

FISH PROPAGATION ANNUAL REPORT 2023



Round Butte Fish Hatchery (1997)

OREGON DEPARTMENT OF FISH AND WILDLIFE
4034 FAIRVIEW INDUSTRIAL DRIVE SE
SALEM, OR 97302

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EDITED BY GABRIEL T. GARZA AND LOGAN N. KENT

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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 operates hatcheries throughout the state based on the best scientific principles to provide fish for sustainable commercial and recreational harvests, meeting state commitments to tribal treaties, and helping to recover naturally spawning populations of salmon and steelhead. 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. Information about the Oregon Plan can be viewed at <http://www.oregon-plan.org>

The Native Fish Conservation Policy, which provides a basis for managing hatcheries in balance with sustainable production of naturally produced native fish. The complete text of this policy is at <http://www.dfw.state.or.us/fish/CRP/nfcp.asp>

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. This policy can be found at <http://www.dfw.state.or.us/fish/hatchery>

The Fish Health Management Policy, which describes measures that minimize the impact of fish diseases on the state's fish resources. This policy can be viewed at <http://www.dfw.state.or.us/fish/hatchery>

In addition to these salmon and hatchery specific state policy and plan guidelines, ODFW's propagation 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 two separate regions: Eastern and Western. The headquarters consists of the Director's office and seven divisions: Fish, Wildlife, Information and Education, Information Systems, Human Resources, Administrative Services, and Management Resources. 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 within the Fish Division: Operations, Columbia River and Marine, and Inland Fisheries. Inland Fisheries is divided into the Fish Propagation, Recreational Fisheries, Facilities and Screens, and Conservation and Recovery subprograms.

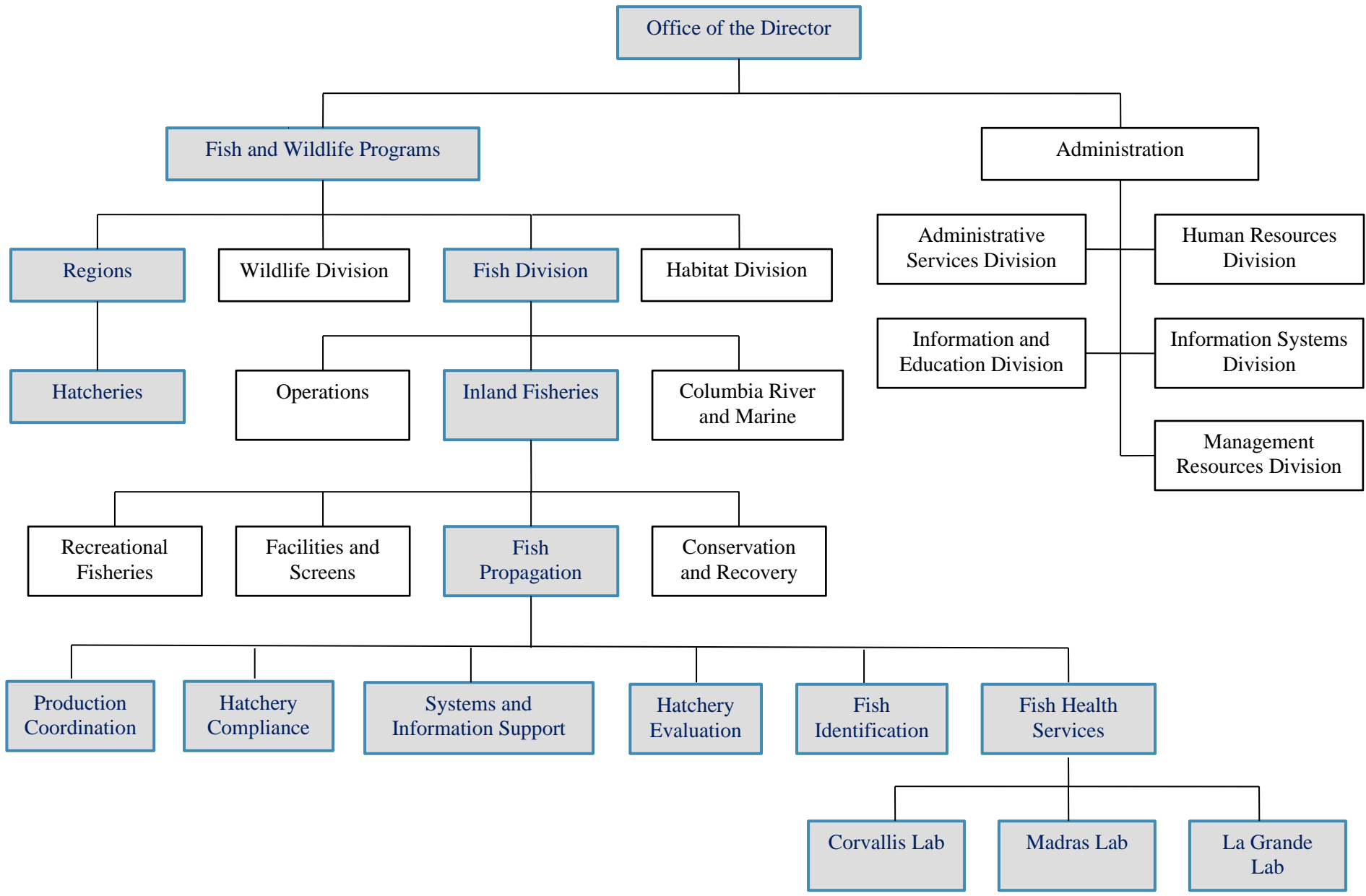


Figure 1. Oregon Department of Fish and Wildlife Propagation organization

The Fish Propagation section is situated within Inland Fisheries. The section oversees and coordinates hatchery production, fish marking for stock identification of releases and recoveries, hatchery information and systems support, hatchery compliance, hatchery production evaluation, and fish health services (Figure 1).

Facilities

In 2023 ODFW Fish Propagation operated 32 hatcheries, 5 off site rearing ponds, and 8 smolt acclimation / adult trapping facilities (Figure 2). Many of ODFW's hatcheries have been in continuous operation from the early 1900's and have been upgraded to varying degrees as funding permits. Others began operations within the last 40 years. For a listing of ODFW hatcheries see **Table 1 – Oregon Department of Fish and Wildlife Fish Hatcheries**. Information on individual hatcheries can be found online at <http://www.dfw.state.or.us/fish/hatchery>.

ODFW hatcheries administered 224 positions during 2023. Some of which consist of 28 hatchery managers, 20 supervisors, 25 senior technicians, 93 hatchery technicians, 4 facility operations specialists, 4 facility maintenance specialists, and 2 grounds maintenance worker / laborers. In addition, there are 2 regional fish liberation coordinators and 3 regional hatchery coordinators.

Some programs are carried out at facilities operated by the Salmon and Trout Enhancement Program (STEP), which was established in 1981 by the Oregon Legislature to achieve the recovery and sustainability of the state's native Salmon and Trout through the education of Oregon's citizens and their involvement with fish management efforts.



Bonneville Fish Hatchery

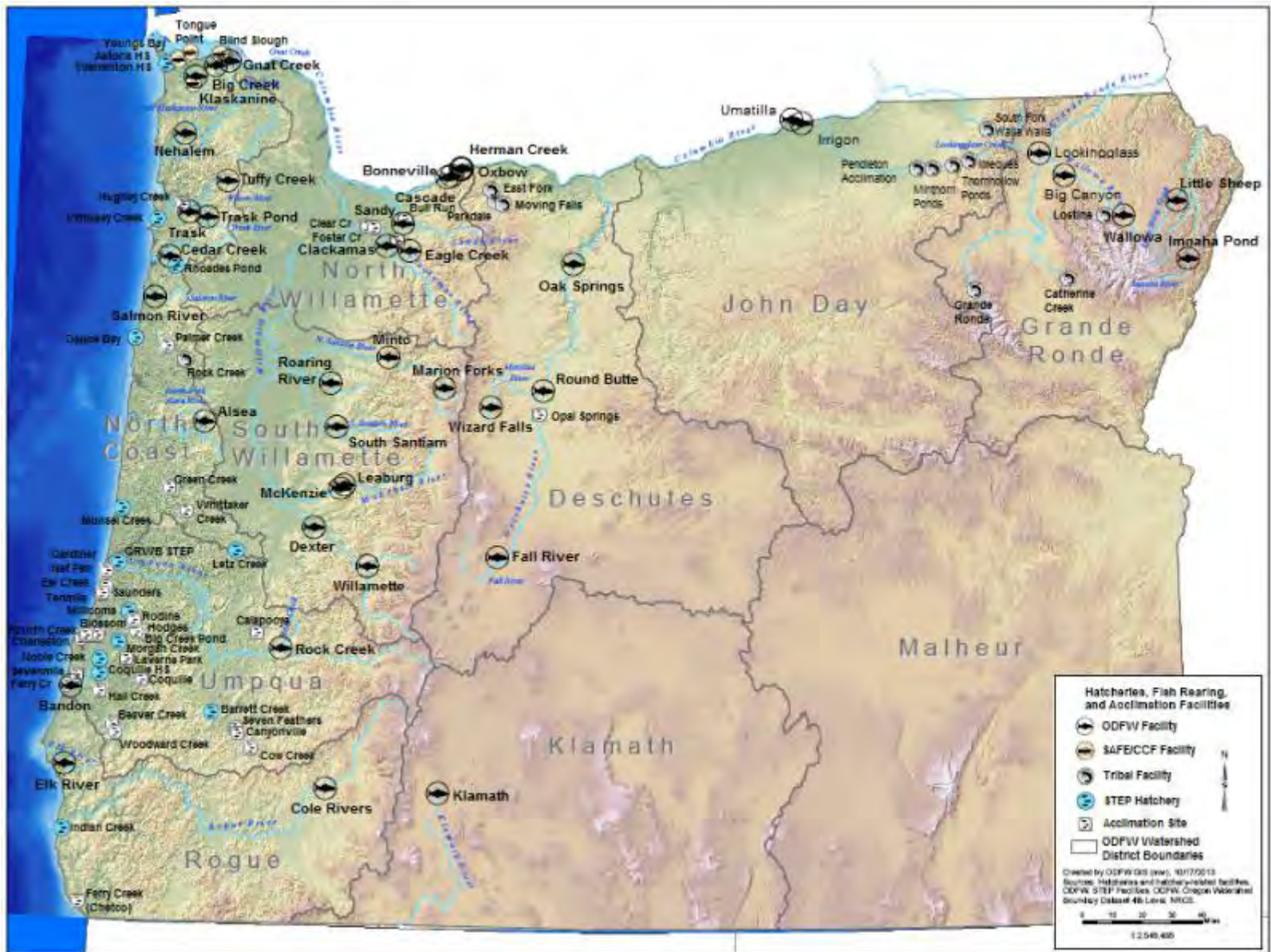


Figure 2. Fish rearing facilities utilized by ODFW Fish Propagation



Ryan Couture (Hatchery Coordinator W-S) and son Taylor Couture (FW Tech at S. Santiam) removing eggs from female S. Santiam spring Chinook during hatchery production spawning in 2023.

Some activities, including adult collection and spawning and smolt acclimation are carried out at sites operated by other entities. For a listing of these sites see Table 2 - Other Facilities Utilized for Fish Propagation Activities. ODFW hatcheries range in production levels from large facilities like Cole M. Rivers Hatchery with a 2023 production of 485,377 pounds of fish, to small facilities like Fall River Hatchery with a 2023 production of 22,709 pounds of fish (see Table 3 – Pounds of Fish Raised at ODFW Facilities in 2023).

Funding for the operation of these facilities comes from a variety of sources: 7 are federally funded, 9 are state funded, 14 are funded by a combination of state and federal funds, and one is funded by a power producer. Annual operating costs for these facilities amounted to approximately \$42.5 million in 2023, of which \$27.8 million was provided by federal agencies, \$3.4 million came from state general funds, and \$8.9 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 3 and 4).

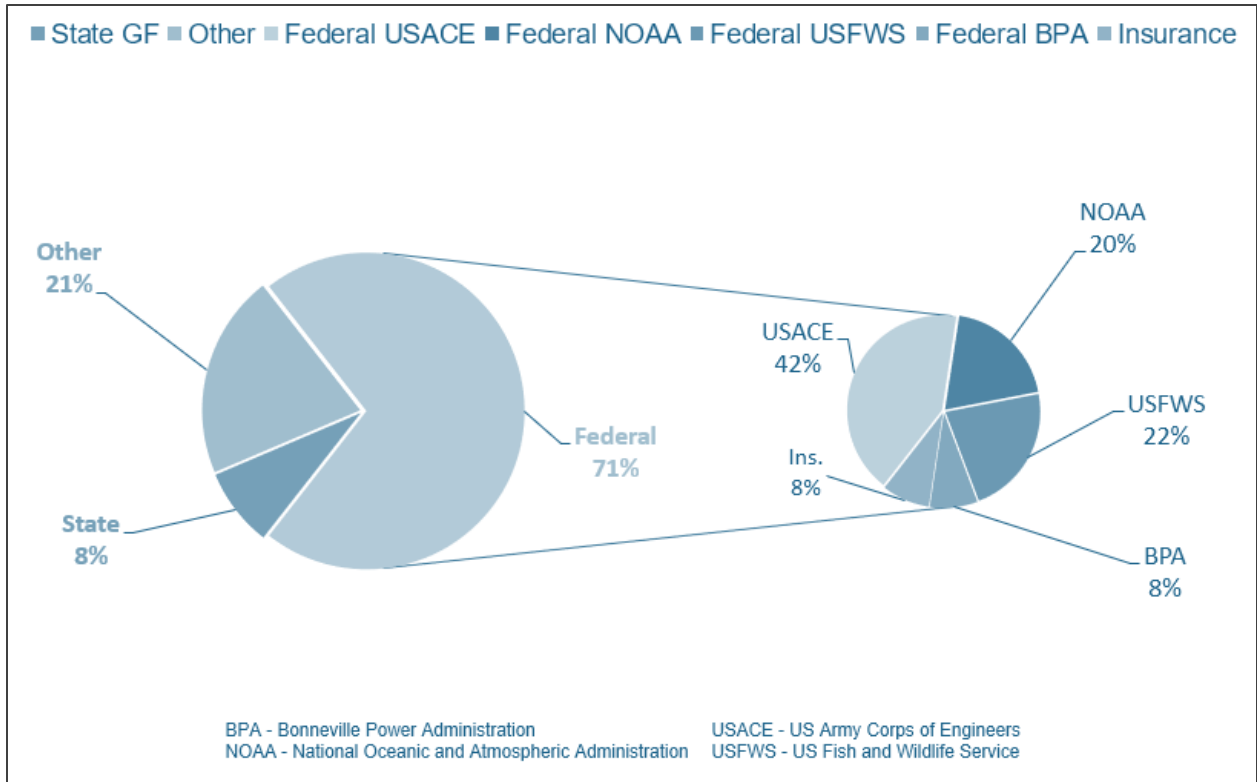


Figure 3. Funding sources for hatchery operation, maintenance, and support

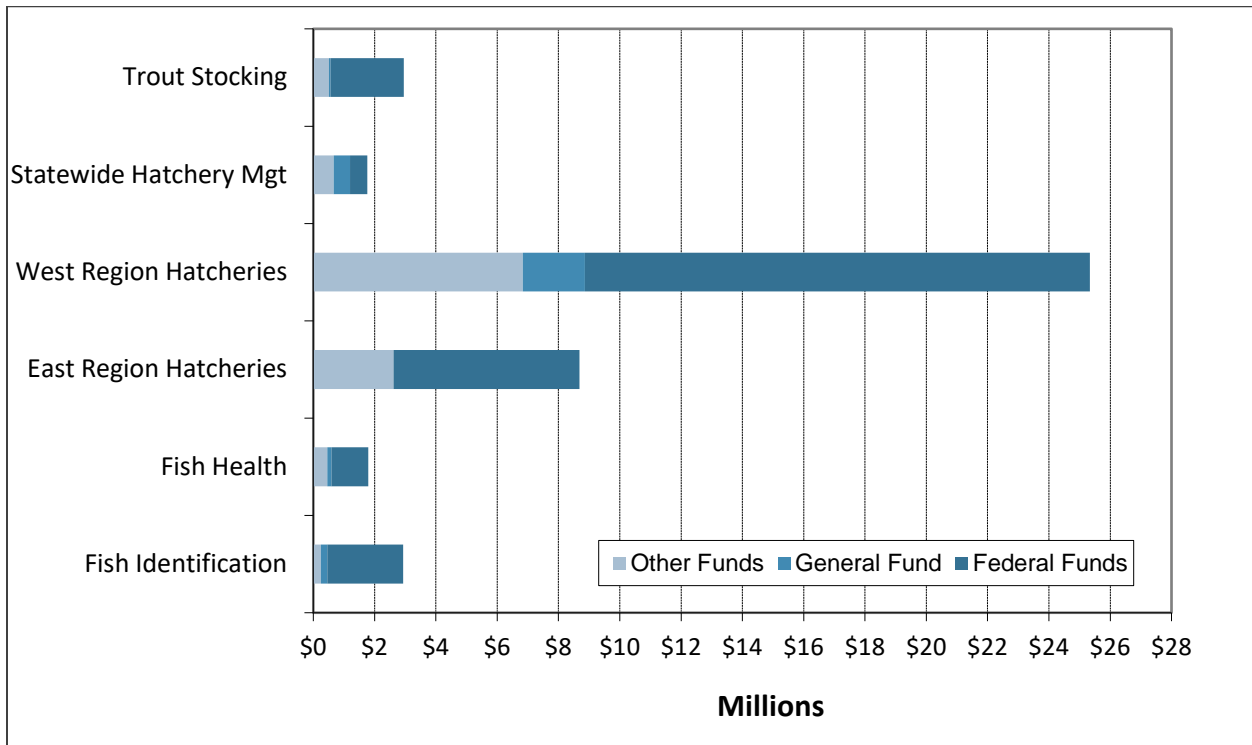


Figure 4. Disposition of funding for hatchery operation, maintenance, and support

Fish Production



Fall Chinook from egg to fry

In 2023 ODFW fish rearing facilities released a total of 44,137,188 fish weighing 3,693,402 pounds (see Table 4 – Numbers and Pounds of Fish Released in 2023).

Programming

The Native Fish Conservation Policy (NFCP) calls for the development of conservation plans for each species management unit (SMU). These plans establish the appropriateness of hatchery fish production, when and where they are released, and the type (conservation versus harvest) and objective of each hatchery program. The Fish Hatchery Management Policy (FHMP) provides guidance on the use of hatcheries in meeting the goals of these conservation plans. The FHMP requires that each hatchery program shall have a Hatchery Program Management Plan (HPMP). An HPMP may be a Hatchery and Genetic Management Plan (HGMP), a Lower Snake River Compensation Plan, or an aspect of a conservation plan developed under the NFCP which describes the program objectives, fish culture operations, facility operations and monitoring and evaluation procedures.

Consistent with the guidelines established in the conservation plans and HPMPs or HGMPs, Salem headquarters fish propagation staff 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 by ODFW regional, district, and hatchery managers as well as federal, tribal, and other agencies with fish management responsibilities. The production schedules include the number 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 fin-marked and coded-wire tagged.

This information is used by the hatcheries to determine the 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

The Fish Hatchery Management Policy sets overall goals for hatchery programs 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 producing populations; and conservation hatchery programs, which operate to reintroduce, maintain, or increase the productivity of naturally produced fish populations. The policy sets guidelines for fish culture operations, hatchery facility operations, program monitoring and evaluation, hatchery record keeping, and training of hatchery personnel.

All ODFW facilities have Hatchery Program Management Plans, which provide general information on the hatchery programs and production goals. The Hatchery Program Management Plans can be viewed online at the ODFW Hatchery Information web page: <http://www.dfw.state.or.us/fish/hatchery/>. These plans are updated annually.

Production Summaries

Throughout the rearing process, the hatcheries submit data and other pertinent information on facility operations and progress in fish rearing. This 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.

The following tables listing propagation information can be found at the end of this report:

Table 1 – Oregon Department of Fish and Wildlife Hatcheries provides contact information for the hatcheries. Figure 2 shows their location on a state map.

Table 2 – Other Facilities utilized for Fish Propagation Activities lists the name and location of facilities that provide support to ODFW hatcheries.

Table 3 – Pounds of Fish Raised at ODFW Facilities in 2023 lists the pounds of each species of fish raised at each facility, a total of 3.78 million pounds. This number includes fish that were reared in the year but not yet released.

Table 4 – Numbers and Pounds of Fish Released in 2023 shows the numbers and pounds of each species and stock of fish released by hatcheries in each region. A total of 44.1 million fish at a combined weight of 3.78 million pounds were reared and / or released into the waters of Oregon.

Of these releases, approximately 38.8 million are anadromous fish (salmon and steelhead) and 5.3 million are resident fish (mainly trout). Figure 5 shows the overall trends of anadromous and resident fish releases in numbers and pounds over the last ten years.

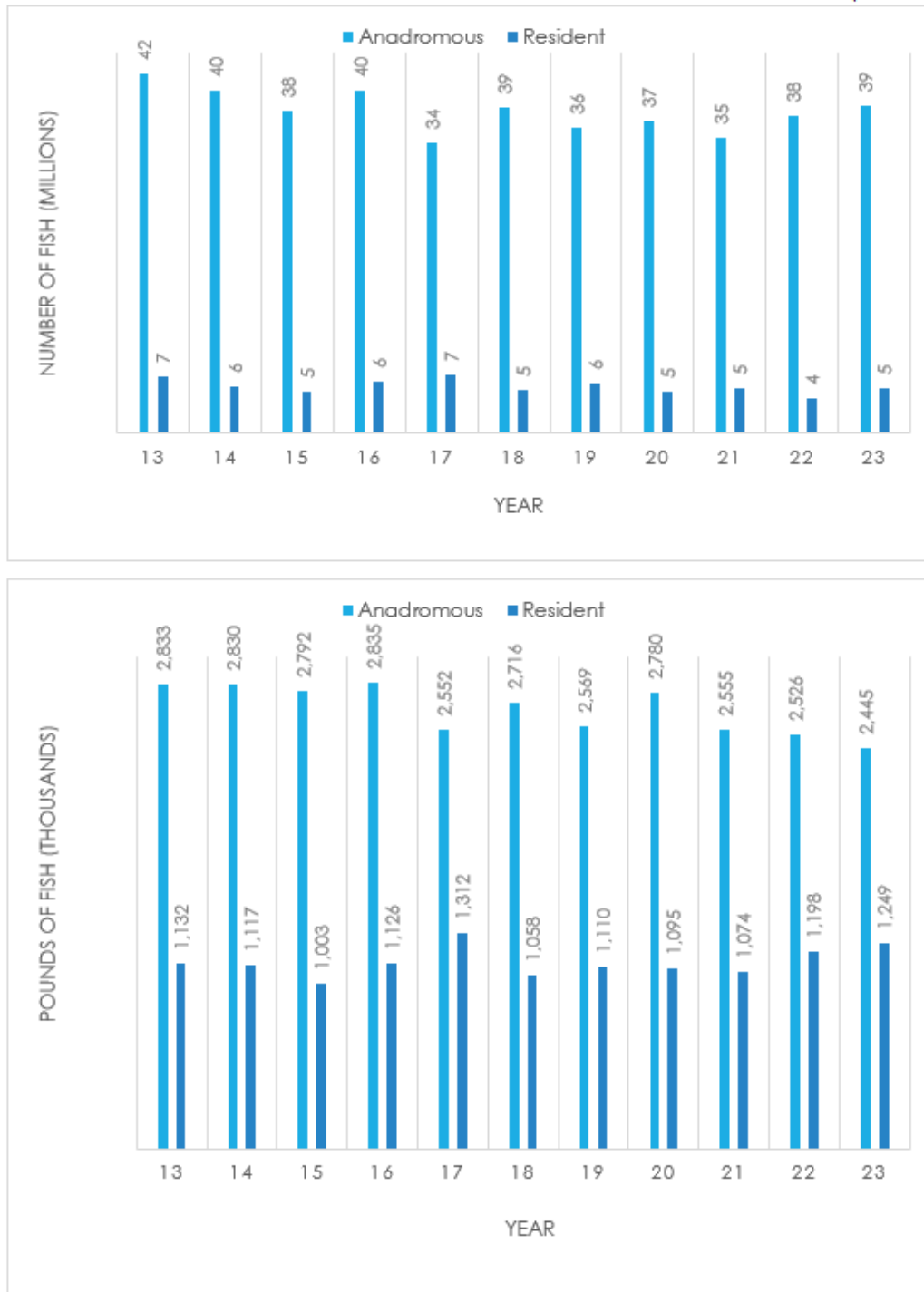


Figure 5. Number and pounds of anadromous and resident fish released in Oregon from 2013 to 2023

Table 5 – Numbers and Pounds of Fish Stocked by Watershed in 2023 shows the numbers and pounds of each species stocked in each of the 18 major watersheds in Oregon. A total of 44.1 million fish weighing 3.69 million pounds were stocked into Oregon’s rivers, streams, lakes, ponds, and reservoirs. The numbers of fish and pounds released shown in Table 5 may be greater than those shown in Table 4 due to the inclusion of fish from sources other than ODFW hatcheries (see Tables 6 and 7).



Left: Mike Bennett (East region) observing fish being pumped onto liberation truck. Right: Bonneville hatchery staff Ken Stewart, Daniel Hughes and Brett Kelly (left to right) crowding ChF 110H21 (URB yearlings) that are being pumped onto liberation trucks for transfer to Pendleton Acclimation ponds.

Table 6 – Fish Produced Outside ODFW Hatcheries for Release in Oregon in 2023 shows the numbers and pounds of fish released in Oregon waters that came from non-ODFW hatcheries. No such fish were released in 2023.

Table 7 - Fish Purchased by ODFW from Private Propagators in 2023 lists fish supplied to ODFW by privately owned hatcheries for stocking in Oregon waters. No fish were purchased from privately owned hatcheries in 2023.

Table 8 – Fish Produced by ODFW Hatcheries for Release Outside Oregon in 2023 lists the numbers and pounds of fish reared at ODFW hatcheries for release in Washington and Idaho. In 2023, this total was 6.75 million fish (105,133 pounds).

Table 9 – Summary of Egg and Fry Rearing at ODFW Hatcheries for Brood Year 2023 summarizes the egg and fry incubation statistics for each hatchery. Nearly 19,000 female fish were spawned to garner an egg take of 69.3 million and approximately 37.4 million fry ponded at ODFW hatcheries.

Table 10 – Triploid Egg Production Statistics provides information on egg production for the triploid trout program. Triploid fish are produced by manipulating the eggs shortly after fertilization, using temperature or pressure shock, 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 predominately sterile, so the genetic impacts of stocked hatchery fish on natural fish populations is greatly reduced. The pressure method is used to create the majority of triploid eggs produced at ODFW hatcheries.

The rate of triploid induction is determined by ODFW 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.

For 2023 over 11 million triploid trout eggs were produced. In addition to triploid trout eggs produced at its hatcheries, ODFW sometimes purchases triploid eggs from outside sources, however this was not done in 2023.

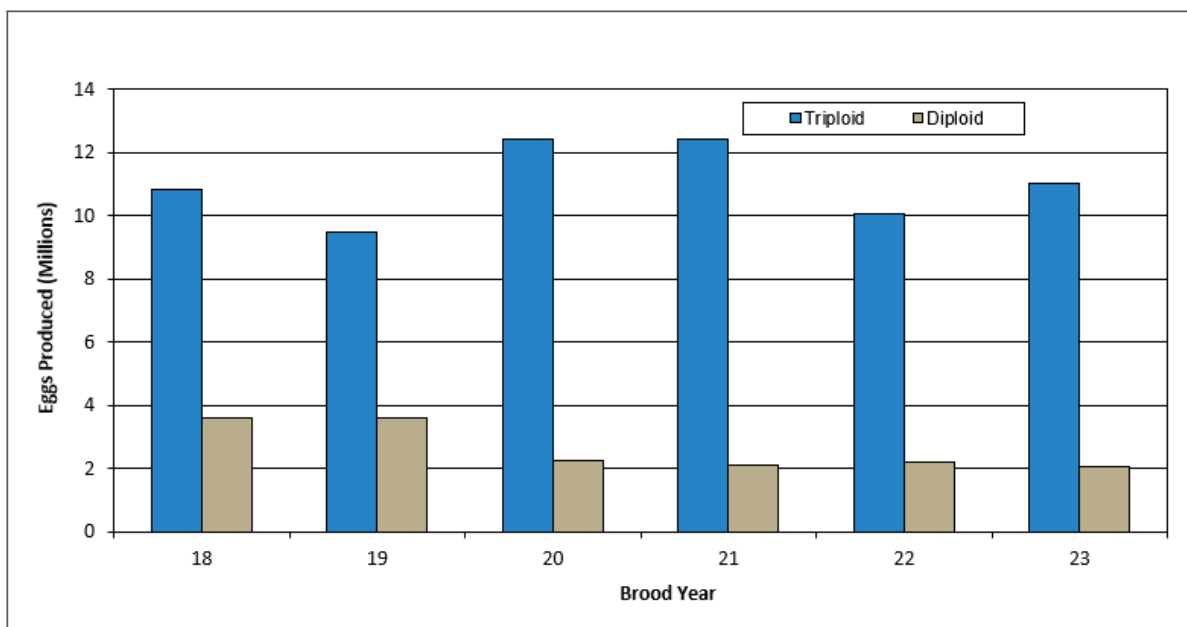


Figure 6. Comparison of triploid and diploid Trout egg production at ODFW hatcheries

Table 11 – Eggs Produced for Shipment to Outside Agencies in 2023 lists eggs sold to private hatcheries and those produced for outside agencies such as federal and tribal programs and other states. In 2023 this was 3.94 million eggs, mostly fall Chinook to Washington.

Table 12 – Fish Loss Reports for 2023 lists major egg and fish losses. The ODFW Fish 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.



Extreme weather events create many challenges to rearing fish and eggs. This flood event occurred at Salmon River hatchery in 2023.

Table 13 – Adult Anadromous Fish Dispositions for 2023 summarizes the returns of adult fish (both naturally produced and hatchery produced) of each species and stock to each adult collection site and the final disposition of these fish. A total of 779 Chum, 39,612 Coho, 37,134 fall Chinook, 36,961 spring Chinook, 68 Sockeye, 9,309 summer Steelhead, and 8,760 Winter Steelhead returned to ODFW hatcheries and trapping facilities. Figure 7 shows the total returns of anadromous adults to ODFW hatcheries over the previous 10 years.

This table also 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 either released 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 remaining 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. Ocean conditions and other environmental factors beyond management control may result in significantly less or more fish than program goals.



Elk River Hatchery staff collecting fall Chinook for spawning

Adult returns exceeding program objectives are managed to provide 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 in accord with fish pathology constraints and basin plans. Consistent with HB 3191, fish health requirements, and stream nutrient loading requirements, 64,541 of 133,210 (48.5%) of salmon collected in Oregon hatcheries were either released or placed directly for stream enrichment in 2023.
- Selling surplus eggs and carcasses from selected facilities to provide revenues to support hatchery programs and facilities. Since 2005, eggs and carcasses have been sold as whole fish to the highest bidder(s).

Table 14 – Adult Carcass Placement for Stream Enrichment lists the numbers of fish placed by location.

Table 15 – Surplus Salmon Carcass Sales in 2023 shows that a total of 28,213 fish weighing 261,937 pounds were sold at a value of \$246,251.

Table 16 – Surplus Salmon Carcasses Donated to Food Banks in 2023 shows that in 2023 approximately 9,766 fish weighing a total of 83,023 pounds were donated to Oregon food banks and other charitable organizations. Providing fish to food share programs benefitting disadvantaged Oregonians. Carcasses that are unsuitable for food or stream enrichment uses are processed for animal feed, rendered, or buried.

Table 17 – Hatchery Produced Fish Provided for Education or Research in 2023 and **Table 18 – Hatchery Produced Eggs Provided for Education or Research in 2023** show that 329,249 fish and 324,273 eggs were provided for Oregon classrooms and research projects in 2023. Providing for experimental, scientific or educational uses is identified in management plans or other ODFW Watershed District agreements.



Ross McDorman (hatchery manager) tosses a salmon carcass to be used for stream enrichment into a tote during spawning at Big Creek hatchery.

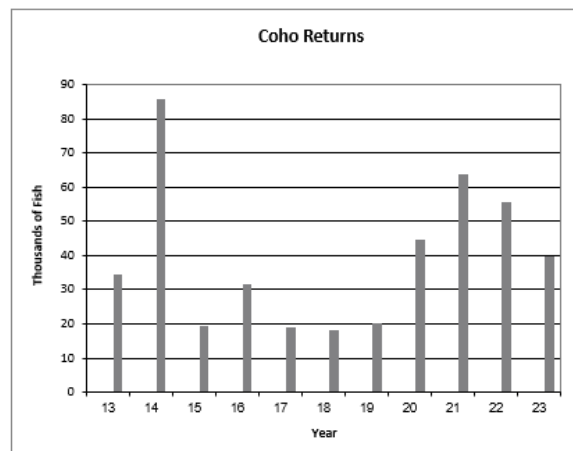
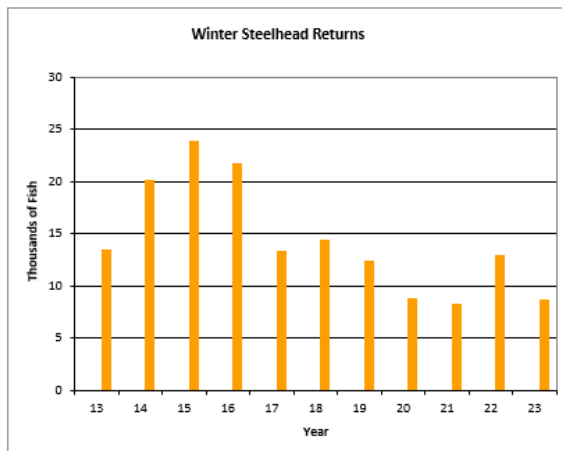
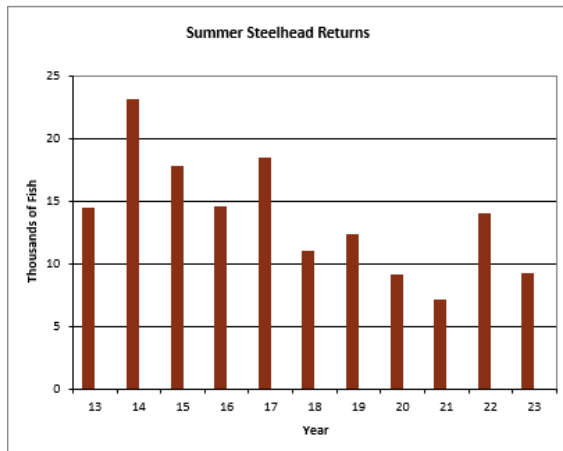
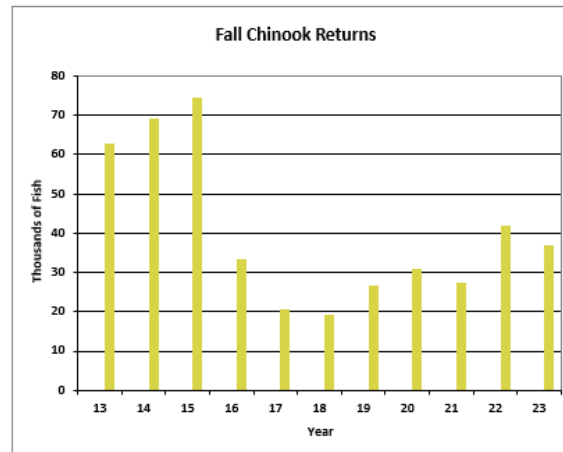
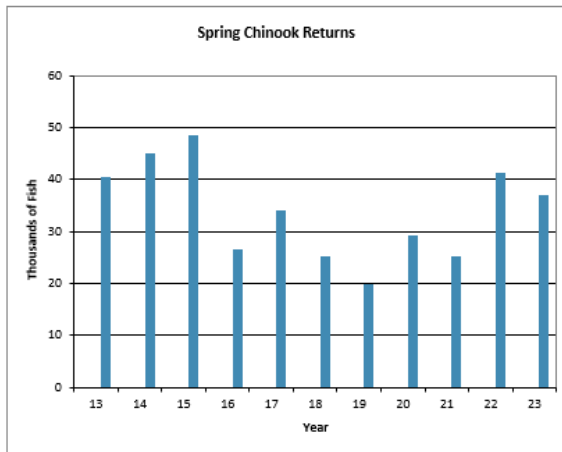
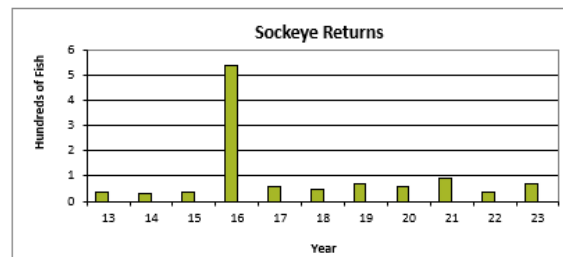
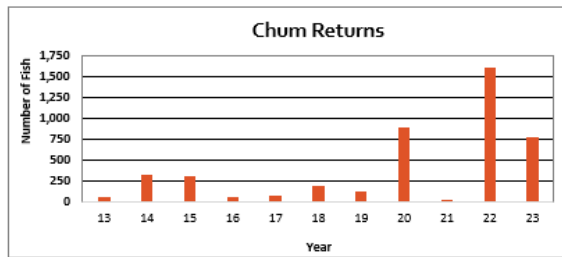


Figure 7. Total anadromous adult returns to all ODFW hatcheries from 2013 to 2023

Technical Services

Fish Health Services

The Fish Health Management Policy calls for restricting the amplification and dissemination of disease agents from both hatchery and naturally produced fish and preventing the introduction of non-endemic pathogens into natural environments. This document is available online at <https://www.dfw.state.or.us/fish/hatchery/>. Fish Health Services staff are responsible for detecting disease agents from fish in ODFW hatcheries and from natural environments, testing trout from private hatcheries for the parasite *Myxobolus cerebralis*, and overseeing the containment and treatment of these agents to minimize impacts on hatchery and native fish populations. Staff conduct regular fish health examinations, investigate increased fish losses, recommend therapeutic treatments, and maintain records of examinations and disease diagnoses.

