	0.05	6	0.02	0.07
			SF Umpqua River	1993	1994	25,741	129,898	2	0.01	0	0.00	0.01
			SF Umpqua River	1994	1995	25,692	200,612	0	0.00	2	0.01	0.01
	Spring Chinook	055	Rock Creek	1989	1990	26,238	156,465	15	0.06	2	0.01	0.06
			Rock Creek	1989	1991	26,927	153,391	189	0.70	46	0.17	0.87
			Rock Creek	1990	1991	20,146	162,318	30	0.15	9	0.04	0.19
			Rock Creek	1990	1992	22,579	165,633	80	0.35	14	0.06	0.42
			Rock Creek	1991	1992	25,495	149,643	0	0.00	0	0.00	0.00
			Rock Creek	1991	1993	20,432	148,134	11	0.05	4	0.02	0.07
			Rock Creek	1992	1993	24,502	155,003	13	0.05	2	0.01	0.06
			Rock Creek	1992	1994	24,170	147,185	229	0.95	9	0.04	0.98
			Rock Creek	1993	1994	25,150	67,539	37	0.15	2	0.01	0.16
			Rock Creek	1993	1995	24,029	235,551	106	0.44	5	0.02	0.46
			Rock Creek	1994	1995	25,512	66,477	14	0.05	3	0.01	0.07
			Rock Creek	1994	1996	25,240	232,367	87	0.34	7	0.03	0.37
			Rock Creek	1995	1996	25,849	73,826	9	0.03	1	0.00	0.04
			Rock Creek	1995	1997	25,360	234,644	29	0.11	5	0.02	0.13
			Rock Creek	1996	1997	23,652	100,352	28	0.12	12	0.05	0.17
			Rock Creek	1996	1998	23,538	147,308	63	0.27	56	0.24	0.51
			Rock Creek	1997	1998	24,965	151,050	74	0.30	19	0.08	0.37
			Rock Creek	1997	1999	26,526	27,710	195	0.74	21	0.08	0.81
			Rock Creek	1998	1999	27,340	148,656	121	0.44	0	0.00	0.44
	Spring Chinook	055	SF Umpqua	1989	1990	74,166	76,459	0	0.00	0	0.00	0.00
			SF Umpqua	1990	1991	29,154	86,867	1	0.00	0	0.00	0.00
			SF Umpqua	1991	1992	64,980	79,121	0	0.00	1	0.00	0.00
			SF Umpqua	1992	1993	81,984	84,825	4	0.00	4	0.00	0.01
Round Butte	Spring Chinook	050	MF Hood River	1997	1999	29,635	30,409	0	0.00	101	0.34	0.34
			WF Hood River	1997	1999	83,229	91,010	0	0.00	310	0.37	0.37
	Spring Chinook	066	Deschutes River	1989	1991	120,207	270,891	0	0.00	976	0.81	0.81
			Deschutes River	1990	1992	118,920	270,779	0	0.00	322	0.27	0.27
			Deschutes River	1991	1993	230,048	235,906	0	0.00	734	0.32	0.32
			Deschutes River	1992	1994	232,724	237,569	2	0.00	1,083	0.47	0.47
			Deschutes River	1993	1995	230,632	239,219	2	0.00	229	0.10	0.10

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Round Butte	Spring Chinook	066	Deschutes River	1994	1996	320,496	333,466	0	0.00	274	0.09	0.09
			Deschutes River	1995	1997	316,186	320,694	3	0.00	962	0.30	0.31
			Deschutes River	1996	1998	316,690	332,236	3	0.00	559	0.18	0.18
			Deschutes River	1997	1999	299,091	304,321	8	0.00	2,800	0.94	0.94
			Deschutes River	1998	2000	294,231	298,110	34	0.01	5,674	1.93	1.94
			WF Hood River	1991	1993	28,133	28,810	0	0.00	0	0.00	0.00
			WF Hood River	1994	1996	121,296	127,156	0	0.00	8	0.01	0.01
			WF Hood River	1995	1997	99,493	102,472	0	0.00	29	0.03	0.03
			WF Hood River	1996	1998	121,119	126,659	0	0.00	1	0.00	0.00
			WF Hood River	1997	1999	83,229	91,010	0	0.00	310	0.37	0.37
			WF Hood River	1998	2000	100,197	102,769	9	0.01	599	0.60	0.61
			MF Hood River	1997	1999	29,635	30,409	0	0.00	101	0.34	0.34
			MF Hood River	1998	2000	34,415	34,628	3	0.01	167	0.49	0.49
Salmon River	Coho	036	Salmon River	1991	1993	25,548	405,164	10	0.04	70	0.27	0.31
			Salmon River	1992	1994	19,553	403,118	11	0.06	38	0.19	0.25
			Salmon River	1993	1995	25,050	316,281	10	0.04	91	0.36	0.40
			Salmon River	1994	1996	25,993	322,200	0	0.00	60	0.23	0.23
			Salmon River	1995	1997	21,356	200,206	8	0.04	119	0.56	0.59
			Salmon River	1996	1998	24,902	118,361	15	0.06	170	0.68	0.74
	Coho	033	Rock Creek	1991	1993	24,852	371,014	4	0.02	45	0.18	0.20
			Siletz River	1991	1993	25,560	374,192	3	0.01	5	0.02	0.03
			Rock Creek	1992	1994	49,464	820,830	1	0.00	41	0.08	0.08
			Rock Creek	1993	1995	25,878	312,144	5	0.02	23	0.09	0.11
			Salmon River	1996	1998	27,857	274,660	18	0.06	209	0.75	0.81
			Salmon River	1997	1999	25,694	85,402	11	0.04	57	0.22	0.26
			Salmon River	1998	2000	9,318	9,626	9	0.10	164	1.76	1.86
			Salmon River	1999	2001	24,146	173,834	18	0.07	292	1.21	1.28
			Salmon River	2000	2002	24,880	167,800	208	0.84	227	0.91	1.75
			Yaquina River	1993	1995	25,432	306,402	17	0.07	259	1.02	1.09
			Yaquina River	1994	1996	40,936	539,381	8	0.02	177	0.43	0.45
			Yaquina River	1995	1997	40,309	410,543	16	0.04	192	0.48	0.52
	Fall Chinook	036	Salmon River	1989	1990	211,483	211,483	1,173	0.55	2,624	1.24	1.80
			Salmon River	1990	1991	184,109	195,786	1,565	0.85	4,349	2.36	3.21
			Salmon River	1991	1992	184,912	193,184	206	0.11	422	0.23	0.34
			Salmon River	1992	1993	169,353	205,175	461	0.27	2,196	1.30	1.57
			Salmon River	1993	1994	184,054	206,574	1,541	0.84	4,344	2.36	3.20

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Salmon River	Fall Chinook	036	Salmon River	1994	1995	172,256	205,215	639	0.37	1,492	0.87	1.24
			Salmon River	1995	1996	171,301	186,780	269	0.16	861	0.50	0.66
			Salmon River	1996	1997	194,096	203,986	343	0.18	1,269	0.65	0.83
			Salmon River	1997	1998	179,888	205,489	1,084	0.60	3,446	1.92	2.52
			Salmon River	1998	1999	190,423	198,979	1,060	0.56	2,361	1.24	1.80
	Fall Chinook	146W	Yaquina River	1998	1999	26,032	93,980	152	0.58	15	0.06	0.64
Sandy	Coho	011	Cedar Cr (Sandy R)	1991	1993	217,454	1,022,951	143	0.07	1,872	0.86	0.93
			Cedar Cr (Sandy R)	1992	1994	188,044	917,334	284	0.15	602	0.32	0.47
			Cedar Cr (Sandy R)	1993	1995	107,572	112,610	32	0.03	320	0.30	0.33
			Cedar Cr (Sandy R)	1994	1996	220,654	668,951	21	0.01	602	0.27	0.28
			Cedar Cr (Sandy R)	1995	1997	130,377	670,670	46	0.04	1,011	0.78	0.81
			Cedar Cr (Sandy R)	1996	1998	59,021	255,602	37	0.06	235	0.40	0.46
			Cedar Cr (Sandy R)	1997	1999	54,143	597,760	130	0.24	860	1.59	1.83
			Cedar Cr (Sandy R)	1998	2000	52,745	734,546	344	0.65	1,863	3.53	4.18
			Cedar Cr (Sandy R)	1999	2001	123,533	690,977	517	0.42	1,441	1.17	1.59
			Cedar Cr (Sandy R)	2000	2002	54,522	834,734	595	1.09	849	1.56	2.65
			Klickitat River (WA)	1995	1997	30,918	273,896	3	0.01	7	0.02	0.03
Sevenmile	Fall Chinook	044	Sevenmile Creek	1992	1993	25,714	53,723	59	0.23	4	0.02	0.25
South Santiam	Spring Chinook	024	SF Santiam River	1989	1990	127,939	402,459	181	0.14	586	0.46	0.60
			SF Santiam River	1989	1991	225,787	699,798	412	0.18	1,436	0.64	0.82
			SF Santiam River	1990	1991	158,403	478,559	118	0.07	1,421	0.90	0.97
			SF Santiam River	1990	1992	255,355	775,179	6	0.00	145	0.06	0.06
			SF Santiam River	1991	1992	162,055	499,788	47	0.03	279	0.17	0.20
			SF Santiam River	1991	1993	244,710	791,773	130	0.05	944	0.39	0.44
			SF Santiam River	1992	1993	50,833	482,862	11	0.02	100	0.20	0.22
			SF Santiam River	1992	1994	54,156	462,431	8	0.01	67	0.12	0.14
			SF Santiam River	1993	1994	47,628	217,625	8	0.02	37	0.08	0.09
			SF Santiam River	1993	1995	62,764	701,613	16	0.03	212	0.34	0.36
			SF Santiam River	1994	1995	50,366	377,611	1	0.00	23	0.05	0.05
			SF Santiam River	1994	1996	60,646	704,816	41	0.07	261	0.43	0.50
			SF Santiam River	1995	1996	50,011	214,098	4	0.01	34	0.07	0.08
			SF Santiam River	1995	1997	55,003	432,577	54	0.10	345	0.63	0.73
			SF Santiam River	1996	1997	52,336	299,569	6	0.01	142	0.27	0.28
			SF Santiam River	1996	1998	60,777	679,318	43	0.07	238	0.39	0.46
			SF Santiam River	1997	1998	283,842	304,596	26	0.01	387	0.14	0.15
			SF Santiam River	1997	1999	688,952	712,475	428	0.06	3,797	0.55	0.61