Fish Health Services operate three diagnostic laboratories located in Corvallis and La Grande with a laboratory in Madras tasked with fish passage studies in the Deschutes River. It employs four fish health specialists, a fish health specialist/virologist, four microbiologist lab technicians, and one project assistant. In 2023, Fish Health Services examined a total of 16,982 fish from hatcheries, state waters, and private entities. In addition, 5,343 fish were examined for viral pathogens.



Bacterial Kidney Disease (BKD)

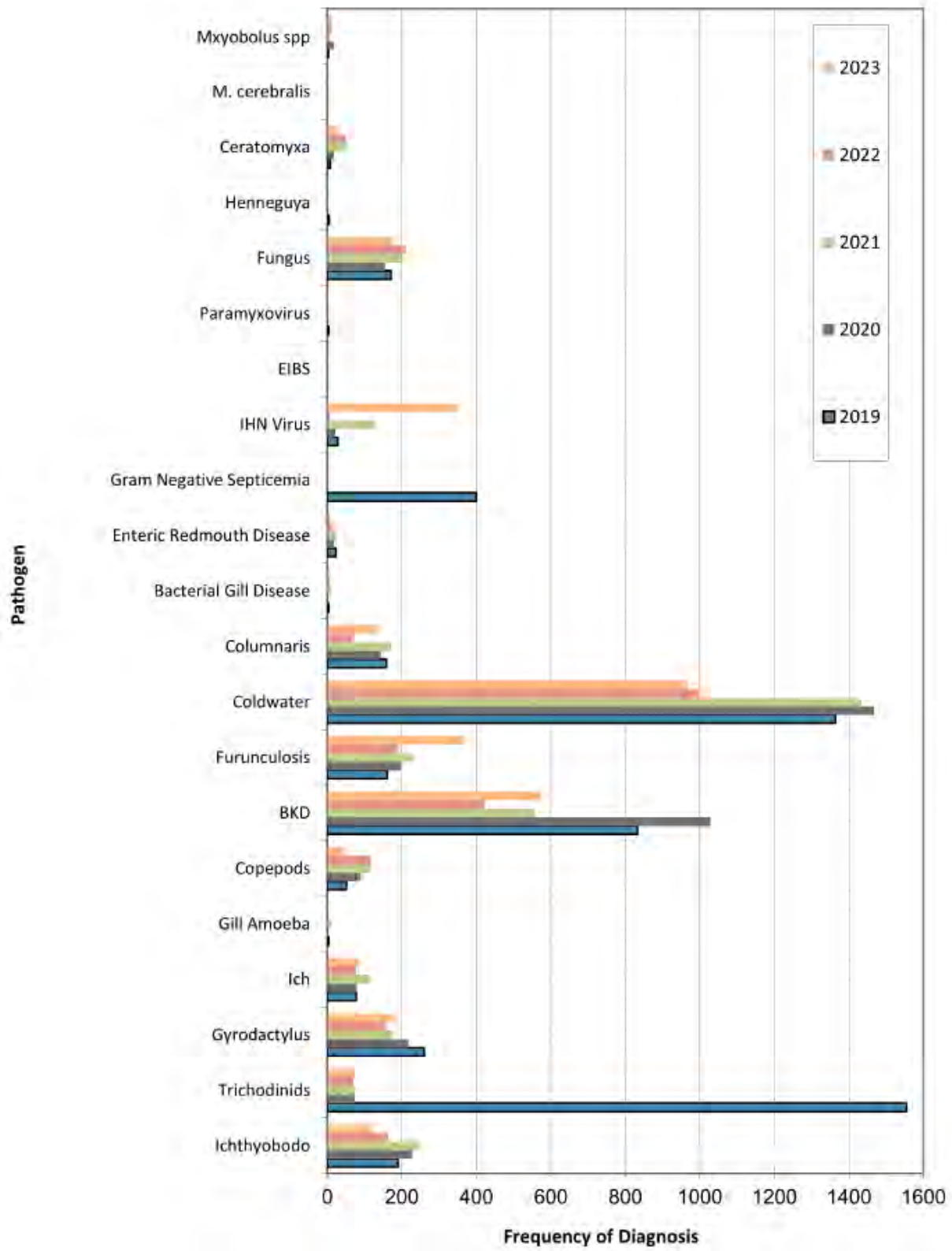


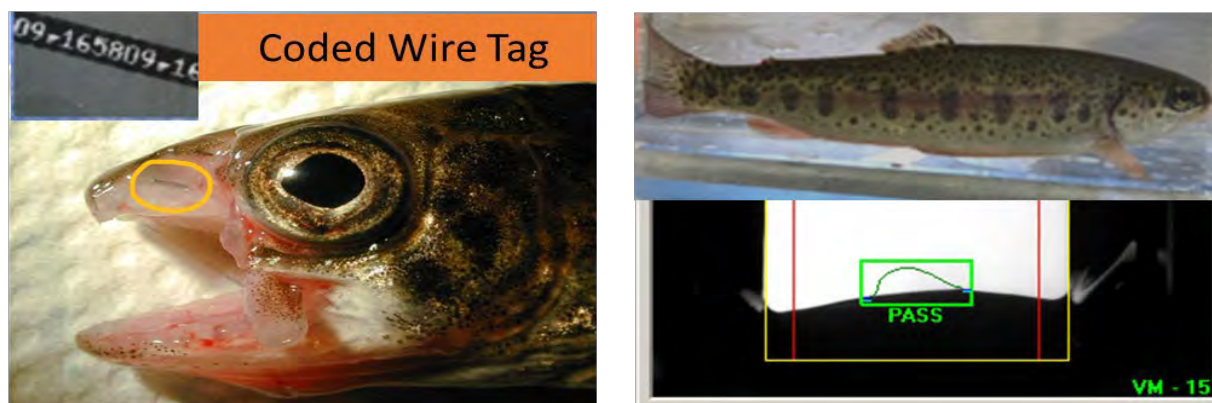
Figure 8. Comparison of the frequency of pathogen diagnoses at ODFW hatcheries from 2019 to 2023

Table 19 – Frequency of Pathogen Diagnosis at ODFW Hatcheries in 2023 provides a summary of the parasitic, bacterial, fungal, and viral agents detected in various species of fish. Figure 8 compares the frequencies of pathogen diagnoses over the past five years. The numbers in this table denote the occurrences where the pathogen was detected in these species in 2023. They may not reflect the total number of fish infected by the pathogen and may not necessarily reflect disease incidence. In addition, Fish Health Services examined 641 naturally reared fish, of which 599 were salmonids. A total of 275 naturally reared fish were examined for viral pathogens.

Table 20 – Frequency of Pathogen Diagnosis in Naturally Reared Fish Survey 2023 summarizes pathogens found in wild fish. Data in these tables and figures indicate number of detections of specific pathogens and do not signify the prevalence of disease. The data is indicative of the number of times that a pathogen was encountered, sometimes in the same fish population several times during the year.

BKD numbers in Tables 19 and 20 represent the total number of individual fish which were above the antigen threshold of 0.1 OD units as determined by ELISA or the total number of individual fish which had at least one *R. salmoninarum* bacterium present by DFAT.

Fish Marking and Stock Identification



***Left: Coded Wire Tag in snout of juvenile fish (and magnified top left)
Right: Freshly adipose fin clipped juvenile Chetco R. winter Steelhead***

The Fish ID Section provides technical services to ODFW's fish hatcheries located throughout the state by marking their respective juvenile salmon and steelhead production each year. The primary mark is removal of the adipose fin as an external flag to identify 100% of the Chinook and Coho hatchery fish production. Of those fish, approximately 16.25% were also marked by insertion of tiny stainless steel Coded-Wire Tags (CWTs) into the snout tissue in 2023. Most coastal research and hatchery management projects depend on representative marking and tagging of the anadromous fish releases and are influenced by the section's operation. Some fish marking also involves removal of the left or right ventral fins and the maxillary. See figures 9 and 10 for ten year trend of fish marking and tag recovery numbers.

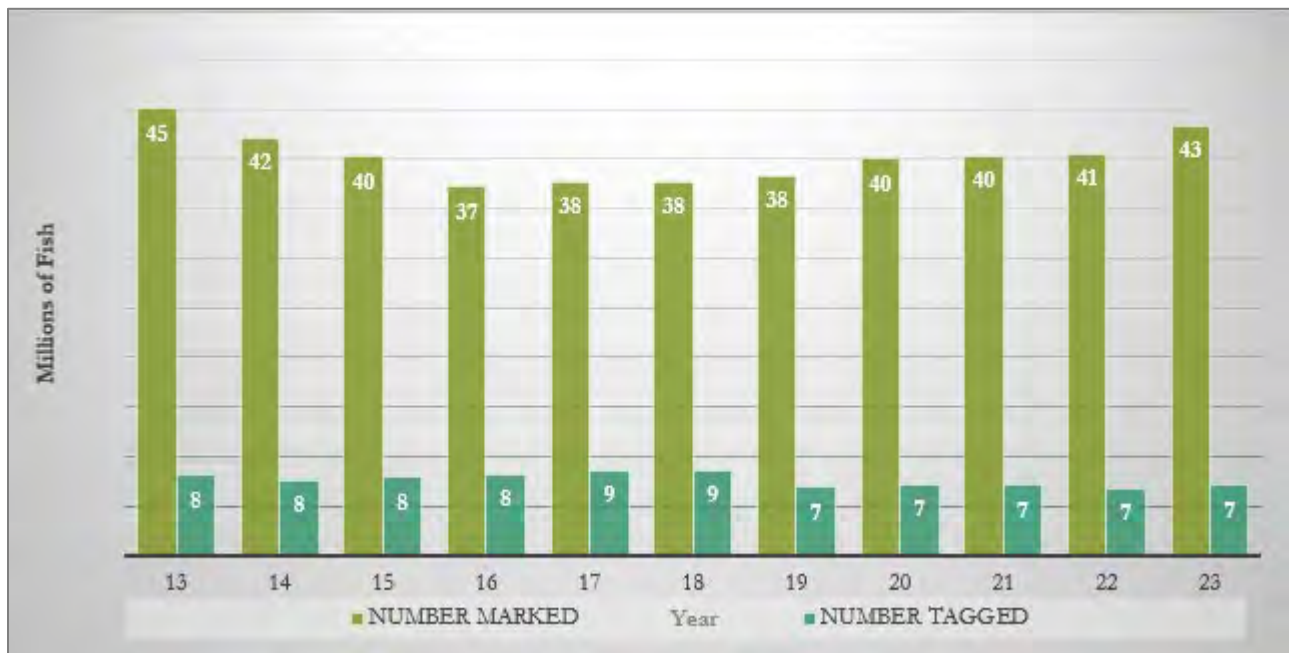


Figure 9. Total numbers of fish marked and tagged from 2013 to 2023

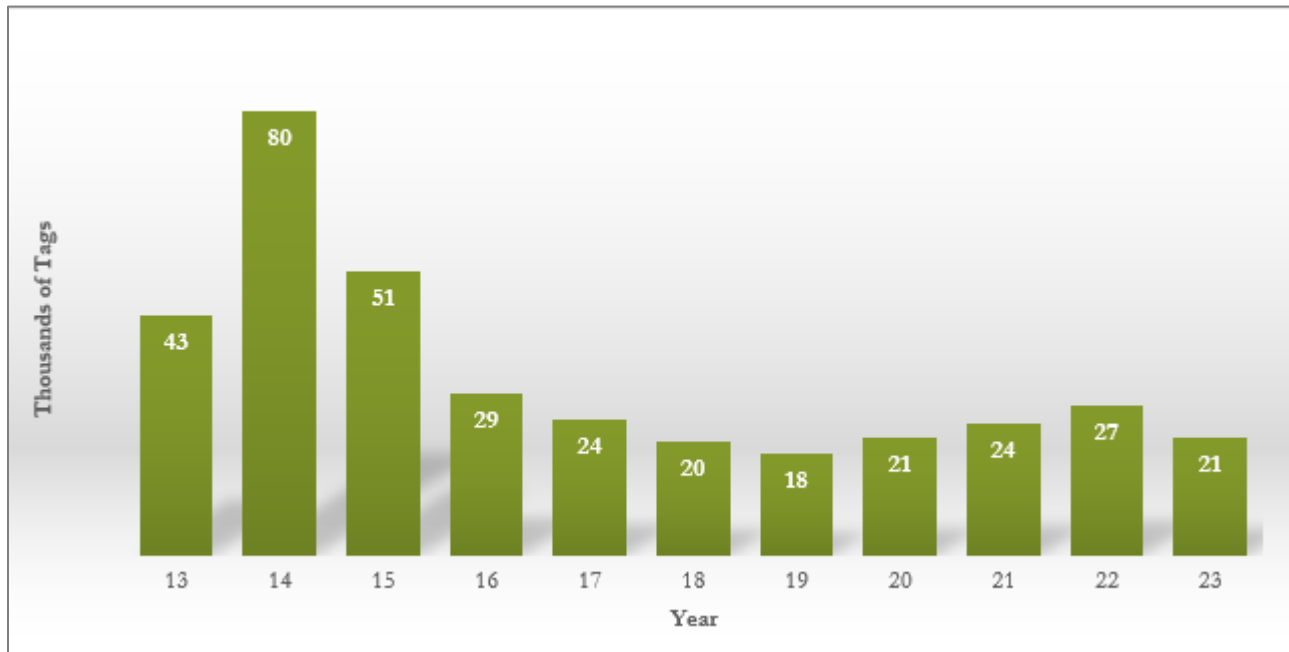


Figure 10. Total numbers coded-wire tags processed from 2013 to 2023

Results of the various fish marking programs are used to manage Oregon’s recreational and commercial fisheries as well as evaluate hatchery production methods. Passive Integrated Transponder (PIT) tags are used on a limited basis in the Columbia River Basin to evaluate fish movement and dam passage.

ODFW’s CWT Recovery Lab in Clackamas is also managed by the Fish ID Section. Lab staff extract, read, and verify CWTs recovered from snouts of adult fish sampled in Oregon’s fisheries and from escapement areas such as hatchery returns and spawning grounds.

The Fish ID Section program employs 12 permanent and two seasonal positions. Program staff operate and maintain 9 mobile marking trailers and their respective electronic sorters, tag injectors, and quality control devices.



Inside a Fish Marking Trailer

Table 21 – Marking and Tagging Summary for Calendar Year 2023 lists the numbers of each species and stock of fish marked and/or tagged at ODFW hatcheries.

Table 22 – Number of Tags Processed in 2023 shows the number of tags recovered and read by the CWT Recovery Lab personnel for each fishery during the year.

As ODFW has moved toward the goal of mass marking all hatchery releases of salmon and steelhead, Fish ID Section’s work load began increasing in 1989 and climbed sharply after 2006 (Figure 9). In meeting this goal, three ‘5 line’ AutoFish marking trailers were purchased in 2004 and one ‘6 line’ hybrid trailer in 2007. More recently, two ‘5 line’ AutoFish trailers were each retrofitted with a second sorter, thus nearly

doubling the number of fish marked during an eight hour shift. The third Auto trailer was upgraded in 2015 to a 6 line AutoFish trailer, which tripled the production of that original 5 line AutoFish trailer.

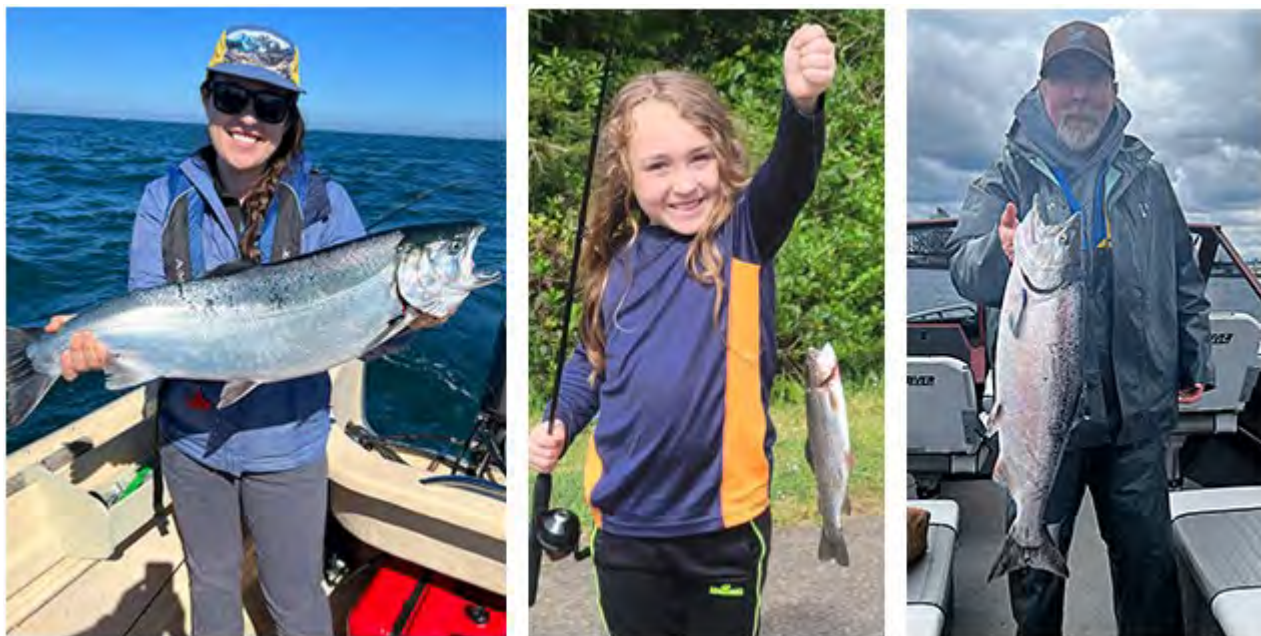
The five AutoFish trailers are also designed to allow for manual fin marking and/or tagging of juvenile fish that are smaller or larger than the size range optimal for the automated marking equipment. Note however that the AutoFish trailers are only capable of removing the adipose fin from juvenile fish by specialized equipment. Any other type of fin clip requires manual removal.



Ocean caught hatchery Chinook salmon bound for retail sale. Note the snout that has been removed for CWT recovery processing.

Hatchery Evaluation

The hatchery evaluation biologist serves as the agency expert on monitoring, evaluation, and assessment of ODFW's hatchery programs by providing information, analysis, and interpretation of the program to state, federal and tribal management entities, universities, private organizations, and the public. This includes coded-wire tagging (CWT) recommendations and guidance to ensure representative tagging of hatchery production groups. Hatchery evaluations are dependent on recovering adequate numbers of CWTs from each fishery stratum to provide an assessment of release groups' performance. Smolt-to-adult returns (SARs), the proportion of CWTs recovered to the number of CWT tagged fish released are used as a performance measure. By associating Smolt Adult Returns (SARs) with the hatchery rearing conditions, release strategies and environmental conditions at time of release for each CWT release group, the hatchery evaluation biologist can provide recommendations to improve the long-term performance of hatchery programs with a focus on maximizing contributions to ocean and freshwater fisheries while minimizing impacts to native stocks. In addition to the analysis of release and recovery data from CWTs associated with hatchery production, the hatchery evaluation biologist also collaborates on research projects, keeps current on research, and provides guidance on how to adaptively manage hatchery production. This includes evaluating the impacts of our warming climate on the survival of production fish.



Left to right: Beth Quillian, Jack Prickett, and Director Curt Melcher - Catching 'em.

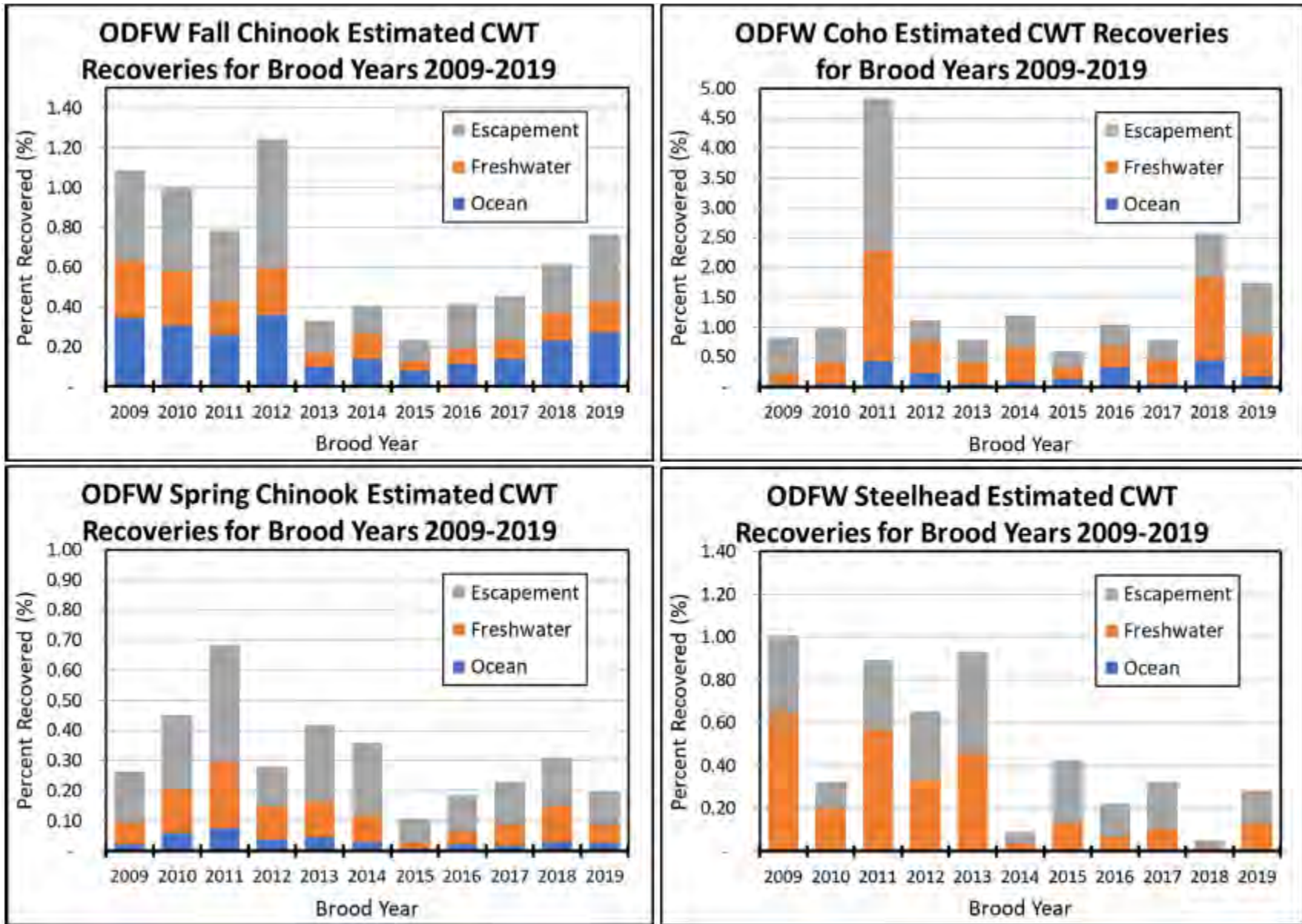


Figure 11. Percentages of coded-wire tags recovered in ocean and freshwater fisheries and escapement for ODFW releases

Figure 11 shows CWT recovery percentages in ocean fisheries, freshwater fisheries, and freshwater escapement for Coho, fall Chinook, spring Chinook, and summer Steelhead. These percentages are based on the most recent ten-year period for which data are available.

Table 23 – Estimated Number of CWT Recoveries for ODFW Hatchery Releases, provides a 10-year summary of each individual coded-wire-tagged fish release and the number of CWT recoveries for each individual group of tagged anadromous fish reared at ODFW and partner hatcheries. Estimated SARs should be considered minimum values and a low overall recovery percentage does not necessarily mean that the release group of fish did not have good survival or high recruitment to certain fisheries. Salmon fishing seasons vary from year to year and therefore have the potential to introduce greater variability into survival estimates. A projected low abundance of a listed or critical stock will constrain the fishery and reduce the number of interceptions and the number of CWT recoveries for the fishery. Many CWT tagged fish are caught or escape to fisheries that are not sampled or are not sampled in a way that allows for estimation of the total number of CWT fish for each stratum. Most freshwater fisheries in Oregon, other than those on the mainstem Columbia River system, are either inconsistently sampled or not sampled for CWTs. Furthermore, due to budget constraints, the number of representative CWTs in release groups and the scope of CWT recovery programs have been reduced resulting in a lower probability of CWTs being recovered in fisheries and on spawning grounds.

Release and recovery data for anadromous fish released on the Pacific Coast can be retrieved from the Pacific States Marine Fisheries Commission online database at: <http://www.rmfc.org/>.

Information Support

This section is responsible for improving and maintaining databases on the headquarters Microsoft Servers for web-based access, 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 CWT data coordinator serves as the Oregon representative on the Data Standards Work Group within the Technical Committee on Data Sharing on the US section of the Pacific Salmon Commission (PSC).

The Hatchery Management System (HMS) application 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 database, where it is error checked and stored. Annual fish production and marking and tagging schedules are developed by information support and then confirmed with hatchery staff and management during annual hatchery production meetings. HMS was updated to a web-based system in 2015.

Coded Wire Tag Fish (CWTF) is the application used to integrate anadromous salmonid related release, recovery, location, and catch sample data within ODFW's Sequel (SQL) server databases. Data are exported per PSC validation specifications for reporting to the Pacific States Marine Fisheries Commission (PSMFC) Regional Mark Information System (RMIS) databases. RMIS

locations and releases are imported to CWTF for recovery dataset reconciliation. CWTF supports entry of salmonid release data, upload of fishery sampling data including from data logger devices housing custom data programs, CWT processing data, and catch sample methods that include estimated CWTs. CWTF is a repository for information on anadromous stock distribution, catch composition, harvest, CWT detection methods and expansions, and success of releases. Data are used by ODFW sport and commercial fishery managers as well as other national and international fishery and hatchery evaluation analysts. The CWT data reporting is a required function of PSMFC member states in accord with the US/Canada Pacific Salmon Treaty.

The Information Support section also coordinates activities associated with Oregon's Salmon/Steelhead/Sturgeon/Halibut Sports Harvest cards. This includes maintaining recreational harvest information.

Administration

The Headquarters (Salem) Fish Propagation staff develop plans and 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 regional hatchery coordinators, of hatchery operations; representation of propagation programs in Fish Division, executive level, and Commission meetings; coordination with other state and federal agencies with regard to programs and funding issues; issuing of fish transfer permits and licenses for private aquaculture; administering various contract services; and handling of routine operational matters. The staff includes the propagation program manager and four staff biologists and one administrative specialist.

Hatchery and Genetic Management Plans

The listing of several salmon and steelhead stocks under the Endangered Species Act has involved the propagation staff in development of Hatchery and Genetic Management Plans (HGMP) for each propagation program, to minimize adverse ecological and genetic impacts to ESA listed fish. 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 hatchery program management plans.

Table 24 – Status of Hatchery and Genetic Management Plans lists the species and stocks under propagation, 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 78 propagation programs; the HGMPs are available for viewing online at: <http://www.dfw.state.or.us/fish/HGMP/final.asp>.

Contracts

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

- The sale of surplus adult salmon carcasses. Adult salmon that are in excess of program needs, including tribal entitlement and other services, are sold to vendors through a competitive bid process to generate revenue for hatchery operations and maintenance. In 2023, sales of surplus salmon carcasses generated \$246,251 (see Table 15 – Surplus Salmon Carcass Sales in 2023).
- The purchase of fish feeds. Four vendors are contracted to supply feeds of different types and sizes, designed to meet the needs of different life stages of the species raised at ODFW hatcheries. In 2023, ODFW hatcheries purchased 2.97 million pounds of feed at a cost of approximately \$4.2 million.

ODFW has historically budgeted for the purchase of trout from private aquaculture as directed by the Oregon Legislature. However, in 2023, private trout contracts remained cancelled due to budget shortfalls.

Table 25 – Fish Feed Purchased in 2023 shows the amount of feed purchased by each hatchery from each vendor (also see figure 12).

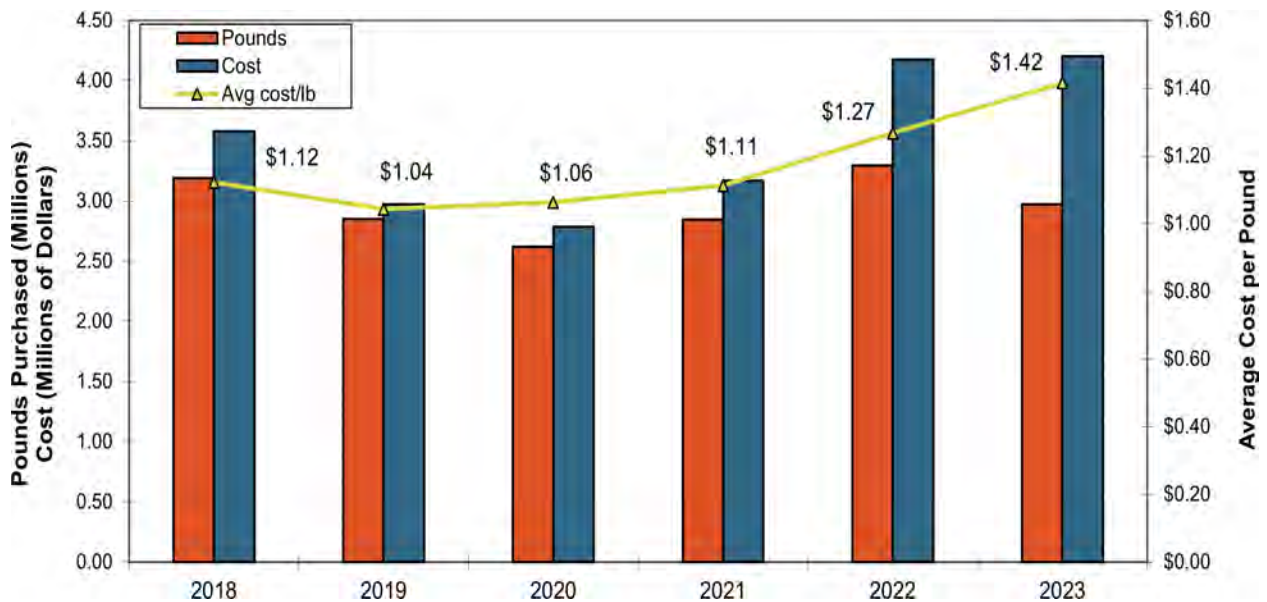


Figure 12. Trends in the amount purchased, cost and average price per pound of all fish feed purchased by ODFW from 2018 – 2023

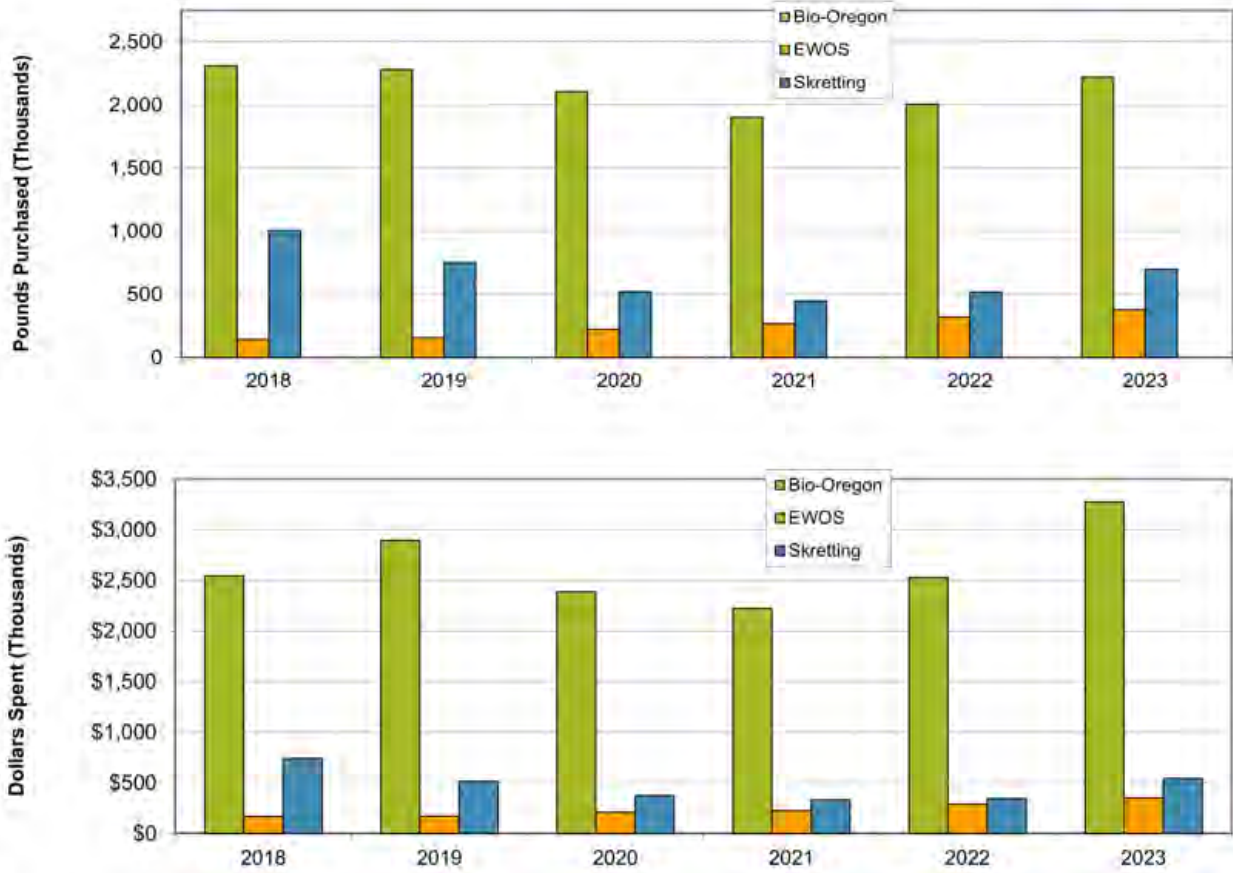


Figure 13. Trends in ODFW feed purchases by vendor from 2018 to 2023

Water Quality Regulations

All ODFW facilities producing more than 20,000 pounds of fish per year or 5,000 pounds in a month are operated under National Pollutant Discharge Elimination System (NPDES) permits to maintain environmental standards of hatchery effluents and to comply with the Federal Clean Water Act. The propagation staff biologist works with hatchery personnel to ensure proper monitoring and accurate reporting of water quality and chemical usage data as required under these permits.

Private Hatchery Licensing

Any person operating a private hatchery or rearing facility for the propagation of game fish or food fish for sale must obtain an annual Fish Propagation License. Propagation staff take part in reviewing new license applications, issue new and renewal licenses, and maintain a list of licensed operators who offer fish for sale to the public. Information on applying for a Fish Propagation License and the necessary forms can be found online at: https://www.dfw.state.or.us/fish/license_permits_apps/fish_propagation.asp. The list of licensed propagators offering fish for sale can be found at: https://www.dfw.state.or.us/fish/license_permits_apps/docs/licensed_operators_who_have_fish_for_sale.pdf.

Table 26 – Fish Sales Reported by Private Hatcheries in 2023 shows that in 2023 there were 23 licensed private facilities in Oregon. Sales reported totaled 119,291 fish and approximately 47,584 lbs.

Fish Transport Permits

Any person transporting, holding, or releasing live fish into, within, or out of the state must obtain a Fish Transport Permit. Fish Propagation staff receive and process applications for these permits from licensed private operators, researchers, and government and tribal agencies and maintain a database of all permits issued. In 2023, 418 Fish Transport Permits were processed.

Fish for Education and Research

Propagation staff answer requests from schools and other government agencies for fish or eggs for educational or research purposes. Table 16 – Hatchery-produced Fish Provided for Education or Research in 2023 and Table 17 – Hatchery-produced Eggs Provided for Education or Research in 2023 list the numbers of fish or eggs provided to each requestor.

Repair and Maintenance



Alsea Hatchery Tree Removal / Septic Tank Repair

Major repair and maintenance projects at ODFW hatcheries are overseen by the Facilities and Screens Section of the Fish Division. In 2006 the Master Maintenance Plan was completed which described repairs needed at ODFW facilities.

Table 27 – Engineering Hatchery Maintenance Projects Completed in 2023 lists the projects that were undertaken at various sites throughout the year.

The hatchery housing maintenance program is funded by the income generated from the rental of government-owned hatchery housing. Maintenance work is completed by hatchery staff or outside contractors.



New Electrical Mainframe, Holding Ponds, and Pipeline at Salmon River Hatchery

Hatchery Related Research and Monitoring Projects

Lower Columbia Chum Reintroduction Project

Historically, over a million adult Chum Salmon (*Oncorhynchus keta*) returned to the Lower Columbia River (LCR) and its tributaries to spawn each fall (McElhany et al. 2004). However, beginning in the 1930s and extending into the 1940s, Chum Salmon experienced precipitous declines in abundance and distribution in the LCR. Cascading effects from river modifications, including diking, channelization, construction, and operation of large dams, led to altered hydrology in tributaries which reduced spawning habitat and access to it. Coupled with modifications to the LCR estuary, predation, and over-harvest throughout the 20th century, only hundreds to thousands of Chum Salmon return to the LCR today, representing a loss of 90% of historical populations (Myers et al. 2006). Remaining populations primarily return to Washington tributaries of the LCR, while returns to Oregon tributaries are so low that they are considered functionally extirpated (ODFW 2006; McElhany et al. 2007). Historical distribution has also been reduced, especially above the Bonneville Dam to Celilo Falls, where only isolated populations remain. In response to these declines, Chum Salmon were listed as Threatened under the Endangered Species Act in 1999 (NMFS 1999; 64 FR 14508).

The loss of Chum Salmon has had important ecological consequences in the LCR. Chum Salmon typically spawn in the lowest reaches of tributaries to the LCR or in shallow water of the mainstem, and their spawning activity can result in fine sediment transport and gravel cleaning. Carcasses may provide a substantial nutrient addition in the stream and riparian area. Chum Salmon fry out-migrate rapidly from their natal stream, such that the nutrient deposits provided by adults are not taken up by fry. Consequently, streams occupied by Chum Salmon may be more suitable for all species of salmon (Bilby et al. 1996).

Given the importance of Chum Salmon, it is a major priority of Oregon Department of Fish and Wildlife (ODFW) to rebuild historical populations in Oregon tributaries of the LCR. To this end, ODFW developed a Chum Salmon recovery strategy (ODFW 2010; updated by the end of 2024) that operates under five organizing principles which guide the efforts of the Program to Restore Oregon's Chum Salmon (PROCS).

Chum Salmon Recovery Strategy Principles & Accomplishments

Principle One: Collaborate on spawning habitat restoration within the historical distribution of Chum Salmon.

- Developed a Chum Salmon spawning habitat protocol and assessed habitat availability and quality in all Coastal stratum recovery populations.
- Consulted on potential habitat restoration projects in the Clatskanie River Recovery Population (e.g., Stewart Creek and Conyers Creek).
- Identified watershed-scale restoration priorities for Chum Salmon both conceptually and through contributing to a strategic action plan in the Big Creek and Youngs Bay recovery populations.

- Continued to monitor water chemistry, temperature, and water height at potential reintroduction sites throughout the LCR.

Principle Two: Establish and maintain a Chum Salmon conservation broodstock.

- Established a Chum Salmon conservation broodstock at Big Creek Hatchery with Chum Salmon eggs from Grays River, WA (2010–2014).
- Transitioned to Chum Salmon eggs sourced from broodstock returns to Big Creek Hatchery (first egg take November 2014).
- Continued to maintain the conservation broodstock at Big Creek Hatchery, supplementing with Grays River Chum Salmon eggs when adult returns were low (2018 and 2019).
- Collected the maximum number of eggs allowable from adult returns to Big Creek Hatchery, allowing for unprecedented releases of over 400,000 fry (2020–2023).

Principle Three: Reintroduce Chum Salmon into areas where they are currently absent, supplement populations at low abundance, or promote recolonization through habitat restoration.

- Experimentally out planted excess adult Chum Salmon returns to reintroduction sites in the Clatskanie River (i.e., Conyers, Graham, Stewart Creeks, and Clatskanie River mainstem) and Big Creek (i.e., Bear, Little Bear, Gnat Creeks) Recovery Populations.
- Experimentally out planted eyed-eggs using remote-site incubators in Perkins Creek (2014 and 2015) and Page Creek (2022 and 2023), tributaries to the Clatskanie River.
- Experimentally released unfed fry reared at Big Creek Hatchery into Page Creek (spring 2023 and 2024) and Gnat Creek (spring 2023 and 2024) to compare different reintroduction methods.
- Investigated potential for creating a spawning channel on the Sandy River Delta to support natural recolonization (2019).

Principle Four: Collect monitoring data on juveniles and adults to serve as a baseline and to determine if reintroduction efforts are increasing population abundance, distribution, productivity, and diversity.

- Continued to conduct spawning ground surveys in areas within the Chum Salmon spawning frame and opportunistically in areas outside the frame with suitable habitat or where reintroduction occurred.
- Continued to operate three outmigrant traps to monitor Chum Salmon fry production from both wild and experimentally out planted adults and to estimate the production of other salmonids in reintroduction sites (Bear Creek, Conyers Creek, and the Clatskanie River).
- Continued to monitor any natural recolonization of Chum Salmon in the Scappoose Creek, Clackamas River, and Sandy River Recovery Populations via eDNA sampling.
- Determined the genetic population structure of Chum Salmon fry in the Oregon portion of the LCR estuary.

- Identified baseline spawning distribution of Chum Salmon in the Upper Gorge population using eDNA.
- Developed length conversion equations and tested observer measurement error for Chum Salmon on the Oregon Coast and in the LCR to ensure collection of accurate monitoring data.

Principle Five: Identify and address limiting factors inhibiting recovery of Chum Salmon in Oregon.

- Evaluated estuary residency and predation risk of Chum Salmon fry out migrating from Big Creek Hatchery.
- Evaluated the infection risk of *Ceratonova shasta* to juvenile Chum Salmon fry migrating through the Columbia River (eDNA to identify distribution of *C. shasta*, sentinel studies to determine infection rates, lab tests of exposure duration).
- Collaborated with NOAA Fisheries to collect juvenile Chum Salmon at sea to determine condition, origin, and survival.

These efforts are further described in the Chum Reintroduction Plan (Homel 2014) and collected data have been summarized in several annual reports (2023–2024 annual report in preparation), two genetics reports, two habitat reports, and five manuscripts (in preparation).

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Small, M. P., K. Homel, and C. Bowman (2014) Genetic assignments of Oregon chum salmon *Oncorhynchus keta* fry in the Columbia River estuary. Technical Report. Washington Department of Fish and Wildlife.

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Smilansky, V., M. Small, and K. Homel (2014) Parentage analysis for Chum salmon fry captured below experimental adult out planting site in Graham Creek, Oregon. Technical Report. Washington Department of Fish and Wildlife.

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Alfonse, B., K. Homel, J. Nunnally, and E. Suring (2017) Chum salmon spawning habitat report for the Big Creek and Youngs Bay populations. Oregon Department of Fish and Wildlife. 124 pages.

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Homel, K. M., M. P. Small, and M. Kissler (2019) Oregon Chum Reintroduction Monitoring 2019: juvenile genotyping. Washington Department of Fish and Wildlife, Olympia, WA, 9 pgs.

Wiley, D. J., and K. M. Homel (2020) Monitoring of juvenile Chum Salmon and other fishes in Oregon tributaries to the Lower Columbia River, Comprehensive Report for 2012–2019. Oregon Department of Fish and Wildlife. 93 pages.

Homel, K., and G. C. Roegner (2020) Migration rates of hatchery Chum Salmon (*Oncorhynchus keta*) fry in the Columbia River Estuary. Information Report Number 2020–03. Oregon Department. 25 pages.

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Homel, K. D. Wiley, K. Smith, and E. Suring (2021) Chum Salmon *Oncorhynchus keta* reintroduction in the Oregon portion of the Lower Columbia River: compilation of data on the conservation broodstock, reintroduction efforts, and juvenile and adult monitoring, Project Report for 2012-2019. Oregon Department of Fish and Wildlife. 119 pages.

Homel K. and J.D. Alexander (2022) Spatiotemporal distribution of *Ceratonova shasta* in the lower Columbia River Basin and effects of exposure on survival of juvenile chum salmon *Oncorhynchus keta*. PLoS ONE 17(8): e0273438.

Smith, K., S. Kirby, K. Homel, M. Lewis, E. Brown, J. Nott, R. Jacobsen, M. Weeber, B. Sounhein (In preparation) Spatial variation in morphometrics of Chum Salmon: length conversion equations and a test of observer error.

Contacts:

Name: Kelcee L. Smith, Chum Salmon Reintroduction Coordinator

Address: Program to Restore Oregon’s Chum Salmon 17330 SE Evelyn St. Clackamas, OR 97015

Phone: (503) 680-4622 Kelcee.L.Smith@odfw.oregon.gov

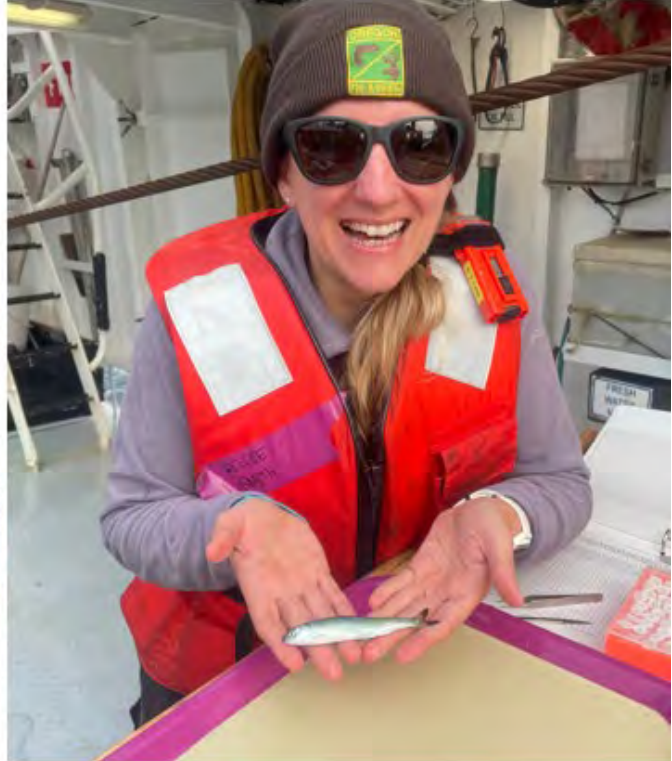
Name: Scott Kirby, Chum Salmon Assistant Project Leader Address: Program to Restore Oregon’s Chum Salmon 93000 Ritter Rd. Astoria, OR 97103

Phone: (503) 842-2741 Scott.Kirby@odfw.oregon.gov

Name: Erik Suring, Project Leader

Address: ODFW- Corvallis Research Lab 28655 Highway 34 Corvallis, OR, 97333

Phone: (541) 286-5328 Erik.Suring@oregonstate.edu



Left: Dave Bugni (Clackamas River Basin Council) samples for eDNA on the Clackamas River in November 2023 in collaboration with PROCS to monitor Chum Salmon in the watershed. Right: Kelcee Smith (ODFW) holds a juvenile Chum Salmon caught at sea in May 2023 on the R/V Frosti during the Juvenile Salmon Ocean Environment Survey conducted by NOAA Fisheries.

Northeast Oregon Fish Research

The goals of these studies are: 1) to evaluate the success of achieving Lower Snake River Compensation Plan (LSRCP) 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 salmon in northeast Oregon. We are conducting an ongoing comprehensive evaluation program for LSRCP activities in Oregon that address the following general guidelines:

Develop and evaluate operational procedures which will meet recovery and compensation goals as well as management objectives, by priority.

Monitor operational practices to document hatchery production capabilities and challenges.

Monitor fish-rearing activities and results to document accomplishment of goals.

Coordinate research and management programs with hatchery capabilities.

Recommend hatchery production strategies that are consistent with endangered species recovery efforts.

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

In 2023, we continued to investigate and compare the post-release performance of juvenile steelhead reared in the Wallowa acclimation pond from November March (i.e., 5 months) with juvenile steelhead that are reared at Irrigon Fish hatchery and then acclimated and released from the Wallowa acclimation ponds in April. Efforts are underway to determine if the two different release strategies are resulting in different rates of residual hatchery steelhead. For the fourth year, all steelhead smolts from the fall brood program were released at Big Canyon.

Managers eliminated the fall brood program. As an alternative, managers are attempting to infuse the desired early return benefits associated with the fall broodstock program into current spawning protocols by spawning adult steelhead caught in the months of September and October from the Lower Grande Ronde into the standard production broodstock. We are continuing to collect creel data using the ArcGIS survey 123 forms for the Summer Steelhead fisheries in the Lower Grande Ronde, Wallowa, and Imnaha rivers. This was the third year of our pilot study to determine the efficacy of using trail cameras to count anglers utilizing the remote fishery near the confluence of the Wallowa and Grande Ronde Rivers (i.e., Rondowa). We are continuing to monitor the various Chinook Salmon smolt release strategies (direct stream and early versus late acclimation). For both the Chinook and Steelhead programs, we are actively working to determine how Parentage-Based Tagging tools can be used to evaluate the smolt-to-adult return and stray rates of hatchery releases.

Contacts:

Joseph.Feldhaus@odfw.oregon.gov

Patrick.J.Keniry@odfw.oregon.gov

Oregon Hatchery Research Center

The Oregon Hatchery Research Center (OHRC) is a collaboration between Oregon State University Dept of Fisheries, Wildlife, and Conservation Sciences (OSU FWCS) and the Oregon Dept of Fish and Wildlife (ODFW). The Center was developed to support basic and applied research into the mechanisms that create differences between wild and hatchery fish, and ways to better manage these differences to meet fishery and conservation objectives. The strategic direction of the OHRC is guided by recommendations from a public board, which meets quarterly. The OHRC Board's annual reports can be found at: <https://www.dfw.state.or.us/fish/OHRC/news.asp>. The annual reports describe linkages between the OHRC's mission, the Board's activities, research conducted through the Center, and management implications of research findings.

The operational research hatchery at Fall Creek near Alesia, OR that originally housed the OHRC has been temporarily closed due to an active landslide upstream that created a hazard for personnel and posed water quality challenges for rearing experimental fish. Operations have shifted to the John L. Fryer Aquatic Animal Health Lab (AAHL) near the OSU campus in Corvallis. We are monitoring water quality at the Fall Creek facility to eventually inform the decision about resuming operations at the end of the next biennium. In the meantime, there is now an OHRC-dedicated wet lab, dry lab, and office space at AAHL for researchers and collaborators to raise fish, run live experiments, and continue their work.

As of 2022, Dr. Seth White is the Director of the OHRC and serves as a Principal Investigator for the Fish Behaviorscapes Lab at Oregon State University. In 2023, Dr. White hired a Faculty Research Assistant (Ashley Sanders) as well as a Masters student (Kayla Kelley), and has since taken on a PhD student (Mimi Obley), another Masters student (Emily Treadway), and a post-doc (Zach Sherker). The lab's work, including the graduate student projects, are in line with the research goals of the OHRC.

OHRC-Funded Projects:

Domestication Selection

The research topic called for in the OHRC Research Plan and led by Dr. Michael Blouin (differences caused by hatchery rearing, or domestication selection) continued through 2023. This work is motivated by the observation that hatcheries appear to select for improved performance in the hatchery, but at the cost of reproductive fitness in the wild (production of offspring that survive to adulthood). The researchers hypothesize that larger size of juvenile steelhead and salmon at time of release from hatcheries is favored (selected for) because it predicts greater survival at sea. Therefore, behavioral or physiological traits that promote fast growth in the novel hatchery environment are likely to be propagated by current hatchery practices, but those traits come at a cost to offspring survival in the wild. Dr. Blouin's lab has investigated how hatcheries might be changed to produce fish that are genetically more like wild fish. This involves testing whether various modifications to the hatchery environment can reduce the variance among families in size at release, which would reduce the opportunity for selection, and thus domestication.

Wild-like Mate Choice

The project headed by Drs. Michael Banks and Heather Auld (testing wild-like mate choice to improve hatchery fish) advanced as planned in 2023. Continuing with Phase 3, 2023 was the

second year wherein all Coho Salmon returning to Sandy Hatchery were offspring from experimental spawns. Through a total of five visits to the hatchery, Dr. Banks and research assistant Dave Jacobson worked with ODFW staff to sample all returns (4,054), that included 3,041 adults (2020 spawn offspring) and 1,013 jacks (2021 spawn offspring). Given the workload associated with manually sampling thousands of Coho per day, they have continued to work with the Hatfield Marine Science Center's Innovation Laboratory to develop a technology to automate sampling. Efficiency gained through this novel device dubbed the "VALUE TAGGER" has potential to transform salmon tagging through providing access to a broad array of new information in near-real-time. Efficiency of digital archive and access will better inform and enable harvest, management & conservation strategies and needs of the future. Primary effort in 2023 has been to develop relationships with Engineers and Industrial Partners including expertise in computer vision and deep learning to add estimation and archive of species, sex, length, weight and condition of hatchery salmon using artificial intelligence (AI) at a rate of 1,000s per day. This partnership also includes an advisory panel of 9 scientists, biologists and professionals from private business, hatcheries, and management agencies distributed across the PNW. The entire team has now developed and completed a compelling proposal currently in review with the National Science Foundation Partnership for Innovation Program. Fingers crossed that a positive selection decision will add an investment of ~\$1,000,000 to this initiative.

Dr. Banks and Dave Jacobson also participated in the Coho Salmon spawn at Sandy Hatchery in 2023, taking and archiving DNA samples from all broodstock. They also continued pedigree analysis of ongoing returns from experimental spawns. This includes jacks and adults from the 2019 and 2020 spawns, and jacks from 2021. Given promising results for all signature sampling points analyzed to date, Dr. Banks has begun to share findings with the community through presentation at 5 different professional science/public venues in 2023.

Olfactory Imprinting

The Olfactory Imprinting Project led by Drs. Andy Dittman, Thomas Quinn, Seth White, and Marc Johnson made progress addressing three key hypotheses of the project: 1) in-river straying increases when salmon can't effectively distinguish the olfactory cues of the hatchery from the river water that supplies the hatchery, 2) rearing of salmon embryos in river water may be beneficial for improving olfactory development and homing fidelity, and 3) the timing of odor exposure and release may be critical for successful olfactory imprinting.

The management-scale field experiment at Elk River Hatchery (ERH) addressing the first hypothesis continued in 2023. The experiment was designed to test whether Chinook salmon exposed to a unique bouquet of amino acids as juveniles display higher homing fidelity to their natal hatchery than control fish not exposed as juveniles, when the same chemicals are added to water leading into the hatchery. This experiment was initiated in 2020, replicated in 2021 and 2022, and treated fish will continue returning through 2026. In early 2023, the third year of the amino acid odors were delivered at the ERH adult return ladder and experimental salmon returning to the Elk River were collected. During the 2023-2024 return year, 1245 experimental salmon were recovered at the hatchery, 192 were recovered in the sport fishery, and 50 were recovered on the spawning grounds. Lab experiments were initiated to test the efficacy of additional complex, less expensive imprinting odor solutions and to develop physiological and molecular markers of

imprinting that will facilitate future assessments of imprinting success. Analyses of these data will be completed by the end of 2024.

To test whether embryonic rearing water influences successful imprinting, a two-brood year study at the ERH was initiated in 2017, wherein embryos were incubated in either Elk River water or well water (per conventional hatchery practice). In June of their first year, juveniles were given treatment- and raceway-specific coded wire tags and released in the fall. Adults from these studies were recovered at the hatchery ladder and spawning grounds in 2019-2022 with the final experimental fish returning Fall 2023. The final returning experimental fish have been recovered at the ERH and Elk River spawning grounds. Coded wire tags will be decoded in 2024 and improvements in homing fidelity will be assessed by comparing differences in hatchery returns between the well water and river water exposure groups. Two manuscripts describing the results and management implications of this study will be completed in 2024-2025.

To explore how timing of odor exposure and release affects imprinting in ERH salmon, laboratory studies were designed to measure several physiological and endocrine metrics associated with smolting and imprint timing. Analyses of these samples were completed in 2021 and suggest that two important periods for odor exposure are late Spring and just prior to release. These findings have been incorporated into odor exposure experiments and final reports and publications on this work will be submitted in 2024.

A new component of this research in the 2023-25 biennium includes analysis of homing and straying of hatchery fish at a regional scale in the face of climate change. Progress on this front includes bringing on a new PhD student (Miriam “Mimi” Obley) to OSU in January of 2024, supervised by Dr. Seth White. Mimi will be drawing information from a concurrent ODFW climate change vulnerability assessment and analyzing a large coded-wire tag (CWT) dataset from Oregon coastal hatcheries.

Perceptions of Hatcheries

The focus of Dr. Kelly Biedenweg et al.’s research is understanding public perceptions of salmonid hatcheries from fishers and identifying subgroups with similar beliefs about hatcheries. The study is premised on the idea that understanding where people are coming from – their existing beliefs and experiences – is critical for effective communication. To study perceptions of hatcheries, this project focuses on two primary audiences: Tribal communities and non-Tribal fishing communities. Semi-structured interviews and Traditional Ecological Knowledge methods are used as primary research methods.

In the first six months, study design was completed and IRB (ethics board) approval was obtained for both Tribal and non-Tribal portions of the study. Researchers are continuing engagement with all nine federally recognized Tribes of Oregon. This involves review by respective Tribal committees, applying for research permit licenses via each Tribe’s internal IRB equivalent, and drafting MOUs if and when a Tribe requests the document. No document requests have been made as of yet. Formal approval has been obtained from 4 Tribes (Klamath, Cow Creek, CTCLUSI, Siletz), with verbal agreement from Warm Springs and unofficial agreement from two Grand Ronde Department of Natural Resource members. As anticipated, the process is taking time since Tribes are sovereign and have internal government structures with timelines that do not always

coincide with mainstream government or agency timelines. Researchers are working within these timelines to fulfill each research request per Tribal constitutions and legal ordinances. Interviews with Klamath (via Zoom) and Siletz Tribes (in person) were scheduled for February 2024. Cow Creek and CTLUSI will be in February as well and scheduled into March and April 2024. Klamath has referred seven Tribal members for interviews, and the Siletz Tribe has six members who have expressed interest. Neither Tribe has had public recruitment material sent out yet, so there will likely be more interest in sharing perspectives via interview processes once the Tribal memberships at large are notified. CTCLUSI has four members who have indicated interest, and three from Cow Creek so far, all without advertisement as well.

On the non-tribal side, 15 semi-structured interviews have been completed with individuals of varied affiliation (e.g., fishing guides, conservation organizations, sport fishing advocates, seafood businesses, hatchery workers). An initial round of analysis is underway to identify emerging themes and potential gaps requiring additional sampling. To further increase the amount and range of comments available for analysis, researchers are exploring ways to use topic modeling to identify themes in existing salmonid hatchery-focused public comments and discussion forum posts.

Timing of Release

Along the Oregon coast, seven ODFW hatcheries propagate fall-run Chinook salmon for release into the Lower Columbia, Nestucca, Trask, Salmon, Lower Umpqua, Elk, Coos, Coquille, and Chetco rivers. These hatchery programs are operated almost entirely for the purpose of harvest augmentation, except for a recently established conservation hatchery program for Coquille River fall Chinook. Given increasing river temperatures, variable flow regimes, and changing ocean conditions, existing release strategies may not be sufficient or cost-effective as conditions change. The goal of this study is to examine rearing and release strategies for juvenile hatchery Chinook salmon and identify those that optimize the quality and abundance of returning adult salmon, carried out under current climatic conditions and with existing hatchery infrastructure. To achieve this goal, researchers will collaborate with ODFW to evaluate the performance of existing and novel release groups of fall Chinook salmon within the Klaskinine, Trask, Coos, and Elk Rivers.

This project originally included Marc Johnson, who recently left ODFW for a new position with NOAA Fisheries in Portland. Since that time, ODFW assigned Brent Hinnners to serve as a liaison between ODFW and the remaining PIs from OSU (J. Miller) and NOAA (B. Beckman). Some additional funds were added to the OSU budget for project management and coordination, which originally were proposed to be completed by M. Johnson. These changes delayed progress somewhat. However, several productive project meetings have occurred with ODFW personnel on April 20, June 14, July 7, and Oct 10, 2023, and Jan 5, 2024. These meetings led to a finalization of a release and tagging plan for the 2023 brood year (2024 release year), which includes the addition of three new CWT releases (30,000 in each group) in the Klaskinine, Trask, and Coos hatchery systems. The returns associated with these releases will be compared with each other and with releases from the Elk River Hatchery, which already have a full complement of CWT. Confirmation was acquired from Lance Kruzic from NOAA that “the proposed adjustments to hatchery releases, earlier release of hatchery salmon, would not be an issue with respect to the ESA authorization of the Trask hatchery program/HGMP and effects on coho salmon. Releases of hatchery fish would not increase. NMFS does not expect any additional effects on listed coho

salmon from the proposal and the actions would continue to be covered by the existing ESA authorization for this hatchery program.” See Appendix 1 for a detailed fish release schedule from each hatchery program associated with this project.

Fish Microbiomes

Dr. Claire Couch received \$50,000 from the OHRC in 2022 to support her ongoing research on optimizing rearing conditions of Pacific salmon for hatchery production and conservation. Dr. Couch’s central research question is: Can alternative rearing strategies enhance disease resistance in hatchery-origin salmonids, thus increasing post-release survival and reducing the effects of hatcheries on natural-origin salmonids? By enhancing disease resistance, hatcheries would need to release fewer fish to achieve the same smolt-adult returns, thus reducing effects on hatchery releases on wild juveniles. Additionally, enhancing disease resistance in hatchery fish would reduce the risk of disease transmission to wild fish. Specifically, Dr. Couch’s work focuses on how diet, rearing conditions, and stress relate to immune function, the microbiome (i.e. communities of bacteria and other microbes that live on and in fish), disease susceptibility, and ultimately, the health and survival of Pacific salmon.

In 2023, Dr. Couch completed and/or advanced several projects that are relevant to the OHRC mission. First, she completed and published a study on the effects of chronically elevated corticosteroids (i.e. stress hormones) on microbiome composition and mortality risk, which has important implications for managing and monitoring juvenile fish in hatcheries as well as adult fish returning to spawn (Couch et al. 2023). In a separate but related study, Dr. Couch worked with collaborators at University of New Mexico to complete a study on how the brain microbiome of salmonids changes throughout maturation and development (Mani et al. 2023). Dr. Couch is also collaborating with the Kent lab at OSU to complete a follow-up study on the combined effects of stress hormones and senescence-associated microbes on gut degradation and mortality, with the ultimate goal of understanding the causes of pre-spawning mortality in wild and hatchery populations of Chinook Salmon. Findings may ultimately be relevant to future studies on behavior, immunity, and pre-spawning mortality in wild and hatchery fish. Finally, Dr. Couch and her team continued to analyze samples from her OHRC-funded project. The purpose of the OHRC-funded experiment was to test the effects of diet on the microbiome, immune function, and disease resistance in juvenile Chinook Salmon. We have completed microbiome and transcriptome sequencing, as well as a preliminary analysis of these results. These preliminary results indicate that diet significantly alters the gut microbiome over a relatively short time scale, as well as the expression of genes are related to stress and smolting. Diet also indirectly influences growth, which appears to affect the activity of innate immune proteins in the blood. Dr. Couch is currently working with an undergraduate research student to conduct an experiment directly testing the effects of diet on disease susceptibility.

OHRC Affiliated Projects

Fish Genetics

Dr. Kathleen O’Malley directs the State Fisheries Genomics Lab (SFGL) which conducts research to address the science and management needs of Oregon State University’s Coastal Oregon Marine Experiment Station and the Oregon Department of Fish and Wildlife. The SFGL provides

leadership in the production of genetic data and the development of science-based tools and recommendations from those data for freshwater, anadromous and marine fishes.

In 2023, the SFGL's salmonid research focused on Chinook salmon, steelhead, chum salmon, and coho salmon. Here, we highlight three major research areas. The first is the evaluation of reintroduction programs for threatened spring Chinook salmon in the North Santiam and South Fork McKenzie rivers. Results indicate that spring Chinook salmon released above dams in these two systems are not replacing themselves. These findings were published in two U.S. Army Corps of Engineers Technical Reports and presented to a broad audience (USACE, NMFS, ODFW, academics, consulting agencies, etc.) at the annual Willamette Fisheries Science Review in Corvallis. Based on recommendations outlined in the reports, state and federal agencies decided to modify the reintroduction programs in these systems. The SFGL is currently evaluating spring Chinook salmon reintroduction programs in the South Santiam River and Fall Creek.

A second major research effort was initiated in response to recent petitions to list Chinook salmon. To help fill critical information gaps, the SFGL collaborated with ODFW to collect tissue samples from Oregon coast Chinook salmon. The samples were processed, and the genetic data was analyzed by the SFGL. Results were communicated to NOAA Fisheries to help inform their decision regarding the petitions. Based on the findings and subsequent discussions, 500 additional samples were collected in the Umpqua Basin. These samples will be processed, analyzed, and combined with prior data. Dr. Kathleen O'Malley is working to obtain funding to support this effort.

A third major research effort is centered on the Klamath Basin where a fourth dam was recently breached reconnecting over 400 river miles and restoring fish passage to historic habitat. Prior to dam removal, the SFGL conducted a genetic monitoring study of *Oncorhynchus mykiss* in this basin and is currently summarizing the results in a publication. Moving forward, the SFGL is coordinating with multiple state, federal and tribal agencies to monitor the re-establishment of anadromous fishes in this basin.

The SFGL established and maintains a tissue sample repository and database. The repository consists of over 140,000 archived tissue samples. Approximately 90% of the samples were collected from Chinook salmon and steelhead, and ~ 7,000 of these were collected at the Oregon Hatchery Research Center.

Growth Hormone Indicator Study

A research team from the Columbia River Inter-Tribal Fish Commission (CRITFC) conducted a study with the goal of developing the use of the plasma hormone insulin-like growth factor-1 (IGF1) as an indicator of recent growth status in field studies on juvenile salmonids. The research team consisted of CRITFC scientists Anna Ringelman, Dr. Matt Kaylor, and Casey Justice, physiologist Dr. Andrew Pierce, and biologist Neil Graham. Before employing blood sampling in field studies on ESA-listed juvenile salmonids, it is necessary to determine the minimum size of fish that can be sampled to provide enough plasma to run the IGF1 assay without causing mortality or sublethal negative effects on the fish. To this end, a study was conducted at OHRC Fall Creek facility using juvenile rainbow trout. The effects of drawing a 100 µl blood sample on mortality, growth, and hematocrit were compared across a range of sizes expected to be encountered in field

studies (90-170 mm) over the following 4 weeks. Unfortunately, an unacceptable level of mortality (20-40%) was observed across all size classes. Puzzlingly, however, mortality did not begin until about 10 days post-sampling and did not decrease as expected with fish size. In fact, the largest size class (160-170 mm) experienced the highest mortality rate. These levels of mortality have not typically been seen after drawing a similar volume of blood from juvenile salmonids over 120 mm. This led the research team to speculate that an interaction between water quality at the Fall Creek facility and the needle puncture wound from blood sampling may have led to secondary infections that influenced the mortality results. Blood sampling had little effect on hematocrit or post-sampling growth, suggesting that the fish were able to replace lost red blood cells over the 4-week period. Ongoing work will use the plasma samples collected to validate modifications of the IGF1 assay and binding protein extraction procedure to use smaller plasma volumes.

Surrogate Wild Salmonids

In 2023 the U.S. Army Corps of Engineer-supported Surrogate Project reared deliverables at the OHRC Fall Creek facility. In January of 2023, Surrogate Project personnel transported 5,000 BY21 South Santiam spring Chinook to the OSU Fish Performance and Genetics Lab (FPGL) in anticipation of spring 2023 tagging events by Pacific Northwest National Laboratory personnel. One group of these individuals was released into Foster Reservoir for juvenile downstream dam passage studies. Unfortunately, the remaining fish from this group suffered from multiple illnesses including bacterial kidney disease (BKD), furunculosis, and cold-water disease. Under advisement from ODFW pathologist Aimee Reed and in consultation with our collaborators with the USACE and PNNL, the fish were not deemed suitable for further release studies and were subsequently euthanized.

In late January we transported 2,000 BY22 North Santiam winter steelhead to the FPGL for a spring 2023 tagging event by PNNL personnel for release into Foster Reservoir. During the fall of 2023, Surrogate Project personnel conducted three additional transports of BY22 deliverables from the OHRC Fall Creek Facility to the FPGL. This included 4,200 North Santiam winter steelhead (2,000 Foster fall 2023 release, 2,200 Foster spring 2024 release). Additionally, 7,000 BY22 South Santiam spring Chinook salmon were transported to the FPGL in late October 2023 for spring 2024 tagging events for release into Foster and Green Peter Reservoirs.

Two experiments were conducted at OHRC's Fall Creek facility, the Stress Test and the Fin Damage Genesis Study. For the Stress Test, steelhead trout (*O. mykiss*) from Alsea Hatchery were reared from the eyed egg stage. After fish had absorbed their egg sacs, fish were transferred to 6 ft tanks at high and low density with and without structure as described in Herron et al. (2023). Originally the experiment was to be run in triplicate, but due to water quality issues, it was reduced to duplicate replicates. After experiencing a transport simulation stressor (Herron et al., 2023) plasma was collected for cortisol analysis. Samples have yet to be analyzed, results are expected to be collected by mid-2024.

For the Fin Damage Genesis Study, steelhead trout (*O. mykiss*) from Alsea Hatchery were reared from the eyed egg stage. Embryos were incubated on chilled or ambient water to manipulate their developmental stage through temperature units. Once fish had absorbed their egg sacs, they were populated into outdoor 3 ft tanks at low density with in-tank structured designed for the Surrogate Project. Fish were sampled weekly up through early July 2023. The experiment was terminated a

few weeks early due to water quality issues. After collection, fish were preserved in 10% buffered neutral formalin and then clear and stained. Fish will be visually examined under a dissecting microscope to determine onset and severity of fin damage. Samples have yet to be analyzed, results are expected to be collected by the end of 2024.

The vast majority of the fish are produced at the FPGL where Chinook are raised from eggs and this is where most research is being done on means of improving hatchery practices, in 2023 including the use of fasting and on improving diet quality. Up through the OHRC transition to AAHL in December 2023, this project additionally supported the financial contribution OSU makes to the OHRC in terms of OHRC staff salaries.

OHRC Publications in 2023:

Couch, C.E., Neal, W.T., Herron, C.L., Kent, M.L., Schreck, C. B., and J.T. Peterson. 2023. Gut microbiome composition associates with corticosteroid treatment, morbidity, and senescence in Chinook salmon (*Oncorhynchus tshawytscha*). *Scientific Reports*, 13(1), 2567.

Dayan, D.I., Lorion, C., and K.G. O'Malley. 2023. Population structure of Oregon coastal Chum Salmon (*Oncorhynchus keta*) and considerations for carcass tissue sampling. *Science Bulletin* 2023-07. Oregon Department of Fish and Wildlife, Salem. 28 pp.

Dayan, D.I., Mazur, S., Green, L.J., Bohn, S., Johnson, M.A., Van Dyke, D.J., Samarin, P.A., Battleson, R.D., and K.G. O'Malley. 2023. Genetic diversity within late-summer and half-pounder steelhead (*Oncorhynchus mykiss*) in the Rogue River, Oregon. *Conservation Genetics*. <https://doi.org/10.1007/s10592-023-01563-w>

Dayan, D.I., Sard, N.M., Johnson, M.A., Fitzpatrick, C.K., Couture, R., and K.G. O'Malley. In Revision. A single generation in the wild increases fitness for descendants of hatchery-origin Chinook salmon (*Oncorhynchus tshawytscha*). *Evolutionary Applications*.

Dittman, A.H., May, D., Johnson, M., Baldwin, D., Scholz, N., and J. Athos. In prep. Odor exposure during imprinting periods increases odorant-specific sensitivity and receptor gene expression in coho salmon (*Oncorhynchus kisutch*). *Journal of Experimental Biology*.

Hahlbeck, N.H., Anlauf-Dunn, K.J., Piotrowski, S.J., Ortega, J.D., Tinniswood, W.R., Eliason, E.J., O'Malley, K.G., Sloat, M.R., Wyatt, M.A., Hereford, M., Ramirez, B.S., and J.B. Armstrong. 2023. Habitat fragmentation drives divergent survival strategies of a cold-water fish in a warm landscape. *Ecosphere*, 14(7), e4622. DOI:10.1002/ecs2.4622.

Herron, C.L., Cogliati, K.M., Krajcik, J.A., Noakes, D.L.G., Peterson, J.T., and C.B. Schreck. 2023. Effects of rearing density and in-tank structure on the stress response in juvenile Chinook salmon (*Oncorhynchus tshawytscha*). *Aquaculture Reports*, 33, 101876.

Mani, A., Henn, C., Couch, C., Patel, S., Korytar, T., and I. Salinas. 2023. A niche-adapted brain microbiome in salmonids at homeostasis. *bioRxiv*, 2023-12.

Minkoff, D., Ardren, W., Kaiser, K., Dittman, A.H., Quinn, T., Atema, J., and B. Taylor. 2023. Dissolved free amino acids could be odorants for imprinting and homing by Atlantic Salmon. *Freshwater Science* 42(4):375-391.

Obley, M. 2023. Modifications to rearing environments as a method for reducing domestication selection in hatchery-reared steelhead (*Oncorhynchus mykiss*). MSc thesis in Integrative Biology. Oregon State University.

O'Malley, K.G., Dayan, D.I., Fitzpatrick, C.K., and R. Couture. 2023. Evaluating spring Chinook salmon releases above Cougar Dam, on the South Fork McKenzie River, using genetic parentage analysis. Technical report submitted to the U.S. Army Corps of Engineers. Portland, OR.

O'Malley, K.G., Dayan, D.I., Fitzpatrick, CK, Bohn, S., and G. Grenbemer. 2023. Evaluating spring Chinook salmon releases above Detroit Dam and below Big Cliff Dam, on the North Santiam River, using genetic parentage analysis. Technical report submitted to the U.S. Army Corps of Engineers. Portland, OR.

O'Malley, K.G., Hereford, M.E., Olsen, K.C., Pearse, D.E., Tinniswood, W.R., Ramirez, B.S., Armstrong, J.B., and S. Piotrowski. In Prep. Characterizing fine-scale neutral and adaptive genetic diversity of *Oncorhynchus mykiss* in the Klamath Basin before dam removal.