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
South Santiam	Spring Chinook	024	SF Santiam River	1998	1999	49,061	302,660	26	0.05	212	0.43	0.49
			SF Santiam River	1998	2000	54,356	571,786	144	0.26	679	1.25	1.51
Stayton Pond	Fall Chinook	014	Santiam River	1992	1993	51,429	1,254,750	0	0.00	0	0.00	0.00
			Santiam River	1993	1994	46,981	1,402,112	0	0.00	1	0.00	0.00
			Santiam River	1994	1995	53,689	54,086	18	0.03	18	0.03	0.07
			Tanner Creek	1992	1993	55,442	56,442	0	0.00	0	0.00	0.00
			Tanner Creek	1993	1994	53,383	55,057	0	0.00	23	0.04	0.04
			Tanner Creek	1994	1995	52,482	52,935	17	0.03	51	0.10	0.13
			Willamette River	1989	1990	234,784	5,869,652	843	0.36	748	0.32	0.68
			Willamette River	1990	1991	196,187	9,516,779	151	0.08	155	0.08	0.16
			Willamette River	1991	1992	196,429	10,092,295	4	0.00	6	0.00	0.01
			Willamette River	1992	1993	206,306	5,031,540	3	0.00	1	0.00	0.00
			Willamette River	1993	1994	194,519	5,844,119	4	0.00	30	0.02	0.02
			Willamette River	1994	1995	206,717	10,667,979	44	0.02	85	0.04	0.06
Trask	Coho	034	Trask River	1991	1993	53,601	408,218	4	0.01	244	0.46	0.46
			Trask River	1992	1994	50,579	407,548	48	0.09	376	0.74	0.84
			Trask River	1993	1995	214,790	216,610	27	0.01	1,103	0.51	0.53
			Trask River	1994	1996	26,357	201,098	3	0.01	157	0.60	0.61
			Trask River	1995	1997	23,229	144,533	11	0.05	270	1.16	1.21
			Trask River	1996	1998	25,297	212,525	33	0.13	527	2.08	2.21
			Trask River	1997	1999	26,220	189,230	73	0.28	662	2.52	2.80
			Trask River	1998	2000	26,550	196,385	165	0.62	2,745	10.34	10.96
			Trask River	1999	2001	25,824	194,634	79	0.31	1,529	5.92	6.23
			Trask River	2000	2002	25,786	201,749	190	0.74	762	2.96	3.69
	Fall Chinook	034	Trask River	1989	1990	50,822	195,996	92	0.18	22	0.04	0.22
			Trask River	1990	1991	44,762	154,470	137	0.31	56	0.13	0.43
			Trask River	1991	1992	38,855	149,586	50	0.13	69	0.18	0.31
			Trask River	1992	1993	51,761	157,961	157	0.30	228	0.44	0.74
			Trask River	1993	1994	22,304	61,072	41	0.18	30	0.13	0.32
			Trask River	1994	1995	24,881	58,217	96	0.39	60	0.24	0.63
			Trask River	1995	1996	24,372	82,655	51	0.21	60	0.25	0.46
			Trask River	1996	1997	25,695	66,986	36	0.14	28	0.11	0.25
			Trask River	1997	1998	26,289	53,296	163	0.62	133	0.51	1.13
			Trask River	1998	1999	26,232	66,190	100	0.38	63	0.24	0.62
	Spring Chinook	034	Trask River	1989	1990	62,151	197,167	55	0.09	53	0.09	0.17
			Trask River	1990	1991	64,189	148,941	39	0.06	83	0.13	0.19

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Trask	Spring Chinook	034	Trask River	1991	1992	76,471	178,980	13	0.02	30	0.04	0.06
			Trask River	1992	1993	59,496	154,217	84	0.14	83	0.14	0.28
			Trask River	1993	1994	40,548	58,193	31	0.08	48	0.12	0.19
			Trask River	1994	1995	47,035	52,759	13	0.03	17	0.04	0.06
			Trask River	1995	1996	50,378	54,468	14	0.03	32	0.06	0.09
			Trask River	1996	1997	51,419	54,227	21	0.04	23	0.04	0.09
			Trask River	1997	1998	26,316	38,367	46	0.17	26	0.10	0.27
	Winter Chinook	034	Trask River	1990	1991	26,406	43,562	78	0.30	24	0.09	0.39
			Trask River	1991	1992	24,619	46,661	24	0.10	41	0.17	0.26
			Trask River	1992	1993	26,207	51,877	78	0.30	126	0.48	0.78
			Trask River	1993	1994	27,579	47,598	86	0.31	87	0.32	0.63
			Trask River	1994	1995	22,074	50,383	37	0.17	22	0.10	0.27
			Trask River	1995	1996	26,185	35,719	42	0.16	57	0.22	0.38
			Trask River	1996	1997	25,801	49,100	14	0.05	33	0.13	0.18
			Trask River	1997	1998	26,707	49,381	123	0.46	95	0.36	0.82
			Trask River	1998	1999	24,779	38,222	58	0.23	58	0.23	0.47
Trask Pond	Coho	034	EF of SF Trask River	1991	1993	26,985	683,133	3	0.01	99	0.37	0.38
			EF of SF Trask River	1992	1994	25,234	844,161	5	0.02	114	0.45	0.47
	Spring Chinook	034	Trask & Wilson Rivers	1993	1994	25,561	172,229	46	0.18	77	0.30	0.48
			Trask River	1994	1995	25,438	91,539	32	0.13	65	0.26	0.38
			Trask & Wilson Rivers	1995	1996	26,215	199,685	12	0.05	27	0.10	0.15
			Trask & Wilson Rivers	1996	1997	26,002	194,552	10	0.04	17	0.07	0.10
			Trask & Wilson Rivers	1997	1998	25,934	206,468	12	0.05	10	0.04	0.08
			Trask River	1998	1999	25,595	150,875	109	0.43	30	0.12	0.54
Trojan Pond	Coho	011	Columbia River	1991	1993	27,809	263,571	18	0.06	41	0.15	0.21
Tuffy Creek	Spring Chinook	034	Wilson River	1990	1991	23,524	90,960	61	0.26	30	0.13	0.39
			Wilson & Kilchis Rivers	1991	1992	26,516	102,935	12	0.05	11	0.04	0.09
			Wilson River	1992	1993	21,674	88,778	26	0.12	26	0.12	0.24
			Wilson River	1993	1994	19,351	80,402	15	0.08	30	0.16	0.23
			Wilson River	1994	1995	26,639	109,083	10	0.04	22	0.08	0.12
			Wilson River	1998	1999	25,102	104,138	42	0.17	30	0.12	0.29
Umatilla	Fall Chinook	095	Umatilla River	1991	1992	304,698	2,678,343	0	0.00	6	0.00	0.00
			Umatilla River	1992	1993	294,842	2,629,917	52	0.02	142	0.05	0.07
			Umatilla River	1995	1997	60,327	260,968	5	0.01	11	0.02	0.03
	Fall Chinook	045	Umatilla River	1993	1994	308,481	2,843,212	72	0.02	171	0.06	0.08
			Umatilla River	1994	1995	294,194	2,466,298	0	0.00	5	0.00	0.00

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Umatilla	Fall Chinook	045	Umatilla River	1994	1996	70,023	143,087	0	0.00	24	0.03	0.03
			Umatilla River	1995	1996	298,056	2,960,413	55	0.02	181	0.06	0.08
			Umatilla River	1995	1997	126,938	258,953	215	0.17	827	0.65	0.82
			Umatilla River	1996	1997	291,815	2,580,833	18	0.01	78	0.03	0.03
			Umatilla River	1996	1998	44,330	179,100	13	0.03	79	0.18	0.21
			Umatilla River	1997	1998	284,861	288,297	9	0.00	93	0.03	0.04
			Umatilla River	1998	1999	386,953	395,480	269	0.07	560	0.14	0.21
	Fall Chinook	091	Umatilla River	1997	1999	21,741	48,901	0	0.00	42	0.19	0.19
			Umatilla River	1998	2000	43,172	99,554	0	0.00	230	0.53	0.53
	Spring Chinook	075	Umatilla River	1991	1992	558,303	1,057,169	0	0.00	3	0.00	0.00
			Umatilla River	1991	1993	83,843	208,782	0	0.00	3	0.00	0.00
			Umatilla River	1992	1993	665,659	1,128,176	0	0.00	27	0.00	0.00
			Umatilla River	1992	1994	81,943	205,143	0	0.00	49	0.06	0.06
			Umatilla River	1993	1994	657,189	1,217,634	3	0.00	108	0.02	0.02
			Umatilla River	1993	1995	209,807	673,331	5	0.00	323	0.15	0.16
			Umatilla River	1994	1996	137,208	378,561	0	0.00	3	0.00	0.00
			Umatilla River	1995	1997	80,546	225,883	0	0.00	517	0.64	0.64
			Umatilla River	1996	1998	218,811	827,613	2	0.00	733	0.33	0.34
	Spring Chinook	091	Umatilla River	1997	1998	43,764	114,370	0	0.00	68	0.16	0.16
			Umatilla River	1997	1999	86,007	204,930	2	0.00	195	0.23	0.23
			Umatilla River	1998	2000	87,212	204,912	0	0.00	346	0.40	0.40
	Summer Steelhead	091	Umatilla River	1991	1992	91,486	199,404	0	0.00	75	0.08	0.08
			Umatilla River	1992	1993	93,027	158,268	1	0.00	385	0.41	0.41
			Umatilla River	1993	1994	57,034	153,098	0	0.00	221	0.39	0.39
			Umatilla River	1994	1995	57,884	146,463	0	0.00	558	0.96	0.96
			Umatilla River	1995	1996	61,580	146,703	0	0.00	218	0.35	0.35
			Umatilla River	1996	1997	58,699	137,287	0	0.00	151	0.26	0.26
			Umatilla River	1997	1998	60,914	137,485	0	0.00	211	0.35	0.35
			Umatilla River	1998	1999	60,325	121,633	0	0.00	152	0.25	0.25
			Umatilla River	1999	2000	64,497	153,738	0	0.00	223	0.35	0.35
Wahkeena Pond	Coho	014	Columbia River	1991	1993	24,445	1,499,778	3	0.01	85	0.35	0.36
	Coho	011	Columbia River	1992	1994	23,472	1,503,732	3	0.01	3	0.01	0.03
Willamette	Spring Chinook	022	Fall Creek (MF Wil)	1997	1999	87,361	90,722	15	0.02	428	0.49	0.51
			Willamette River	1994	1995	28,349	172,858	20	0.07	59	0.21	0.28
			Willamette River	1995	1996	30,888	86,216	5	0.02	56	0.18	0.20
			MF Willamette River	1989	1990	82,867	479,052	49	0.06	390	0.47	0.53