O'Malley, K.G., Fitzpatrick, C.K., Olsen, K.C., and R. Couture. In Review. Evaluating spring Chinook releases above Foster Dam, on the South Santiam River, using genetic parentage analysis. Technical report submitted to the U.S. Army Corps of Engineers. Portland, OR.

Pope, A.C., Kock, T.J., Perry, R.W., Cogliati, K.M., O'Malley, K.G., Murphy, C.A., and S.D. Fielding. In Revision. Using parentage based tagging to estimate survival of Chinook salmon fry in a large reservoir. *Environmental Biology of Fishes*.

White, S.M., Dittman, A.H., Johnson, M.A., and T.P. Quinn. In review. Climate-driven straying dynamics in anadromous salmon and steelhead: Research agenda for conservation. *Ecology of Freshwater Fish*.

Contact Persons:

Seth White, OHRC Director

Oregon State University, 104 Nash Hall Corvallis, OR 97331

(541) 737-1083

seth.white@oregonstate.edu

Thomas Stahl, Conservation and Recovery Program Manager

Oregon Department of Fish and Wildlife,

4034 Fairview Industrial Drive SE Salem, OR 97302

(503) 947-6219

Thomas.Stahl@odfw.oregon.gov

Ashley Sanders, Fish Behaviorscapes Lab Manager
Oregon State University 104 Nash Hall Corvallis, OR 97331
(541) 737-1889
ashley.sanders@oregonstate.edu

<http://www.dfw.state.or.us/fish/OHRC/>
<https://blogs.oregonstate.edu/fishbehaviorscapeslab/>

Select Area Fisheries Enhancement (SAFE)

The Select Area Fishery Enhancement (SAFE) Project was initiated in 1993 with funding by the Bonneville Power Administration based on a recommendation by the Northwest Power Planning Council. At inception, the goal of the project was to determine the feasibility of creating and expanding terminal commercial and recreational fisheries in the Columbia River Basin to allow harvest of healthy 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. Physiochemical and aquatic bio-monitoring surveys and extensive test fishing were conducted to establish baseline conditions, including presence of non-local stocks. Based on this evaluation, five Select Area fishing areas were established and four currently exist: Youngs Bay, Tongue Point/South Channel, and Blind Slough/Knappa Slough in Oregon and Deep River in Washington.

Production and release of smolts into the Select Areas is accomplished with net-pen facilities and hatcheries associated with the project. Fish released from the net-pens are reared (over winter) or acclimated (about two weeks) before release into the Select Areas. Fish released from project hatcheries are typically reared full-term, although some are over-wintered in other facilities and transferred to the hatcheries prior to release. Releases in the Select Areas and associated facilities in 2023 were about 3.5 million spring Chinook, 266,000 Select Area Bright (SAB) fall Chinook, 5.0 million Coho, and 3.7 million tule fall Chinook. The SAB release was almost three times lower than the 2022 release of 785,000 but much higher than the all-time low of 85,000 in 2021.

The program has demonstrated high harvest rates, high homing ability of returning adults, low impacts to non-local salmonids, and considerable economic value for the fishers, fish processors, and the local communities. Adult spring Chinook, Coho, and SAB fall Chinook produced by the program are harvested in fisheries (ocean and Columbia River; sport and commercial) at rates of 94%, 90%, and 84%, respectively from Coded Wire Tag (CWT) recovery data; brood years 1992 – 2018). Harvest in the Select Area commercial fisheries is composed primarily of fish returning from program releases. Stock composition has averaged 87% local Chinook stocks in winter, spring, and summer fisheries and 82% in fall fisheries (recent 10-year average). Landings in Select Area commercial fisheries contribute significantly to total harvest in the lower Columbia River. On average, Select Area harvest accounts for 62.7% of the total non-Treaty Columbia River

commercial salmon landings (recent 10-year average). Ex-vessel value of Select Area commercial fisheries has averaged \$1.85 million (10-year average; 2014-2023).

Cameron Duff
Ocean Salmon and Columbia River Program
17330 SE Evelyn Street
Clackamas, OR 97015
(971) 673-6057
Cameron.M.Duff@odfw.oregon.gov

Annual Reports:

http://www.dfw.state.or.us/fish/OSCRP/CRM/reports/09_reports/2009%20SAFE%20Annual.pdf

http://www.dfw.state.or.us/fish/OSCRP/CRM/reports/12_reports/2012%20SAFE%20Annual.pdf

http://www.dfw.state.or.us/fish/OSCRP/CRM/reports/16_reports/2016%20SAFE%20Annual.pdf

Project Proposal:

<http://www.cbfish.org/Project.mvc/Display/1993-060-00>

Proposal Short Description:

The Select Area Fisheries Enhancement (SAFE) project is a well-established cooperative program that strives to deliver quality commercial and recreational salmon fishing opportunities in a setting which maximizes the return of hatchery production into fisheries through successful net-pen and hatchery rearing strategies and minimizes impacts on ESA listed and non-local stocks of fish through extensive in-season monitoring/evaluation and management of the fisheries.

Proposal Executive Summary:

Following the listing of various Evolutionarily Significant Unit (ESUs) under the federal Endangered Species Act (ESA) in 1991, complicating harvest management and severely limiting execution of mixed-stock fisheries in the mainstem Columbia River, the Select Area Fisheries Evaluation (SAFE) Project was initiated by Bonneville Power Administration (BPA) in 1993. SAFE was funded to mitigate for lost harvest by providing the opportunity to harvest locally-produced salmon stocks in off-channel areas of the Columbia River. This concept was part of the 1993 Strategy for Salmon, wherein the Northwest Power Planning Council (NPPC, currently Northwest Power and Conservation Council, NPCC) recommended development of terminal-fishing sites to allow harvest of known hatchery production while minimizing incidental harvest of weak stocks. In 2007 SAFE became Select Area Fisheries Enhancement to reflect its progression from a research to production program. SAFE releases occur in the lower Columbia estuary from the Deep River net-pen site in Washington; the Blind Slough, Tongue Point, and Youngs Bay net-pen sites in Oregon; and the Klaskanine and South Fork Klaskanine Hatcheries on the Klaskanine River in Oregon. Hatcheries providing production for these sites are South Fork Klaskanine (Clatsop County); Big Creek, Cascade, Gnat Creek, Klaskanine, McKenzie, Oxbow, Sandy, Willamette (ODFW); Cowlitz, Elochoman, Grays River, and Lewis River (WDFW). The BPA-SAFE project fully funds Gnat Creek, Grays River, and Klaskanine hatcheries; other hatcheries are funded by a blend of state, Mitchell Act (NOAA), and other funds.

This project will continue the development of the SAFE sites to maximize harvest of returning adults and minimize catch of non-SAFE stocks at existing sites; coordinate activities with

Washington and Oregon Departments of Fish and Wildlife, Clatsop County, Bonneville Power Administration, and the National Oceanic and Atmospheric Administration; and compile project results and information.

Stock Assessment Coded-Wire Tagging Projects

This project is no longer funded by the Bonneville Power Administration. It is currently funded through Mitchell Act (MA) hatchery funds distributed for the operation of hatchery facilities in the Columbia River Basin. The Mitchell Act was enacted by the US Congress in 1938 for the conservation of fishery resources in the Columbia River. The Mitchell Act authorized the establishment, operation, and maintenance of hatchery facilities in the states of Oregon, Washington, and Idaho. It provides funding for scientific investigations which inform decisions facilitating the conservation of the fishery resource throughout the Columbia River Basin. Congress specifically directs a portion of the Mitchell Act authorized appropriations to fund hatchery production and related monitoring, evaluation, and reform.

Goals for the Stock Assessment project are to:

Assist in the development and coordination of tagging, marking, and sampling plans to ensure that CWT groups are representative of entire hatchery release groups and sufficient numbers of CWTs are recovered for analysis.

Monitor and evaluate fishery contributions, estimate survivals (based on the overall percentage of CWT tags recovered), and monitor escapement of hatchery fish recovered on spawning grounds.

Establish a comprehensive long-term database of hatchery releases and related CWT recoveries that will provide scientifically defensible information to inform fishery management and hatchery production decisions while addressing ecological interactions, allocation, and conservation.

Micki Varney
Oregon Department of Fish and Wildlife
4034 Fairview Industrial Drive SE
Salem, OR 97302
(503) 947-6237
Michelle.A.Varney@odfw.oregon.gov

CWT Data: <http://www.rmhc.org/>

Recreational Harvest: <https://www.dfw.state.or.us/resources/fishing/sportcatch.asp>

Salmon River Fall Chinook Fecundity Study

The number of eggs a female produces (fecundity) is directly related to the number of adult fish available for harvest or to return to the spawning grounds to produce the next generation. Adult hatchery fall Chinook females returning to ODFW hatchery facilities on the Oregon coast are returning smaller in size, younger and less fecund that they were 30 years ago.

In 2001, the average fecundity for Salmon River Hatchery (SRH) fall Chinook females used for broodstock was 5,001 eggs. In 2022, the average fecundity was 4,207 eggs, a 16% reduction (Figure 1).

A study to estimate fecundities of individual Salmon River stock females used for broodstock was initiated in 2023. The study was funded with Pacific Salmon Treaty (PST) funds because of the importance of the Salmon River fall-run Chinook as an Exploitation Rate Indicator stock in the management of PST fisheries. Salmon River Hatchery is an “integrated” ODFW hatchery facility,

meaning that a substantial portion of broodstock is taken each year from natural origin Chinook Salmon returning to the lower Salmon River. For return years 2010-2023, the median percentage of natural origin female Chinook included in brood was 27%.

The Salmon River Fecundity Study entailed randomly selecting a sample of both natural origin and hatchery females throughout the spawning period. Origin, fork length, scales and coded-wire tags (if present) were collected from each female. Each study female’s eggs were fertilized and incubated in individual trays until eggs reached the eye stage when eggs could be safely handled and individually counted. After enumeration and weighing, live eggs were combined with regular production eggs for remainder of incubation and subsequent hatching and rearing. Data collected from the study will be used to address the following questions:

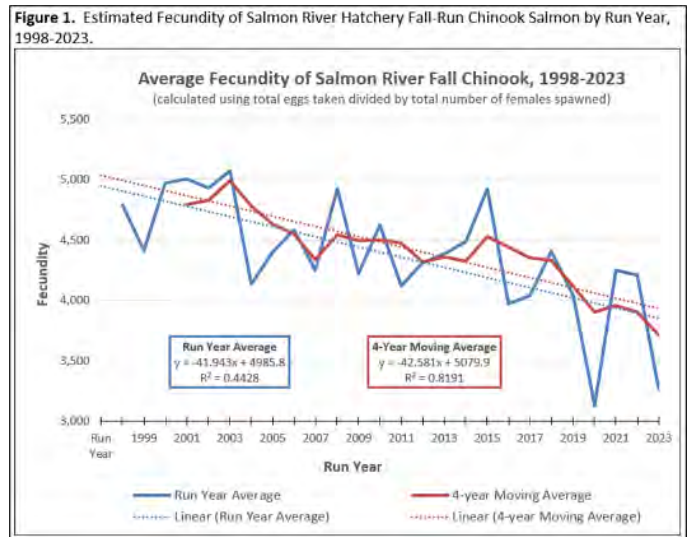
How well do productivity indicators of hatchery origin females represent those of wild females?

What relationships may exist between the various variables tested: egg size, egg density (volumetric displacement), origin, age, fork length and total fecundity?

Is there a correlation between egg density and age or origin? What environmental conditions might and how does this influence the viability of the eggs produced, size of fry, and survival to adulthood?

Does the density value (g/cm^3) differ for eggs produced by naturally produced females? This question depends on a continuation of the study for another year, as only six females were sampled for volumetrics. From these six samples, the lowest egg density occurred with the largest/oldest hatchery-origin female.

Preliminary results from the initial year of the study in 2023 indicate that of the 39 fall Chinook female salmon (14 wild origin and 25 hatchery origin) that were sampled, the average fecundity



and fork length for hatchery and naturally produced females was 3,560 eggs (804mm) and 3,762 eggs (832mm), respectively. A total of 75 females (59 hatchery and 16 natural origin) were taken for brood during the 2023 spawning season at Salmon River Hatchery.



Micki Varney
Oregon Department of Fish and Wildlife
4034 Fairview Industrial Drive SE
Salem, OR 97302
(503) 947-6237
Michelle.A.Varney@odfw.oregon.gov

Tables

Table 1. Oregon Department of Fish and Wildlife Hatcheries

ALSEA	209050 Fish Hatchery Road	Phone: 541-487-7240
Alsea.Hatchery@odfw.oregon.gov	Alsea, OR 97302	Fax: 541-487-7248
BANDON	55212 Fish Hatchery Road	Phone: 541-347-4278
Bandon.Hatchery@odfw.oregon.gov	Bandon, OR 97411	Fax: 541-347-3079
BIG CREEK	92892 Ritter Road	Phone: 503-458-6512
BigCreek.Hatchery@odfw.oregon.gov	Astoria, OR 97103	Fax: 503-458-6529
BONNEVILLE	70543 NE Herman Loop	Phone: 541-374-8393
Bonneville.Hatchery@odfw.oregon.gov	Cascade Locks, OR 97014	Fax: 541-374-8090
CASCADE	74152 NE Eagle Creek Loop	Phone: 541-374-8381
Cascade.Hatchery@odfw.oregon.gov	Cascade Locks, OR 97014	Fax: 541-374-8191
CEDAR CREEK	33465 Highway 22	Phone: 503-392-3485
CedarCreek.Hatchery@odfw.oregon.gov	Hebo, OR 97122	Fax: 503-392-4990
CLACKAMAS	24500 S Entrance Road	Phone: 503-630-7210
Clackamas.Hatchery@odfw.oregon.gov	Estacada, OR 97023	Fax: 503-630-4566
COLE M. RIVERS	200 Cole M. Rivers Drive	Phone: 541-878-2235
Colerivers.Hatchery@odfw.oregon.gov	Trail, OR 97541	Fax: 541-878-3959
ELK RIVER	95163 Elk River Road	Phone: 541-332-7025
Elkriver.Hatchery@odfw.oregon.gov	Port Orford, OR 97465	Fax: 541-332-8840
FALL RIVER	15055 S Century Drive	Phone: 541-593-1510
Tim.G.Foulk@odfw.oregon.gov	Bend, OR 97707	Fax: 541-593-3348
GNAT CREEK	92648 Gnat Hatchery Road	Phone: 503-455-2234
Garth.C.Gale@odfw.oregon.gov	Clatskanie, OR 97016	Fax: 503-455-0701
IRRIGON	74135 Riverview Lane	Phone: 541-922-5732
Terry.Blessing@odfw.oregon.gov	Irrigon, OR 97844	Fax: 541-922-2609
KLAMATH	46161 Highway 62	Phone: 541-891-7811
Greg.R.Lipsiea@odfw.oregon.gov	Chiloquin, OR 97624	
KLASKANINE	82635-202 Hatchery Road	Phone: 503-325-3653
Klaskanine.Hatchery@odfw.oregon.gov	Astoria, OR 97103	Fax: 503-325-2426
LEABURG	90700 Fish Hatchery Road	Phone: 541-896-3294
Leaburg.Hatchery@odfw.oregon.gov	Leaburg, OR 97489	Fax: 541-896-0447
LOOKINGGLASS	76657 Lookingglass Road	Phone: 541-437-9723
Diane.E.Deal@odfw.oregon.gov	Elgin, OR 97827	Fax: 541-437-1919
MARION FORKS	34881 Hwy 22	Phone: 503-854-3522
MarionForks.Hatchery@odfw.oregon.gov	Idanha, OR 97350	Fax: 503-854-3063

MCKENZIE RIVER	43863 Greer Drive	Phone: 541-896-3513
Mckenzie.Hatchery@odfw.oregon.gov	Leaburg, OR 97489	Fax: 541-896-3826
MINTO	34510 N Santiam Highway	Phone: 503-897-2429
Greg.A.Grenbemer@odfw.oregon.gov	Gates, OR 97346	
NORTH NEHALEM RIVER	36751 Fish Hatchery Lane	Phone: 503-368-6828
Nehalem.Hatchery@odfw.oregon.gov	Nehalem, OR 97131	Fax: 503-368-5348
OAK SPRINGS	85001 Oak Springs Road	Phone: 541-395-2546
John.A.Schmitz@odfw.oregon.gov	Maupin, OR 97037	Fax: 541-395-2595
OXBOW	1200 SE Frontage Road	Phone: 541-374-8540
Oxbow.Hatchery@odfw.oregon.gov	Cascade Locks, OR 97014	Fax: 541-374-8827
ROARING RIVER	42279 Fish Hatchery Drive	Phone: 503-394-2496
RoaringRiver.Hatchery@odfw.oregon.gov	Scio, OR 97374	Fax: 503-394-3155
ROCK CREEK	PO Box 197	Phone: 541-496-3484
RockCreek.Hatchery@odfw.oregon.gov	Idlelyd Park, OR 97447	Fax: 541-496-0469
ROUND BUTTE	6825 SW Belmont Lane	Phone: 541-325-5327
Roundbutte.Hatchery@odfw.oregon.gov	Madras, OR 97741	Fax: 541-325-5369
SALMON RIVER	575 N North Bank Road	Phone: 541-994-8606
Salmonriver.Hatchery@odfw.oregon.gov	Otis, OR 97368	Fax: 541-996-7797
SANDY	39800 SE Fish Hatchery Road	Phone: 503-668-4222
Sandy.Hatchery@odfw.oregon.gov	Sandy, OR 97055	Fax: 503-668-4572
SOUTH SANTIAM	43182 North River Drive	Phone: 541-367-3437
SouthSantiam.Hatchery@odfw.oregon.gov	Sweet Home, OR 97386	Fax: 541-367-4399
TRASK RIVER	15020 Chance Road	Phone: 503-842-4090
TraskRiver.Hatchery@odfw.oregon.gov	Tillamook, OR 97141	Fax: 503-842-2678
UMATILLA	73959 Riverview Lane	Phone: 541-922-5659
Andria.Shelton@odfw.oregon.gov	Irrigon, OR 97844	Fax: 541-922-5664
WALLOWA	82119 Fish Hatchery Lane	Phone: 541-426-4467
Wallowa.Hatchery@odfw.oregon.gov	Enterprise, OR 97828	Fax: 541-426-8029
WILLAMETTE	76389 Fish Hatchery Road	Phone: 541-782-2933
Willamette.Hatchery@odfw.oregon.gov	Oakridge, OR 97463	Fax: 541-782-4305
WIZARD FALLS	PO Box 130	Phone: 541-595-6611
Luke.S.Allen@odfw.oregon.gov	Camp Sherman, OR 97730	Fax: 541-595-1038

Table 2. Other Facilities Utilized for Fish Propagation Activities

FACILITY NAME	FACILITY TYPE	WATERSHED	LATITUDE	LONGITUDE	OPERATED BY*
Astoria High School	Hatchery	Youngs River	46.1773	-123.8495	STEP
Barrett Creek	Hatchery	Cow Creek/South Fork Umpqua River	43.0156	-123.4468	STEP
Beaver Creek	Acclimation	Coquille River	42.9395	-124.0997	STEP
Big Canyon Ponds	Adult Trap, Acclimation	Wallowa River	45.6194	-117.6990	ODFW
Big Creek Pond	Acclimation	South Fork Coos River	43.3906	-123.9642	STEP
Blind Slough	Net Pens	Columbia River	46.2024	-123.5531	CCF
Blossom Gulch	Acclimation	Coos River	43.3660	-124.2228	STEP
Bull Run	Acclimation	Bull Run River/Sandy River	45.4293	-122.2341	STEP
Calapooya	Acclimation	Calapooya Creek/Umpqua River	43.4085	-123.1622	STEP
Canyonville	Acclimation	South Umpqua River	42.9183	-123.2728	STEP
Catherine Creek	Adult Trap, Acclimation	Catherine Creek/Grande Ronde River	45.1224	-117.6934	CTUIR
Charleston	Acclimation	Coos River	43.3455	-124.3285	STEP
Clear Creek	Acclimation	Clear Creek/Clackamas River	45.3999	-122.4938	STEP
Coquille	Acclimation	Coquille River	43.1607	-123.9185	STEP
Cow Creek	Acclimation	Cow Creek/South Fork Umpqua River	42.8491	-123.1794	STEP
Cunningham Creek	Hatchery	Coquille River	43.1855	-124.1936	STEP
Depoe Bay	Hatchery	North Depoe Bay Creek	44.8154	-124.0518	STEP
Dexter Pond	Adult Trap, Rearing	Middle Fork Willamette	43.9248	-122.8072	ODFW
Eagle Creek NFH	Hatchery	Eagle Creek/Clackamas River	45.2760	-122.2030	USFWS/ODFW
East Fork Trask Pond	Rearing	East Fork Trask River	45.4125	-123.5979	ODFW
Eel Creek	Adult Trap, Acclimation	Eel Creek	43.6025	-124.1760	STEP
East Fork Acclimation	Acclimation	Hood River	45.5100	-121.5660	CTWSIR
Ferry Creek (Chetco)	Acclimation	Ferry Creek/Chetco River	42.0737	-124.2715	STEP
Ferry Creek (Coquille)	Acclimation	Ferry Creek/Coquille River	43.1193	-124.4074	STEP
Foster Creek	Acclimation	Foster Creek/Clackamas River	45.3838	-122.4476	STEP
Fourth Creek	Acclimation	Fourth Creek	43.3630	-124.2970	STEP
Gardiner-Reedsport-Winchester Bay	Hatchery, Net Pen	Umpqua River	43.7231	-124.1042	STEP
Green Creek	Acclimation	Green Creek/Siuslaw River	44.0962	-123.7796	STEP
Hall Creek	Acclimation	Coquille River	43.0988	-124.1895	STEP
Hodges Creek	Acclimation	East Fork Millicoma River	43.4397	-123.9942	STEP
Hughey Creek	Acclimation	Hughey Creek/Wilson River	45.4689	-123.7697	STEP
Imeques	Acclimation	Umatilla River	45.7069	-118.3498	CTUIR
Imnaha Pond	Adult Trap, Acclimation	Imnaha River	45.1937	-116.8690	ODFW
Indian Creek	Hatchery	Indian Creek/Lower Rogue River	42.4255	-124.3987	STEP
Laverne Park	Acclimation	Coquille River	43.2583	-124.0211	STEP
Letz Creek	Hatchery	Letz Creek/Siuslaw River	43.8031	-123.3187	STEP
Little Sheep	Adult Trap, Acclimation	Little Sheep Creek/Imnaha River	45.4778	-116.9302	ODFW
Lostine	Adult Trap, Acclimation	Lostine River	45.4206	-117.4257	NPT
Lower Herman Creek	Rearing	Herman Creek/Columbia River	45.6801	-121.8612	ODFW
Millicoma Interpretive Ctr.	Acclimation	West Fork Millicoma River	43.4883	-124.0201	STEP
Minthorn Pond	Acclimation	Umatilla River	45.6692	-118.6201	CTUIR
Morgan Creek	Hatchery	Morgan Creek/South Fork Coos River	43.3390	-124.0806	STEP
Moving Falls	Acclimation	Hood River	45.5730	-121.6574	CTWSIR
Munsel Creek	Hatchery	Munsel Creek/Siuslaw River	43.9886	-124.0935	STEP

Table 2. Other Facilities Utilized for Fish Propagation Activities

FACILITY NAME	FACILITY TYPE	WATERSHED	LATITUDE	LONGITUDE	OPERATED BY*
Opal Springs	Acclimation	Crooked River	44.4910	-121.2990	STEP
Palmer Creek	Adult Trap, Acclimation	Palmer Creek/Siletz River	44.7811	-123.8353	STEP
Parkdale	Hatchery	Hood River	45.5238	-121.6209	CTWSIR
Pendleton	Acclimation	Umatilla River	45.6717	-118.7073	CTUIR
Rhoades Pond	Rearing	Three Rivers	45.1709	-123.8018	STEP
Rodine	Acclimation	East Fork Millicoma River	43.4475	-123.9848	STEP
Saunders Creek	Acclimation	Saunders Creek	43.5702	-124.2047	STEP
Seven Feathers	Acclimation	South Umpqua River	42.9422	-123.2819	STEP
Sevenmile Pond	Acclimation	Coquille River	43.1681	-124.3483	STEP
South Fork Klaskanine	Hatchery	South Fork Klaskanine River	46.0538	-123.7284	CCF
South Fork Walla Walla	Adult Holding, Spawning	South Fork Walla Walla River	45.8592	-118.2224	CTUIR
Thornhollow	Acclimation	Thornhollow Creek/Umatilla River	45.6845	-118.4554	CTUIR
Tenmile	Acclimation	Saunders Creek	43.5721	-124.2002	STEP
Three Mile Dam	Adult Trap	Umatilla River	45.8821	-119.3259	CTUIR
Tongue Point	Net Pens	Columbia River	46.2066	-123.7573	CCF
Trout Creek	Acclimation	Molalla River	45.0740	-122.4851	STEP
Tuffy Creek	Hatchery	Tuffy Creek/Wilson River	45.5905	-123.4663	ODFW, ODC
Upper Grande Ronde	Adult Trap, Acclimation	Grande Ronde River	45.0792	-118.3314	CTUIR
Upper Herman Creek	Rearing	Herman Creek/Columbia River	45.6770	-121.8547	ODFW
Warrenton High School	Hatchery	Skipanon River	46.1471	-123.9255	STEP
Whiskey Creek	Hatchery	Whiskey Creek/Wilson River	45.3942	-123.9356	STEP
Whittaker Creek	Acclimation	Siuslaw River	43.9858	-123.6633	STEP
Winchester Bay	Acclimation	Umpqua River	43.6899	-124.1792	STEP
Woodward Creek	Acclimation	Coquille River	42.8991	-124.0752	STEP
Youngs Bay	Net Pens	Youngs River	46.1697	-123.8372	CCF
*List of abbreviations					
CCF	Clatsop County Fisheries				
CTUIR	Confederated Tribes of the Umatilla Indian Reservation				
CTWSIR	Confederated Tribes of the Warm Springs Indian Reservation				
NPT	Nez Perce Tribe				
ODC	Oregon Department of Corrections				
ODFW	Oregon Department of Fish and Wildlife				
STEP	Salmon and Trout Enhancement Program (ODFW)				
USFWS	U.S. Fish and Wildlife Service				

Table 3. Pounds of Fish Raised by Facility in 2023

Pounds of Fish Raised by Facility in 2023 (Table 3)								
Facility	Species	Pounds Acclimated	Pounds Destroyed	Pounds Liberated	Pounds Received	Pounds Shipped	Pounds Transferred	Total Pounds
ALSEA	RAINBOW TROUT		1,000	87,518	4,770		2,400	86,148
	WINTER STEELHEAD	5,281		21,183				26,464
	Total	5,281	1,000	108,701	4,770		2,400	112,612
ASTORIA H.S.	COHO			80				80
	FALL CHINOOK			301				301
	RAINBOW TROUT				120			0
	Total			381	120			381
BANDON	FALL CHINOOK	7,556		2,245				9,801
	RAINBOW TROUT			8,147	4,100			4,128
	WINTER STEELHEAD	11,325		8,570	483		797	20,209
	Total	18,881		18,962	4,583		797	34,137
BEAVER CR ACC	WINTER STEELHEAD			5,850	5,850			0
	Total			5,850	5,850			0
BEAVER CR HATCHERY	FALL CHINOOK						3,664	3,664
	Total						3,664	3,664
BIG CANYON TRAP	SUMMER STEELHEAD			48,822	45,198			3,624
	Total			48,822	45,198			3,624
BIG CREEK	CHUM			886				886
	COHO			53,614				53,614
	FALL CHINOOK	13,124		19,976			36	33,136
	SPRING CHINOOK			15,485	15,349		19,255	19,391
	WINTER STEELHEAD			12,211			7,025	19,236
	Total	13,124		102,172	15,349		26,316	126,263
BIG CREEK POND	WINTER STEELHEAD			2,483	2,450			33
	Total			2,483	2,450			33
BLIND SLOUGH	COHO			29,883	29,375			508
	SPRING CHINOOK			27,476	15,282			12,194
	Total			57,358	44,657			12,702
BLOSSOM GULCH SCHOOL	FALL CHINOOK			2,781	2,453			328
	Total			2,781	2,453			328
BONNEVILLE	COHO	29,375		16,071			310	45,756
	FALL CHINOOK	50,303		57,424	16,777	52,180	345	143,476
	RAINBOW TROUT				617			0
	SOCKEYE SALMON				1,282			0
	SPRING CHINOOK						23,556	23,556
	SUMMER STEELHEAD	33,930			200			33,730
	WINTER STEELHEAD	12,875			1,450			11,425
	Total	126,483		73,495	20,326	52,180	24,211	257,943

Pounds of Fish Raised by Facility in 2023 (Table 3)								
Facility	Species	Pounds Acclimated	Pounds Destroyed	Pounds Liberated	Pounds Received	Pounds Shipped	Pounds Transferred	Total Pounds
BROCKMAN GULCH ACC PD	WINTER STEELHEAD			2,730	2,935			-205
	Total			2,730	2,935			-205
BULL RUN ACC	SPRING CHINOOK			10,763	10,763			0
	Total			10,763	10,763			0
CANYONVILLE ACC	WINTER STEELHEAD			1,988	1,222			766
	Total			1,988	1,222			766
CASCADE	COHO	27,106		26,463	876	29,717	9,444	91,854
	Total	27,106		26,463	876	29,717	9,444	91,854
CATH.CR. ACC	SPRING CHINOOK			8,358	6,533			1,825
	Total			8,358	6,533			1,825
CEDAR CREEK	FALL CHINOOK						407	407
	RAINBOW TROUT			1,789	600		120	1,309
	SPRING CHINOOK	14,269		18,481	1,499			31,251
	SUMMER STEELHEAD	1,800		18,462	19		19	20,262
	WINTER STEELHEAD			19,395				19,395
	Total	16,069		58,127	2,118		546	72,624
CLACKAMAS	COHO				8,878		75,508	66,630
	SPRING CHINOOK			12,286	36,575			-24,289
	SUMMER STEELHEAD			14,571	15,505			-934
	WINTER STEELHEAD			13,504	16,400			-2,896
	Total			40,360	77,357		75,508	38,511
CLATSOP CTY	COHO			32,156	13,189			18,966
	Total			32,156	13,189			18,966
COLE RIVERS	COHO			9,272				9,272
	FALL CHINOOK	9,220	47	17,098				26,365
	RAINBOW TROUT			123,806	1,450		12,556	134,912
	SPRING CHINOOK		96	178,724			46,042	224,862
	SUMMER STEELHEAD			19,976			2,318	22,293
	Total	15,898	143	51,774	1,450		60,916	67,672
DEXTER PONDS	SPRING CHINOOK			128,856	4,599	4,894		129,152
	SUMMER STEELHEAD			9,423	6,600			2,823
	Total			138,279	11,199	4,894		131,974
ELK RIVER	FALL CHINOOK	3,810	973	25,996				30,779
	RAINBOW TROUT			6,423	585			5,981
	WINTER STEELHEAD			5,782	574		260	5,468
	Total	3,810	973	38,201	1,159		260	42,228
FALL RIVER	BROOK TROUT		94	342			407	843

Pounds of Fish Raised by Facility in 2023 (Table 3)								
Facility	Species	Pounds Acclimated	Pounds Destroyed	Pounds Liberated	Pounds Received	Pounds Shipped	Pounds Transferred	Total Pounds
	RAINBOW TROUT			46,913	29,607		98	17,404
	SPRING CHINOOK				1,023	0	5,485	4,462
	Total		94	47,255	30,630	0	5,990	22,709
FERRY CR ACCL (COQUILLE)	FALL CHINOOK			5,600	5,600			0
	Total			5,600	5,600			0
FOSTER CR ACC	SUMMER STEELHEAD				4,000			-4,000
	WINTER STEELHEAD			5,975	5,975			0
	Total			5,975	9,975			-4,000
FOURTH CR	FALL CHINOOK			1,279	1,109			171
	Total			1,279	1,109			171
GNAT CREEK	RAINBOW TROUT				222			0
	SPRING CHINOOK			44,432	3,375		15,282	56,339
	WINTER STEELHEAD			6,530	3,600			2,930
	Total			50,962	7,197		15,282	59,269
GREENS CR ACC	WINTER STEELHEAD			1,880	1,880			0
	Total			1,880	1,880			0
HAT RES CTR	FALL CHINOOK			97				97
	WINTER STEELHEAD		280					280
	Total		280	97				376
HERMAN CR PD	SPRING CHINOOK				10,309		51,657	41,348
	Total				10,309		51,657	41,348
HODGES CR ACC	WINTER STEELHEAD			2,483	2,450			33
	Total			2,483	2,450			33
HUGHEY CR ACC	SUMMER STEELHEAD			1,800	1,800			0
	WINTER STEELHEAD			2,200	2,200			0
	Total			3,999	4,000			-1
IMNAHA PD	SPRING CHINOOK			25,396	24,484			912
	Total			25,396	24,484			912
INDIAN CR HATCHERY	FALL CHINOOK			3,651				3,651
	Total			3,651				3,651
IRRIGON	FALL CHINOOK			28,409				28,409
	RAINBOW TROUT			58,529	12,585			45,944
	SUMMER STEELHEAD	176,828		214				177,042
	Total	176,828		87,151	12,585			251,395
KLAMATH	BROOK TROUT			117	118			-1
	BROWN TROUT			6,730				6,730
	RAINBOW TROUT			91,659	4,604		12,973	100,028
	SPRING CHINOOK		61	1,045				1,106
	Total		61	99,552	4,723		12,973	107,863

Pounds of Fish Raised by Facility in 2023 (Table 3)								
Facility	Species	Pounds Acclimated	Pounds Destroyed	Pounds Liberated	Pounds Received	Pounds Shipped	Pounds Transferred	Total Pounds
KLASKANINE	COHO			92,314	24,600			67,714
	FALL CHINOOK			8,540				8,540
	SPRING CHINOOK			27,831	18,225			9,606
	WINTER STEELHEAD			6,964	3,425			3,539
	Total			135,649	46,250			89,399
L. HERMAN PD	SPRING CHINOOK				4,149		15,575	11,426
	Total				4,149		15,575	11,426
LEABURG	RAINBOW TROUT			193,260	39,973			153,365
	SPRING CHINOOK			18,347	4,774		38,027	51,600
	SUMMER STEELHEAD			22,452	1,557			20,895
	Total			234,059	46,304		38,027	225,861
LETZ CR HATCHERY	WINTER STEELHEAD			3,018				3,018
	Total			3,018				3,018
LITTLE SHEEP	SUMMER STEELHEAD			45,111	41,669			3,442
	Total			45,111	41,669			3,442
LOOKINGGLASS	RAINBOW TROUT				2			0
	SPRING CHINOOK	54,409		13,700	11		11	68,109
	Total	54,409		13,700	12		11	68,109
MARION FORKS	BROOK TROUT		20	22	14			29
	KOKANEE			2,205	1,870			335
	RAINBOW TROUT		10	50	50			10
	SPRING CHINOOK	22,908		568		1,505	46,026	71,007
	Total	22,908	30	2,846	1,934	1,505	46,026	71,381
MCKAY CR ACCL	SUMMER STEELHEAD			1,990	1,990			0
	Total			1,990	1,990			0
MCKENZIE	SPRING CHINOOK			32,455	38,027		4,774	-799
	Total			32,455	38,027		4,774	-799
MINTO PONDS	SPRING CHINOOK			52,968	29,985			22,982
	SUMMER STEELHEAD		96	21,938	15,288			6,746
	Total		96	74,906	45,274			29,728
MORGAN CR HATCHERY	FALL CHINOOK			13,301	7,569			5,732
	Total			13,301	7,569			5,732
NEHALEM	COHO			13,366	480			12,886
	FALL CHINOOK			1,400	287			1,113
	RAINBOW TROUT			32,588	715		1,354	33,227
	WINTER STEELHEAD			20,836				20,836
	Total			68,190	1,482		1,354	68,062
NOBLE CR HATCHERY	FALL CHINOOK			8,118	1,154			6,964

Pounds of Fish Raised by Facility in 2023 (Table 3)								
Facility	Species	Pounds Acclimated	Pounds Destroyed	Pounds Liberated	Pounds Received	Pounds Shipped	Pounds Transferred	Total Pounds
	Total			8,118	1,154			6,964
OAK SPRINGS	BROOK TROUT		56	97	130			23
	RAINBOW TROUT		2,367	147,336	63	1	54,080	203,720
	WINTER STEELHEAD						10,950	10,950
	Total		2,423	147,433	193	1	65,029	214,694
OXBOW	SOCKEYE SALMON						1,282	1,282
	SPRING CHINOOK						11,901	11,901
	Total						13,183	13,183
PALMER CR ACC	WINTER STEELHEAD			5,768	5,281			487
	Total			5,768	5,281			487
PENDLETON ACC	COHO			27,200	27,106			94
	FALL CHINOOK			56,795	56,826			-31
	SUMMER STEELHEAD			18,023	18,168			-144
	Total			102,019	102,100			-81
RHOADES REARING PD	FALL CHINOOK			5,950	407			5,543
	Total			5,950	407			5,543
ROARING RIVER	RAINBOW TROUT		100	185,203		68	2,887	189,199
	SUMMER STEELHEAD		106	20,199				20,306
	WINTER STEELHEAD		144	11,420				11,564
	Total		350	216,822		68	2,887	221,068
ROCK CREEK	RAINBOW TROUT			32,328	7,700		148	24,776
	SPRING CHINOOK			35,793	46,042			-10,249
	SUMMER STEELHEAD			572	2,318			-1,745
	Total			68,693	56,060		148	12,781
ROUND BUTTE	SPRING CHINOOK		23	22,162	5,718		7,081	23,548
	SUMMER STEELHEAD		1,615	57,832			374	59,822
	Total		1,638	79,994	5,718		7,456	83,370
SALMON RIVER	COHO						13,189	13,189
	FALL CHINOOK			11,627				11,627
	RAINBOW TROUT			21,089	947			20,142
	Total			32,717	947		13,189	44,959
SANDY	COHO			12,941				12,941
	SPRING CHINOOK	10,763						10,763
	SUMMER STEELHEAD			16,262	14,425			1,837
	WINTER STEELHEAD			11,042				11,042
	Total	10,763		40,245	14,425			36,582
SKUNK CR ACC	WINTER STEELHEAD			1,595	1,595			0
	Total			1,595	1,595			0

Pounds of Fish Raised by Facility in 2023 (Table 3)								
Facility	Species	Pounds Acclimated	Pounds Destroyed	Pounds Liberated	Pounds Received	Pounds Shipped	Pounds Transferred	Total Pounds
SOUTH SANTIAM	RAINBOW TROUT			32,325	14,700			17,625
	SPRING CHINOOK			89,761	7,391	1,284		83,654
	SUMMER STEELHEAD		1,223	27,969			17,046	46,237
	Total		1,223	150,055	22,091	1,284	17,046	147,516
TONGUE PT	COHO			48,980	26,940			22,040
	SPRING CHINOOK			28,551	15,880			12,671
	Total			77,531	42,820			34,711
TRASK	COHO					0	480	480
	FALL CHINOOK		216	4,841			287	5,344
	RAINBOW TROUT			92	157		1,750	1,750
	SPRING CHINOOK			20,640	14,919	2	1,584	7,307
	WINTER STEELHEAD	2,200		5,700	35		563	8,428
	Total	2,200	216	31,273	15,110	2	4,664	23,310
TROUT CR ACC	SPRING CHINOOK				6,302			0
	Total				6,302			0
TUFFY CREEK	SPRING CHINOOK			2,900	1,136			1,764
	WINTER STEELHEAD			1,490	530			960
	Total			4,390	1,666			2,724
UMATILLA HATCHERY	FALL CHINOOK	6,522			164		176	6,535
	SPRING CHINOOK	48,539						48,539
	Total	55,062			164		176	55,074
WALLOWA	RAINBOW TROUT			32,917	9,181			23,737
	Total			32,917	9,181			23,737
WALLOWA ACC	SUMMER STEELHEAD			98,280	71,794			26,486
	Total			98,280	71,794			26,486
WARRENTON H.S.	COHO			45				45
	FALL CHINOOK			243	36			207
	WINTER STEELHEAD			4				4
	Total			292	36			256
WF MILLICOMA PD	FALL CHINOOK						1,109	1,109
	WINTER STEELHEAD			3,796	3,366			430
	Total			3,796	3,366		1,109	1,539
WHISKEY CR HATCHERY	RAINBOW TROUT			346	975			0
	SPRING CHINOOK			1,768			1,700	3,468
	Total			2,114	975		1,700	3,468
WHYCHUS CR ACC (Camp Polk)	SUMMER STEELHEAD			10,091	9,082			1,009
	Total			10,091	9,082			1,009
WILLAMETTE	RAINBOW TROUT		2,148	93,387	2,400		34,105	127,240
	SPRING CHINOOK			34,664		4,837	11,990	51,492

Pounds of Fish Raised by Facility in 2023 (Table 3)								
Facility	Species	Pounds Acclimated	Pounds Destroyed	Pounds Liberated	Pounds Received	Pounds Shipped	Pounds Transferred	Total Pounds
	SUMMER STEELHEAD						6,600	6,600
	Total		2,148	128,051	2,400	4,837	52,695	185,332
WINCHESTER BAY NET PENS	FALL CHINOOK			5,136	3,810			1,326
	Total			5,136	3,810			1,326
WIZARD FALLS	BROOK TROUT			2,279	145	201		2,335
	CUTTHROAT			222	148			74
	KOKANEE			3,186			1,870	5,056
	RAINBOW TROUT		403	36,192	98	0	13,897	51,392
	SUMMER STEELHEAD	13,562	424	869	350	0		14,505
	TIGER TROUT			1,876				1,876
	Total	13,562	827	44,623	740	201	15,767	75,239
WOODWARD CR ACC	WINTER STEELHEAD			5,475	5,475			0
	Total			5,475	5,475			0
YOUNGS BAY	COHO			55,888	23,968			31,921
	FALL CHINOOK			25,710	13,124			12,586
	SPRING CHINOOK			78,284	50,729			27,555
	Total			159,882	87,821			72,061
STATEWIDE TOTALS	BROOK TROUT	0	171	2,858	407	201	407	3,229
	BROWN TROUT	0	0	6,730	0	0	0	6,730
	CHUM	0	0	886	0	0	0	886
	COHO	56,481	0	418,272	155,412	29,717	98,931	447,989
	CUTTHROAT	0	0	222	148	0	0	74
	FALL CHINOOK	90,535	1,236	306,517	109,315	52,180	6,024	347,179
	KOKANEE	0	0	5,391	1,870	0	1,870	5,391
	RAINBOW TROUT	0	6,028	1,231,898	136,220	69	136,368	1,242,039
	SOCKEYE SALMON	0	0	0	1,282	0	1,282	1,282
	SPRING CHINOOK	150,888	180	931,693	373,078	12,522	299,946	1,028,454
	SUMMER STEELHEAD	226,121	3,464	454,856	249,963	0	26,357	460,834
	TIGER TROUT	0	0	1,876	0	0	0	1,876
WINTER STEELHEAD	47,579	424	241,645	67,176	0	19,595	242,067	
Grand Total		571,605	11,504	3,602,843	1,094,870	94,689	590,779	3,788,030

Table 4. Numbers and Pounds of Fish Released in 2023

ANADROMOUS FISH RELEASES										
FACILITY	SPECIES	STOCK	FRY		FINGERLINGS		SMOLTS		TOTAL RELEASE	
			NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
ALSEA	WINTER STEELHEAD	43F	0	0	0	0	103,522	12,470	103,522	12,470
	WINTER STEELHEAD	43H	0	0	30,400	1,900	41,561	6,813	71,961	8,713
ASTORIA H.S. HATCHERY	COHO	13H	0	0	5,802	80	0	0	5,802	80
	FALL CHINOOK	13H	0	0	19,573	301	0	0	19,573	301
BANDON	FALL CHINOOK	37H	0	0	100,051	1,539	0	0	100,051	1,539
	FALL CHINOOK	44H	0	0	0	0	7,298	705	7,298	705
	WINTER STEELHEAD	144H	0	0	550	14	0	0	550	14
	WINTER STEELHEAD	44H	0	0	250	6	44,032	8,550	44,282	8,556
BEAVER CR ACCL	WINTER STEELHEAD	144H	0	0	0	0	32,175	5,850	32,175	5,850
BIG CANYON TRAP	SUMMER STEELHEAD	56H	0	0	0	0	243,134	48,822	243,134	48,822
BIG CREEK	CHUM	13H	0	0	422,955	886	0	0	422,955	886
	COHO	13H	0	0	0	0	745,236	53,614	745,236	53,614
	FALL CHINOOK	13H	0	0	1,557,087	19,976	0	0	1,557,087	19,976
	SPRING CHINOOK	21H	0	0	0	0	230,728	15,485	230,728	15,485
	WINTER STEELHEAD	13H	0	0	0	0	67,159	12,211	67,159	12,211
BIG CREEK POND	WINTER STEELHEAD	37H	0	0	0	0	14,890	2,483	14,890	2,483
BLIND SLOUGH	COHO	13H	0	0	0	0	413,874	29,883	413,874	29,883
	SPRING CHINOOK	24H	0	0	0	0	379,989	27,476	379,989	27,476
BLOSSOM GULCH	FALL CHINOOK	37H	0	0	180,786	2,781	0	0	180,786	2,781
BONNEVILLE	COHO	14H	0	0	0	0	237,821	16,071	237,821	16,071
	FALL CHINOOK	110H	0	0	0	0	63,200	4,000	63,200	4,000
	FALL CHINOOK	14H	0	0	4,162,384	53,424	0	0	4,162,384	53,424
BROCKMAN GULCH ACCL PD	WINTER STEELHEAD	62H	0	0	0	0	13,973	2,730	13,973	2,730
BULL RUN ACCL	SPRING CHINOOK	11H	0	0	194,244	10,763	0	0	194,244	10,763
CANYONVILLE ACCL	WINTER STEELHEAD	18H	0	0	0	0	21,927	1,970	21,927	1,970
CASCADE	COHO	14H	0	0	219,242	10,747	295,051	15,716	514,293	26,463
CATH.CR. ACC	SPRING CHINOOK	201H	0	0	172,180	8,358	0	0	172,180	8,358
CEDAR CREEK	SPRING CHINOOK	34H	0	0	18,074	157	0	0	18,074	157
	SPRING CHINOOK	47H	0	0	33,599	280	242,064	18,044	275,663	18,324
	SUMMER STEELHEAD	47H	0	0	28,857	962	95,980	17,500	124,837	18,462
	WINTER STEELHEAD	47H	0	0	0	0	142,984	19,395	142,984	19,395
CLACKAMAS	SPRING CHINOOK	19H	0	0	221,018	12,286	0	0	221,018	12,286
	SUMMER STEELHEAD	24H	0	0	0	0	72,854	14,571	72,854	14,571

ANADROMOUS FISH RELEASES										
FACILITY	SPECIES	STOCK	FRY		FINGERLINGS		SMOLTS		TOTAL RELEASE	
			NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
	WINTER STEELHEAD	122H	0	0	0	0	175,548	13,504	175,548	13,504
CLATSOP CTY	COHO	13H	0	0	0	0	379,759	32,156	379,759	32,156
COLE RIVERS	COHO	18H	0	0	0	0	42,808	3,960	42,808	3,960
	COHO	52H	0	0	56,554	555	51,847	4,757	108,401	5,312
	FALL CHINOOK	37H	0	0	273,346	10,549	0	0	273,346	10,549
	FALL CHINOOK	44H	0	0	0	0	124,699	6,549	124,699	6,549
	SPRING CHINOOK	52H	0	0	623,923	33,548	1,224,884	145,176	1,848,807	178,724
	SUMMER STEELHEAD	52H	0	0	0	0	94,727	19,976	94,727	19,976
	WINTER STEELHEAD	52H	0	0	0	0	182,002	33,773	182,002	33,773
	WINTER STEELHEAD	62H	0	0	0	0	88,990	18,001	88,990	18,001
DEXTER PONDS	SPRING CHINOOK	22H	0	0	0	0	1,267,851	128,856	1,267,851	128,856
	SUMMER STEELHEAD	24H	0	0	0	0	41,460	9,423	41,460	9,423
ELK RIVER	FALL CHINOOK	35H	0	0	19,650	833	258,283	15,265	277,933	16,097
	FALL CHINOOK	96H	0	0	34,361	290	166,285	9,586	200,646	9,875
	WINTER STEELHEAD	96H	0	0	21,619	254	60,997	5,527	82,616	5,782
FERRY CR ACCL (COQUILLE)	FALL CHINOOK	44H	0	0	0	0	99,736	5,600	99,736	5,600
FOSTER CR ACCL	WINTER STEELHEAD	122H	0	0	0	0	49,142	5,975	49,142	5,975
FOURTH CR	FALL CHINOOK	37H	0	0	99,799	1,279	0	0	99,799	1,279
GNAT CREEK	SPRING CHINOOK	21H	0	0	0	0	79,938	5,329	79,938	5,329
	SPRING CHINOOK	24H	0	0	0	0	584,156	39,103	584,156	39,103
	WINTER STEELHEAD	13H	0	0	0	0	40,486	6,530	40,486	6,530
GRANDE RONDE ACC	SPRING CHINOOK	80H	0	0	281,251	12,734	0	0	281,251	12,734
GREENS CREEK ACC	WINTER STEELHEAD	52H	0	0	0	0	10,904	1,880	10,904	1,880
HAT RES CTR	FALL CHINOOK	44F	0	0	0	0	1,557	97	1,557	97
HODGES CR ACC	WINTER STEELHEAD	37H	0	0	0	0	14,896	2,483	14,896	2,483
HUGHEY CR ACCL	SUMMER STEELHEAD	47H	0	0	0	0	10,078	1,800	10,078	1,800
	WINTER STEELHEAD	121F	0	0	0	0	25,768	2,200	25,768	2,200
IMEQUES	SPRING CHINOOK	91H	0	0	0	0	465,919	35,270	465,919	35,270
IMNAHA PD	SPRING CHINOOK	29H	0	0	536,857	25,396	0	0	536,857	25,396
INDIAN CR HATCHERY	FALL CHINOOK	61H	0	0	4,671	161	53,930	3,481	58,601	3,642
IRRIGON	FALL CHINOOK	97H	0	0	1,353,642	28,409	0	0	1,353,642	28,409
	SUMMER STEELHEAD	56H	9,110	76	0	0	0	0	9,110	76
	SUMMER STEELHEAD	91H	18,306	138	0	0	0	0	18,306	138
KLAMATH	SPRING CHINOOK	132H	0	0	9,383	212	8,332	833	17,715	1,045

ANADROMOUS FISH RELEASES										
FACILITY	SPECIES	STOCK	FRY		FINGERLINGS		SMOLTS		TOTAL RELEASE	
			NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
KLASKANINE	COHO	13H	0	0	0	0	1,367,172	92,314	1,367,172	92,314
	FALL CHINOOK	52H	0	0	266,226	8,540	0	0	266,226	8,540
	SPRING CHINOOK	24H	0	0	481,480	27,831	0	0	481,480	27,831
	WINTER STEELHEAD	13H	0	0	0	0	40,740	6,964	40,740	6,964
LEABURG	SPRING CHINOOK	23H	1,010	7	51,864	2,263	203,070	16,076	255,944	18,346
	SUMMER STEELHEAD	24H	0	0	0	0	101,092	22,452	101,092	22,452
LETZ CR HATCHERY	WINTER STEELHEAD	38H	0	0	0	0	18,108	3,018	18,108	3,018
LITTLE SHEEP	SUMMER STEELHEAD	29H	0	0	0	0	221,044	45,111	221,044	45,111
LOOKINGGLASS	SPRING CHINOOK	81H	0	0	273,996	13,700	0	0	273,996	13,700
LOSTINE ACC	SPRING CHINOOK	200H	0	0	268,727	11,553	0	0	268,727	11,553
MARION FORKS	SPRING CHINOOK	21H	338,722	512	1,000	56	0	0	339,722	568
MCKAY CR ACCL	SUMMER STEELHEAD	66H	0	0	0	0	12,582	1,990	12,582	1,990
MCKENZIE	SPRING CHINOOK	23H	3,500	13	0	0	394,436	32,441	397,936	32,455
MINTO PONDS	SPRING CHINOOK	21H	0	0	519	29	703,310	52,925	703,829	52,954
	SUMMER STEELHEAD	24H	0	0	0	0	109,471	21,938	109,471	21,938
MORGAN CR HATCHERY	FALL CHINOOK	37H	0	0	674,951	13,301	0	0	674,951	13,301
MOVING FALLS	SPRING CHINOOK	50H	0	0	265,797	14,063	0	0	265,797	14,063
NEHALEM	COHO	32F	0	0	0	0	100,630	6,709	100,630	6,709
	COHO	34F	0	0	0	0	121,194	6,657	121,194	6,657
	FALL CHINOOK	34H	0	0	0	0	26880	1400	26880	1400
	WINTER STEELHEAD	32F	0	0	0	0	32,280	3,587	32,280	3,587
	WINTER STEELHEAD	32H	0	0	0	0	105,565	17,249	105,565	17,249
NOBLE CR HATCHERY	FALL CHINOOK	37H	0	0	531,419	8,118	0	0	531,419	8,118
OPAL SPGS HA	SPRING CHINOOK	66H	0	0	0	0	23,580	3,908	23,580	3,908
PALMER CR ACC	WINTER STEELHEAD	33F	0	0	0	0	51,916	5,768	51,916	5,768
PENDLETON ACC	COHO	91H	0	0	0	0	503,475	27,200	503,475	27,200
	FALL CHINOOK	110H	0	0	562,506	6,669	871,692	50,126	1,434,198	56,795
	SUMMER STEELHEAD	91H	0	0	0	0	118,414	18,023	118,414	18,023
RHOADES REARING PD	FALL CHINOOK	47H	0	0	0	0	110,075	5,950	110,075	5,950
ROARING RIVER	SUMMER STEELHEAD	24H	0	0	0	0	77,360	12,144	77,360	12,144
	SUMMER STEELHEAD	33H	0	0	0	0	53,540	8,051	53,540	8,051
	WINTER STEELHEAD	38H	0	0	0	0	89,875	11,420	89,875	11,420
ROCK CREEK	SPRING CHINOOK	55H	0	0	0	0	308,069	35,793	308,069	35,793
	SUMMER STEELHEAD	55H	0	0	0	0	7,440	572	7,440	572

ANADROMOUS FISH RELEASES										
FACILITY	SPECIES	STOCK	FRY		FINGERLINGS		SMOLTS		TOTAL RELEASE	
			NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
ROUND BUTTE	SPRING CHINOOK	66H	0	0	99,657	5,476	181,537	16,686	281,194	22,162
	SUMMER STEELHEAD	66H	0	0	0	0	218,850	57,832	218,850	57,832
SALMON RIVER	FALL CHINOOK	36H	0	0	0	0	203,479	11,627	203,479	11,627
SANDY	COHO	11H	0	0	0	0	194,118	12,941	194,118	12,941
	SUMMER STEELHEAD	24H	0	0	0	0	74,804	16,262	74,804	16,262
	WINTER STEELHEAD	11H	0	0	0	0	106,001	11,042	106,001	11,042
SILETZ	WINTER STEELHEAD	33F	0	0	0	0	5,000	833	5,000	833
SKUNK CR ACC	WINTER STEELHEAD	52H	0	0	0	0	9,251	1,595	9,251	1,595
SOUTH SANTIAM	SUMMER STEELHEAD	24H	0	0	0	0	132,719	27,969	132,719	27,969
	SPRING CHINOOK	24H	0	0	0	0	1,011,827	89,761	1,011,827	89,761
THORNHOLLOW	SPRING CHINOOK	91H	0	0	0	0	199,833	12,533	199,833	12,533
TONGUE PT	COHO	13H	0	0	0	0	611,269	48,980	611,269	48,980
	SPRING CHINOOK	21H	0	0	0	0	149,719	11,499	149,719	11,499
	SPRING CHINOOK	24H	0	0	0	0	232,252	17,052	232,252	17,052
TRASK	FALL CHINOOK	34H	0	0	167,211	4,841	0	0	167,211	4,841
	SPRING CHINOOK	34H	38,432	226	104,646	6,156	224,497	14,258	367,575	20,640
	WINTER STEELHEAD	121F	0	0	0	0	66,690	5,700	66,690	5,700
TUFFY CREEK	SPRING CHINOOK	34H	0	0	57,200	2,900	0	0	57,200	2,900
	WINTER STEELHEAD	121F	0	0	29,649	1,490	0	0	29,649	1,490
WALLOWA ACC	SUMMER STEELHEAD	56H	0	0	0	0	533,973	98,280	533,973	98,280
WARRENTON H.S. HATCHERY	COHO	13H	0	0	3,478	45	0	0	3,478	45
	FALL CHINOOK	13H	0	0	16,543	243	0	0	16,543	243
	WINTER STEELHEAD	13H	0	0	345	4	0	0	345	4
WF MILLICOMA PD (M.I.CTR) HATCHERY	WINTER STEELHEAD	37H	0	0	0	0	24,671	3,796	24,671	3,796
WHISKEY CR HATCHERY	SPRING CHINOOK	34H	0	0	40,672	1,768	0	0	40,672	1,768
WHYCHUS CR ACCL (Aka Camp Polk)	SUMMER STEELHEAD	66H	0	0	0	0	63,429	10,091	63,429	10,091
WILLAMETTE	SPRING CHINOOK	22H	0	0	77,917	779	377,216	33,883	455,133	34,662
	SPRING CHINOOK	24H	422	2	0	0	0	0	422	2
WINCHESTER BAY NET PENS	FALL CHINOOK	151H	0	0	0	0	60,912	5,136	60,912	5,136
WIZARD FALLS	SUMMER STEELHEAD	66H	0	0	0	0	5,369	869	5,369	869
WOODWARD CR ACCL	WINTER STEELHEAD	144H	0	0	0	0	30,113	5,475	30,113	5,475
YOUNGS BAY	COHO	13H	0	0	0	0	793,056	55,888	793,056	55,888
	FALL CHINOOK	13H	0	0	2,172,204	25,710	0	0	2,172,204	25,710
	SPRING CHINOOK	21H	0	0	0	0	539,277	38,588	539,277	38,588

ANADROMOUS FISH RELEASES										
FACILITY	SPECIES	STOCK	FRY		FINGERLINGS		SMOLTS		TOTAL RELEASE	
			NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
	SPRING CHINOOK	24H	0	0	272,010	16,667	345,198	23,029	617,208	39,696

STATEWIDE ANADROMOUS RELEASES										
FACILITY	SPECIES	FRY		FINGERLINGS		SMOLTS		TOTAL RELEASE		
		NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	
ALL	CHUM	0	0	422,955	886	0	0	422,955	886	
	COHO	0	0	285,076	11,427	5,857,310	406,845	6,142,386	418,272	
	FALL CHINOOK	0	0	12,196,410	186,963	2,048,026	119,522	14,244,436	306,485	
	SPRING CHINOOK	382,086	761	4,086,014	206,975	9,377,682	814,004	13,845,782	1,021,740	
	SUMMER STEELHEAD	27,416	214	28,857	962	2,888,320	453,676	2,344,593	454,852	
	WINTER STEELHEAD	0	0	82,813	3,668	1,711,166	238,792	1,793,979	242,460	
STATEWIDE ANADROMOUS TOTALS		409,502	974	17,102,125	410,881	21,282,504	2,032,840	38,794,131	2,444,695	

RESIDENT RELEASES										
FACILITY	SPECIES	STOCK	FINGERLINGS		LEGALS		TROPHIES		TOTAL RELEASE	
			NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
ALSEA	RAINBOW TROUT	72T	0	0	160,447	68,098	17,681	19,392	178,128	87,489
BANDON	RAINBOW TROUT	72T	0	0	0	0	3,496	8,145	3,496	8,145
CEDAR CREEK	RAINBOW TROUT	72T	0	0	0	0	520	1,789	520	1,789
COLE RIVERS	RAINBOW TROUT	127T	64,271	2,689	0	0	0	0	64,271	2,689
	RAINBOW TROUT	53T	0	0	40,911	13,124	0	0	40,911	13,124
	RAINBOW TROUT	72T	75,959	10,594	242,342	73,892	25,298	23,447	343,599	107,933
EASTWOOD GRADE SCHOOL	RAINBOW TROUT	72T	0	0	1,002	306	0	0	1,002	306
ELK RIVER	RAINBOW TROUT	72T	0	0	5212	1962.34889	3739	4249.8	8951	6212.14889
FALL RIVER	BROOK TROUT	74T	50,980	342	0	0	0	0	50,980	342
	RAINBOW TROUT	127T	59,250	395	34,073	13,430	8,265	8,110	101,588	21,935
	RAINBOW TROUT	133T	1,500	10	0	0	0	0	1,500	10
	RAINBOW TROUT	72T	0	0	42,125	15,963	3,764	9,005	45,889	24,968
IRRIGON	RAINBOW TROUT	53T	25,275	1,761	105,345	39,421	16,188	17,347	146,808	58,529
KLAMATH	BROOK TROUT	74T	18,323	117	0	0	0	0	18,323	117
	BROWN TROUT	71T	49,129	6,730	0	0	0	0	49,129	6,730
	RAINBOW TROUT	53H	398,855	11,282	0	0	0	0	398,855	11,282
	RAINBOW TROUT	53T	54,687	962	0	0	0	0	54,687	962
	RAINBOW TROUT	72T	101,172	2,583	87,531	37,606	23,572	39,224	212,275	79,413
LEABURG	RAINBOW TROUT	103T	0	0	0	0	1,043	899	1,043	899
	RAINBOW TROUT	133T	0	0	0	0	390	797	390	797
	RAINBOW TROUT	53T	19,823	3,050	0	0	88,366	58,788	108,189	61,838
	RAINBOW TROUT	72T	12,027	1,420	95,921	41,150	105,374	87,087	213,322	129,657
MARION FORKS	BROOK TROUT	74T	5,092	22	0	0	0	0	5,092	22
	KOKANEE	67H	60,403	2,205	0	0	0	0	60,403	2,205
	RAINBOW TROUT	127T	13,920	50	0	0	0	0	13,920	50
NEHALEM	RAINBOW TROUT	53T	0	0	10,528	4,429	0	0	10,528	4,429
	RAINBOW TROUT	72T	0	0	40,357	19,230	10,675	8,929	51,032	28,159

RESIDENT RELEASES										
FACILITY	SPECIES	STOCK	FINGERLINGS		LEGALS		TROPHIES		TOTAL RELEASE	
			NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
OAK SPRINGS	BROOK TROUT	74T	14,540	97	0	0	0	0	14,540	97
	RAINBOW TROUT	127T	9,060	60	0	0	0	0	9,060	60
	RAINBOW TROUT	133H	0	0	11,786	5,793	4,109	5,761	15,895	11,554
	RAINBOW TROUT	133T	0	0	0	0	8,250	4,620	8,250	4,620
	RAINBOW TROUT	53H	754,175	16,405	0	0	16,498	29,995	770,673	46,400
	RAINBOW TROUT	53T	168,597	3,595	50,794	22,424	91,144	58,638	310,535	84,657
ROARING RIVER	RAINBOW TROUT	72H	0	0	0	0	8,628	34,164	8,628	34,164
	RAINBOW TROUT	72T	253,781	5,457	140,492	68,076	73,062	77,486	467,335	151,019
ROCK CREEK	RAINBOW TROUT	53T	0	0	1,080	540	6,989	5,324	8,069	5,864
	RAINBOW TROUT	72T	0	0	69,175	26,364	0	0	69,175	26,364
SALMON RIVER	RAINBOW TROUT	72T	0	0	12,385	5,637	22,346	15,451	34,731	21,088
SOUTH SANTIAM	RAINBOW TROUT	72T	0	0	55,981	26,773	10,545	5,550	66,526	32,323
TRASK	RAINBOW TROUT	53T	0	0	200	74	0	0	200	74
	RAINBOW TROUT	72T	0	0	0	0	20	18	20	18
WALLOWA	RAINBOW TROUT	127T	17,345	179	0	0	0	0	17,345	179
	RAINBOW TROUT	53T	0	0	59,190	21,305	10,161	11,434	69,351	32,739
WHISKEY CR HATCHERY	RAINBOW TROUT	72T	0	0	0	0	225	346	225	346
WILLAMETTE	RAINBOW TROUT	103T	0	0	0	0	12,195	6,775	12,195	6,775
	RAINBOW TROUT	72T	20,000	363	155,844	62,745	39,067	23,504	214,911	86,612
WIZARD FALLS	BROOK TROUT	129H	27,597	2,139	0	0	0	0	27,597	2,139
	BROOK TROUT	74T	21,001	140	0	0	0	0	21,001	140
	CUTTHROAT	302H	29,781	221	0	0	0	0	29,781	221
	KOKANEE	67H	195,279	3,184	0	0	0	0	195,279	3,184
	RAINBOW TROUT	127F	1,883	314	0	0	0	0	1,883	314
	RAINBOW TROUT	127H	21,935	941	1,160	510	1,117	3,022	24,212	4,473
	RAINBOW TROUT	127T	296,546	18,839	14,274	5,634	3,052	1,649	313,872	26,122
	RAINBOW TROUT	133T	3,629	29	0	0	0	0	3,629	29
	RAINBOW TROUT	53T	345,585	5,055	0	0	0	0	345,585	5,055
	RAINBOW TROUT	72T	59,135	168	0	0	0	0	59,135	168
	TIGER TROUT	74T	38,588	1,876	0	0	0	0	38,588	1,876

RESIDENT RELEASES										
			FINGERLINGS		LEGALS		TROPHIES		TOTAL RELEASE	
FACILITY	SPECIES	STOCK	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS
ALL	BROOK TROUT	ALL	137,533	2,858	0	0	0	0	137,533	2,858
	BROWN TROUT		49,129	6,730	0	0	0	0	49,129	6,730
	CUTTHROAT		29,781	221	0	0	0	0	29,781	221
	KOKANEE		255,682	5,389	0	0	0	0	255,682	5,389
	RAINBOW TROUT		2,778,410	86,200	1,438,155	574,487	615,779	570,947	4,832,344	1,231,634
	TIGER TROUT		38,588	1,876	0	0	0	0	38,588	1,876
STATEWIDE RESIDENT TOTALS			3,289,123	103,273	1,438,155	574,487	615,779	570,947	5,343,057	1,248,707

STATEWIDE GRAND TOTAL ANADROMOUS + RESIDENT									44,137,188	3,693,402
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Table 5. Numbers and Pounds of Fish Stocked by Watershed in 2023

Anadromous Fish Released by Watershed (Table 5)									
WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FRY	FINGERLING	SMOLT	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
1 - NORTH COAST	BAYS CR (NESTUCCA R)	WINTER STEELHEAD	47F	CEDAR CREEK	0	0	30,600	30,600	6,000
	BEAVER CR (NESTUCCA R)	SPRING CHINOOK	47H	CEDAR CREEK	0	0	46,190	46,190	3,100
	BIG CR BELOW HATCHERY	CHUM	13H	BIG CREEK	0	422,955	0	422,955	886
		COHO	13H	BIG CREEK	0	0	745,236	745,236	53,614
		FALL CHINOOK	13H	BIG CREEK	0	1,557,087	0	1,557,087	19,976
		SPRING CHINOOK	21H	BIG CREEK	0	0	230,728	230,728	15,485
		WINTER STEELHEAD	13H	BIG CREEK	0	0	67,159	67,159	12,211
	BLIND SLOUGH (COLUMBIA R-1)	COHO	13H	BLIND SLOUGH	0	0	413,874	413,874	29,883
		SPRING CHINOOK	24H	BLIND SLOUGH	0	0	379,989	379,989	27,476
				GNAT CREEK	0	0	292,049	292,049	19,604
	CAPE MEARES LK	SPRING CHINOOK	34H	CEDAR CREEK	0	18,074	0	18,074	157
	CHAMBERLAIN LK	SUMMER STEELHEAD	47H	CEDAR CREEK	0	9,000	0	9,000	300
	GNAT CR	SPRING CHINOOK	21H	GNAT CREEK	0	0	79,938	79,938	5,329
		SPRING CHINOOK	24H	GNAT CREEK	0	0	292,107	292,107	19,498
		WINTER STEELHEAD	13H	GNAT CREEK	0	0	40,486	40,486	6,530
	KLASKANINE R, N FK	COHO	13H	KLASKANINE	0	0	1,367,172	1,367,172	92,314
		FALL CHINOOK	52H	KLASKANINE	0	266,226	0	266,226	8,540
		SPRING CHINOOK	24H	KLASKANINE	0	481,480	0	481,480	27,831
		WINTER STEELHEAD	13H	KLASKANINE	0	0	40,740	40,740	6,964
	KLASKANINE R, S FK	COHO	13H	CLATSOP CTY	0	0	379,759	379,759	32,156
	LOREN'S PD	SPRING CHINOOK	34H	TRASK	38,432	0	0	38,432	226
	NECANICUM R	FALL CHINOOK	34H	NEHALEM	0	0	26,880	26,880	1,400
		WINTER STEELHEAD	32H	NEHALEM	0	0	26,460	26,460	4,200
NEHALEM R, N FK	COHO	32F	NEHALEM	0	0	100,630	100,630	6,709	
	WINTER STEELHEAD	32F	NEHALEM	0	0	32,280	32,280	3,587	
		32H	NEHALEM	0	0	65,830	65,830	10,799	

Anadromous Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FRY	FINGERLING	SMOLT	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
NESTUCCA R		FALL CHINOOK	47H	RHOADES REARING PD	0	0	74,925	74,925	4,050
		SPRING CHINOOK	47H	CEDAR CREEK	0	0	133,983	133,983	9,695
		SUMMER STEELHEAD	47H	CEDAR CREEK	0	0	23,220	23,220	4,300
		WINTER STEELHEAD	47F	CEDAR CREEK	0	0	60,801	60,801	6,870
NESTUCCA R, L		SPRING CHINOOK	47H	CEDAR CREEK	0	0	34,686	34,686	2,820
SKIPANON R		COHO	13H	WARRENTON H.S. HATCHERY	0	3,478	0	3,478	45
		FALL CHINOOK	13H		0	16,543	0	16,543	243
		WINTER STEELHEAD	13H		0	345	0	345	4
THREE R		FALL CHINOOK	47H	RHOADES REARING PD	0	0	35,150	35,150	1,900
		SPRING CHINOOK	47H	CEDAR CREEK	0	0	27,205	27,205	2,429
		SUMMER STEELHEAD	47H	CEDAR CREEK	0	0	31,320	31,320	5,800
		WINTER STEELHEAD	47F	CEDAR CREEK	0	0	51,583	51,583	6,525
TONGUE POINT		COHO	13H	TONGUE PT	0	0	611,269	611,269	48,980
		SPRING CHINOOK	21H	TONGUE PT	0	0	149,719	149,719	11,499
			24H	TONGUE PT	0	0	232,252	232,252	17,052
TOWN LK		SPRING CHINOOK	47H	CEDAR CREEK	0	33,599	0	33,599	280
		SUMMER STEELHEAD	47H	CEDAR CREEK	0	19,857	0	19,857	662
TRASK R		COHO	34F	NEHALEM	0	0	121,194	121,194	6,657
		FALL CHINOOK	34H	TRASK	0	167,211	0	167,211	4,841
				TRASK	0	104,646	224,497	329,143	20,414
		SPRING CHINOOK	34H	TUFFY CREEK	0	57,200	0	57,200	2,900
WHISKEY CR HATCHERY	0			40,672	0	40,672	1,768		
VOLMER CR		WINTER STEELHEAD	32H	NEHALEM	0	0	13,275	13,275	2,250
WILSON R		SUMMER STEELHEAD	47H	CEDAR CREEK	0	0	12,180	12,180	2,175
				HUGHEY CR ACCL	0	0	10,078	10,078	1,800
		WINTER STEELHEAD	121F	HUGHEY CR ACCL	0	0	25,768	25,768	2,200
				TRASK	0	0	66,690	66,690	5,700

Anadromous Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FRY	FINGERLING	SMOLT	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED	
	WILSON R, S FK	SUMMER STEELHEAD	47H	CEDAR CREEK	0	0	29,260	29,260	5,225	
		WINTER STEELHEAD	121H	TUFFY CREEK	0	29,649	0	29,649	1,490	
	YOUNGS R & BAY	COHO	13H	ASTORIA H.S. HATCHERY	0	5,802	0	5,802	80	
				YOUNGS BAY	0	0	793,056	793,056	55,888	
		FALL CHINOOK	13H	ASTORIA H.S. HATCHERY	0	19,573	0	19,573	301	
				YOUNGS BAY	0	2,172,204	0	2,172,204	25,710	
		SPRING CHINOOK	21H	YOUNGS BAY	0	0	539,277	539,277	38,588	
			24H	YOUNGS BAY	0	272,010	345,198	617,208	39,696	
	North Coast WATERSHED TOTAL					38,432	5,697,611	8,304,693	14,040,736	755,610
	2 - WILLAMETTE	COPPER CR	SPRING CHINOOK	21H	MARION FORKS	28,350	0	0	28,350	71
DETROIT RES		SPRING CHINOOK	21H	MARION FORKS	100,000	0	0	100,000	88	
HILLS CR RES		SPRING CHINOOK	22H	WILLAMETTE	0	77,917	0	77,917	779	
MCKENZIE R, S FK		SPRING CHINOOK	23H	LEABURG	1,010	51,864	3,250	56,124	2,512	
				MCKENZIE	3,500	0	500	4,000	50	
MCKENZIE R-1 (below Leaburg Dam)		SPRING CHINOOK	23H	LEABURG	0	0	199,820	199,820	15,834	
				MCKENZIE	0	0	393,936	393,936	32,404	
		SUMMER STEELHEAD	24H	LEABURG	0	0	101,092	101,092	22,452	
MOLALLA R		SPRING CHINOOK	21H	MARION FORKS	74,840	0	0	74,840	187	
MOLALLA R (MID)		SPRING CHINOOK	21H	MARION FORKS	28,350	0	0	28,350	71	
MOSBY CR		SPRING CHINOOK	22H	WILLAMETTE	0	0	20,000	20,000	2,000	
ROW RIVER		SPRING CHINOOK	22H	WILLAMETTE	0	0	357,216	357,216	31,883	
SANTIAM R & N FK-1		SPRING CHINOOK	21H	MARION FORKS	107,182	1,000	0	108,182	152	
				MINTO PONDS	0	519	703,310	703,829	52,954	
		SUMMER STEELHEAD	24H	MINTO PONDS	0	0	109,471	109,471	21,938	
SANTIAM R, S FK	SPRING CHINOOK	24H	SOUTH SANTIAM	0	0	1,011,827	1,011,827	89,761		
			WILLAMETTE	422	0	0	422	2		
	SUMMER STEELHEAD	24H	SOUTH SANTIAM	0	0	111,626	111,626	23,750		