Table 18. Tag Recoveries for ODFW Hatchery Releases

Hatchery	Species	Stock	Release Site	Brood Year	Release Year	Number Released CWT	Number Released Total	Ocean Recovery Num	Ocean Recovery %	Freshwater Recovery Num	Freshwater Recovery %	Survival %
Willamette	Spring Chinook	022	MF Willamette River	1989	1991	443,876	861,534	222	0.05	2,224	0.50	0.55
			MF Willamette River	1990	1991	80,486	406,417	32	0.04	459	0.57	0.61
			MF Willamette River	1990	1992	475,124	1,151,523	21	0.00	397	0.08	0.09
			MF Willamette River	1991	1992	77,752	315,264	10	0.01	137	0.18	0.19
			MF Willamette River	1991	1993	509,582	1,066,200	152	0.03	1,756	0.34	0.37
			MF Willamette River	1992	1993	26,170	278,005	2	0.01	88	0.34	0.34
			MF Willamette River	1992	1994	380,898	1,003,754	87	0.02	879	0.23	0.25
			MF Willamette River	1993	1995	49,710	1,187,412	26	0.05	266	0.54	0.59
			MF Willamette River	1994	1996	54,521	1,317,490	20	0.04	293	0.54	0.57
			MF Willamette River	1995	1997	62,067	632,365	14	0.02	168	0.27	0.29
			MF Willamette River	1996	1997	31,797	253,303	6	0.02	41	0.13	0.15
			MF Willamette River	1996	1998	31,695	552,403	13	0.04	302	0.95	0.99
			MF Willamette River	1997	1998	240,805	251,210	24	0.01	626	0.26	0.27
			MF Willamette River	1997	1999	922,851	962,413	220	0.02	9,143	0.99	1.01
			MF Willamette River	1998	2000	59,132	1,106,473	113	0.19	465	0.79	0.98
	Spring Chinook	023	Willamette River	1996	1997	52,301	61,099	29	0.06	171	0.33	0.38
			Willamette River	1997	1998	60,187	61,190	11	0.02	194	0.32	0.34
			Willamette River	1998	1999	60,700	69,611	55	0.09	264	0.43	0.53
	Spring Chinook	024	Molalla River	1996	1998	24,413	68,398	38	0.16	80	0.33	0.48
			Molalla River	1997	1998	29,836	30,193	7	0.02	58	0.19	0.22
			Molalla River	1997	1999	57,520	60,626	35	0.06	287	0.50	0.56
			Molalla River	1998	2000	25,286	70,740	121	0.48	243	0.96	1.44
Winchuck River	Fall Chinook	007	Winchuck River	1989	1990	27,192	40,891	61	0.22	6	0.02	0.25
Yaquina Bay	Fall Chinook	146W	Yaquina River	1996	1997	24,388	123,743	58	0.24	21	0.09	0.32
			Yaquina River	1997	1998	26,099	103,831	249	0.95	167	0.64	1.59

Table 19. Marking and Tagging Summary for Calendar Year 2005

HATCHERY	SPECIES	STOCK/BY	#*1000	MARK APPLIED	RELEASE LOCATION	RELEASE DATE	TAG CODE	NUMBER MARKED
Astoria H.S.	Fall Chinook	5204	30	AdLVCWT	S. Klaskanine	07/15/05	62-02-27	29,980
		TOTAL	30					**29,980**
Bandon	Fall Chinook	3704	30	AdCWT	Morgan Cr.	05/30/05	07-53-02	32,503
	Fall Chinook	3704	30	AdCWT	Blossom Cr.	05/30/05	07-53-03	33,009
		TOTAL	60					**65,512**
Big Creek	Fall Chinook	1304	200	AdCWT	Big Cr.	04/25/05	09-40-21	226,294
	Fall Chinook	5204	25	AdLVCWT	Klaskanine R.	08/15/05	07-05-46	29,205
	Fall Chinook	5204	25	AdLVCWT	Klaskanine R.	08/15/05	09-21-01	30,350
	Coho	1304	25	AdCWT	Big Creek	04/14/06	09-37-03	29,640
	Coho	1304	25	AdCWT	Big Creek	05/14/06	09-37-04	29,061
	Fall Chinook	5204	650	LV only	Klaskanine R.	08/15/05	None	687,687
	Coho	1304	485	Ad only	Big Creek	Various	None	526,783
	Winter Steelhead	1305	160	Ad only	Gnat/Klask/Big	Various	None	40,534
		TOTAL	1595					**1,599,554**
Bonneville	Fall Chinook	9504	200	AdCWT	Ringgold Pond	05/15/05	07-12-63	225,429
	Fall Chinook	9504	50	AdCWT	Tanner Cr.	07/01/05	07-53-04	57,211
	Fall Chinook	9504	50	AdCWT	Tanner Cr.	08/01/05	07-09-50	56,344
	Spring Chinook	1904	25	AdCWT	Clackamas R.	08/01/05	09-41-28	27,797
	Spring Chinook	1904	25	AdCWT	Clackamas R.	08/01/05	09-41-29	27,290
	Spring Chinook	1904	260	Ad only	Clackamas R.	08/01/05	None	164,765
	Summer Steelhead	2405	215	AdRM only	Various	Various	None	231,225
	Summer Steelhead	2405	6	Ad only	Various	Various	None	6,655
	Winter Steelhead	11W05	60	Ad only	Sandy R.	05/15/07	None	92,518
	Coho	1404	25	AdCWT	Tanner Cr.	05/02/06	09-42-45	27,263
	Fall Chinook	9104	25	AdCWT	Umatilla R.	02/15/06	09-20-38	27,798
	Fall Chinook	9104	215	TB only	Umatilla R.	02/15/06	TB	224,345
	Fall Chinook	9104	25	AdCWT	Umatilla R.	03/16/06	09-20-39	26,787
	Fall Chinook	9104	215	TB only	Umatilla R.	03/16/06	TB	203,298
		TOTAL	1396					**1,398,725**
Butte Falls	Fall Chinook	4404	25	AdCWT	7-Mile Cr.	09/07/05	09-23-49	27,920
	Coho	4404	50	Ad only	7-Mile/Ferry	04/15/06	None	48,281
		TOTAL	75					**76,201**
Canyonville	Fall Chinook	15104	25	AdCWT	Paradise Cr.	05/15/05	09-21-02	28,748
		TOTAL	25					**28,748**
Cascade	Coho	50803	8	PIT	Various	4/15/05	None	7,867
	Coho	1404	2632	Ad only	Various	Various	None	2,707,943
	Coho	1404	25	AdCWT	Tongue Pt.	05/01/06	09-42-41	29,296
	Coho	1404	25	AdCWT	Youngs Bay	05/01/06	09-42-42	28,620
	Coho	1404	25	AdCWT	Umatilla R.	03/15/06	09-42-43	27,696
	Coho	1404	25	AdCWT	Umatilla R.	06/01/06	09-42-44	28,337
		TOTAL	2740					**2,829,759**
Cedar Creek	Spring Chinook	4704	25	AdCWT	Three Rivers	07/27/05	09-20-11	27,634
	Spring Chinook	4704	85	Ad only	Nestucca R.	07/27/05	None	90,084
		TOTAL	110					**117,718**
Cole Rivers	Spring Chinook	5204	30	AdCWT	Rogue R.	08/15/05	09-41-45	31,715
	Spring Chinook	5204	50	AdCWT	Rogue R.	09/14/05	09-20-43	55,377
	Spring Chinook	5204	30	AdCWT	Rogue R.	10/11/05	09-41-47	32,610
	Fall Chinook	3704	25	AdCWT	Coos R.	09/15/05	09-39-50	26,177
	Spring Chinook	5204	50	CWT only	Rogue R.	09/14/05	09-20-45	55,019
	Spring Chinook	5204	700	Ad only	Rogue R.	08/18/05	None	699,740
	Spring Chinook	5204	630	Ad only	Rogue R.	09/12/05	None	622,747

Table 19. Marking and Tagging Summary for Calendar Year 2005

HATCHERY	SPECIES	STOCK/BY	#*1000	MARK APPLIED	RELEASE LOCATION	RELEASE DATE	TAG CODE	NUMBER MARKED
Cole Rivers	Spring Chinook	5204	132	Ad only	Rogue R.	10/15/05	None	131,647
(cont.)	Spring Chinook	5204	10	Ad only	Applegate Res.	07/06/05	None	10,570
	Spring Chinook	5204	50	Ad only	Applegate Res.	09/26/05	None	49,141
	Coho	3704	25	AdCWT	Noble Cr.	03/31/06	09-19-53	27,470
	Coho	5204	25	CWT only	Rogue R.	05/01/06	09-29-63	26,875
	Coho	5204	25	AdCWT	Rogue R.	05/01/06	09-42-50	27,005
	Coho	5204	150	Ad only	Rogue R.	05/01/06	None	131,703
	Coho	3704	95	Ad only	Coos R.	03/14/06	None	10,599
	Rainbow Trout*	72T04	550	Ad only	Various	Various	None	544,131
	Summer Steelhead*	5205	130	Ad only	Rogue R.	04/24/06	None	128,671
	Summer Steelhead*	5205	20	AdLPLM	Rogue R.	04/24/06	None	19,910
	Winter Steelhead*	5204	160	Ad only	Rogue R.	04/26/06	None	158,887
	Winter Steelhead*	5203	20	LP	Rogue R.	04/26/05	None	19,978
	Winter Steelhead*	6204	208	Ad only	Applegate R.	04/16/06	None	208,320
	Winter Steelhead*	6203	20	RP	Applegate R.	04/15/05	None	20,009
	Winter Steelhead*	3705	112	Ad only	Coos R.	04/01/06	None	111,690
	Winter Steelhead*	8805	15	Ad only	Tenmile	04/01/06	None	15,373
		TOTAL	3262					**3,165,364**
Elk River	Fall Chinook	3504	200	AdCWT	Elk R.	09/15/05	09-41-32	227,252
	Fall Chinook	9604	25	AdCWT	Chetco R.	09/15/05	09-39-52	27,769
		TOTAL	225					**255,021**
Fall River	Rainbow Trout	12704	36	Ad only	Various	06/05/05	None	129,884
		TOTAL	36					**129,884**
Gardiner	Fall Chinook	15104	25	LM only	Umpqua R.	06/30/05		27,411
		TOTAL	25					**27,411**
Gnat Creek	Spring Chinook	2204	755	Ad only	TP/BS/YB	03/15/06	None	744,118
	Spring Chinook	2204	25	AdCWT	Blind Slough	03/15/06	09-39-33	25,548
	Spring Chinook	2204	25	AdCWT	Tongue Pt.	04/01/06	09-37-06	25,625
	Spring Chinook	2204	25	AdCWT	Youngs Bay	04/01/06	09-37-07	25,595
	Spring Chinook	2204	25	AdCWT	John Day R.	04/01/06	09-37-08	25,663
		TOTAL	855					**846,549**
Indian Creek	Fall Chinook	6104	25	AdCWT	Rogue R.	09/01/05	09-39-53	26,386
		TOTAL	25					**26,386**
Irrigon	Summer Steelhead	5604	8	PIT	Various	Various	None	8,053
	Summer Steelhead	2904	0.75	PIT	Various	Various	None	752
	Summer Steelhead	2905	25	AdLVCWT	L. Sheep Cr.	04/10/06	07-41-30	27,994
	Summer Steelhead	5605	25	AdLVCWT	Spring Cr.	04/10/06	07-41-31	27,067
	Summer Steelhead	5605	25	AdLVCWT	Spring Cr.	04/10/06	07-41-32	25,580
	Summer Steelhead	5605	25	AdLVCWT	Spring Cr.	04/10/06	07-41-33	26,527
	Summer Steelhead	5605	25	AdLVCWT	Spring Cr.	04/29/06	09-43-03	27,843
	Summer Steelhead	5605	25	AdRVCWT	Spring Cr.	04/10/06	07-41-35	26,242
	Summer Steelhead	5605	25	AdRVCWT	Spring Cr.	04/10/06	09-26-44	21,830
	Summer Steelhead	5605	6.5	AdRVCWT	Spring Cr.	04/10/06	09-26-08	5,192
	Summer Steelhead	5605	25	AdRVCWT	Spring Cr.	04/10/06	09-26-45	22,122
	Summer Steelhead	5605	2	AdRVCWT	Spring Cr.	04/10/06	09-17-05	2,776
	Summer Steelhead	5605	25	AdRVCWT	Spring Cr.	04/29/06	09-43-01	27,318
	Summer Steelhead	5605	25	AdLVCWT	Deer Cr.	04/10/06	07-41-34	26,186
	Summer Steelhead	5605	25	AdLVCWT	Deer Cr.	05/02/06	09-43-02	27,423
	Summer Steelhead	5605	17	AdRV only	Spring Cr.	04/09/06	None	17,122
		TOTAL	309.25					**320,027**