Anadromous Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FRY	FINGERLING	SMOLT	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	WILLAMETTE R, MID FK	SPRING CHINOOK	22H	DEXTER PONDS	0	0	1,267,851	1,267,851	128,856
		SUMMER STEELHEAD	24H	DEXTER PONDS	0	0	41,460	41,460	9,423
	ROARING RIVER			0	0	22,047	22,047	3,461	
	WILLAMETTE R-2	SUMMER STEELHEAD	24H	ROARING RIVER	0	0	55,313	55,313	8,683
				SOUTH SANTIAM	0	0	21,093	21,093	4,219
Willamette WATERSHED TOTAL					343,654	131,300	4,419,812	4,894,766	451,531
3 - CLACKAMAS / SANDY	BULL RUN R	SPRING CHINOOK	11H	BULL RUN ACCL	0	194,244	0	194,244	10,763
	CEDAR CR (SANDY R)	COHO	11H	SANDY	0	0	194,118	194,118	12,941
		SUMMER STEELHEAD	24H	SANDY	0	0	74,804	74,804	16,262
		WINTER STEELHEAD	11H	SANDY	0	0	106,001	106,001	11,042
	CLACKAMAS R	SPRING CHINOOK	19H	CLACKAMAS	0	221,018	0	221,018	12,286
		SUMMER STEELHEAD	24H	CLACKAMAS	0	0	72,854	72,854	14,571
		WINTER STEELHEAD	122H	CLACKAMAS	0	0	175,548	175,548	13,504
	FOSTER CR ACCL			0	0	49,142	49,142	5,975	
	TANNER CR	COHO	14H	BONNEVILLE	0	0	237,821	237,821	16,071
		FALL CHINOOK	14H	BONNEVILLE	0	4,162,384	0	4,162,384	53,424
Clackamas / Sandy WATERSHED TOTAL					0	4,577,646	910,288	5,487,934	166,837
4 - HOOD	HOOD R, W FK	SPRING CHINOOK	50H	MOVING FALLS	0	265,797	0	265,797	14,063
	Hood WATERSHED TOTAL					0	265,797	0	265,797
5 - DESCHUTES	CROOKED R (DESCHUTES)	SUMMER STEELHEAD	66H	OPAL SPGS HA	0	0	5,470	5,470	908
	DESCHUTES R-1	SUMMER STEELHEAD	66H	OPAL SPGS HA	0	0	18,110	18,110	3,000
				WHYCHUS CR ACCL	0	0	18,418	18,418	2,875
	DESCHUTES R-2	SPRING CHINOOK	66H	ROUND BUTTE	0	99,657	181,537	281,194	22,162
		SUMMER STEELHEAD	66H	ROUND BUTTE	0	0	179,503	179,503	45,205
	DESCHUTES R-3	SUMMER STEELHEAD	66H	WHYCHUS CR ACCL	0	0	400	400	63
	HAYSTACK RES	SUMMER STEELHEAD	66H	ROUND BUTTE	0	0	9,488	9,488	2,875
JEFF COUNTY FISHING PD	SUMMER STEELHEAD	66H	ROUND BUTTE	0	0	2,005	2,005	650	

Anadromous Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FRY	FINGERLING	SMOLT	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	MCKAY CR	SUMMER STEELHEAD	66H	MCKAY CR ACC	0	0	12,582	12,582	1,990
				WIZARD FALLS	0	0	5,369	5,369	869
	SIMTUSTUS LK	SUMMER STEELHEAD	66H	ROUND BUTTE	0	0	27,854	27,854	9,102
	WHYCHUS CR	SUMMER STEELHEAD	66H	WHYCHUS CR ACCL	0	0	44,611	44,611	7,153
	Deschutes WATERSHED TOTAL					0	99,657	505,347	605,004
7 - UMATILLA	UMATILLA R	COHO	91H	PENDLETON ACC	0	0	503,475	503,475	27,200
				BONNEVILLE	0	0	63,200	63,200	4,000
		FALL CHINOOK	110H	PENDLETON ACC	0	562,506	871,692	1,434,198	56,795
				IMEQUES	0	0	465,919	465,919	35,270
		SUMMER STEELHEAD	91H	IRRIGON	18,306	0	0	18,306	138
				PENDLETON ACC	0	0	118,414	118,414	18,023
		Umatilla WATERSHED TOTAL					18,306	562,506	2,222,533
8 - GRANDE RONDE	CATHERINE CR	SPRING CHINOOK	201H	CATH.CR. ACC	0	172,180	0	172,180	8,358
	DEER CR	SUMMER STEELHEAD	56H	BIG CANYON TRAP	0	0	243,134	243,134	48,822
	GRANDE RONDE -CTUIR acc	SPRING CHINOOK	80H	GRANDE RONDE ACC	0	281,251	0	281,251	12,734
	GRANDE RONDE 2	FALL CHINOOK	97H	IRRIGON	0	245,452	0	245,452	5,222
	IMNAHA R	SPRING CHINOOK	29H	IMNAHA PD	0	536,857	0	536,857	25,396
	LOOKINGGLASS CR	SPRING CHINOOK	81H	LOOKINGGLASS	0	273,996	0	273,996	13,700
	LOSTINE AT ACC PD - NPT	SPRING CHINOOK	200H	LOSTINE ACC	0	268,727	0	268,727	11,553
	LOSTINE R	COHO	14H	CASCADE	0	219,242	295,051	514,293	26,463
	SHEEP CR	SUMMER STEELHEAD	29H	LITTLE SHEEP	0	0	221,044	221,044	45,111
	SPRING CR (WALLOWA R)	SUMMER STEELHEAD	56H	WALLOWA ACC	0	0	533,973	533,973	98,280
	Grande Ronde WATERSHED TOTAL					0	1,997,705	1,293,202	3,290,907
9 - IRRIGON	HIGHWAY 203 POND	SUMMER STEELHEAD	56H	IRRIGON	9,110	0	0	9,110	76
	Irrigon WATERSHED TOTAL					9,110	0	0	9,110
14 - KLAMATH	CROOKED CR	SPRING CHINOOK	132H	KLAMATH	0	0	454	454	45

Anadromous Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FRY	FINGERLING	SMOLT	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	LINK R	SPRING CHINOOK	132H	KLAMATH	0	202	556	758	64
	SPRAGUE R, N FK	SPRING CHINOOK	132H	KLAMATH	0	2,595	502	3,097	108
	WILLIAMSON R	SPRING CHINOOK	132H	KLAMATH	0	3,557	3,460	7,017	425
	WOOD R	SPRING CHINOOK	132H	KLAMATH	0	3,029	3,360	6,389	403
	Klamath WATERSHED TOTAL				0	9,383	8,332	17,715	1,045
15 - ROGUE	APPLEGATE R	WINTER STEELHEAD	62H	COLE RIVERS	0	0	86,783	86,783	17,586
	APPLEGATE RES	SPRING CHINOOK	52H	COLE RIVERS	0	71,752	0	71,752	1,300
		WINTER STEELHEAD	62H	COLE RIVERS	0	0	2,207	2,207	415
	EMIGRANT RES	SUMMER STEELHEAD	52H	COLE RIVERS	0	0	823	823	175
		WINTER STEELHEAD	52H	COLE RIVERS	0	0	15,916	15,916	1,061
	FISH LK	COHO	52H	COLE RIVERS	0	56,554	0	56,554	555
		WINTER STEELHEAD	52H	COLE RIVERS	0	0	8,763	8,763	1,500
	GREENS CR	WINTER STEELHEAD	52H	GREENS CR ACCL	0	0	10,904	10,904	1,880
	JUMP OFF JOE CR	WINTER STEELHEAD	62H	BROCKMAN GULCH	0	0	13,973	13,973	2,730
	ROGUE R above Lost Creek	SPRING CHINOOK	52H	COLE RIVERS	0	25,200	0	25,200	420
	ROGUE R-1	FALL CHINOOK	61H	INDIAN CR HATCHERY	0	4,671	53,930	58,601	3,642
		SPRING CHINOOK	52H	COLE RIVERS	0	116,988	58,462	175,450	10,537
	ROGUE R-3	SPRING CHINOOK	52H	COLE RIVERS	0	0	267,007	267,007	39,559
	ROGUE R-4	COHO	52H	COLE RIVERS	0	0	51,847	51,847	4,757
		SPRING CHINOOK	52H	COLE RIVERS	0	409,983	899,415	1,309,398	126,907
		SUMMER STEELHEAD	52H	COLE RIVERS	0	0	93,904	93,904	19,801
		WINTER STEELHEAD	52H	COLE RIVERS	0	0	157,323	157,323	31,212
SKUNK CR	WINTER STEELHEAD	52H	SKUNK CR ACCL	0	0	9,251	9,251	1,595	
	Rogue WATERSHED TOTAL				0	685,148	1,730,508	2,415,656	265,632

Anadromous Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FRY	FINGERLING	SMOLT	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
16 - UMPQUA	CANYON CR	WINTER STEELHEAD	18H	CANYONVILLE ACCL	0	0	21,927	21,927	1,970
	COW CR	COHO	18H	COLE RIVERS	0	0	42,808	42,808	3,960
	GALESVILLE RES	SUMMER STEELHEAD	55H	ROCK CREEK	0	0	650	650	50
	ROCK CR (UMPQUA R, N FK)	SPRING CHINOOK	55H	ROCK CREEK	0	0	308,069	308,069	35,793
		SUMMER STEELHEAD	55H	ROCK CREEK	0	0	6,790	6,790	522
	UMPQUA R	FALL CHINOOK	151H	WINCHESTER BAY	0	0	60,912	60,912	5,136
	Umpqua WATERSHED TOTAL					0	0	441,156	441,156
17 - SOUTH COAST	BLOSSOM GULCH	WINTER STEELHEAD	37H	BLOSSOM GULCH SCH	0	180,786	0	180,786	2,781
	CHETCO R	FALL CHINOOK	96H	ELK RIVER	0	34,361	166,285	200,646	9,875
		WINTER STEELHEAD	96H	ELK RIVER	0	21,619	60,997	82,616	5,782
	COOS R, S FK	WINTER STEELHEAD	37H	BIG CREEK POND	0	0	14,890	14,890	2,483
	COQUILLE R, N FK	FALL CHINOOK	44F	HAT RES CTR	0	0	1,557	1,557	97
		WINTER STEELHEAD	44H	BANDON	0	0	40,942	40,942	7,950
	COQUILLE R, S FK	WINTER STEELHEAD	144H	BEAVER CR ACCL	0	0	32,175	32,175	5,850
				WOODWARD CR ACCL	0	0	30,113	30,113	5,475
	ELK R	FALL CHINOOK	35H	ELK RIVER	0	19,650	258,283	277,933	16,097
	EMPIRE LK, LWR	WINTER STEELHEAD	144H	BANDON	0	550	0	550	14
			44H	BANDON	0	250	0	250	6
	FERRY CR (COQUILLE)	FALL CHINOOK	44H	BANDON	0	0	6,216	6,216	581
				FERRY CR ACCL	0	0	99,736	99,736	5,600
		WINTER STEELHEAD	44H	BANDON	0	0	3,090	3,090	600
	FOURTH CR (COOS R)	FALL CHINOOK	37H	FOURTH CR	0	99,799	0	99,799	1,279
	HODGES CR	WINTER STEELHEAD	37H	HODGES CR	0	0	14,896	14,896	2,483
	LAMPA CR	FALL CHINOOK	44H	BANDON	0	0	1,082	1,082	124
MILLICOMA R, W FK	WINTER STEELHEAD	37H	WF MILLICOMA PD	0	0	24,671	24,671	3,796	
MORGAN CR (COOS R)	FALL CHINOOK	37H	COLE RIVERS	0	273,346	0	273,346	10,549	
			MORGAN CR HATCHERY	0	674,951	0	674,951	13,301	
NOBLE CR (COOS R)	FALL CHINOOK	37H	NOBLE CR HATCHERY	0	531,419	0	531,419	8,118	

Anadromous Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FRY	FINGERLING	SMOLT	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	PONY CR	FALL CHINOOK	37H	BANDON	0	100,051	0	100,051	1,539
	SEVENMILE CR	FALL CHINOOK	44H	COLE RIVERS	0	0	124,699	124,699	6,549
	South Coast WATERSHED TOTAL				0	1,936,782	879,632	2,816,414	110,930
18 - MID COAST	ALSEA R	WINTER STEELHEAD	43F	ALSEA	0	0	20,000	20,000	2,326
	ALSEA R, N FK	WINTER STEELHEAD	43F	ALSEA	0	0	83,522	83,522	10,144
			43H	ALSEA	0	0	41,561	41,561	6,813
	GREEN R (SIUSLAW)	WINTER STEELHEAD	38H	ROARING RIVER	0	0	15,000	15,000	1,906
	LETZ CR (SIUSLAW R)	WINTER STEELHEAD	38H	LETZ CR HATCHERY	0	0	18,108	18,108	3,018
	OLALLA CR RES	WINTER STEELHEAD	43H	ALSEA	0	30,400	0	30,400	1,900
	ROCK CR, L (SILETZ R)	WINTER STEELHEAD	33F	SILETZ	0	0	5,000	5,000	833
	SALMON R (OR COAST)	FALL CHINOOK	36H	SALMON RIVER	0	0	203,479	203,479	11,627
	SILETZ R	WINTER STEELHEAD	33H	ROARING RIVER	0	0	53,540	53,540	8,051
			33F	PALMER CR ACC	0	0	51,916	51,916	5,768
WHITTAKER CR (SIUSLAW R)	WINTER STEELHEAD	38H	ROARING RIVER	0	0	74,875	74,875	9,514	
Mid Coast WATERSHED TOTAL					0	30,400	567,001	597,401	61,902
STATEWIDE ANADROMOUS SPECIES RELEASE TOTAL					409,502	17,102,125	21,282,504	38,794,131	2,444,695

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
1 - NORTH COAST	CAPE MEARES LK	RAINBOW TROUT	72T	NEHALEM	0	8,978	408	9,386	5,005
				WHISKY CR HAT	0	0	225	225	346
	CHAMBERLAIN LK	RAINBOW TROUT	72T	NEHALEM	0	0	301	301	167
	COFFENBURY LK	RAINBOW TROUT	53T	NEHALEM	0	4,515	0	4,515	2,150
				NEHALEM	0	3,914	2,306	6,220	3,802
	CULLABY LK	RAINBOW TROUT	72T	NEHALEM	0	872	0	872	415
	HEBO LK	RAINBOW TROUT	72T	CEDAR CREEK	0	1,283	0	1,283	475
				KLAMATH	0	0	210	210	743
				NEHALEM	0	2,266	0	2,266	1,030
				SALMON RIVER	0	1,450	0	1,450	725
			53T	NEHALEM	0	2,501	3,919	6,420	3,714
	LOREN'S PD	RAINBOW TROUT	72T	NEHALEM	0	2,820	0	2,820	1,312
	LOST LK	RAINBOW TROUT	72T	NEHALEM	0	1,500	0	1,500	633
			53T		0	5,575	3,017	8,592	5,529
	LYTLE LK	RAINBOW TROUT	72T	NEHALEM	0	3,498	2,375	5,873	2,900
	NEDONNA PD	RAINBOW TROUT	72T	NEHALEM	0	500	0	500	185
			53T	NEHALEM	0	681	0	681	317
	NORTH LK	RAINBOW TROUT	72T	SALMON RIVER	0	0	200	200	143
	SCOUT LK	RAINBOW TROUT	72T	ROARING RIVER	0	0	202	202	253
	SEAVIEW LK	RAINBOW TROUT	72T	NEHALEM	0	200	0	200	95
	SMITH LK	RAINBOW TROUT	72T	NEHALEM	0	1,523	0	1,523	725
	SOUTH LK	RAINBOW TROUT	72T	CEDAR CREEK	0	0	100	100	303
				SALMON RIVER	0	0	4,500	4,500	3,253
	SPRING LK	RAINBOW TROUT	72T	NEHALEM	0	920	0	920	438
	SUNSET LK	RAINBOW TROUT	72T	NEHALEM	0	2,248	157	2,405	1,364
	TAHOE LK	RAINBOW TROUT	72T	NEHALEM	0	973	0	973	453
	TOWN LK	RAINBOW TROUT	72T	CEDAR CREEK	0	770	0	770	285
				KLAMATH	0	200	0	200	74
				TRASK	0	0	210	210	743
NEHALEM				0	2,200	0	2,200	1,000	
SALMON RIVER				0	900	353	1,253	1,137	
53T			TRASK	0	2,849	1,751	4,600	2,550	
			NEHALEM	0	0	20	20	18	
TROJAN RECREATION LK	RAINBOW TROUT	53T	OAK SPRINGS	0	0	1,500	1,500	1,500	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	VERNONIA LK	RAINBOW TROUT	72T	ALSEA	0	4,665	0	4,665	1,794
				ROARING RIVER	0	1,060	5,076	6,136	5,830
			53T	NEHALEM	0	1,960	0	1,960	700
			72T	NEHALEM	0	5,805	1,758	7,563	3,775
			North Coast Watershed Total				0	66,626	28,588
2 - WILLAMETTE	AERIAL LAKE	BROOK TROUT	74T	FALL RIVER	225	0	0	225	2
		RAINBOW TROUT	127T	FALL RIVER	375	0	0	375	3
	ALICE LAKE	BROOK TROUT	74T	WIZARD FALLS	188	0	0	188	1
	ALTON BAKER CANAL	RAINBOW TROUT	133T	LEABURG	0	0	190	190	380
			72T	LEABURG	0	0	6,928	6,928	4,603
				ROARING RIVER	0	4,371	14,663	19,034	15,192
		53T	LEABURG	0	4,130	0	4,130	2,000	
	AMSTUTZ LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	AVERILL LK	BROOK TROUT	74T	OAK SPRINGS	600	0	0	600	4
	BAYS LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
	BEAR LK	BROOK TROUT	74T	WIZARD FALLS	450	0	0	450	3
	BENSON LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
		RAINBOW TROUT	127T	WIZARD FALLS	600	0	0	600	4
	BERLEY LK, LWR	RAINBOW TROUT	127T	WIZARD FALLS	375	0	0	375	3
	BERLEY LK, UPR	BROOK TROUT	74T	WIZARD FALLS	450	0	0	450	3
	BETHANY PD	RAINBOW TROUT	72T	ALSEA	0	2,664	0	2,664	1,222
	BETTY LK	RAINBOW TROUT	127T	FALL RIVER	1,800	0	0	1,800	12
	BIG LK	BROOK TROUT	74T	MARION FORKS	3,992	0	0	3,992	18
		RAINBOW TROUT	127T	MARION FORKS	220	0	0	220	1
			133T	WIZARD FALLS	718	0	0	718	6
	BILLY LK	RAINBOW TROUT	72T	ROARING RIVER	1,500	0	0	1,500	19
	BIRTHDAY LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
	BLUE LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
	BLUE R	RAINBOW TROUT	72T	LEABURG	0	1,270	468	1,738	865
				ROARING RIVER	0	1,575	0	1,575	750
				WILLAMETTE	0	1,530	0	1,530	600
	BLUE RIVER RES	RAINBOW TROUT	53T	LEABURG	10,398	0	0	10,398	1,600
			72T	WILLAMETTE	0	6,720	0	6,720	2,700
BOO BOO LK	BROOK TROUT	74T	FALL RIVER	225	0	0	225	2	
	RAINBOW TROUT	127T	FALL RIVER	375	0	0	375	3	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	BOOT LAKE	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
		RAINBOW TROUT	127T	FALL RIVER	300	0	0	300	2
	BOWERMAN LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	BRADLEY LK	RAINBOW TROUT	127T	MARION FORKS	400	0	0	400	2
	BREITENBUSH R	RAINBOW TROUT	72T	ROARING RIVER	0	1,400	1,413	2,813	1,440
				SOUTH SANTIAM	0	10,000	0	10,000	5,000
				WILLAMETTE	0	0	6,900	6,900	4,000
	BRITTANY LK	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3
	BUCK LK	RAINBOW TROUT	72T	ROARING RIVER	600	0	0	600	8
	BURNT TOP LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
		RAINBOW TROUT	127T	FALL RIVER	300	0	0	300	2
	CANBY PD	RAINBOW TROUT	72T	LEABURG	0	0	914	914	825
				ROARING RIVER	0	2,317	1,591	3,908	3,017
	CARDIAC LK	RAINBOW TROUT	127T	FALL RIVER	450	0	0	450	3
	CHETLO LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
		RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	CHRIS LK	RAINBOW TROUT	127T	MARION FORKS	400	0	0	400	2
	CINCHA LK, L	RAINBOW TROUT	127T	MARION FORKS	300	0	0	300	1
	CLAGGETT LK	RAINBOW TROUT	127T	WIZARD FALLS	600	0	0	600	4
	CLARE LK	BROOK TROUT	74T	WIZARD FALLS	188	0	0	188	1
		RAINBOW TROUT	127T	WIZARD FALLS	413	0	0	413	3
	CLEAR LK	RAINBOW TROUT	72T	WILLAMETTE	0	14,350	7,650	22,000	10,250
	CLIFF LK	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3
		RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	CLINTON LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	COMMONWEALTH LK	RAINBOW TROUT	72T	ALSEA	0	3,006	0	3,006	1,221
				ROARING RIVER	0	1,995	200	2,195	1,200
	COPEPOD LK	RAINBOW TROUT	127T	FALL RIVER	450	0	0	450	3
	CORRIGAN LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	COTTAGE GROVE RES	RAINBOW TROUT	53T	LEABURG	0	0	9,860	9,860	6,549
				WILLAMETTE	0	4,050	0	4,050	1,500
	CRABTREE LK	RAINBOW TROUT	72T	ROARING RIVER	600	0	0	600	8
	CRAIG LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	CRONEMILLER LK	RAINBOW TROUT	72T	ROARING RIVER	0	499	0	499	250
	DAN LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	DAVEY LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	DAVID LK	RAINBOW TROUT	127T	OAK SPRINGS	240	0	0	240	2
	DEER CAMP LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	DETROIT RES	KOKANEE	67H	MARION FORKS	60,403	0	0	60,403	2,205
		RAINBOW TROUT	53T	LEABURG	0	0	45,063	45,063	30,673
				WILLAMETTE	249,581	0	6,650	256,231	15,477
	DEXTER RES	RAINBOW TROUT	53T	LEABURG	0	0	12,089	12,089	7,840
			72T	LEABURG	0	0	2,712	2,712	2,503
				ROARING RIVER	0	2,700	0	2,700	1,000
	DIXIE LK, N	RAINBOW TROUT	127T	WIZARD FALLS	225	0	0	225	2
	DONNA LK	BROOK TROUT	74T	OAK SPRINGS	120	0	0	120	1
	DORENA RES	RAINBOW TROUT	53T	LEABURG	0	0	11,868	11,868	7,560
			72T	LEABURG	0	0	2,217	2,217	2,275
				WILLAMETTE	0	5,000	0	5,000	2,000
	DORMAN PD	RAINBOW TROUT	72T	ALSEA	0	3,330	0	3,330	1,515
					ROARING RIVER	0	0	650	650
	DUFFY LK	BROOK TROUT	74T	WIZARD FALLS	1,200	0	0	1,200	8
				RAINBOW TROUT	127T	WIZARD FALLS	3,000	0	0
	EASTERN BROOK LK	BROOK TROUT	74T	FALL RIVER	225	0	0	225	2
				RAINBOW TROUT	127T	FALL RIVER	375	0	0
	EDNA LK	RAINBOW TROUT	127T	FALL RIVER	300	0	0	300	2
	EE WILSON PD	RAINBOW TROUT	103T	WILLAMETTE	0	0	1,845	1,845	1,025
			72H	ROARING RIVER	0	0	363	363	1,450
			72T	ROARING RIVER	0	5,506	0	5,506	2,650
				WILLAMETTE	0	10,755	0	10,755	4,200
	EILEEN LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
	ELBOW LK	BROOK TROUT	74T	FALL RIVER	225	0	0	225	2
				RAINBOW TROUT	127T	FALL RIVER	375	0	0
	ELF LK	RAINBOW TROUT	127T	STEP BIO 9	263	0	0	263	2
	EMMA LK	RAINBOW TROUT	127T	FALL RIVER	300	0	0	300	2
	ERNIE LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	FALL CR (WILLAMETTE R)	RAINBOW TROUT	72T	WILLAMETTE	0	7,472	0	7,472	3,000
	FALL CR RES	RAINBOW TROUT	72T	WILLAMETTE	0	7,350	0	7,350	3,000
	FAY LK	BROOK TROUT	74T	MARION FORKS	200	0	0	200	1
				RAINBOW TROUT	127T	MARION FORKS	300	0	0

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	FIG LK	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3
	FIR LK	BROOK TROUT	74T	MARION FORKS	300	0	0	300	1
				MARION FORKS	300	0	0	300	1
	FOSTER RES	RAINBOW TROUT	103T	WILLAMETTE	0	0	2,700	2,700	1,500
			72T	ROARING RIVER	0	14,225	0	14,225	6,950
				SOUTH SANTIAM	0	8,409	3,705	12,114	5,800
	GLAZE LK	RAINBOW TROUT	127T	WIZARD FALLS	263	0	0	263	2
	GRACE LK	RAINBOW TROUT	127T	FALL RIVER	450	0	0	450	3
	GREEN PEAK LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	GREEN PETER RES	RAINBOW TROUT	72T	ROARING RIVER	0	13,817	0	13,817	6,625
				SOUTH SANTIAM	0	8,834	2,660	11,494	5,325
	GRENET LK	RAINBOW TROUT	127T	WIZARD FALLS	375	0	0	375	3
	HAPPY LK	RAINBOW TROUT	127T	STEP BIO 9	600	0	0	600	4
	HARVEY LK	RAINBOW TROUT	127T	FALL RIVER	1,200	0	0	1,200	8
	HELEN LK	RAINBOW TROUT	127T	STEP BIO 9	600	0	0	600	4
	HENRY HAGG LK	RAINBOW TROUT	53H	OAK SPRINGS	0	0	4,130	4,130	6,728
			53T	OAK SPRINGS	9,425	0	1,559	10,984	2,449
				LEABURG	0	8,477	3,000	11,477	5,050
			72H	ROARING RIVER					
			72T	ALSEA	0	16,014	0	16,014	7,074
				ROARING RIVER	12,027	1,093	1,017	14,137	3,045
				LEABURG	0	17,438	6,750	24,188	16,370
		WILLAMETTE	0	2,200	0	2,200	1,000		
	HILLS CR	RAINBOW TROUT	72T	LEABURG	0	0	1,416	1,416	1,200
	HILLS CR RES	RAINBOW TROUT	72T	LEABURG	0	0	1,434	1,434	1,215
				WILLAMETTE	20,000	18,692	0	38,692	7,813
	HONEY LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
	HORSEFLY LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
	HORSESHOE LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	HUDDLESTON PD (FMR HAMPTON PD)	RAINBOW TROUT	53T	LEABURG	0	0	999	999	564
			72H	ROARING RIVER	0	0	448	448	4,105
			72T	ALSEA	0	4,831	1,156	5,987	3,007
				LEABURG	0	1,519	0	1,519	620
				ROARING RIVER	0	0	1,021	1,021	1,230
	INDIAN LK, S	RAINBOW TROUT	127T	OAK SPRINGS	300	0	0	300	2

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	INDIGO LK	RAINBOW TROUT	127T	FALL RIVER	1,200	0	0	1,200	8
	INGO LK	RAINBOW TROUT	127T	WIZARD FALLS	375	0	0	375	3
	IRISH CAMP LK	RAINBOW TROUT	127T	WIZARD FALLS	330	0	0	330	2
			133T	WIZARD FALLS	334	0	0	334	3
	ISLAND LK, LWR	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	J JAKE LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	JAN LK	BROOK TROUT	74T	WIZARD FALLS	225	0	0	225	2
	JENNY LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	JOANN LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	JOJO LK	RAINBOW TROUT	127T	MARION FORKS	500	0	0	500	2
	JORN LK	RAINBOW TROUT	127T	WIZARD FALLS	1,200	0	0	1,200	8
	JOYCE LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	JUNCTION CITY PD	RAINBOW TROUT	72H	ROARING RIVER	0	0	182	182	1,642
			72T	LEABURG	0	13,120	4,064	17,184	10,105
			72T	ROARING RIVER	0	8,325	196	8,521	4,205
	JUNCTION LK	RAINBOW TROUT	127T	FALL RIVER	1,200	0	0	1,200	8
	KIDNEY LK	RAINBOW TROUT	127T	WIZARD FALLS	600	0	0	600	4
	KIWA LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
		RAINBOW TROUT	127T	WIZARD FALLS	1,200	0	0	1,200	8
	KUITAN LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
		RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	LAKE ELEANOR	RAINBOW TROUT	72T	ROARING RIVER	1,500	0	0	1,500	19
	LAKE O WOODS	RAINBOW TROUT	127T	WIZARD FALLS	375	0	0	375	3
	LARD LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
	LAST LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	LEABURG LK	RAINBOW TROUT	72T	LEABURG	0	6,964	12,315	19,279	11,129
	LEMAY LK	RAINBOW TROUT	127T	STEP BIO 9	450	0	0	450	3
	LORIN LK	BROOK TROUT	74T	STEP BIO 9	600	0	0	600	4
	LUCAS LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	LULA LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	MAC LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8
	MARIE LK-1	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	MARION LK	RAINBOW TROUT	127T	MARION FORKS	10,000	0	0	10,000	33
	MARTY LK	BROOK TROUT	74T	STEP BIO 9	450	0	0	450	3
	MAXWELL LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	MCFARLAND LK	RAINBOW TROUT	127T	FALL RIVER	2,400	0	0	2,400	16
	MCFARLAND LK, E	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	MCKENZIE R-1	RAINBOW TROUT	72T	LEABURG	0	18,342	12,506	30,848	16,541
	MCKENZIE R-2	RAINBOW TROUT	72T	LEABURG	0	18,161	31,750	49,911	29,629
	MELAKWA LK	RAINBOW TROUT	127T	WIZARD FALLS	1,050	0	0	1,050	7
			133T	WIZARD FALLS	1,052	0	0	1,052	8
	MELIS LK	RAINBOW TROUT	127T	WIZARD FALLS	375	0	0	375	3
	MERRILL LK	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3
	MICKEY LK	RAINBOW TROUT	127T	FALL RIVER	450	0	0	450	3
	MIDNIGHT LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	MILDRED LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	MILE LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
			127T	FALL RIVER	300	0	0	300	2
	MINK LK	BROOK TROUT	74T	FALL RIVER	4,200	0	0	4,200	28
			127T	FALL RIVER	4,800	0	0	4,800	32
	MIRIAM LK	RAINBOW TROUT	127T	FALL RIVER	450	0	0	450	3
	MOODY LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	MOOLACK LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	MOWICH LK	BROOK TROUT	74T	WIZARD FALLS	1,800	0	0	1,800	12
			127T	WIZARD FALLS	4,800	0	0	4,800	32
	NEKBOBETS LK	BROOK TROUT	74T	OAK SPRINGS	240	0	0	240	2
	NORNIE LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	NOTCH LK	RAINBOW TROUT	127T	STEP BIO 9	600	0	0	600	4
	OPAL LK	RAINBOW TROUT	127T	STEP BIO 9	1,200	0	0	1,200	8
	OTTER LK	RAINBOW TROUT	127T	STEP BIO 9	1,200	0	0	1,200	8
	PADDOCK LK	RAINBOW TROUT	127T	FALL RIVER	450	0	0	450	3
	PATJENS LK, MID	BROOK TROUT	74T	MARION FORKS	300	0	0	300	1
	PATJENS LK, UPR	RAINBOW TROUT	127T	MARION FORKS	200	0	0	200	1
	PHOTO LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	PIKA LK	RAINBOW TROUT	127T	MARION FORKS	300	0	0	300	1
	PINERIDGE LK	RAINBOW TROUT	127T	MARION FORKS	500	0	0	500	2
	PINET LK	BROOK TROUT	74T	WIZARD FALLS	225	0	0	225	2
	PRILL LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	PRINCE LK	BROOK TROUT	74T	WIZARD FALLS	450	0	0	450	3
	PROGRESS LK	RAINBOW TROUT	72T	WILLAMETTE	0	3,980	0	3,980	1,600

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	PYRAMID LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	QUARTZVILLE CR	RAINBOW TROUT	72T	ROARING RIVER	0	0	1,399	1,399	760
SOUTH SANTIAM				0	13,518	4,180	17,698	8,699	
WILLAMETTE				0	0	1,980	1,980	1,100	
	QUESTION MARK LK	BROOK TROUT	74T	FALL RIVER	225	0	0	225	2
		RAINBOW TROUT	127T	FALL RIVER	375	0	0	375	3
	QUINN LK, LWR	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	QUINN LK, UPR	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3
		RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	R O K LK	RAINBOW TROUT	127T	FALL RIVER	300	0	0	300	2
	RALPHS LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	RED BUTTE LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
	RED LK	BROOK TROUT	74T	OAK SPRINGS	420	0	0	420	3
	RIGDON LK, LWR	RAINBOW TROUT	127T	FALL RIVER	1,800	0	0	1,800	12
	RIGDON LK, UPR	BROOK TROUT	74T	FALL RIVER	1,800	0	0	1,800	12
	RIMROCK LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	ROARING RVR PARK PD	RAINBOW TROUT	72T	ROARING RIVER	0	122	0	122	61
	ROBINSON LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
	ROCKPILE LK	RAINBOW TROUT	127T	FALL RIVER	450	0	0	450	3
	ROUND LK	RAINBOW TROUT	127T	FALL RIVER	1,800	0	0	1,800	12
	ROW R NATURE PK-Fmr Cott. Grv. Pd	RAINBOW TROUT	133T	LEABURG	0	0	200	200	417
			72H	ROARING RIVER	0	0	500	500	3,201
			72T	LEABURG	0	0	994	994	1,227
				ROARING RIVER	0	4,923	0	4,923	2,390
				WILLAMETTE	0	4,468	0	4,468	1,943
	RUSSELL LK	RAINBOW TROUT	127T	WIZARD FALLS	450	0	0	450	3
	RUTH LK-1	BROOK TROUT	74T	FALL RIVER	375	0	0	375	3
	RUTH LK-2	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
	SAD LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	SALMON CR	RAINBOW TROUT	72T	WILLAMETTE	0	6,709	600	7,309	3,018
	SALMON LK, LWR	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	SANTIAM LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
		RAINBOW TROUT	127T	WIZARD FALLS	1,200	0	0	1,200	8
	SANTIAM R, N FK-2	RAINBOW TROUT	72T	ROARING RIVER	0	0	2,210	2,210	1,300
				SOUTH SANTIAM	0	15,220	0	15,220	7,500

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
				WILLAMETTE	0	0	5,610	5,610	3,300
	SAPPHIRE LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	SCOTT LK, LWR	RAINBOW TROUT	127T	WIZARD FALLS	915	0	0	915	6
			133T	WIZARD FALLS	769	0	0	769	6
	SCOTT LK, UPR	RAINBOW TROUT	127T	WIZARD FALLS	900	0	0	900	6
			133T	WIZARD FALLS	756	0	0	756	6
	SCOUT LK	BROOK TROUT	74T	WIZARD FALLS	450	0	0	450	3
	SHADOW LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	SHEEP LK	BROOK TROUT	74T	WIZARD FALLS	225	0	0	225	2
	SHERIDAN PD	RAINBOW TROUT	72H	ROARING RIVER	0	0	329	329	2,069
			72T	ALSEA	0	3,552	1,665	5,217	3,233
				LEABURG	0	0	990	990	1,100
				ROARING RIVER	0	1,963	1,734	3,697	3,195
			72T	WILLAMETTE	0	374	0	374	170
	SILVER CR RES	RAINBOW TROUT	72H	ROARING RIVER	0	0	302	302	2,725
			72T	ALSEA	0	4,676	0	4,676	2,175
				ROARING RIVER	0	5,283	4,629	9,912	7,405
	SLIDEOUT LK	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	SMITH LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	SPY LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
	SQUARE LK	RAINBOW TROUT	127T	WIZARD FALLS	450	0	0	450	3
	ST LOUIS PD	RAINBOW TROUT	103T	WILLAMETTE	0	0	2,700	2,700	1,500
			72H	ROARING RIVER	0	0	506	506	3,517
			72T	ALSEA	0	0	415	415	415
				LEABURG	0	3,360	1,350	4,710	2,930
				ROARING RIVER	0	1,020	1,999	3,019	2,615
			72T	WILLAMETTE	0	1,438	0	1,438	625
	SUNNYSIDE PARK PD	RAINBOW TROUT	72T	ROARING RIVER	0	11,378	344	11,722	5,981
	SUNSET LK-1	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
		RAINBOW TROUT	127T	FALL RIVER	300	0	0	300	2
	SWALLOW LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	Tadmor Lk	RAINBOW TROUT	72T	ROARING RIVER	0	500	0	500	250
	TEMPLE LK	RAINBOW TROUT	127T	WIZARD FALLS	450	0	0	450	3
	TENAS LK, MID	BROOK TROUT	74T	WIZARD FALLS	300	0	0	300	2
	TENAS LK, UPR	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
TIMBER LINN LK	RAINBOW TROUT	103T	LEABURG	0	0	1,043	1,043	899	
		72T	LEABURG	0	5,949	3,088	9,037	6,134	
			ROARING RIVER	0	3,759	40	3,799	1,920	
			WILLAMETTE	0	4,940	0	4,940	2,050	
TORREY LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8	
	RAINBOW TROUT	127T	FALL RIVER	4,800	0	0	4,800	32	
TULE LK	RAINBOW TROUT	127T	MARION FORKS	500	0	0	500	2	
TURNER LK	RAINBOW TROUT	72T	LEABURG	0	0	2,593	2,593	3,049	
			ROARING RIVER	0	2,000	0	2,000	926	
TURPENTINE LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4	
	RAINBOW TROUT	127T	WIZARD FALLS	600	0	0	600	4	
VERA LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2	
VIVIAN LK	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3	
	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4	
WAHANNA LK	RAINBOW TROUT	127T	FALL RIVER	1,500	0	0	1,500	10	
		133T	FALL RIVER	1,500	0	0	1,500	10	
WALL LK	BROOK TROUT	74T	OAK SPRINGS	360	0	0	360	2	
	RAINBOW TROUT	127T	OAK SPRINGS	270	0	0	270	2	
WALLING PD	RAINBOW TROUT	72H	ROARING RIVER	0	0	200	200	800	
			LEABURG	0	8,587	772	9,359	4,155	
		72T	ROARING RIVER	0	4,571	0	4,571	2,133	
			WILLAMETTE	0	2,300	0	2,300	1,000	
WALTER WIRTH LK	RAINBOW TROUT	72H	ROARING RIVER	0	0	150	150	1,250	
			LEABURG	0	11,182	6,798	17,980	11,837	
		72T	ROARING RIVER	0	7,421	0	7,421	3,507	
			WILLAMETTE	0	2,300	0	2,300	1,000	
WAVERLY LK	RAINBOW TROUT	72H	ROARING RIVER	0	0	797	797	4,689	
			LEABURG	0	2,003	1,808	3,811	2,330	
		72T	ROARING RIVER	0	5,527	79	5,606	2,824	
			WILLAMETTE	0	2,357	0	2,357	1,025	
WEBB LK	BROOK TROUT	74T	FALL RIVER	225	0	0	225	2	
	RAINBOW TROUT	127T	FALL RIVER	375	0	0	375	3	
WHIG LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8	
WHISKEY LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4	
WIDGEON LK	BROOK TROUT	74T	MARION FORKS	300	0	0	300	1	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	WILLAMETTE R, CST FK	RAINBOW TROUT	72T	WILLAMETTE	0	3,811	666	4,477	1,850
	WILLIAMS LK	RAINBOW TROUT	127T	FALL RIVER	450	0	0	450	3
	ZIRCON LK	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3
	Willamette Watershed Total				502,385	431,642	284,488	1,218,515	452,356
3 - CLACKAMAS / SANDY	BENSON LK	RAINBOW TROUT	72T	ROARING RIVER	0	4,684	875	5,559	3,446
			WILLAMETTE	0	2,668	0	2,668	1,026	
	BIG SLIDE LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	BIG SLIDE LK, UPR	BROOK TROUT	74T	OAK SPRINGS	150	0	0	150	1
	BLUE LK	RAINBOW TROUT	72H	ROARING RIVER	0	0	275	275	2,500
			72T	ALSEA	0	4,000	0	4,000	1,600
				ROARING RIVER	0	2,491	1,375	3,866	3,033
				WILLAMETTE	0	998	0	998	384
	BURNT LK	RAINBOW TROUT	127T	OAK SPRINGS	450	0	0	450	3
	CAST LK	RAINBOW TROUT	127T	OAK SPRINGS	450	0	0	450	3
	COTTONWOOD LK	RAINBOW TROUT	127T	OAK SPRINGS	540	0	0	540	4
	DOUBLE PEAKS LK	RAINBOW TROUT	127T	OAK SPRINGS	150	0	0	150	1
	EL LK	RAINBOW TROUT	127T	OAK SPRINGS	90	0	0	90	1
	ERCRAMA LK	RAINBOW TROUT	127T	OAK SPRINGS	150	0	0	150	1
	ESTACADA LK	RAINBOW TROUT	72T	WILLAMETTE	0	7,368	5,211	12,579	6,225
	FIRST LK	RAINBOW TROUT	127T	OAK SPRINGS	330	0	0	330	2
	FRAZIER LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	GIFFORD LK	RAINBOW TROUT	127T	OAK SPRINGS	600	0	0	600	4
	GIFFORD LK, LWR	RAINBOW TROUT	127T	OAK SPRINGS	120	0	0	120	1
	HALDEMAN PD	RAINBOW TROUT	72T	ALSEA	0	3,663	0	3,663	1,704
	HARRIET LK	RAINBOW TROUT	53H	OAK SPRINGS	0	0	670	670	1,175
			53T	OAK SPRINGS	0	0	1,995	1,995	1,050
				ROARING RIVER	0	8,457	11,125	19,582	15,321
	HARTMAN PD (WAHKEENA LK)	RAINBOW TROUT	72T	ROARING RIVER	0	0	3,673	3,673	2,336
	HEAD LK	RAINBOW TROUT	127T	OAK SPRINGS	420	0	0	420	3
	HIDEAWAY LK	RAINBOW TROUT	127T	OAK SPRINGS	600	0	0	600	4
	JENI LK	BROOK TROUT	74T	OAK SPRINGS	150	0	0	150	1
LOWER LK	RAINBOW TROUT	127T	OAK SPRINGS	600	0	0	600	4	
MIRROR LK	RAINBOW TROUT	127T	OAK SPRINGS	675	0	0	675	5	
MT HOOD PD (MHCC CAMPUS)	RAINBOW TROUT	133H	OAK SPRINGS	0	0	187	187	334	
		72T	ALSEA	0	670	0	670	235	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
				ROARING RIVER	0	2,056	0	2,056	964
	NORTH FORK RES	RAINBOW TROUT	103T	WILLAMETTE	0	0	2,250	2,250	1,250
			72T	WILLAMETTE	0	30,564	10,450	41,014	18,933
	PLAZA LK	RAINBOW TROUT	127T	OAK SPRINGS	300	0	0	300	2
	PYRAMID LK	RAINBOW TROUT	127T	OAK SPRINGS	375	0	0	375	3
	ROCK LK, LWR	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	ROCK LK, MID	RAINBOW TROUT	127T	OAK SPRINGS	600	0	0	600	4
	ROCK LK, UPR	RAINBOW TROUT	127T	OAK SPRINGS	150	0	0	150	1
	SALISH PD, W	RAINBOW TROUT	53H	OAK SPRINGS	0	0	473	473	946
			53T	OAK SPRINGS	0	0	2,005	2,005	1,055
			72T	ROARING RIVER	0	2,050	1,645	3,695	3,020
	SALMONBERRY LK	RAINBOW TROUT	72T	ALSEA	0	2,000	0	2,000	769
	SERENE LK	BROOK TROUT	74T	OAK SPRINGS	600	0	0	600	4
	SHELLROCK LK	BROOK TROUT	74T	OAK SPRINGS	450	0	0	450	3
			RAINBOW TROUT	127T	OAK SPRINGS	450	0	0	450
	SHINING LK	RAINBOW TROUT	127T	OAK SPRINGS	600	0	0	600	4
	SILVER KING LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	SKOOKUM LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	SMALL FRY LK	RAINBOW TROUT	72T	WILLAMETTE	0	750	0	750	300
	SURPRISE LK-2	RAINBOW TROUT	127T	OAK SPRINGS	450	0	0	450	3
	SUZI LK	RAINBOW TROUT	127T	OAK SPRINGS	150	0	0	150	1
	TIMBER LK	BROOK TROUT	74T	OAK SPRINGS	1,500	0	0	1,500	10
	TIMOTHY LK	RAINBOW TROUT	103T	WILLAMETTE	0	0	2,700	2,700	1,500
			53T	OAK SPRINGS	0	6,695	10,549	17,244	10,607
			72T	ROARING RIVER	0	0	5,740	5,740	8,000
	TRILLIUM LK	RAINBOW TROUT	133H	OAK SPRINGS	0	0	171	171	855
			53H	OAK SPRINGS	0	0	850	850	2,025
			53T	OAK SPRINGS	2,473	0	12,756	15,229	7,249
			72T	ALSEA	0	3,996	0	3,996	1,998
				ROARING RIVER	0	0	1,535	1,535	2,291
	WELCOME LK	BROOK TROUT	74T	OAK SPRINGS	450	0	0	450	3
	WIND LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	Clackamas / Sandy Watershed Total				15,823	83,110	76,510	175,443	102,219
4 - HOOD	BEAR LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	BIKINI PD	RAINBOW TROUT	133H	OAK SPRINGS	0	0	498	498	716

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
			133T	OAK SPRINGS	0	0	528	528	330
			53T	OAK SPRINGS	0	424	2,195	2,619	2,047
	BLACK LK	BROOK TROUT	74T	OAK SPRINGS	500	0	0	500	3
	DUBLIN LK	BROOK TROUT	74T	OAK SPRINGS	250	0	0	250	2
	HANEL PD (CAMP BALDWIN PD)	RAINBOW TROUT	133H	OAK SPRINGS	0	50	0	50	25
			53T	OAK SPRINGS	0	0	1,200	1,200	750
	KINGSLEY RES, UPR	RAINBOW TROUT	53T	OAK SPRINGS	0	4,400	7,092	11,492	6,633
	LAURANCE LK	RAINBOW TROUT	53T	OAK SPRINGS	0	0	4,627	4,627	4,975
	LOST LK	RAINBOW TROUT	53H	OAK SPRINGS	0	0	1,809	1,809	1,969
			53T	OAK SPRINGS	0	2,847	16,789	19,636	10,973
	MIDDLE FK PD (HOOD R)	RAINBOW TROUT	53T	OAK SPRINGS	0	0	1,088	1,088	680
	NORTH LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	RAINEY LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	SCOUT LK	BROOK TROUT	74T	OAK SPRINGS	250	0	0	250	2
	TAYLOR LK	RAINBOW TROUT	133H	OAK SPRINGS	0	2,408	202	2,610	1,927
			53H	OAK SPRINGS	0	0	405	405	950
			53T	OAK SPRINGS	0	4,423	2,825	7,248	4,216
	WAHTUM LK	BROOK TROUT	74T	OAK SPRINGS	2,500	0	0	2,500	17
	WARREN LK	BROOK TROUT	74T	OAK SPRINGS	300	0	0	300	2
	Hood Watershed Total				4,700	14,552	39,258	58,510	36,223
5 - DESCHUTES	ANTELOPE FLAT RES	RAINBOW TROUT	127H	WIZARD FALLS	0	0	200	200	400
			127T	WIZARD FALLS	0	1,008	0	1,008	360
	ARROWHEAD LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
	BAKER PD	RAINBOW TROUT	133H	OAK SPRINGS	0	703	15	718	403
	BELL LK	RAINBOW TROUT	127T	FALL RIVER	300	0	0	300	2
	BLOW LK	BROOK TROUT	74T	FALL RIVER	2,418	0	0	2,418	17
	BOBBY LK	RAINBOW TROUT	127T	FALL RIVER	2,400	0	0	2,400	16
	BONNIE'S LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	BOOTH LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
	BRAHMA LK	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	CABOT LK	RAINBOW TROUT	127T	WIZARD FALLS	600	0	0	600	4
	CARL LK	RAINBOW TROUT	127T	WIZARD FALLS	1,200	0	0	1,200	8
	CENTURY GRAVEL PD	RAINBOW TROUT	72T	FALL RIVER	0	1,253	0	1,253	499
	CHARLTON LK	RAINBOW TROUT	127T	WIZARD FALLS	2,960	0	0	2,960	239
	CLEAR LK	RAINBOW TROUT	133T	OAK SPRINGS	0	0	7,722	7,722	4,290

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
			53H	OAK SPRINGS	0	0	1,002	1,002	1,047
			53T	OAK SPRINGS	0	3,400	3,300	6,700	3,500
	CRANE PRAIRIE RES	RAINBOW TROUT	127T	WIZARD FALLS	92,710	0	0	92,710	6,350
	CRESCENT LK	KOKANEE	67H	WIZARD FALLS	53,216	0	0	53,216	1,668
		RAINBOW TROUT	127T	WIZARD FALLS	19,854	0	0	19,854	1,532
	CROOKED R, S FK	RAINBOW TROUT	127F	WIZARD FALLS	1,800	0	0	1,800	300
			127H	WIZARD FALLS	3,312	0	0	3,312	285
	CULTUS LK, B	RAINBOW TROUT	127T	WIZARD FALLS	13,475	0	0	13,475	998
			72T	FALL RIVER	0	4,849	0	4,849	1,980
	DARLENE LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	DEER LK	RAINBOW TROUT	127T	FALL RIVER	0	759	0	759	300
	DENNIS LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8
	DEVILS LK	RAINBOW TROUT	72T	FALL RIVER	0	4,232	0	4,232	1,700
	DOLLARNINE LK	RAINBOW TROUT	127T	WIZARD FALLS	200	0	0	200	15
	DORIS LK	BROOK TROUT	74T	FALL RIVER	3,202	0	0	3,202	22
	EAST LK	BROWN TROUT	71T	KLAMATH	5,037	0	0	5,037	690
		KOKANEE	67H	WIZARD FALLS	2,377	0	0	2,377	100
		RAINBOW TROUT	127T	FALL RIVER	0	5,050	0	5,050	2,000
	EFFIE LK	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3
	ELF LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
	FALL R	RAINBOW TROUT	127T	FALL RIVER	0	0	6,322	6,322	6,210
			72T	FALL RIVER	0	0	760	760	2,375
	FARRELL LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
	FAWN LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8
	FFD CONTAINMNT PD	RAINBOW TROUT	127F	WIZARD FALLS	83	0	0	83	14
	FOUND LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	FROG LK	RAINBOW TROUT	53H	OAK SPRINGS	0	0	913	913	1,014
			53T	OAK SPRINGS	0	3,000	6,611	9,611	4,895
	GRAY JAY LK	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3
	HAND LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	23
	HANKS LK, E	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	HANKS LK, MID	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	HANKS LK, W	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	HARLEQUINN LK	RAINBOW TROUT	127T	FALL RIVER	450	0	0	450	3
	HAYSTACK RES	KOKANEE	67H	WIZARD FALLS	106,592	0	0	106,592	916

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
		RAINBOW TROUT	127H	WIZARD FALLS	18,623	0	205	18,828	1,656
	53H		OAK SPRINGS	0	0	407	407	2,713	
	53T		OAK SPRINGS	0	0	998	998	525	
	HIDDEN LK	BROOK TROUT	74T	FALL RIVER	1,800	0	0	1,800	12
		RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4
	HOSMER LK	RAINBOW TROUT	127T	FALL RIVER	0	762	0	762	300
	IRISH LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8
	ISLAND LK	RAINBOW TROUT	127T	WIZARD FALLS	200	0	0	200	15
	JOHNNY LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8
	JUNCO LK	BROOK TROUT	74T	FALL RIVER	150	0	0	150	1
	KERSHAW LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2
	KINNIKINNICK LK	BROOK TROUT	74T	FALL RIVER	150	0	0	150	1
	KOKO LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	LAVA LK, B	RAINBOW TROUT	127T	FALL RIVER	0	7,711	1,040	8,751	4,160
	LAVA LK, L	RAINBOW TROUT	127T	FALL RIVER	0	2,555	0	2,555	1,000
	LEMISH LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	LIL'S LK	RAINBOW TROUT	127T	FALL RIVER	300	0	0	300	2
	LILY LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	LINDICK LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	LINK LK	RAINBOW TROUT	127T	WIZARD FALLS	225	0	0	225	17
	LONG LK	BROOK TROUT	74T	WIZARD FALLS	1,200	0	0	1,200	8
	LUCKY LK	BROOK TROUT	74T	FALL RIVER	2,535	0	0	2,535	17
	MARTIN LK	RAINBOW TROUT	127T	WIZARD FALLS	450	0	0	450	3
	MATTHIEU LK, N	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4
	MEADOW LK	RAINBOW TROUT	127T	WIZARD FALLS	400	0	0	400	30
	MEEK LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8
	MERLE LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4
	METOLIUS PD	RAINBOW TROUT	127H	WIZARD FALLS	0	0	46	46	289
			127T	WIZARD FALLS	0	2,673	0	2,673	1,180
	OCHOCO RES	RAINBOW TROUT	53H	OAK SPRINGS	63,720	0	1,453	65,173	4,308
			53T	OAK SPRINGS	154,546	0	0	154,546	2,155
	OLALLIE LK	RAINBOW TROUT	72T	ROARING RIVER	0	0	10,911	10,911	8,071
	OLDENBURG LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8
	PATSY LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2
	PAULINA LK	BROWN TROUT	71T	KLAMATH	5,037	0	0	5,037	690

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED	
		KOKANEE	67H	WIZARD FALLS	6,424	0	0	6,424	270	
		RAINBOW TROUT	127T	FALL RIVER	0	4,999	0	4,999	1,980	
	PINE HOLLOW RES	RAINBOW TROUT	133H	OAK SPRINGS	0	8,625	401	9,026	5,744	
				53H	OAK SPRINGS	0	0	942	942	4,530
				53T	OAK SPRINGS	9,575	9,907	2,664	22,146	7,224
	PINE NURSERY PD	RAINBOW TROUT	127H	WIZARD FALLS	0	800	95	895	600	
				127T	FALL RIVER	0	419	0	419	180
	PRINEVILLE FISHING PD	RAINBOW TROUT	127H	WIZARD FALLS	0	360	0	360	150	
				127T	WIZARD FALLS	0	301	0	301	104
				53T	OAK SPRINGS	0	321	499	820	382
	PRINEVILLE RES	RAINBOW TROUT	127T	WIZARD FALLS	80,134	0	0	80,134	4,690	
				53H	OAK SPRINGS	154,160	0	0	154,160	5,999
				72T	WIZARD FALLS	45,820	0	0	45,820	115
	RAFT LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4	
	REDMOND FIREMAN'S PD	RAINBOW TROUT	127T	WIZARD FALLS	0	200	0	200	78	
	ROCK CREEK RES	RAINBOW TROUT	133H	OAK SPRINGS	0	0	2,635	2,635	1,550	
				53H	OAK SPRINGS	0	0	1,608	1,608	1,432
				53T	OAK SPRINGS	0	6,203	3,105	9,308	4,750
	ROCK RIM LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2	
	ROSARY LK, MID	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4	
	ROUND LK	RAINBOW TROUT	127T	WIZARD FALLS	356	0	0	356	27	
	SHEVLIN PD	RAINBOW TROUT	127T	FALL RIVER	0	1,718	903	2,621	1,610	
				72T	FALL RIVER	0	5,116	0	5,116	2,030
	SHIRLEY LK	RAINBOW TROUT	127T	WIZARD FALLS	300	0	0	300	2	
	SMOCK PRAIRIE RES	RAINBOW TROUT	53T	OAK SPRINGS	2,003	697	540	3,240	890	
	SNELL LK	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3	
	SNOWSHOE LK, UPR	RAINBOW TROUT	127T	FALL RIVER	1,200	0	0	1,200	8	
	SOWBUG LK	BROOK TROUT	74T	FALL RIVER	300	0	0	300	2	
	SPRAGUE PIT PD	RAINBOW TROUT	72T	FALL RIVER	0	1,015	0	1,015	404	
	SQUARE LK	BROOK TROUT	74T	WIZARD FALLS	1,200	0	0	1,200	8	
	STAG LK	BROOK TROUT	74T	FALL RIVER	1,200	0	0	1,200	8	
	STRIDER LK	RAINBOW TROUT	127T	FALL RIVER	300	0	0	300	2	
	SUMMIT LK	RAINBOW TROUT	127T	WIZARD FALLS	13,065	0	0	13,065	1,005	
	SUZANNE LK	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4	
	TAYLOR LK	RAINBOW TROUT	127T	FALL RIVER	1,200	0	0	1,200	8	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED	
	TEDDY LK, N	RAINBOW TROUT	127T	FALL RIVER	1,200	0	0	1,200	8	
	THREE CREEKS LK	RAINBOW TROUT	127H	WIZARD FALLS	0	0	46	46	92	
			127T	WIZARD FALLS	0	0	3,052	3,052	1,649	
	TODD LK	RAINBOW TROUT	127T	WIZARD FALLS	1,493	0	0	1,493	118	
	TORSO LK	RAINBOW TROUT	127T	WIZARD FALLS	200	0	0	200	15	
	TWIN LK, N	RAINBOW TROUT	127H	WIZARD FALLS	0	0	200	200	385	
			127T	FALL RIVER	0	5,050	0	5,050	1,900	
			53H	OAK SPRINGS	0	0	500	500	962	
			72T	FALL RIVER	0	0	1,502	1,502	3,315	
	TWIN LK, S	RAINBOW TROUT	127H	WIZARD FALLS	0	0	200	200	385	
			127T	FALL RIVER	0	5,050	0	5,050	1,900	
			53H	OAK SPRINGS	0	0	500	500	962	
			72T	FALL RIVER	0	0	1,502	1,502	3,315	
	UPPER LK	BROOK TROUT	74T	OAK SPRINGS	1,200	0	0	1,200	8	
	VIEW LK	BROOK TROUT	74T	OAK SPRINGS	1,200	0	0	1,200	8	
	WALTON LK	RAINBOW TROUT	127H	WIZARD FALLS	0	0	125	125	231	
			53H	OAK SPRINGS	0	0	836	836	1,933	
			72T	FALL RIVER	0	8,550	0	8,550	3,450	
	WASCO LK	RAINBOW TROUT	127T	WIZARD FALLS	1,200	0	0	1,200	8	
	WINDIGO LK, W	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3	
	WINDY LK, E	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4	
	WINDY LK, N	BROOK TROUT	74T	FALL RIVER	450	0	0	450	3	
	WINDY LK, S	RAINBOW TROUT	127T	FALL RIVER	600	0	0	600	4	
	WINDY LK, W	BROOK TROUT	74T	FALL RIVER	600	0	0	600	4	
	YAPOAH LK	BROOK TROUT	74T	WIZARD FALLS	600	0	0	600	4	
	Deschutes Watershed Total					909,702	97,286	63,760	1,070,748	137,914
6 - JOHN DAY	ALDRICH PDS	RAINBOW TROUT	53T	IRRIGON	0	500	0	500	192	
	ANSON WRIGHT PD	RAINBOW TROUT	53T	IRRIGON	0	2,050	99	2,149	830	
	BRANDON'S PD	RAINBOW TROUT	53T	IRRIGON	0	1,000	0	1,000	385	
	BULL PRAIRIE RES	RAINBOW TROUT	53T	IRRIGON	0	2,240	200	2,440	1,000	
	HOG CR PD	RAINBOW TROUT	53T	IRRIGON	0	300	0	300	107	
	HOLLIDAY PARK PD	RAINBOW TROUT	53T	IRRIGON	0	2,078	100	2,178	855	
	JUMP OFF JOE LK	RAINBOW TROUT	53T	IRRIGON	609	0	0	609	7	
	LONG CREEK PD	RAINBOW TROUT	53T	IRRIGON	0	1,000	0	1,000	370	
	LOST LK	RAINBOW TROUT	53T	IRRIGON	0	1,000	0	1,000	357	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	MAGONE LK	RAINBOW TROUT	53T	IRRIGON	0	2,694	1,000	3,694	1,962
	MORROW CO PD #1 (Trout Lk)	RAINBOW TROUT	53T	IRRIGON	0	800	0	800	276
	MORROW CO PD #2 (Red Rock)	RAINBOW TROUT	53T	IRRIGON	0	700	0	700	241
	MORROW CO PD #3 (O'Brien)	RAINBOW TROUT	53T	IRRIGON	0	400	0	400	138
	MORROW CO PD #4 (Wilson)	RAINBOW TROUT	53T	IRRIGON	0	400	0	400	138
	OLIVE LK	RAINBOW TROUT	53T	IRRIGON	0	2,250	800	3,050	1,604
	PENLAND LK	RAINBOW TROUT	53T	IRRIGON	0	2,100	200	2,300	950
	ROWE CREEK RES	RAINBOW TROUT	53T	OAK SPRINGS	0	0	544	544	340
	SEVENTH ST PD	RAINBOW TROUT	53T	IRRIGON	0	2,000	100	2,100	855
	TROUT FARM PD	RAINBOW TROUT	53T	IRRIGON	0	1,000	0	1,000	385
	TWIN PDS	RAINBOW TROUT	53T	IRRIGON	0	1,000	100	1,100	485
	UMATILLA FOREST PDS, S	RAINBOW TROUT	53T	IRRIGON	0	3,000	0	3,000	1,113
	WILDCAT PD	RAINBOW TROUT	53T	IRRIGON	0	200	0	200	71
	John Day Watershed Total				609	26,712	3,143	30,464	12,661
7 - UMATILLA	CUTSFORTH PD	RAINBOW TROUT	53T	IRRIGON	0	1,880	199	2,079	910
	HAT ROCK PD	RAINBOW TROUT	53T	IRRIGON	0	3,629	199	3,828	1,620
	MCNARY CHANNEL PDS	RAINBOW TROUT	53T	IRRIGON	0	16,830	396	17,226	6,946
	TATONE PD	RAINBOW TROUT	53T	IRRIGON	0	1,079	0	1,079	445
	UMATILLA FOREST PDS, N	RAINBOW TROUT	53T	IRRIGON	0	1,789	0	1,789	688
	WALLA WALLA FOREST PDS N	RAINBOW TROUT	53T	IRRIGON	0	700	0	700	269
	WALLA WALLA FOREST PDS S	RAINBOW TROUT	53T	IRRIGON	0	1,100	0	1,100	423
	WESTON HIGHWAY PD	RAINBOW TROUT	53T	IRRIGON	0	1,000	200	1,200	533
	WILLOW CR	RAINBOW TROUT	53T	IRRIGON	0	1,080	0	1,080	400
	WILLOW CREEK RES	RAINBOW TROUT	53H	OAK SPRINGS	15,992	0	0	15,992	361
			53T	IRRIGON	6,716	1,300	245	8,261	2,101
			53T	OAK SPRINGS	0	0	759	759	843
	Umatilla Watershed Total				22,708	30,387	1,998	55,093	15,540
8 - GRANDE RONDE	CRATER LK	RAINBOW TROUT	127T	WALLOWA	3,025	0	0	3,025	28
	FFD CONTAINMNT PD	RAINBOW TROUT	53T	WALLOWA	0	150	50	200	127
	GRANDE RONDE LK	RAINBOW TROUT	53T	IRRIGON	0	3,000	0	3,000	1,034
	HAWK LK (aka Granite Lk)	RAINBOW TROUT	127T	WALLOWA	935	0	0	935	9
	HOBO LK	RAINBOW TROUT	127T	WALLOWA	1,540	0	0	1,540	14
	HONEYMOON PD	RAINBOW TROUT	53T	WALLOWA	0	1,004	250	1,254	653
	HUNTER PD	RAINBOW TROUT	53T	WALLOWA	0	200	99	299	217
	JUBILEE LK	RAINBOW TROUT	53T	IRRIGON	0	8,000	1,700	9,700	4,459