*Fish marked by Cole Rivers Hatchery, not by Fish Stock Identification

Table 19. Marking and Tagging Summary for Calendar Year 2005

HATCHERY	SPECIES	STOCK/BY	#*1000	MARK APPLIED	RELEASE LOCATION	RELEASE DATE	TAG CODE	NUMBER MARKED
Ives Island	Fall Chinook	Wild	10	AdCWT	Ives Island	Various	09-40-24	11,282
	Fall Chinook	Wild	10	AdCWT	Ives Island	Various	09-41-52	10,463
	Fall Chinook	Wild	10	AdCWT	Ives Island	Various	09-41-54	10,897
		TOTAL	30					**32,642**
Leaburg	Spring Chinook	2204	25	AdCWT	Blind Slough	04/01/06	09-42-53	27,770
	Spring Chinook	2204	25	AdCWT	Blind Slough	04/09/06	09-42-54	28,415
	Spring Chinook	2204	25	AdCWT	Blind Slough	04/18/06	09-42-55	28,062
	Spring Chinook	2204	25	AdCWT	Blind Slough	04/27/06	09-42-56	27,750
	Spring Chinook	2204	25	AdCWT	Blind Slough	05/16/06	09-42-57	27,675
	Spring Chinook	2204	25	AdCWT	Blind Slough	05/15/06	09-42-58	27,730
	Summer Steelhead	2405	108	Ad only	McKenzie R.	04/08/06	None	106,927
	Rainbow Trout	7204	30	Ad only	McKenzie R.	Various	None	26,570
	Rainbow Trout	5304	20	Ad only	McKenzie R.	Various	None	19,903
		TOTAL	308					**320,802**
Lookingglass	Spring Chinook	2904	65	AdCWT	Imnaha R.	04/01/06	09-42-06	64,599
	Spring Chinook	2904	65	AdCWT	Imnaha R.	04/01/06	09-42-07	64,569
	Spring Chinook	2904	65	AdCWT	Imnaha R.	04/01/06	09-42-08	64,608
	Spring Chinook	2904	65	Ad only	Imnaha R.	04/01/06	None	64,550
	Spring Chinook	2904	65	Ad only	Imnaha R.	04/01/06	None	64,550
	Spring Chinook	2904	65	Ad only	Imnaha R.	04/01/06	None	64,550
	Spring Chinook	2904	65	Ad only	Imnaha R.	04/01/06	None	61,051
	Spring Chinook	200W04	70	AdCWT	Lostine R.	04/01/06	09-42-09	67,070
	Spring Chinook	200W04	70	AdCWT	Lostine R.	04/01/06	09-42-10	67,048
	Spring Chinook	200W04	50	AdCWT	Lostine R.	04/01/06	09-42-11	50,633
	Spring Chinook	200F04	20	AdCWT	Lostine R.	04/01/06	09-42-12	16,071
	Spring Chinook	200F04	25	AdCWT	Lostine R.	04/01/06	09-42-48	25,340
	Spring Chinook	80W04	18	CWT only	Lostine R.	04/01/06	09-42-13	19,083
	Spring Chinook	200W04	22	AdCWT	Lostine R.	04/01/06	09-42-14	19,591
	Spring Chinook	201F04	20	AdCWT	UGR R.	04/01/06	09-42-15	16,908
	Spring Chinook	80F04	1	Ad only	UGR R.	04/01/06	None	90
	Spring Chinook	201W04	74	AdCWT	Lookingglass	04/01/06	09-42-16	73,209
	Spring Chinook	8104	74	AdCWT	Lookingglass	04/01/06	09-42-17	74,341
	Spring Chinook	8104	25	AdCWT	Catherine Cr.	04/01/06	09-42-18	23,257
	Spring Chinook	201F04	31	AdCWT	Catherine Cr.	04/01/06	09-34-27	29,191
	Spring Chinook	2904	21	PIT	Imnaha R.	04/01/06	PIT	19,931
	Spring Chinook	20004	14.5	PIT	Lostine R.	04/01/06	PIT	14,466
	Spring Chinook	20104	21	PIT	Catherine Cr.	04/01/06	PIT	21,032
	Spring Chinook	20104	2	PIT	Lookingglass	04/01/06	PIT	996
	Spring Chinook	8004	0.5	PIT	U. Gran. Ronde	04/01/06	PIT	496
	Spring Chinook	200W04	41.2	VIE only	Lostine.R.	04/01/06	Red-R	41,389
	Spring Chinook	201W04	23.4	VIE only	Catherine Cr.	04/01/06	Green-R	23,096
		TOTAL	1078.6					**1,051,715**
L. Herman Cr	Coho	1404	25	AdCWT	Umatilla R.	03/15/06	09-37-01	26,990
		TOTAL	25					**26,990**
Marion Forks	Spring Chinook	1104	260	Ad only	Cedar Cr.	03/16/06	None	311,336
	Spring Chinook	1904	468	Ad only	Clackamas R.	03/16/06	None	578,221
	Spring Chinook	1904	62	AdLM	Eagle Cr.	03/16/06	None	64,503
	Spring Chinook	2104	607	Ad only	N. Santiam R.	03/02/06	None	828,152
	Spring Chinook	2104	30	AdCWT	N. Santiam R.	03/02/06	09-41-37	30,665
	Spring Chinook	2104	30	AdCWT	N. Santiam R.	03/02/06	09-42-37	30,174
	Spring Chinook	1104	50	AdCWT	Cedar Cr.	03/16/06	09-20-22	56,300

Table 19. Marking and Tagging Summary for Calendar Year 2005

HATCHERY	SPECIES	STOCK/BY	#*1000	MARK APPLIED	RELEASE LOCATION	RELEASE DATE	TAG CODE	NUMBER MARKED
Marion Forks	Spring Chinook	1904	50	AdCWT	Clackamas R.	03/16/06	09-20-23	54,380
(cont.)	Spring Chinook	2104	50	AdCWT	Detroit Res.	08/15/05	09-42-40	55,152
	Spring Chinook	2104	25	AdCWT	Detroit Res.	08/15/05	09-37-11	26,538
	Spring Chinook	2104	25	AdCWT	Detroit Res.	08/15/05	09-37-12	25,578
		TOTAL	1657					**2,060,999**
McKenzie	Spring Chinook	2304	30	AdCWT	McKenzie R.	11/14/05	09-42-19	31,041
	Spring Chinook	2304	30	AdCWT	McKenzie R.	03/10/06	09-32-03	32,029
	Spring Chinook	2304	30	AdCWT	McKenzie R.	02/01/06	09-41-38	31,860
	Spring Chinook	2304	20	AdCWT	McKenzie R.	02/01/06	09-41-38	21,240
	Spring Chinook	2304	50	CWT only	McKenzie R.	02/01/06	09-42-21	52,076
	Spring Chinook	2304	320	Ad only	McKenzie R.	11/15/05	None	345,257
	Spring Chinook	2304	719	Ad only	McKenzie R.	02/01/06	None	742,071
		TOTAL	1199					**1,255,574**
Nehalem	Coho	3204	25	AdCWT	Nehalem R.	03/02/06	09-20-18	27,677
	Coho	3204	25	AdCWT	Nehalem R.	04/02/06	09-20-19	27,813
	Coho	3404	25	AdRMCWT	Trask R.	03/02/06	09-20-20	27,215
	Coho	3404	25	AdRMCWT	Trask R.	04/11/06	09-20-21	27,084
	Coho	3204	25	Ad only	Nehalem R.	03/02/06	None	23,677
	Coho	3204	25	Ad only	Nehalem R.	04/02/06	None	23,754
	Coho	3404	25	AdRM only	Trask R.	03/02/06	None	20,857
	Coho	3404	25	AdRM only	Trask R.	04/11/06	None	17,652
	Winter Steelhead	3205	90	Ad only	Neh,/Nec. R.	04/02/06	None	94,000
	Winter Steelhead	9905	40	AdRM	Nehalem R.	04/02/06	None	43,000
		TOTAL	330					**332,729**
Oak Springs	Rainbow Trout	5304	50	LV only	Various	Various	None	52,000
	Rainbow Trout	5304	25	Ad only	Various	Various	None	26,000
	Rainbow Trout	7203	7	Ad only	Various	Various	None	7,000
	Rainbow Trout	15305	99	Ad only	Various	Various	None	51,912
	Rainbow Trout	12705	43	Ad only	Various	Various	None	45,890
	Summer Steelhead	6605	7	Ad only	Various	Various	None	4,373
	Summer Steelhead	2405	65	Ad only	Various	Various	None	68,972
	Winter Steelhead	122W05	40	AdLM	Clackamas R.	Various	None	41,836
	Summer Steelhead	5005	40	AdLM	WF Hood R.	04/16/06	None	34,763
	Winter Steelhead	5005	50	AdLV	Various	Various	None	37,974
		TOTAL	426					**370,720**
Oxbow	Sockeye	8504	40	AdRVCWT	Idaho	4/15/06	07-44-48	43,521
	Sockeye	8504	10	AdRVCWT	Idaho	4/15/06	09-36-50	3,871
		TOTAL	50					**47,392**
Rock Creek	Spring Chinook	5504	25	AdCWT	N. Umpqua R.	10/01/05	09-20-12	27,054
	Spring Chinook	5504	25	AdCWT	N. Umpqua R.	02/01/06	09-20-13	26,958
	Fall Chinook	15104	25	AdCWT	Umpqua R.	10/15/05	09-39-47	26,974
	Spring Chinook	5504	50	Ad only	N. Umpqua R.	10/01/05	None	55,669
	Spring Chinook	5504	242	Ad only	N. Umpqua R.	02/01/06	None	186,667
	Winter Steelhead	1804	122	Ad only	S. Umpqua R.	04/01/07	None	58,488
	Summer Steelhead	55W04	110	Ad only	N. Umpqua R.	03/01/07	None	26,382
	Fall Chinook	15104	50	Ad only	Umpqua R.	10/15/05	None	46,260
	Coho	18W04	25	AdCWT	Rock Cr.	04/08/06	09-20-14	27,614
	Coho	55W04	25	AdCWT	Rock Cr.	04/15/06	09-20-16	27,944
	Coho	18W04	35	Ad only	Rock Cr.	04/08/06	None	48,172
	Coho	55W04	37.5	Ad only	Rock Cr.	04/15/06	None	40,276

HATCHERY	SPECIES	STOCK/BY	#*1000	MARK APPLIED	RELEASE LOCATION	RELEASE DATE	TAG CODE	NUMBER MARKED
Rock Creek	Summer Steelhead	55W05	110	Ad only	N. Umpqua R.	03/01/07	None	64,545
(cont.)		**TOTAL**	881.5					**663,003**
Round Butte	Spring Chinook	6604	42	AdCWT	Deschutes R.	04/15/06	09-42-22	43,066
	Spring Chinook	66604	42	AdCWT	Deschutes R.	04/15/06	09-42-23	43,099
	Spring Chinook	6604	42	AdCWT	Deschutes R.	04/15/06	09-42-24	43,121
	Spring Chinook	6604	42	AdCWT	Deschutes R.	04/15/06	09-42-25	43,155
	Spring Chinook	10204	42	AdCWT	Deschutes R.	04/15/06	09-42-26	43,328
	Spring Chinook	10204	42	AdCWT	Deschutes R.	04/15/06	09-42-27	43,193
	Spring Chinook	10204	42	AdCWT	Deschutes R.	04/15/06	09-42-28	43,092
	Spring Chinook	10204	42	AdCWT	Deschutes R.	04/15/06	09-42-29	43,241
	Spring Chinook	6604	23	AdLMCWT	WF Hood R.	04/09/06	09-42-30	24,857
	Spring Chinook	6604	23	AdLMCWT	WF Hood R.	04/09/06	09-42-31	25,031
	Spring Chinook	10204	23	AdLMCWT	WF Hood R.	04/09/06	09-42-32	25,436
	Spring Chinook	10204	23	AdLMCWT	WF Hood R.	04/09/06	09-42-33	25,310
	Spring Chinook	5004	43	AdRVCWT	MF Hood R.	04/16/06	09-42-34	33,444
		TOTAL	471					**479,373**
S. Santiam	Spring Chinook	2404	50	AdCWT	S. Santiam R.	11/01/05	09-39-23	53,641
	Spring Chinook	2404	250	Ad only	S. Santiam R.	11/01/05	None	244,877
	Summer Steelhead	2405	184.5	Ad only	N. Santiam R.	04/02/06	None	185,739
		TOTAL	484.5					**484,257**
Salmon River	Fall Chinook	3604	200	AdCWT	Salmon R.	08/15/05	07-09-39	160,150
	Fall Chinook	14604	25	AdCWT	Yaquina R.	09/2/05	09-39-51	27,674
	Coho	3304	25	AdCWT	Salmon R.	05/02/06	09-20-17	27,302
	Coho	3304	175	Ad only	Salmon R.	05/02/06	None	180,562
	Summer Steelhead	3305	80	Ad only	Siletz R.	04/02/06	None	71,000
		TOTAL	505					**466,688**
Sandy	Coho	1104	900	Ad only	Various	Various	None	1,127,092
	Coho	1104	25	AdCWT	Blind Slough	05/02/06	09-43-06	27,497
	Coho	1104	25	AdCWT	Sandy R.	04/16/06	09-43-07	27,241
	Coho	1104	25	AdCWT	Sandy R.	05/16/06	09-43-08	26,550
	Coho	1104	25	CWT only	Sandy R.	05/16/06	09-43-09	26,244
		TOTAL	1000					**1,234,624**
South Fork	Spring Chinook	2404	575	Ad only	S. Klaskanine	03/16/06	None	572,698
	Fall Chinook	5204	50	LV only	S. Klaskanine	07/15/05	None	45,450
	Spring Chinook	2404	25	AdCWT	S. Klaskanine	03/16/06	09-37-22	27,882
		TOTAL	650					**646,030**
Trask	Spring Chinook	3404	25	AdCWT	Trask R.	07/26/05	09-20-09	27,083
	Spring Chinook	3404	25	AdCWT	Wilson R.	07/29/05	09-20-10	23,127
	Spring Chinook	3404	165	Ad only	Trask R.	07/27/05	None	150,009
	Spring Chinook	3404	38	Ad only	Wilson R.	07/29/05	None	53,977
	Fall Chinook	3404	25	AdCWT	Trask R.	08/08/05	09-23-50	27,403
	Fall Chinook	3404	25	AdCWT	Necancum R.	09/05/05	09-23-51	27,182
	Winter Steelhead	12105	80	Ad only	Wilson R.	04/30/06	None	84,090
		TOTAL	383					**392,871**
Umatilla	Fall Chinook	9104	150	AdCWT	Umatilla R.	05/31/05	07-14-39	155,243
	Fall Chinook	9104	150	AdCWT	Umatilla R.	05/31/05	07-14-40	155,214
	Fall Chinook	9104	150	AdCWT	Umatilla R.	05/31/05	07-14-41	155,152
	Fall Chinook	9104	150	AdCWT	Umatilla R.	05/31/05	07-14-42	139,976
	Fall Chinook	9704	200	AdCWT	Pittsburg Land.	05/01/05	07-33-36	214,029
	Fall Chinook	9704	200	Ad only	Pittsburg Land.	05/01/05	None	164,208
	Fall Chinook	9704	400	Ad only	Hells Canyon	05/09/05	None	420,708

Table 19. Marking and Tagging Summary for Calendar Year 2005

HATCHERY	SPECIES	STOCK/BY	#*1000	MARK APPLIED	RELEASE LOCATION	RELEASE DATE	TAG CODE	NUMBER MARKED
Umatilla	Spring Chinook	9104	60	AdRVCWT	Imeques	03/16/06	09-42-51	66,322
(cont.)	Spring Chinook	9104	60	AdRVCWT	Imeques	03/16/06	09-42-52	66,285
	Summer Steelhead	9105	20	AdLVCWT	Umatilla R.	04/01/06	07-55-32	20,614
	Summer Steelhead	9105	20	AdLVCWT	Umatilla R.	04/16/06	09-43-13	20,990
	Summer Steelhead	9105	20	AdLVCWT	Umatilla R.	04/30/06	09-43-14	20,954
		TOTAL	1580					**1,599,695**
U. Herman Cr	Coho	1404	25	AdCWT	Tanner Cr.	06/02/06	09-20-42	27,357
	Coho	1404	25	AdCWT	Youngs Bay	04/15/06	09-20-44	28,130
		TOTAL	50					**55,487**
Willamette	Spring Chinook	2204	30	AdCWT	M Willamette R	02/01/06	09-39-24	32,462
	Spring Chinook	2204	30	AdCWT	M Willamette R	03/05/06	09-41-33	32,675
	Spring Chinook	2204	30	AdCWT	S. Santiam R.	02/15/06	09-41-35	33,007
	Spring Chinook	2404	30	AdCWT	S. Santiam R.	03/02/06	09-41-36	32,477
	Spring Chinook	1904	30	AdCWT	Clackamas R.	03/21/06	09-41-56	32,021
	Spring Chinook	2204	50	AdCWT	M Willamette R	10/31/05	09-39-41	55,554
	Spring Chinook	2204	30	AdCWT	Fall Creek	03/01/06	09-41-58	32,838
	Spring Chinook	2404	30	AdCWT	S. Santiam R.	03/10/06	09-41-59	32,480
	Spring Chinook	2404	30	AdCWT	Molalla R.	03/01/06	09-41-60	32,110
	Spring Chinook	2204	1282	Ad only	Various	Various	None	1,329,083
	Spring Chinook	2404	293	Ad only	Various	Various	None	313,822
	Spring Chinook	2404	508	Ad only	S. Santiam R.	03/05/06	None	500,844
	Summer Steelhead	2404	115	Ad only	M Willamette R	04/08/06	None	108,623
	Spring Chinook	2204	207	Ad only	M Willamette R	03/05/06	None	194,006
	Spring Chinook	1904	210	Ad only	Clackamas R.	03/21/06	None	284,886
	Summer Steelhead	2404	42	Ad only	N. Santiam R.	04/02/06	None	90,970
	Rainbow Trout	7204	863	Ad only	Various	Various	None	763,186
	Rainbow Trout	7204	145	Ad only	Various	Various	None	130,102
	Spring Chinook	2204	90	Ad only	M.F. Will. R.	03/01/06	None	45,997
	Spring Chinook	2204	50	CWT only	M.F. Will. R.	03/01/06	09-43-12	55,729
		TOTAL	4095					**4,132,872**
Youngs Bay	Fall Chinook	5204	25	AdLVCWT	Youngs Bay	07/31/05	09-39-48	26,043
	Fall Chinook	5204	125	LV only	Youngs Bay	07/31/05	None	76,697
	Fall Chinook	5204	25	AdLVCWT	Youngs Bay	07/31/05	09-39-49	26,062
	Fall Chinook	5204	125	LV only	Youngs Bay	07/31/05	None	33,596
		TOTAL	300					**162,398**
TOTALS BY SPECIES								
	Coho			Ad only				4,868,842
				AdRM				38,509
				AdCWT				556,503
				AdRMCWT				54,299
				CWT only				53,119
				PIT				7,867
							TOTAL	**5,579,139**
	Fall Chinook			TB only				427,643
				LV only				843,430
				LM only				27,411
				Ad only				631,176
				AdCWT				2,171,266
				AdLVCWT				141,640
							TOTAL	**4,242,566**

Table 19. Marking and Tagging Summary for Calendar Year 2005

HATCHERY	SPECIES	STOCK/BY	#*1000	MARK APPLIED	RELEASE LOCATION	RELEASE DATE	TAG CODE	NUMBER MARKED
TOTALS BY SPECIES (cont.)								
	Rainbow Trout			Ad only				1,724,675
				LV only				52,000
							TOTAL	**1,776,675**
	Sockeye			AdRVCWT				47,392
							TOTAL	**47,392**
	Spring Chinook			Ad only				9,505,175
				AdLM				64,503
				AdCWT				2,370,312
				AdLMCWT				100,634
				AdRVCWT				166,051
				CWT only				181,907
				PIT				56,921
				VIE				64,485
							TOTAL	**12,509,988**
	Summer Steelhead			Ad only				862,857
				AdLM				34,763
				AdRM				231,225
				AdRV				17,122
				AdLVCWT				251,178
				AdRVCWT				105,480
				AdLPLM				19,910
				PIT				8,805
							TOTAL	**1,531,340**
	Winter Steelhead			Ad only				863,900
				AdLM				41,836
				LP				19,978
				RP				20,009
				AdLV				37,974
				AdRM				43,000
							TOTAL	**1,026,697**

TOTAL FISH MARKED IN 2005 **26,713,797**

TOTAL FISH TAGGED IN 2005 **6,337,859**

Table 20. Number of Tags Recovered by Fishery in 2005

FISHERY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Sport	0	94	839	121	42	228	0	0	313	203	532	1	2,373
Hatchery	2,954	5,516	7,264	606	524	778	516	0	9,022	1,429	3,743	2,851	35,203
Spawning	0	0	2,214	141	51	390	0	0	0	63	96	25	2,980
Columbia River Treaty Gillnet	464	0	2,804	0	0	0	0	0	0	0	0	919	4,187
Columbia River Non-Treaty Gillnet	3,228	2,844		0	0	0	0	0	0	0	0	0	6,072
Youngs Bay Commercial Gillnet	778	0		0	0	0	793	0	0	0	0	109	1,680
Columbia River Terminal Gillnet	0	0	936	0	0	0	838	0	0	0	0	1,009	2,783
Ocean Sport and Troll	210	0		0	0	0	2,081	0	0	1,862	1,145	377	5,675
Estuary Sport	0	238	396	0	0	0	0	0	0	0	0	292	926
Whiting By-Catch	425	0		0	0	0	0	0	0	0	0	131	556
River Seine	0	0	0	12	0	0	0	0	0	0	0	0	12
Ceremonial and Subsistence	0	0	35	0	0	0	0	0	0	50	0	2	87
Totals	8,059	8,692	14,488	880	617	1,396	4,228	0	9,335	3,607	5,516	5,716	62,534
Verifications	0	97	852	0	0	2,268	0	1,577	0	0	0	3,899	8,693

Table 21. Status of Hatchery Genetic Management Plans

Region	Watershed	Program	Stock	Type of Activity (initial take)	ESUs IMPACTED	Status to Completion	Final Sub to NMFS
HD	Deschutes	Hood R. CHS	066/050W	adult coll.	M. Columbia steelhead	Final to NMFS	01/22/01
HD	Deschutes	Hood R. STW	050W	adult coll.	L. Columbia steelhead	Final to NMFS	01/22/01
HD	Deschutes	Hood R. STS	050W	adult coll.	L. Columbia steelhead	Final to NMFS	01/22/01
HD	Deschutes	Deschutes R. STS	066W	adult coll.	M. Columbia steelhead	Final to NOAA	04/13/04
HD	Deschutes	Deschutes R. CHS	066	adult coll.	M. Columbia steelhead	Final to NOAA	04/05/04
NE	Grande Ronde	Imnaha R. STS	029	adult coll.	Snake R. steelhead	Submitted to LSRCP	12/?/02
NE	Grande Ronde	Wallowa STS	056	releases	Columbia R. bull trout	Submitted to LSRCP	12/?/02
NE	Grande Ronde	Imnaha R. CHS	029	adult coll.	Snake R. chinook	Submitted to LSRCP	12/20/02
NE	Grande Ronde	Catherine Cr. CHS	201	adult coll.	Snake R. chinook	Final to NMFS	12/27/02
NE	Grande Ronde	Lostine R. CHS	200	adult coll.	Snake R. chinook	Final to NMFS	12/27/02
NE	Grande Ronde	U. Grande Ronde R. CHS	080	adult coll.	Snake R. chinook	Final to NMFS	12/27/02
NE	Grande Ronde	Lookingglass Cr. CHS	081	adult coll.	Snake R. steelhead	Final to NMFS	12/27/02
NE	John Day	Umatilla R. STS	091	adult coll.	M. Columbia steelhead	Final to NOAA	07/19/05
NE	John Day	Umatilla R. Co	091	adult coll.	M. Columbia steelhead	Under Fish Division review	
NE	John Day	Umatilla R. CHS	091	adult coll.	M. Columbia steelhead	Final to NOAA	02/24/06
NE	John Day	Umatilla R. CHF	045	adult coll.	L. Columbia steelhead	in-development	
NW	M. Coast	Salmon R. Co	033	releases	OR Coast coho	Final to NMFS	11/07/01
NW	M. Coast	Siletz R. Co (STEP)	033W	adult coll.	OR Coast coho	Final to NMFS	10/29/01
NW	M. Coast	Munsel L. Coho (STEP)	038W		OR Coast coho	Final to NOAA	03/20/06
NW	M. Coast	Alsea Hatchery/Lakes RBT	072	releases	OR Coast coho	Final to NOAA	12/28/05
NW	M. Coast	Alsea R. STW	043	releases	OR Coast coho	Final to NOAA	05/28/03
NW	M. Coast	Siletz R. STW	033W	releases	OR Coast coho	Final to NMFS	03/19/02
NW	M. Coast	Siletz R. STS	033	releases	OR Coast coho	Final to NOAA	08/03/05
NW	M. Coast	Siuslaw R. STW	038	releases	OR Coast coho	Final to NOAA	03/22/06
NW	M. Coast	Salmon R. CHF	036	releases	OR Coast coho	Fish Div. review completed	
NW	M. Coast	Yaquina Bay CHF	146	releases	OR Coast coho	Final to NOAA	12/29/05
NW	N. Coast	NF Nehalem R. Co	032/099	releases	OR Coast coho	Final to NMFS	03/27/01
NW	N. Coast	Trask R. Co	034	releases	OR Coast coho	Final to NMFS	09/10/01
NW	N. Coast	Wilson R. STW	121W	releases	OR Coast coho	Final to NMFS	08/09/01
NW	N. Coast	Nehalem R. STW (Fishhawk L.)	099	releases	OR Coast coho	Final to NOAA	12/12/05
NW	N. Coast	Nehalem R. STW	032	releases	OR Coast coho	Final to NOAA	09/26/05
NW	N. Coast	Nestucca R. STW (Cedar Creek)	47/47W	releases	OR Coast coho	Final to NOAA	03/12/04
NW	N. Coast	Trask R. CHF	034	releases	OR Coast coho	Final to NOAA	11/14/05
NW	N. Coast	Nestucca R. STS (Cedar Creek)	047	releases	OR Coast coho	Fish Div. review completed	
NW	N. Coast	Nestucca R. CHS (Cedar Creek)	047	adult coll.	OR Coast coho	Final to NOAA	03/17/06
NW	N. Coast	Nest.R./Rhoades P. CHF (STEP)	047W	releases	OR Coast coho	Final to NOAA	06/17/04

Table 21. Status of Hatchery Genetic Management Plans

Region	Watershed	Program	Stock	Type of Activity (initial take)	ESUs IMPACTED	Status to Completion	Final Sub to NMFS
NW	N. Coast	Trask R. CHS	034	releases	OR Coast coho	Final to NOAA	11/02/05
NW	N. Coast	Whiskey Cr. CHS (STEP)	034	releases	OR Coast coho	Final to NOAA	3/22/06
NW	N. Coast	Trask R. STW	047	adult coll.	OR Coast coho	Final to NOAA	11/07/05
NW	N. Coast	Big Creek STW	013	adult coll.	L. Columbia steelhead	Final to NOAA	03/03/05
CRM	Lower Columbia	Big Creek CHF (Tule)	013	adult coll.	L. Columbia steelhead	Final to NOAA	10/24/05
CRM	Lower Columbia	SAB Fall Chinook (Rogue stock)	052	adult coll.	L. Columbia steelhead	Final to NOAA	09/28/05
CRM	Lower Columbia	Big Creek Coho	013	adult coll.	L. Columbia steelhead	Final to NOAA	08/19/05
CRM	Lower Columbia	SAFE Coho**	011/014	adult coll.	L. Columbia steelhead	Final to NOAA	09/28/05
NW	Lower Columbia	SAFE Spring Chinook	022/024	adult coll.	U. Willamette chinook	Final to NOAA	09/28/05
NW	L/M/U Columbia	Bonneville CHF (URB)	095	releases	L. Columbia steelhead	Final to NOAA	09/16/05
NW	Lower Columbia	Bonneville Coho	014	adult coll.	M. Columbia steelhead	Final to NOAA	09/28/05
NW	N. Willamette	Clackamas R. STW	122W	adult coll.	L. Columbia steelhead	Final to NMFS	10/25/01
NW	N. Willamette	Sandy R. STW	011W	adult coll.	L. Columbia steelhead	Final to NMFS	03/06/02
NW	N. Willamette	Sandy R. CO	011	adult coll.	L. Columbia steelhead	Public review completed	
NW	N. Willamette	Sandy R. CHS	011	adult coll.	U. Willamette chinook	Public review completed	
NW	N. Willamette	Clackamas R. STS	024	adult coll.	L. Columbia steelhead	Under Fish Div Review	
NW	N. Willamette	Sandy R. STS	024	adult coll.	L. Columbia steelhead	Under Fish Div Review	
NW	N. Willamette	Clackamas R. CHS	019	adult coll.	U. Willamette chinook	Final to NOAA	10/15/04
NW	S. Willamette	N. Santiam CHS	021	adult coll.	U. Willamette chinook	Final to NOAA	02/01/05
NW	S. Willamette	S. Santiam R. CHS	024	adult coll.	U. Willamette chinook	Final to NOAA	02/01/05
NW	S. Willamette	Willamette R. CHS	022	adult coll.	U. Willamette chinook	Final to NOAA	01/14/04
NW	S. Willamette	McKenzie R. CHS	023	adult coll.	U. Willamette chinook	Final to NOAA	01/14/04
NW	S. Willamette	Willamette R. RBT	024	adult coll.	U. Willamette steelhead	Final to NOAA	03/31/05
NW	S. Willamette	Willamette R. STS	024		U. Willamette steelhead	Final to NOAA	02/01/05
SW	Rogue	Rogue R. CHS	052	adult coll.	SONC coho		
SW	Rogue	Rogue R. STS	052	adult coll.	SONC coho		
SW	Rogue	Elk R. CHF	035	adult coll.	SONC coho	Final to NOAA	01/05/06
SW	Rogue	Chetco R. CHF	096	releases	SONC coho	Final to NOAA	02/03/06
SW	Rogue	Chetco R. StW	096	releases	SONC coho	Final to NOAA	03/13/06
SW	Rogue	Rogue R. STW	052	adult coll.	SONC coho		
SW	Rogue	Applegate R. STW	062	releases	SONC coho		
SW	Rogue	Rogue R. Co	052	adult coll.	SONC coho	Final to NOAA	2001
SW	Rogue	Rogue R. ChF	061	releases	SONC coho	in-development	
SW	Umpqua	Coos River Co	037	adult coll.	OR Coast coho	Final to NMFS	08/07/01
SW	Umpqua	Coquille R. Co	044	releases	OR Coast coho	Final to NMFS	08/06/01
SW	Umpqua	Coos River ChF	037	releases	OR Coast coho	Final to NOAA	10/19/05

Table 21. Status of Hatchery Genetic Management Plans **Page 3**

Region	Watershed	Program	Stock	Type of Activity (initial take)	ESUs IMPACTED	Status to Completion	Final Sub to NMFS
SW	Umpqua	Coos River StW	037	releases	OR Coast coho	Final to NOAA	10/19/05
SW	Umpqua	Coquille R. StW	044/144	releases	OR Coast coho	Final to NOAA	10/19/05
SW	Umpqua	Tenmile Lks StW	088	releases	OR Coast coho	Final to NOAA	10/19/05
SW	Umpqua	Tenmile Rainbow Trout	072	releases		in-development	
SW	Umpqua	Coquille R. CHF	044	releases	OR Coast coho	Final to NOAA	10/19/05
SW	Umpqua	N. Umpqua R. CHS	055	releases	OR Coast coho	Final to NOAA	01/26/06
SW	Umpqua	N. Umpqua R. StS	055	releases	OR Coast coho	Final to NOAA	03/08/06
SW	Umpqua	South-Main Ump R. CHF	018/151	releases	OR Coast coho	Final to NOAA	03/13/06
SW	Umpqua	Lower Ump/Smith R. CHF	151	releases	OR Coast coho	Final to NOAA	02/17/06
SW	Umpqua	N. Umpqua R/S. Umpqua R. Co	055	releases	OR Coast coho	Final to NMFS	03/26/03
SW	Umpqua	S. Umpqua R. StW	018	releases	OR Coast coho	Final to NOAA	03/08/06

** Combined HGMP for SF Klaskanine R. Coho, L. Columbia R. Coho (SA), and L. Columbia R. Coho (EC)

Table 22. Fish Feed Purchased in 2005 **Page 1**

Facility	Manufacturer	Cost	Pounds
Alsea	Skretting	$10,622	18,920
	Silver Cup	$60,428	178,500
Bandon	Bio-Oregon	$10,794	17,643
	Silver Cup	$580	2,000
Bonneville	Bio-Oregon	$131,614	127,923
	Skretting	$4,080	4,268
	Silver Cup	$12,777	38,000
Big Creek	Bio-Oregon	$95,233	121,983
	Skretting	$18,267	32,076
Butte Falls	Bio-Oregon	$329	176
	Skretting	$8,564	17,732
	Rangen	$11,313	35,150
Cascade	Bio-Oregon	$11,419	11,404
	Skretting	$78,129	102,923
Cedar Creek	Bio-Oregon	$27,010	52,571
Clackamas	Bio-Oregon	$32,047	60,072
Cole Rivers	Bio-Oregon	$222,797	373,200
	Skretting	$27,589	62,818
	Rangen	$22,643	65,487
Elk River	Bio-Oregon	$33,715	62,537
	Skretting	$1,507	1,936
Fall River	EWOS	$3,205	3,344
	Skretting	$1,584	1,576
	Silver Cup	$16,429	50,120
Gnat Creek	Bio-Oregon	$6,775	8,156
Irrigon	Bio-Oregon	$9,861	20,112
	Silver Cup	$71,779	213,000
Klamath	Skretting	$12,806	19,580
	Silver Cup	$18,613	52,150
Leaburg	Bio-Oregon	$18,363	28,676
	Skretting	$20,600	39,996
	Silver Cup	$16,001	46,000
Lookingglass	Bio-Oregon	$29,829	18,480
Marion Forks	Bio-Oregon	$19,576	31,292
	Skretting	$49,559	64,900
McKenzie	Bio-Oregon	$93,187	141,494
North Nehalem	Bio-Oregon	$12,878	25,601
	EWOS	$1,113	2,024
	Silver Cup	$18,175	57,400
Oak Springs	Bio-Oregon	$16,024	20,693
	EWOS	$38,217	51,128
	Silver Cup	$39,909	109,400
Oxbow	Bio-Oregon	$7,698	10,066
	Skretting	$42,283	74,696
Roaring River	Bio-Oregon	$30,337	34,680
	Silver Cup	$65,848	198,050

Table 22. Fish Feed Purchased in 2005 **Page 2**

Facility	Manufacturer	Cost	Pounds
Rock Creek	Bio-Oregon	$57,265	93,040
	Silver Cup	$1,768	5,000
Round Butte	Bio-Oregon	$18,904	16,609
	EWOS	$14,168	23,672
	Skretting	$26,179	51,854
Salmon River	Bio-Oregon	$9,225	15,177
	Skretting	$11,960	25,036
	Silver Cup	$1,414	4,000
Sandy	Bio-Oregon	$31,459	55,700
	Skretting	$5,875	7,304
South Santiam	Bio-Oregon	$38,546	84,653
	Skretting	$5,513	13,375
Trask	Bio-Oregon	$16,286	28,133
	EWOS	$7,786	11,660
	Silver Cup	$3,564	10,750
Umatilla	Bio-Oregon	$44,226	81,154
Wallowa	Skretting	$248	308
	Silver Cup	$8,736	26,000
Willamette	Bio-Oregon	$27,487	44,209
	Skretting	$140,516	249,936
	Silver Cup	$50,392	97,440
Wizard Falls	Bio-Oregon	$4,993	11,250
	Skretting	$19,794	31,800
Total by Vendor	Bio-Oregon	$1,057,877	1,596,684
	EWOS	$64,489	91,828
	Skretting	$485,675	821,034
	Rangen	$33,956	100,637
	Silver Cup	$386,413	1,087,810
	Grand Total	**$2,028,410**	**3,697,993**

Table 23. Fish Sales Reported by Private Hatcheries in 2005

SPECIES	DEALER NUMBER	DEALER NAME	FISH	POUNDS
Bluegill	5838	Columbia Catfish and Bass	1,441	270
	1113	Santiam Valley Ranch	2,444	nr
	SPECIES TOTAL		**3,885**	**270**
Bullhead Catfish	1113	Santiam Valley Ranch	211	nr
	SPECIES TOTAL		211	
Channel Catfish	5838	Columbia Catfish and Bass	26	35
	1113	Santiam Valley Ranch	1,980	nr
	SPECIES TOTAL		2,006	
Crappie	6193	Alan G. Morris	5	nr
	5838	Columbia Catfish and Bass	567	100
	1113	Santiam Valley Ranch	484	nr
	SPECIES TOTAL		1,056	
Gambusia (Mosquitofish)	1113	Santiam Valley Ranch	11,940	nr
	SPECIES TOTAL		11,940	
Largemouth Bass	6193	Alan G. Morris	108	nr
	6620	Clear Creek Rainbow Ranch 2	2	1
	5838	Columbia Catfish and Bass	84	40
	1113	Santiam Valley Ranch	2,928	nr
	SPECIES TOTAL		3,122	
Pumpkinseed	1113	Santiam Valley Ranch	619	nr
	SPECIES TOTAL		619	
Rainbow Trout				
	1079	Blue Den Ranch	21,650	5,020
	1104	Brian Trout Ranch	102,600	6,412
	6620	Clear Creek Rainbow Ranch 2	80,549	18,903
	1081	Desert Springs Trout Farm	350,333	194,273
	4855	Eagle Creek Trout Ranch	300	200
	2960	Four Springs Ranch	2,800	3,220
	5011	Fox Valley Fish Hatchery	2,768	2,300
	6245	Frontier Country Trout Pond	50	50
	6354	Have Fish Will Swim	879	930
	6641	Island Springs Hatchery	43,340	17,780
	1087	Lake's Trout Farm, Inc.	22,880	7,047
	6223	Lostine River Trout Farm	8,500	1,560
	2110	Mike Kaiser's Rainbow Farm	20,900	9,800
	4856	Prairie Springs Trout	200	100
	SPECIES TOTAL		657,749	267,595
Sturgeon	4856	Prairie Springs Trout	10	1,000
	SPECIES TOTAL		10	1,000

nr = not reported

Table 24. Stock Codes Used by ODFW Fish Propagation

01	ST. PAUL PONDS
01U	ST. PAUL PONDS - UNKNOWN BROOD YEAR
01W	ST. PAUL PONDS WILD
02	NECANICUM R AND TRIBS
03	RES. REDBANDS
04	MIAMI RIVER AND TRIBS
05	FLORAS CREEK & NEW RIVER
05U	STEP RELEASES - UNKNOWN BYR & STOCK
06	EUCHER CREEK AND TRIBS
07	WINCHUCK RIVER AND TRIBS
08	HUNTER CREEK AND TRIBS
09	WHISKEY CREEK
10	SCOGGINS CREEK, TUALATIN RIVER
11	SANDY RIVER STW/CO/CHS
11F	SANDY RIVER STW
11W	SANDY RIVER WILD STW/CO/CHS
12	OXBOW
13	BIG CREEK (BIG CR HAT) TULE OR STW
13C	BIG CR/KK TULE CHF
13W	BIG CREEK/MARMOT CR TRAP TULE OR STW
14	TANNER CREEK - TULES OR COHO
14M	1494 & 1394 FROM BO MIXED @ STAYTON PD
15	KLASKANINE RIVER TULES OR COHO
16	EAGLE CR (CASCADE HATCHERY)
17	PISTOL R AND TRIBS
18	COW CR. (S. UMPQUA)
19	CLACKAMAS R EARLY CHS (EAGLE CREEK COHO)
19W	MARMOT CR TRAP CHS
20	CLACKAMAS R LATE (EAGLE CR-STW) OR CO
20W	CLACKAMAS R LATE-COHO
21	N SANTIAM RIVER
21M	21 & 24 FOR CEDC,19 & 21 FOR BPA PROJECT
22	MID WILLAMETTE R (WI HATCHERY)
22C	MID WILLAMETTE R (WI HATCHERY) COMBINED
23	MCKENZIE R (MCKENZIE HATCHERY)
23C	MCKENZIE R (MCKENZIE HATCHERY) COMBINED
24	S SANTIAM(ORIGIN: SKAMANIA WA)STS
24M	301-WA(SKAMANIA STK)STS/CHS/ SO.SANTIAM
24W	MARMOT CR TRAP STW
25	FALL CREEK RESERVOIR (CARSON)
26	FALL CREEK RESERVOIR (WILLAMETTE)
27	MIAMI R.
28	WILLIAMSON RIVER
29	IMNAHA R AND TRIBS.
29C	IMNAHA RIVER NATIVE AND HATCHERY STOCK
29W	IMNAHA RIVER NATIVE
29X	IMNAHA R AND TRIBS. (WILD & HATCHERY)
30	YAQUINA R
30W	YAQUINA RIVER (WILD)
31	FALL CREEK (ALSEA R)
31W	FALL CR TRAP (ALSEA R) WILD
32	N FK NEHALEM AND TRIBS
32B	N FK NEHALEM AND TRIBS BROOD STOCK
33	SILETZ R (SILETZ HATCHERY)
33W	SILETZ R - WILD
34	TRASK R (TRASK HATCHERY)
34W	TRASK R (WILD)
35	ELK R (ELK R HATCHERY)
36	SALMON R (SALMON R HT)
37	COOS RIVER
37M	COOS RIVER MIXED
38	SIUSLAW RIVER
38C	SIUSLAW RIVER - COMBINED STOCKS
38W	SIUSLAW RIVER-WILD STW
39	BURNT HILL CREEK
40	MAIN NEHALEM & TRIBS.
41	ROUND BUTTE HATCHERY
42	MAINE
43	ALSEA R AND TRIBS (EX FALL CR)
43B	ALSEA R & TRIBS (EX FALL CR) BROOD STOCK
43W	ALSEA R & TRIBS (EX FALL CR) WILD
44	COQUILLE R (BANDON HATCHERY)
44M	COQUILLE RIVER
45	WASHINGTON (URB'S)
46	BUTTE FALLS HATCHERY
47	NESTUCCA R (CEDAR C.HAT)
47F	F1 STW NESTUCCA R (CEDAR C.HAT)
47M	NESTUCCA R (CC HAT) & SILETZ R (SS HAT)
47W	NESTUCCA R (CEDAR CR HATCHERY) WILD
48	DIAMOND LAKE
49	FALL R HATCHERY
50	HOOD RIVER
50W	HOOD R WILD STW/STS START 3-98 DIST-PROJ
51	KLAMATH HATCHERY
52	ROGUE RIVER-COLE RIVERS HATCHERY
52W	WILD STEELHEAD-ROGUE RIVER
53	OAK SPRINGS HATCHERY
53B	OAK SPRINGS HATCHERY - BROOD STOCK
53T	OAK SPRINGS TRIPLOIDS
54	ROARING RIVER HATCHERY
55	UMPQUA R (ROCK CREEK HATCHERY)
56	WALLOWA RIVER
56M	WALLOWA SUPPLEMENTAL - CAUGHT IN FALL 03
57	WILLAMETTE RIVER
58	WIZARD FALLS HATCHERY
58B	WIZARD FALLS HATCHERY - BROOD STOCK
59	LEABURG HATCHERY-LONG TOM STOCK
60	USF&W (EXCEPT HAGERMAN)
61	LOWER ROGUE RIVER
62	APPLEGATE RIVER
62W	WILD STEELHEAD-APPLEGATE RIVER
63	EEL LAKE

63C	63 COMBINED WITH 88=BENSON STK
64	DAVIS LAKE
65	KLAMATH LAKE
66	DESCHUTES RIVER
66B	DESCHUTES RIVER - BROOD STOCK
66M	DESCHUTES RIVER MIXED
66W	DESCHUTES RIVER (WILD)
66Z	DESCHUTES RIVER (CAPTIVE BROOD STOCK)
67	PAULINA LAKES-WAS EAST LK
68	WICKIUP RES.
69	ODELL LAKE
70	CANADA
71	CALIFORNIA
72	WA TULES CRSN/COWLITZ OR CAPECOD RAINBOW
72M	WA TULES CRSN/COWLITZ OR CAPECOD RAINBOW
72T	CAPECOD RAINBOW TRIPLOIDS
73	MONTANA
74	WYOMING
75	CARSON WA-CHS
76	KILCHIS R (COAL CR)
77	HAGERMAN IDAHO (URB'S)
78	PARSNIP RES.
79	CRESCENT LAKE
80	UPPER GRANDE RONDE (LOOKINGGLASS)
80F	UPPER GRANDE RONDE (WILD, CAPTIVE, F1)
80W	UPPER GRANDE RONDE (CONVENTIONAL PRGRM)
80Z	UPPER GRANDE RONDE (CAPTIVE BROOD PRGRM)
81	LOOKINGGLASS CREEK
82	COLORADO
83	DETROIT RES.
84	LOBSTER CR (ROGUE)
85	IDAHO
85B	RAPID R SURROGATE BROOD STOCK (8595) '96 EXPERIMENT
85W	SPRING CHINOOK
86	UTAH
87	IRRIGON HATCHERY
88	TEN MILE LKS (EX EEL LK)
89	FOSTER RES.
90	SUTTLE LAKE
91	UMATILLA RIVER
91W	UMATILLA RIVER WILD-FISH
92	GOLD LAKE
93	N TWIN LAKE
94	MANN LAKE
95	COLUMBIA R (UPR RIVER BRIGHTS)
95M	COLUMBIA R (URB'S) - INCLUDES 45,91,110
96	CHETCO R (JACK CR TRAP)
97	SNAKE RIVER
98	COWLITZ R
99	FISH HAWK LK (NEHALEM R)
100	PAMELIA CT-ORIGIN:CHELAN WA 72'S
101	FALL BROOD, WALLOWA HATCHERY STOCK
101W	LOWER COLUMBIA WHITE STURGEON (WILD)
102	WARM SPRINGS
103	DESERT SPRINGS RAINBOW
105	TAHKENITCH
105W	TAHKENITCH (WILD-FISH)
106C	SANDY ADULT SPRING CHINOOK
110	LITTLE WHITE SALMON WA URB'S-BEGIN 92
111	LEWIS RIVER (SPEELYAI HAT) EARLY COHO
112	PUGET SOUND X SILETZ (OREAQUA STOCK)
113	SILTCOOS
114	KALAMA FALLS-START 92-TULE OR EARLY COHO UPPER/LOWER
115W	COLUMBIA RIVER WARMWATER FISH - WILD
116	GRAY'S HARBOR, WA
117	ELOKOMIN HATCHERY, WA EARLY COHO
118	GOLDENDALE (RAINBOW)
119	HACKLEMAN CR/FISH LAKE
119B	HACKLEMAN CR/FISH LAKE BROOD STOCK
119W	HACKLEMAN CR/FISH LK-WILD BROOD STK
120	IDAHO (LOST RIVER)
121	WILSON RIVER STEELHEAD
121F	WILSON R STW (WILD, CAPTIVE BRED,F1 GEN)
121W	WILSON RIVER STW (WILD)
122	MARKED-WILD STW TAKE/FARADAY TRAP CL HAT
122W	UNMARKED-WILD STW-RETURNED TO CL/FARADAY
123	HOSMER LAKE NATURAL TROUT & AS
124	BC (STW) 13'S COLL @CL FOR NEW BROODSTK
125	COLUMBIA RIVER PINK SALMON
126	PLYMPTON CR-CHF ASTORIA HI-VO0104 WAS 15 START JUNE 1996
127	CRANE PRARIE RAINBOW
127B	CRANE PRARIE BROOD RB
127F	CRANE PRAIRIE PROGENY OF RB BROOD STOCK
127W	CRANE PRAIRIE RB FOR WILD BROOD STOCK
130	SIMTUSTUS LK-NATURAL
137	MILLICOMA RIVER-STARTING WITH 94 BROOD
143	ALSEA RIVER WILD
144	SOUTH FK COQUILLE-BEGINNING 92 BROOD
145	SILETZ STK COHO (YAQUINA BAY) BEG 95 BRY
146	YAQUINA SALMON RANCH (CHF) SILETZ STK
146W	YAQUINA SALMON RANCH (CHF) SILETZ WILD
150	MILL CR TRIB/UMPQUA R/CHF-BEG 10/96 STEP

150C	RC 18'S MIXED WITH 150'S BY STEP VO2014
150W	MILL CR TRIB/UMPQUA R/CHF-STEP WILD
151	SMITH R (CHF/CO) STEP-VO2014 BEG 10/97
151W	SMITH R (CHF/CO) STEP-VO2014 WILD
152	N. TOUTLE RIVER (WASHINGTON)12/20/99
153	LOWER CROOKED RIVER
153B	LOWER CROOKED RIVER - BROOD STOCK
153W	LOWER CROOKED RIVER WILD
154	UPPER CROOKED RIVER
156	WILD RAINBOW FOR BREEDING EXPERIMENT
157	TRIPLOIDS RAINBOW
158W	THREE CREEKS LAKE WILD
171	EAGLE LK RB FROM CDF/KLAMATH HATCHERY
175	RAINBOW FISH CREEK>UMPQUA R
175B	RAINBOW OUT OF FISH CREEK>UMPQUA TRIB
195	COLUMBIA R (LWR RIVER BRIGHTS)
200F	LOSTINE CR (WILD, CAPTIVE BRED, F1 GEN)
200W	LOSTINE CR (CONVENTIONAL PROGRAM)
200Z	LOSTINE CR (CAPTIVE BROODSTOCK PROGRAM)
201	CATHERINE CR
201F	CATHERINE CR (WILD,CAPTIVE BRED,F1 GEN)
201W	CATHERINE CR (CONVENTIONAL PROGRAM)
201Z	CATHERINE CR (CAPTIVE BROODSTOCK PROGRAM
301	WASHINGTON (SKAMANIA HAT STOCK) STW STS
302	OMAK WA (LAHONTAN CT) BEGIN 96
303	PRIEST RAPIDS (URB'S) BEG 96 BRY
304	FORD WA 72'S (BT) BEGIN 98
364	BROOK TROUT
364B	BROOK TROUT/FORD HATCHERY WA
500	WARM WATER RELOCATION CHICO GAME FISH FM
500W	REDEAR SUNFISH
501	UNKNOWN ORIGIN STW @ CLACKAMAS HATCHERY
502	HOOD R (STRAYS KILLED FOR CWT)
503	UNKNOWN ORIGIN STS @CLACKAMAS HATCHERY
503W	BELLERUD STOCK (NE OR BULL TROUT ONLY)
504	UNKNOWN ORIGIN - COLUMBIA RIVER
504W	UNKNOWN ORIGIN WILD - COLUMBIA RIVER
505	UNKNOWN HATCHERY STRAYS
507	BIG CR HAT BY HOOD R WILD CROSSES
508	LEAVENWORTH COHO
509	CONSERVATION HATCHERY IMPROV. PROGRAM CO
551	FISH CREEK>N UMPQUA RAINBOW
551F	FISH CREEK>N UMPQUA RAINBOW F1 GEN.
551W	FISH CREEK>N UMPQUA RAINBOW WILD
600	TROUT RELOCATION
600W	TROUT RELOCATION (WILD)