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	KINNEY LK	RAINBOW TROUT	127T	WALLOWA	2,090	0	0	2,090	27
			53T	WALLOWA	0	7,398	3,190	10,588	5,471
	LADD (PEACH) PD	RAINBOW TROUT	53T	IRRIGON	0	2,000	150	2,150	1,052
	LEGORE LK	RAINBOW TROUT	127T	WALLOWA	605	0	0	605	6
	LUGER PD	RAINBOW TROUT	53T	WALLOWA	0	450	100	550	332
	MARR PD	RAINBOW TROUT	53T	WALLOWA	0	2,308	952	3,260	1,867
	MCGRAW PD	RAINBOW TROUT	53T	WALLOWA	0	1,200	200	1,400	643
	MELLARD RES	RAINBOW TROUT	127T	WALLOWA	1,210	0	0	1,210	11
	MORGAN LK	RAINBOW TROUT	53H	OAK SPRINGS	29,016	0	0	29,016	655
			53T	IRRIGON	0	5,900	500	6,400	2,564
	NOREGAARD PD	RAINBOW TROUT	127T	WALLOWA	1,000	0	0	1,000	10
	PROSPECT LK	RAINBOW TROUT	127T	WALLOWA	2,420	0	0	2,420	22
	ROULET PD	RAINBOW TROUT	53T	WALLOWA	0	2,208	325	2,533	1,260
	SALT CR SUMMIT PD	RAINBOW TROUT	53T	WALLOWA	0	1,200	200	1,400	643
	SWAMP LK	RAINBOW TROUT	127T	WALLOWA	2,420	0	0	2,420	22
	TEEPEE PD	RAINBOW TROUT	53T	WALLOWA	0	1,004	250	1,254	653
	UMAPINE PD	RAINBOW TROUT	53T	WALLOWA	0	0	99	99	150
	UNIT LK	RAINBOW TROUT	127T	WALLOWA	1,210	0	0	1,210	11
	VICTOR PD	RAINBOW TROUT	53T	WALLOWA	0	1,004	100	1,104	540
	WALLOWA LK	RAINBOW TROUT	53T	WALLOWA	0	34,090	2,372	36,462	15,207
WALLOWA WDLIFE PD	RAINBOW TROUT	53T	WALLOWA	0	2,274	224	2,498	1,136	
Grande Ronde Watershed Total					45,471	73,390	10,761	129,622	38,820
9 - POWDER	ANTHONY LK	RAINBOW TROUT	53T	IRRIGON	0	0	4,850	4,850	5,000
	BALM CREEK RES	RAINBOW TROUT	53T	IRRIGON	17,950	1,000	0	18,950	1,037
	FISH LK	RAINBOW TROUT	53T	IRRIGON	0	2,760	500	3,260	1,676
	HAINES PD-1	RAINBOW TROUT	53T	IRRIGON	0	0	900	900	1,286
	HIGHWAY 203 PD	RAINBOW TROUT	53T	IRRIGON	0	0	900	900	900
				WALLOWA	0	4,500	1,650	6,150	3,632
	MURRAY RES	RAINBOW TROUT	53T	IRRIGON	0	2,000	900	2,900	2,286
	NORTH POWDER PD-1	RAINBOW TROUT	53T	IRRIGON	0	2,001	750	2,751	1,491
	PHILLIPS RES	RAINBOW TROUT	53T	IRRIGON	0	7,085	0	7,085	2,625
	PILCHER CREEK RES	RAINBOW TROUT	53H	OAK SPRINGS	14,000	0	0	14,000	273
	POWDER R-2	RAINBOW TROUT	53T	IRRIGON	0	4,000	0	4,000	1,368
	TAYLOR GREEN PD	RAINBOW TROUT	53T	WALLOWA	0	200	100	300	210
THIEF VALLEY RES	RAINBOW TROUT	53T	IRRIGON	0	10,000	500	10,500	4,204	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED	
	TIPTON PD, N	RAINBOW TROUT	53T	IRRIGON	0	500	0	500	179	
	TWIN LK	RAINBOW TROUT	53T	IRRIGON	0	0	200	200	211	
	UNITY RES	RAINBOW TROUT	53H	OAK SPRINGS	113,000	0	0	113,000	2,203	
			53T	IRRIGON	0	0	500	500	500	
	VAN PATTEN LK	RAINBOW TROUT	127T	WALLOWA	890	0	0	890	20	
	WOLF CREEK RES	RAINBOW TROUT	53H	OAK SPRINGS	16,000	0	0	16,000	312	
	Powder Watershed Total				161,840	34,046	11,750	207,636	29,412	
10 - MALHEUR	BECKER PD	RAINBOW TROUT	53T	OAK SPRINGS	0	0	1,501	1,501	790	
			72T	KLAMATH	0	3,000	0	3,000	1,200	
	BEULAH RES	RAINBOW TROUT	53T	WIZARD FALLS	27,300	0	0	27,300	379	
	COTTONWOOD RES, S	RAINBOW TROUT	53T	WIZARD FALLS	500	0	0	500	7	
	MALHEUR R	RAINBOW TROUT	53T	WIZARD FALLS	89,850	0	0	89,850	1,243	
			72T	WIZARD FALLS	500	0	0	500	2	
	MALHEUR RES	RAINBOW TROUT	53T	WIZARD FALLS	71,850	0	0	71,850	982	
			72T	FALL RIVER	0	2,520	0	2,520	900	
	MURPHY RES	RAINBOW TROUT	72T	WIZARD FALLS	2,500	0	0	2,500	11	
	POLE CREEK RES	CUTTHROAT	302H	WIZARD FALLS	20,094	0	0	20,094	149	
			RAINBOW TROUT	53T	WIZARD FALLS	14,850	0	0	14,850	203
				72T	KLAMATH	0	3,000	0	3,000	1,200
	SOUTH MOUNTAIN RES	RAINBOW TROUT	53T	WIZARD FALLS	500	0	0	500	7	
	SQUAW CR RES	RAINBOW TROUT	72T	WIZARD FALLS	750	0	0	750	3	
WARMSPRINGS RES	RAINBOW TROUT	53T	WIZARD FALLS	30,154	0	0	30,154	470		
	Malheur Watershed Total				258,848	8,520	1,501	268,869	7,546	
11 - OWYHEE	ANTELOPE RES	RAINBOW TROUT	53H	OAK SPRINGS	14,994	0	0	14,994	126	
	BONE CREEK RES	RAINBOW TROUT	72T	WIZARD FALLS	600	0	0	600	2	
	BREWSTER RES	RAINBOW TROUT	53T	WIZARD FALLS	125	0	0	125	2	
	CASTRO PIT	RAINBOW TROUT	53T	WIZARD FALLS	125	0	0	125	2	
	CAVIETTA RES	RAINBOW TROUT	72T	WIZARD FALLS	390	0	0	390	1	
	ECHAVE RES	RAINBOW TROUT	72T	WIZARD FALLS	300	0	0	300	1	
	GOODYEAR RES	RAINBOW TROUT	53T	WIZARD FALLS	200	0	0	200	3	
	GULCH PIT RES	RAINBOW TROUT	53T	WIZARD FALLS	100	0	0	100	2	
	JEFFS RES	RAINBOW TROUT	72T	WIZARD FALLS	375	0	0	375	1	
	LITTLE SNAKE RES	RAINBOW TROUT	72T	WIZARD FALLS	300	0	0	300	1	
	LITTLEFIELD RES	RAINBOW TROUT	72T	WIZARD FALLS	750	0	0	750	3	
	OWYHEE R	RAINBOW TROUT	53H	OAK SPRINGS	240,418	0	0	240,418	2,020	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
			53T	WIZARD FALLS	45,425	0	0	45,425	800
	PARSNIP RES	RAINBOW TROUT	53T	WIZARD FALLS	300	0	0	300	5
	RATTLESNAKE RES, UPR	RAINBOW TROUT	72T	WIZARD FALLS	600	0	0	600	2
	ROUND PEAK RES	RAINBOW TROUT	53T	WIZARD FALLS	400	0	0	400	6
	SCHNABLE CREEK RES	RAINBOW TROUT	53T	WIZARD FALLS	300	0	0	300	5
	SCHNABLE CREEK RES, UPPER	RAINBOW TROUT	53T	WIZARD FALLS	300	0	0	300	5
	SHEEP CREEK RES	RAINBOW TROUT	53T	WIZARD FALLS	3,000	0	0	3,000	48
	STERNS RES	RAINBOW TROUT	53T	WIZARD FALLS	125	0	0	125	2
	Owyhee Watershed Total				309,127	0	0	309,127	3,037
12 - MALHEUR LAKE	BIGFOOT RES	RAINBOW TROUT	72T	WIZARD FALLS	750	0	0	750	3
	BURNS GRAVEL PD	RAINBOW TROUT	53T	OAK SPRINGS	0	0	1,501	1,501	790
			72T	FALL RIVER	0	11,580	0	11,580	4,000
	CHICKAHOMINY RES	RAINBOW TROUT	127T	WIZARD FALLS	11,250	0	0	11,250	625
			53H	OAK SPRINGS	29,988	0	0	29,988	252
			53T	OAK SPRINGS	0	0	1,501	1,501	790
				WIZARD FALLS	28,733	0	0	28,733	390
			72T	FALL RIVER	0	3,010	0	3,010	1,000
				KLAMATH	0	6,000	0	6,000	2,400
	DEAD END RES	RAINBOW TROUT	72T	WIZARD FALLS	750	0	0	750	3
	DELINTMENT LK	RAINBOW TROUT	127T	WIZARD FALLS	0	4,990	0	4,990	1,996
			53T	WIZARD FALLS	3,995	0	0	3,995	63
	FISH LK	RAINBOW TROUT	72T	KLAMATH	0	2,000	500	2,500	2,000
	FRAZIER SEEDING RES	RAINBOW TROUT	72T	WIZARD FALLS	500	0	0	500	2
	GRANDDAD RES	RAINBOW TROUT	72T	WIZARD FALLS	250	0	0	250	1
	GREEN FLAT RES	RAINBOW TROUT	72T	WIZARD FALLS	1,000	0	0	1,000	4
	KRUMBO RES	RAINBOW TROUT	72T	KLAMATH	0	12,000	0	12,000	4,800
	MOON RES	RAINBOW TROUT	53T	WIZARD FALLS	14,963	0	0	14,963	236
	POISON CREEK RES.	RAINBOW TROUT	127T	WIZARD FALLS	0	700	0	700	280
			72T	WIZARD FALLS	1,000	0	0	1,000	4
	STATELINE RES	RAINBOW TROUT	72T	WIZARD FALLS	500	0	0	500	2
	WILLOW RES	RAINBOW TROUT	72T	WIZARD FALLS	750	0	0	750	3
	YELLOW JACKET LK	RAINBOW TROUT	127T	WIZARD FALLS	0	4,402	0	4,402	1,636
53T			WIZARD FALLS	12,490	0	0	12,490	197	
	Malheur Lake Watershed Total				106,919	44,682	3,502	155,103	21,478
ANA R	RAINBOW TROUT	53H	KLAMATH	10,010	0	0	10,010	143	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
13 - GOOSE SUMMER LAKE			72T	KLAMATH	0	0	450	450	400
	ANA RES	RAINBOW TROUT	72T	KLAMATH	0	5,000	2,204	7,204	5,720
	BIG ROCK RES	CUTTHROAT	302H	WIZARD FALLS	400	0	0	400	3
		RAINBOW TROUT	53H	KLAMATH	2,000	0	0	2,000	40
	BLUE LK	RAINBOW TROUT	72T	KLAMATH	3,870	0	0	3,870	30
	CAMPBELL LK	RAINBOW TROUT	53H	KLAMATH	2,000	0	0	2,000	40
			72T	KLAMATH	0	1,800	1,903	3,703	3,290
	COTTONWOOD MEADOWS LK	RAINBOW TROUT	53T	KLAMATH	10,000	0	0	10,000	200
	DEADHORSE LK	RAINBOW TROUT	53H	KLAMATH	2,000	0	0	2,000	40
			72T	KLAMATH	0	1,800	1,903	3,703	3,290
	DUNCAN RES	RAINBOW TROUT	53H	KLAMATH	9,300	0	0	9,300	150
			72T	KLAMATH	0	2,500	0	2,500	1,000
	LD BENNETT PD, LWR	RAINBOW TROUT	72T	KLAMATH	0	100	100	200	250
	LUCKY RES	RAINBOW TROUT	53H	KLAMATH	5,650	0	0	5,650	113
	MILL FLAT RES	RAINBOW TROUT	53T	KLAMATH	750	0	0	750	15
	MUD LAKE RES	RAINBOW TROUT	53H	KLAMATH	8,050	0	0	8,050	161
	OVERTON PD	RAINBOW TROUT	53T	KLAMATH	1,000	0	0	1,000	20
	PIUTE RES	CUTTHROAT	302H	WIZARD FALLS	8,087	0	0	8,087	60
		RAINBOW TROUT	53H	KLAMATH	8,100	0	0	8,100	162
	PRIDAY RES	RAINBOW TROUT	53T	KLAMATH	10,017	0	0	10,017	159
			72T	KLAMATH	0	0	403	403	690
	ROGGER PD	RAINBOW TROUT	53T	KLAMATH	500	0	0	500	10
	SHERLOCK GULCH RES	RAINBOW TROUT	53H	KLAMATH	1,600	0	0	1,600	32
	SID LUCE RES	RAINBOW TROUT	53T	KLAMATH	9,550	0	0	9,550	191
	SLIDE LK	RAINBOW TROUT	53H	KLAMATH	1,000	0	0	1,000	20
	SPAULDING RES	CUTTHROAT	302H	WIZARD FALLS	1,000	0	0	1,000	7
		RAINBOW TROUT	53H	KLAMATH	3,500	0	0	3,500	70
	SUMMIT PRAIRIE PD	RAINBOW TROUT	53T	KLAMATH	500	0	0	500	10
			72T	KLAMATH	0	0	60	60	120
	SUNSTONE RES	RAINBOW TROUT	53H	KLAMATH	1,250	0	0	1,250	25
	THOMPSON (VALLEY) RES	RAINBOW TROUT	53T	KLAMATH	10,010	0	0	10,010	143
			72T	KLAMATH	0	5,500	0	5,500	2,200
	TWIN SPRINGS PD	RAINBOW TROUT	72T	WIZARD FALLS	750	0	0	750	3
VEE LK	RAINBOW TROUT	53T	KLAMATH	2,400	0	0	2,400	48	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED	
			72T	KLAMATH	0	400	0	400	200	
	WARNER PD	CUTTHROAT	302H	WIZARD FALLS	200	0	0	200	1	
		RAINBOW TROUT	53H	KLAMATH	800	0	0	800	16	
	WITHERS LK	BROWN TROUT	71T	KLAMATH	511	0	0	511	70	
	Goose and Summer Lakes Watershed Total				114,805	17,100	7,023	138,928	19,143	
14 - KLAMATH	BADGER LK	RAINBOW TROUT	72T	KLAMATH	536	0	0	536	4	
	BERT LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3	
	CLOVER LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3	
	COMO LK	RAINBOW TROUT	72T	KLAMATH	1,072	0	0	1,072	8	
	DEE LK	RAINBOW TROUT	72T	KLAMATH	536	0	0	536	4	
	DEEP LK	RAINBOW TROUT	72T	KLAMATH	804	0	0	804	6	
	DEER LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3	
	DONNA LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3	
	ECHO LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3	
	ELIZABETH LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3	
	FISHER LK	RAINBOW TROUT	72T	KLAMATH	536	0	0	536	4	
	FOURMILE LK	BROOK TROUT	74T	KLAMATH	3,875	0	0	3,875	25	
		RAINBOW TROUT	72T	KLAMATH	0	5,500	4,475	9,975	10,288	
	FRANCIS LK	RAINBOW TROUT	72T	KLAMATH	536	0	0	536	4	
	HARRIETT LK	RAINBOW TROUT	72T	KLAMATH	1,608	0	0	1,608	12	
	HAWKS (HYDE) LK	RAINBOW TROUT	53H	OAK SPRINGS	22,887	0	0	22,887	254	
			72T	KLAMATH	0	750	0	750	300	
	HEART LK	RAINBOW TROUT	53H	KLAMATH	4,000	0	0	4,000	80	
			72T	KLAMATH	0	750	300	1,050	900	
	HEAVENLY TWIN LK, BIG	RAINBOW TROUT	72T	KLAMATH	804	0	0	804	6	
	HEAVENLY TWIN LK, LITTLE	RAINBOW TROUT	72T	KLAMATH	268	0	0	268	2	
	HOLBROOK RES	RAINBOW TROUT	53T	KLAMATH	9,960	0	0	9,960	166	
			72T	KLAMATH	0	4,500	1,450	5,950	4,700	
	ISHERWOOD LK	RAINBOW TROUT	72T	KLAMATH	1,072	0	0	1,072	8	
	ISLAND LK	RAINBOW TROUT	72T	KLAMATH	804	0	0	804	6	
	LAKE OF THE WOODS	RAINBOW TROUT	BROWN TROUT	71T	KLAMATH	10,950	0	0	10,950	1,500
			KOKANEE	67H	WIZARD FALLS	26,670	0	0	26,670	230
			RAINBOW TROUT	72T	KLAMATH	76,800	9,465	4,549	90,814	14,262
	LOFTON RES	RAINBOW TROUT	53H	KLAMATH	3,000	0	0	3,000	60	
			72T	KLAMATH	0	5,000	1,450	6,450	4,900	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	LONG LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3
	MARGUARETTE LK	RAINBOW TROUT	72T	KLAMATH	1,072	0	0	1,072	8
	MILLER LK	BROWN TROUT	71T	KLAMATH	6,935	0	0	6,935	950
		RAINBOW TROUT	72T	KLAMATH	0	8,000	900	8,900	5,800
	MYSTIC LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3
	O'DONAHUE LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3
	PARAGON LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3
	PUCK LK, N	RAINBOW TROUT	72T	KLAMATH	536	0	0	536	4
	PUCK LK, S	RAINBOW TROUT	72T	KLAMATH	536	0	0	536	4
	SNOW LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3
	SONYA LK	RAINBOW TROUT	72T	KLAMATH	804	0	0	804	6
	SOUTH PASS LK	RAINBOW TROUT	72T	KLAMATH	804	0	0	804	6
	SPRAGUE R, S FK	BROOK TROUT	129H	WIZARD FALLS	27,597	0	0	27,597	2,139
	SQUAW LK	RAINBOW TROUT	72T	KLAMATH	268	0	0	268	2
	TRAPPER LK	RAINBOW TROUT	72T	KLAMATH	536	0	0	536	4
	WESTON LKS	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3
	WIND LK	RAINBOW TROUT	72T	KLAMATH	402	0	0	402	3
	WIZARD LK	RAINBOW TROUT	72T	KLAMATH	804	0	0	804	6
	WOODPECKER LK	RAINBOW TROUT	72T	KLAMATH	268	0	0	268	2
	Klamath Watershed Total					212,104	33,965	13,124	259,193
15 - ROGUE	ALTA LK	BROOK TROUT	74T	KLAMATH	550	0	0	550	4
	APLEGATE RES	RAINBOW TROUT	72T	COLE RIVERS	0	24,980	504	25,484	8,019
				KLAMATH	0	0	1,000	1,000	2,000
	BEAL LK	BROOK TROUT	74T	KLAMATH	628	0	0	628	4
	BLUE CANYON LK	BROOK TROUT	74T	KLAMATH	628	0	0	628	4
	BURMA PD, L	RAINBOW TROUT	72T	COLE RIVERS	0	2,418	0	2,418	735
	CAREY LK	BROOK TROUT	74T	KLAMATH	628	0	0	628	4
	CLIFF LK	BROOK TROUT	74T	KLAMATH	628	0	0	628	4
	EMIGRANT RES	RAINBOW TROUT	72T	COLE RIVERS	1,080	2,007	0	3,087	841
	EXPO PD 1 (ROGUE)	RAINBOW TROUT	72T	COLE RIVERS	1,512	4,066	0	5,578	1,510
	FISH LK	RAINBOW TROUT	53T	COLE RIVERS	0	2,501	0	2,501	740
			72T	COLE RIVERS	0	16,736	1,411	18,147	6,516
		TIGER TROUT	74T	WIZARD FALLS	19,342	0	0	19,342	944
	GRASS LK	BROOK TROUT	74T	KLAMATH	707	0	0	707	5
HOLY WATER	RAINBOW TROUT	72T	COLE RIVERS	2,265	0	0	2,265	174	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	HORSESHOE LK	BROOK TROUT	74T	KLAMATH	2,277	0	0	2,277	15
	HOWARD PRAIRIE RES	RAINBOW TROUT	127T	COLE RIVERS	39,435	0	0	39,435	1,650
			53H	KLAMATH	43,575	0	0	43,575	4,150
			72T	COLE RIVERS	0	16,012	0	16,012	4,662
	HYATT RES	RAINBOW TROUT	127T	COLE RIVERS	24,836	0	0	24,836	1,039
			72T	COLE RIVERS	26,725	15,153	0	41,878	5,531
	IVERN LK	BROOK TROUT	74T	KLAMATH	864	0	0	864	6
	LIBBY PD	RAINBOW TROUT	53T	COLE RIVERS	0	5,002	0	5,002	1,480
			72T	ELK RIVER	0	1,563	452	2,015	1,494
	LOST CREEK RES	RAINBOW TROUT	53T	COLE RIVERS	0	12,012	0	12,012	3,859
			72T	COLE RIVERS	19,999	28,001	5,379	53,379	17,353
				KLAMATH	0	0	1,000	1,000	2,000
	LOST LK	RAINBOW TROUT	72T	KLAMATH	1,072	0	0	1,072	8
	MCKEE LK	BROOK TROUT	74T	KLAMATH	550	0	0	550	4
	MEDCO PD	RAINBOW TROUT	53T	COLE RIVERS	0	1,102	0	1,102	326
			72T	COLE RIVERS	0	6,121	0	6,121	1,777
	MIDDLE LK	BROOK TROUT	74T	KLAMATH	2,277	0	0	2,277	15
	PEAR LK	BROOK TROUT	74T	KLAMATH	2,277	0	0	2,277	15
	REINHART PARK PD	RAINBOW TROUT	72T	COLE RIVERS	0	1,561	0	1,561	441
	ROGUE R above Lost Creek	RAINBOW TROUT	53T	COLE RIVERS	0	20,294	0	20,294	6,718
			72T	COLE RIVERS	0	25,680	0	25,680	8,338
	ROUND LK	BROOK TROUT	74T	KLAMATH	1,413	0	0	1,413	9
	SELMAC LK	RAINBOW TROUT	72T	COLE RIVERS	5,016	14,039	0	19,055	5,145
	SOUTH BLUE LK	BROOK TROUT	74T	KLAMATH	1,021	0	0	1,021	7
	SPALDING PD	RAINBOW TROUT	72T	COLE RIVERS	2,015	1,801	0	3,816	736
	WILLOW LK	RAINBOW TROUT	72T	COLE RIVERS	8,321	4,037	1,503	13,861	4,009
	Rogue Watershed Total				209,641	205,086	11,249	425,976	92,288
16 - UMPQUA	BEN IRVING RES	RAINBOW TROUT	72T	COLE RIVERS	3,001	0	0	3,001	741
				ROCK CREEK	0	2,520	0	2,520	900
	BOWMAN PD	RAINBOW TROUT	72T	ROCK CREEK	0	1,000	0	1,000	360
	CALAMUT LK	RAINBOW TROUT	127T	WIZARD FALLS	1,800	0	0	1,800	9
	CLEARWATER BAY-2	RAINBOW TROUT	72T	ROCK CREEK	0	1,000	0	1,000	388
	CONNIE LK	RAINBOW TROUT	127T	WIZARD FALLS	487	0	0	487	2
	COOPER CR RES	RAINBOW TROUT	53T	ROCK CREEK	0	1,000	1,770	2,770	1,975
			72T	COLE RIVERS	0	4,513	0	4,513	1,470

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED	
17 - SOUTH COAST				EASTWOOD SCHOOL	0	1,002	0	1,002	306	
				ROCK CREEK	0	4,299	0	4,299	1,592	
	DIAMOND LK	BROWN TROUT	71T	KLAMATH	20,659	0	0	20,659	2,830	
			127T	WIZARD FALLS	20,648	0	0	20,648	2,900	
		RAINBOW TROUT	53H	KLAMATH	293,020	0	0	293,020	5,980	
				OAK SPRINGS	40,000	0	0	40,000	1,250	
			72T	KLAMATH	0	0	125	125	250	
		TIGER TROUT	74T	WIZARD FALLS	19,246	0	0	19,246	932	
	GALESVILLE RES	RAINBOW TROUT	53T	ROCK CREEK	0	80	5,219	5,299	3,889	
			72T	KLAMATH	0	6,000	0	6,000	2,400	
	HEMLOCK LK	RAINBOW TROUT	72T	ROCK CREEK	0	14,730	0	14,730	6,200	
	LAKE IN THE WOODS	RAINBOW TROUT	72T	ROCK CREEK	0	1,167	0	1,167	452	
	LAKE MARIE	RAINBOW TROUT	72T	COLE RIVERS	1,995	0	0	1,995	493	
				ROCK CREEK	0	2,470	0	2,470	902	
	LEMOLO RES	RAINBOW TROUT	72T	ROCK CREEK	0	17,918	0	17,918	7,078	
	LINDA LK	RAINBOW TROUT	127T	WIZARD FALLS	1,900	0	0	1,900	9	
	LOON LK	RAINBOW TROUT	72T	COLE RIVERS	3,524	0	0	3,524	870	
				ROCK CREEK	0	6,502	0	6,502	2,459	
	MAIDU LK	RAINBOW TROUT	127T	WIZARD FALLS	2,946	0	0	2,946	15	
	PITT LK #1	RAINBOW TROUT	127T	WIZARD FALLS	479	0	0	479	2	
	PITT LK #2	RAINBOW TROUT	127T	WIZARD FALLS	488	0	0	488	2	
	PLAT I RES	RAINBOW TROUT	72T	COLE RIVERS	0	1,504	0	1,504	490	
	RED TOP LK	RAINBOW TROUT	72T	ROCK CREEK	0	1,500	0	1,500	581	
	SKOOKUM LK	RAINBOW TROUT	127T	WIZARD FALLS	2,244	0	0	2,244	11	
	TWIN LK, BIG	RAINBOW TROUT	127T	WIZARD FALLS	1,498	0	0	1,498	7	
	Umpqua Watershed Total					413,935	67,205	7,114	488,254	47,747
	17 - SOUTH COAST	ARIZONA PD	RAINBOW TROUT	72T	COLE RIVERS	0	503	0	503	145
ELK RIVER					0	2,594	659	3,253	2,355	
LEABURG					0	0	1,505	1,505	1,750	
BLUEBILL LK		RAINBOW TROUT	72T	COLE RIVERS	0	3,000	0	3,000	800	
BRADLEY LK		RAINBOW TROUT	72T	BANDON	0	0	403	403	930	
				COLE RIVERS	0	6,513	803	7,316	2,925	
				KLAMATH	0	0	800	800	640	
				ROCK CREEK	0	3,000	0	3,000	1,000	
BUTTERFIELD LK	RAINBOW TROUT	72T	COLE RIVERS	0	3,525	2,084	5,609	3,230		

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	EEL LK	RAINBOW TROUT	72T	ROCK CREEK	0	3,000	0	3,000	1,000
				COLE RIVERS	0	6,010	0	6,010	1,807
				ROCK CREEK	0	2,635	0	2,635	878
	EMPIRE LK, LWR	RAINBOW TROUT	72T	BANDON	0	0	650	650	1,479
				COLE RIVERS	0	2,993	2,000	4,993	2,581
	EMPIRE LK, UPR	RAINBOW TROUT	72T	BANDON	0	0	675	675	1,560
				COLE RIVERS	0	2,004	9,008	11,012	8,636
	FLORAS LK	RAINBOW TROUT	72T	COLE RIVERS	0	4,950	0	4,950	1,320
				ELK RIVER	0	0	211	211	422
	GARRISON LK	RAINBOW TROUT	72T	BANDON	0	0	999	999	2,189
				COLE RIVERS	506	1,217	0	1,723	647
				ELK RIVER	0	0	1,991	1,991	1,242
	JOHNSONS MILL PD	RAINBOW TROUT	72T	BANDON	0	0	52	52	108
				COLE RIVERS	0	3,008	0	3,008	845
				ROCK CREEK	0	3,000	0	3,000	1,000
	LAIRD LK	RAINBOW TROUT	72T	ELK RIVER	0	1,055	426	1,481	699
	POWERS PD	RAINBOW TROUT	72T	BANDON	0	0	717	717	1,879
				COLE RIVERS	0	13,956	1,301	15,257	5,866
	SAUNDERS LK	RAINBOW TROUT	72T	COLE RIVERS	0	6,010	1,305	7,315	3,450
				ROCK CREEK	0	2,996	0	2,996	999
SRU LK (formerly USFS Lk)	RAINBOW TROUT	72T	ROCK CREEK	0	1,438	0	1,438	575	
TENMILE LK, N	RAINBOW TROUT	72T	COLE RIVERS	0	9,009	0	9,009	2,590	
TENMILE LK, S	RAINBOW TROUT	72T	COLE RIVERS	0	9,005	0	9,005	2,569	
Weaver Road Pd	RAINBOW TROUT	72T	COLE RIVERS	0	2,010	0	2,010	670	
South Coast Watershed Total					506	93,431	25,589	119,526	58,788
18 - MID COAST	ALDER LK	RAINBOW TROUT	72T	ALSEA	0	2,462	969	3,431	1,653
	BIG CREEK RES-1	RAINBOW TROUT	72T	ALSEA	0	4,833	2,125	6,958	3,173
				SALMON RIVER	0	0	1,500	1,500	1,351
	BIG CREEK RES-2	RAINBOW TROUT	72T	ALSEA	0	15,901	1,130	17,031	8,616
				SALMON RIVER	0	0	1,776	1,776	1,600
	BUCK LK	RAINBOW TROUT	72T	ALSEA	0	2,334	208	2,542	1,314
	CARTER LK	RAINBOW TROUT	72T	ALSEA	0	3,998	0	3,998	1,719
	CLEAWOX LK	RAINBOW TROUT	72T	ALSEA	0	20,242	3,834	24,076	12,526
	DEVIL'S LK	RAINBOW TROUT	72T	SALMON RIVER	0	7,035	8,700	15,735	8,477
DUNDAS PD	RAINBOW TROUT	72T	ALSEA	0	200	0	200	83	

Resident Fish Released by Watershed (Table 5)

WATERSHED	WATERBODY	SPECIES	STOCK	RELEASE HATCHERY	FINGERLING	LEGAL	TROPHY	TOTAL NUMBER STOCKED	TOTAL POUNDS STOCKED
	DUNE LK	RAINBOW TROUT	72T	ALSEA	0	2,364	969	3,333	1,628
	ECKMAN LK	RAINBOW TROUT	72T	ALSEA	0	664	1,240	1,904	1,077
	ELBOW LK	RAINBOW TROUT	72T	ALSEA	0	1,984	0	1,984	827
	GEORGIA LK	RAINBOW TROUT	72T	ALSEA	0	400	0	400	154
	GEORGIA LK, N	RAINBOW TROUT	72T	ALSEA	0	400	0	400	154
	LOST LK	RAINBOW TROUT	72T	ALSEA	0	1,199	0	1,199	456
	MERCER LK	RAINBOW TROUT	72T	ALSEA	0	5,155	0	5,155	1,983
	MUNSEL LK	RAINBOW TROUT	72T	ALSEA	0	11,997	600	12,597	6,177
	OLALLA CR RES	RAINBOW TROUT	72T	ALSEA	0	14,564	1,650	16,214	9,646
	PERKINS LK	RAINBOW TROUT	72T	ALSEA	0	432	285	717	316
	SILTCOOS LK	RAINBOW TROUT	72T	ALSEA	0	2,664	0	2,664	1,067
	SUTTON LK	RAINBOW TROUT	72T	ALSEA	0	3,332	0	3,332	1,476
	THISSEL PD	RAINBOW TROUT	72T	ALSEA	0	5,591	1,435	7,026	4,295
	WOAHINK LK	RAINBOW TROUT	72T	ALSEA	0	2,664	0	2,664	1,189
	Mid Coast Watershed Total				0	110,415	26,421	136,836	70,956
	STATEWIDE RESIDENT RELEASE TOTAL				3,289,123	1,438,155	615,779	5,343,057	1,248,707

Table 6. Fish Produced Outside ODFW Hatcheries for Release in Oregon in 2023

SOURCE	SPECIES	TOTAL STOCKED	
		NUMBER	POUNDS
N/A - None			
TOTAL			

Table 7. Fish Purchased by ODFW from Private Fish Propagators in 2023

SOURCE	SPECIES	STOCK	TOTAL STOCKED		COST
			NUMBER	POUNDS	
N/A - None					
TOTAL					

Table 8. Fish Produced by ODFW Hatcheries for Release outside Oregon in 2023

HATCHERY	SPECIES	LOT	TOTAL SHIPPED		SHIPPED TO
			NUMBER	POUNDS	
Bonneville	Fall Chinook	110.21	220,401	11,190	Yakima Nation - Prosser
		45.22	4,803,317	40,990	Ringold Acclimation, WA
Irrigon	Fall Chinook	97.22	1,108,190	23,187	Salmon R., ID – Hammer Cr.
Cascade	Coho	508.20	154,680	6,034	Yakima Nation – 8 Mile Pond
			46,220	6,279	Yakima Nation – Butcher Pond
			134,305	5,543	Yakima Nation – Twisp
			144,793	6,449	Yakima Nation – Leavenworth NFH
			71,826	2,994	Yakima Nation – Rohlfings Pond
		57,241	2,467	Yakima Nation – Powerline Pond	
TOTAL			6,740,973	105,133	

Table 9. Summary of Egg and Fry Rearing at ODFW Hatcheries for Brood Year 2023

Summary of Egg and Fry Rearing for Brood Year 2023 (Table 9)											
SPECIES	STOCK	FACILITY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	EGG LOSS	FRY LOSS	RELEASE	ON HAND	FRY PONDED
BROOK TROUT	129H	WIZARD FALLS	0	0	85,572	0	0	17,973	0	0	67,599
	129H	IDAHO F&G	0	0	0	85,572	0	0	0	0	0
	74T	WYOMING	0	0	0	40,100	0	0	0	0	0
	74T	FALL RIVER	0	0	40,100	0	4,467	854	0	0	34,779
		SPECIES TOTAL		0	0	125,672	125,672	4,467	18,827	0	0
BROWN TROUT	71T	CALIFORNIA	0	0	0	76,340	0	0	0	0	0
	71T	KLAMATH	0	0	76,340	0	0	0	0	76,340	0
		SPECIES TOTAL	0	0	76,340	76,340	0	0	0	0	0
CHUM	13H	BIG CREEK	216	546,133	0	0	19,333	0	183,500	343,300	0
		SPECIES TOTAL	216	546,133	0	0	19,333	0	183,500	343,300	0
COHO	11H	SANDY	140	399,519	0	0	75,878	43,772	0	0	279,869
	13H	ABERNATHY	0	0	3,500	0	0	0	0	3,500	0
	13H	ASTORIA H.S. HATCHERY	0	0	5,000	0	0	0	0	5,000	0
	13H	BIG CREEK	1,258	3,562,065	0	2,348,857	409,708	13,627	0	0	789,873
	13H	BONNEVILLE	0	0	465,372	0	0	0	0	465,372	0
	13H	CASCADE	0	0	3,211,857	465,372	9,477	45,205	0	1,063,023	1,628,780
	13H	CLATSOP CITY	505	1,308,875	0	877,500	431,375	0	0	0	0
	13H	KLASKANINE	509	1,406,408	0	420,000	323,345	7,090	0	0	655,973
	13H	SALMON RIVER	0	0	420,000	0	0	7,400	0	0	412,600
	13H	WARRENTON H.S. HATCHERY	0	0	6,000	0	0	0	0	6,000	0
	14H	BONNEVILLE	420	1,452,189	0	1,210,618	0	0	0	241,571	0
	14H	CASCADE	0	0	1,452,189	465,000	108,689	0	0	878,500	0
	14H	IDAHO F&G	0	0	465,000	0	0	0	0	465,000	0
	14H	OXBOW	0	0	1,210,618	1,452,189	0	0	0	0	0
	18H	COLE RIVERS	45	109,264	0	0	15,495	0	0	93,769	0
	32F	NEHALEM	105	279,239	0	0	23,277	4,467	0	132,744	118,751
	34F	TRASK	48	131,657	0	0	5,245	2,872	0	94,228	29,312
	34H	D BAY SALMON COMMISSION	0	0	20,064	0	0	0	0	20,064	0
	34H	TRASK	61	177,664	0	20,064	26,896	256	56,488	64,184	9,776
	52H	COLE RIVERS	78	205,369	0	0	77,198	0	0	128,171	0
	91H	CASCADE	0	0	689,079	0	5,678	0	0	683,401	0
	91H	IRRIGON	420	1,470,878	0	689,079	253,156	0	528,643	0	0
		SPECIES TOTAL		3,589	10,503,127	8,713,791	8,713,791	1,768,423	124,689	585,131	4,099,950
FALL CHINOOK	110H	BONNEVILLE	0	0	302,215	295,058	7,157	0	0	0	0

Summary of Egg and Fry Rearing for Brood Year 2023 (Table 9)

SPECIES	STOCK	FACILITY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	EGG LOSS	FRY LOSS	RELEASE	ON HAND	FRY PONDED
	110H	LITTLE WHITE SALMON	0	0	0	302,215	0	0	0	0	0
	110H	OXBOW	0	0	295,058	0	0	0	0	295,058	0
	13H	ASTORIA H.S. HATCHERY	0	0	30,000	0	0	0	0	30,000	0
	13H	BIG CREEK	1,270	5,597,959	0	50,000	957,959	72,935	0	0	4,517,065
	13H	WARRENTON H.S. HATCHERY	0	0	20,000	0	0	0	0	20,000	0
	14H	BEAVER CREEK HATCHERY	0	0	630,000	0	0	0	0	630,000	0
	14H	BONNEVILLE	1,176	5,126,990	0	2,632,143	434,675	7,516	0	0	2,052,656
	14H	KALAMA	0	0	2,002,143	0	0	0	0	2,002,143	0
	151H	ELK RIVER	0	0	98,144	0	27,340	6,947	0	0	63,857
	151H	GARDINER HATCHERY	49	161,304	0	98,144	0	0	0	63,160	0
	34H	PACIFIC RIDGE ELEM	0	0	250	0	0	0	0	250	0
	34H	SEASIDE MIDDLE SCHOOL	0	0	250	0	0	0	0	250	0
	34H	TRASK	130	481,596	0	750	225,342	620	0	154,904	99,980
	34H	WILSON ELEMENTARY SCHOOL	0	0	250	0	0	0	0	250	0
	35H	ELK RIVER	207	651,172	0	0	176,045	0	0	475,127	0
	36H	SALMON RIVER	75	245,045	0	0	21,734	3,495	0	0	219,816
	37H	BANDON	0	0	3,427,705	1,695,837	1,149,318	3,910	0	1,500	577,140
	37H	COLE RIVERS	0	0	440,800	0	0	43,311	0	0	397,489
	37H	MORGAN CR HATCHERY	652	2,069,995	484,789	2,069,995	0	0	0	484,789	0
	37H	NOBLE CR HATCHERY	356	1,357,710	647,528	1,357,710	0	0	0	647,528	0
	37H	WF MILLICOMA PD (M.I.CTR) HATCHERY	0	0	122,720	0	0	0	0	122,720	0
	44F	BANDON	18	64,149	0	41,269	2,816	230	0	0	19,834
	44F	ELK RIVER	0	0	41,269	0	0	0	0	41,269	0
	44H	BANDON	229	761,516	0	723,178	38,338	0	0	0	0
	44H	COLE RIVERS	0	0	226,875	0	0	12,999	0	0	213,876
	44H	COQUILLE HIGH SCHOOL HATCHERY	0	0	6,011	0	0	0	0	6,011	0
	44H	COQUILLE RIVER STEP	0	0	489,779	0	0	0	0	489,779	0
	44H	STEP BIO 03	0	0	513	0	0	0	0	513	0
	45H	BONNEVILLE	0	0	5,430,950	0	226,854	8,016	0	3,943,161	1,252,919
	45H	PRIEST RAPIDS	0	0	0	4,103,450	0	0	0	0	0
	45H	RINGOLD	0	0	0	1,327,500	0	0	0	0	0
	47H	CEDAR CREEK	44	144,886	0	0	6,146	2,230	20,166	13,307	103,037
	52H	KLASKANINE	189	520,217	0	0	56,641	3,429	0	20,304	439,843
	61H	INDIAN CR HATCHERY	20	72,306	0	0	4,565	578	0	0	67,163

Summary of Egg and Fry Rearing for Brood Year 2023 (Table 9)

SPECIES	STOCK	FACILITY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	EGG LOSS	FRY LOSS	RELEASE	ON HAND	FRY PONDED
	91H	BONNEVILLE	0	0	1,102,947	0	0	0	0	1,102,947	0
	91H	UMATILLA HATCHERY	629	2,146,187	0	1,102,947	112,310	15,367	0	0	915,563
	96H	ELK RIVER	69	273,623	0	0	23,823	9,309	0	147,594	92,897
	97H	IRRIGON	0	0	1,374,032	0	0	6,310	0	0	1,367,722
	97H	LYON'S FERRY	0	0	0	1,374,032	0	0	0	0	0
		SPECIES TOTAL	5,113	19,674,655	17,174,228	17,174,228	3,471,063	197,202	20,166	3,585,367	12,400,857
KOKANEE	67H	WIZARD FALLS	360	242,788	0	0	22,484	7,747	0	0	212,557
		SPECIES TOTAL	360	242,788	0	0	22,484	7,747	0	0	212,557
RAINBOW TROUT	127H	WIZARD FALLS	189	25,656	0	0	3,848	267	0	0	21,541
	127T	COLE RIVERS	0	0	160,176	0	0	9,462	0	0	150,714
	127T	STEP BIO 08, E OREGON	0	0	3,486	0	0	0	0	3,486	0
	127T	WALLOWA	0	0	25,000	0	0	0	0	0	25,000
	127T	WIZARD FALLS	357	1,211,161	0	188,662	434,624	12,240	0	0	575,635
	133H	OAK SPRINGS	228	421,262	27,956	0	427,175	8,857	0	0	13,186
	133H	UTAH	0	0	0	27,956	0	0	0	0	0
	133T	OAK SPRINGS	0	0	20,498	0	4,458	10,295	0	0	5,745
	133T	UTAH	0	0	0	20,498	0	0	0	0	0
	53H	MT HOOD COMMUNITY COLLEGE	0	0	49,657	0	0	0	0	49,657	0
	53H	OAK SPRINGS	649	2,047,585	0	50,257	677,619	21,167	0	0	1,348,199
	53H	STEP BIO 08, E OREGON	0	0	600	0	0	0	0	600	0
	53T	COLE RIVERS	0	0	173,052	0	0	0	0	0	173,052
	53T	MT HOOD COMMUNITY COLLEGE	0	0	4,000	0	0	0	0	4,000	0
	53T	OAK SPRINGS	750	3,749,657	0	682,412	1,748,538	171,301	0	152,492	994,914
	53T	STEP BIO 08 E OREGON	0	0	3,400	0	0	0	0	3,400	0
	53T	WIZARD FALLS	0	0	501,960	0	0	3,422	0	0	498,538
	72H	ROARING RIVER	9	66,113	0	0	8,809	28,938	0	0	28,366
	72T	ALSEA	0	0	350,428	0	0	68,428	0	0	282,000
	72T	COLE RIVERS	0	0	673,374	0	0	0	0	673,374	0
	72T	NEHALEM	0	0	182,648	0	0	3,900	0	0	178,748
	72T	ROARING RIVER	682	5,559,553	0	2,399,055	2,503,890	9,947	0	356,048	290,613
	72T	STEP BIO 06	0	0	15,792	0	0	0	0	15,792	0
	72T	STEP BIO 07	0	0	20,000	0	0	0	0	20,000	0
	72T	STEP BIO 08, E OREGON	0	0	2,256	0	0	0	0	2,256	0
	72T	TRASK	0	0	400,029	0	0	7,328	0	0	392,701

Summary of Egg and Fry Rearing for Brood Year 2023 (Table 9)

SPECIES	STOCK	FACILITY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	EGG LOSS	FRY LOSS	RELEASE	ON HAND	FRY PONDED
	72T	WILLAMETTE	0	0	754,528	0	0	5,500	0	0	749,028
		SPECIES TOTAL	2,864	13,080,987	3,368,840	3,368,840	5,808,961	361,052	0	1,182,994	5,727,980
SOCKEYE SALMON	85H	IDAHO F&G	0	0	0	45,045	0	0	0	0	0
	85H	OXBOW	0	0	45,045	0	0	245	0	0	44,800
		SPECIES TOTAL	0	0	45,045	45,045	0	245	0	0	44,800
SPRING CHINOOK	11H	CLACKAMAS	88	391,971	0	391,971	0	0	0	0	0
	11H	SANDY	7	28,294	391,971	0	269,817	5,275	0	0	145,173
	132H	CALIFORNIA	0	0	0	10,100	0	0	0	0	0
	132H	HENLEY MIDDLE SCHOOL	0	0	200	0	0	160	40	0	0
	132H	KLAMATH	0	0	10,100	200	0	100	0	0	9,800
	136H	IRRIGON	0	0	221,616	0	0	350	0	0	221,266
	136H	SAWTOOTH HATCHERY	0	0	0	221,616	0	0	0	0	0
	19H	BONNEVILLE	0	0	896,750	0	134,620	12,471	0	0	749,659
	19H	CLACKAMAS	343	1,384,457	0	1,210,750	173,707	0	0	0	0
	19H	OXBOW	0	0	280,000	0	8,284	3,110	0	0	276,890
	19H	STEP BIO 07	0	0	34,000	0	0	0	0	34,000	0
	200H	LOOKINGGLASS	73	287,563	0	0	16,243	0	0	0	271,320
	201H	LOOKINGGLASS	47	163,148	0	0	4,871	1,328	0	0	156,949
	21H	BIG CREEK	0	0	344,000	0	0	6,104	0	0	337,896
	21H	MARION FORKS	0	0	2,891,400	344,000	335,800	0	0	2,211,600	0
	21H	MINTO PONDS	661	2,891,400	0	2,891,400	0	0	0	0	0
	22H	OSU	0	0	4,600	0	0	0	0	4,600	0
	22H	WILLAMETTE	552	1,629,760	0	4,600	511,642	20,615	0	0	1,092,903
	23H	LEABURG	270	1,059,471	0	1,402,031	3,700	0	0	0	0
	23H	MCKENZIE	0	0	1,402,031	200	79,221	0	0	1,322,610	0
	23H	STEP BIO 09, SPRINGFIELD	0	0	200	0	0	0	0	200	0
	24H	GNAT CREEK	0	0	1,000,000	0	0	22,202	0	0	977,798
	24H	HAT RES CTR	0	0	7,999	0	7,999	0	0	0	0
	24H	OXBOW	0	0	1,601,100	0	0	9,208	0	0	1,591,892
	24H	SOUTH SANTIAM	1,129	4,800,871	0	4,402,841	398,030	0	0	0	0
	24H	STEP BIO 06	0	0	24,700	0	0	0	0	24,700	0
	24H	STEP BIO 09, SPRINGFIELD	0	0	9,600	0	0	0	0	9,600	0
	24H	WILLAMETTE	0	0	1,743,442	0	201,310	73,876	0	0	1,468,256
	29H	LOOKINGGLASS	134	532,650	0	0	33,642	0	0	499,008	0
	34H	CEDAR CREEK	0	0	221,840	0	0	6,600	0	0	215,240

Summary of Egg and Fry Rearing for Brood Year 2023 (Table 9)

SPECIES	STOCK	FACILITY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	EGG LOSS	FRY LOSS	RELEASE	ON HAND	FRY PONDED
	34H	ODF/TILL.FOREST INTER.CTR	0	0	500	0	0	0	0	500	0
	34H	STEP BIO 01, N COAST	0	0	500	0	0	0	0	500	0
	34H	TRASK	231	798,774	0	339,010	198,000	24,400	0	0	237,364
	34H	WHISKEY CR HATCHERY	0	0	115,920	0	0	0	0	115,920	0
	34H	WILSON ELEMENTARY SCHOOL	0	0	250	0	0	0	0	250	0
	47H	CEDAR CREEK	93	312,893	0	0	32,080	6,904	0	0	273,909
	50H	PARKDALE	0	0	0	109,719	0	0	0	0	0
	50H	ROUND BUTTE	0	0	109,719	0	0	9,062	0	0	100,657
	52H	COLE RIVERS	952	2,885,874	0	5,767	374,012	182,586	0	0	2,323,509
	52H	STEP BIO 10	0	0	5,767	0	0	0	0	5,767	0
	55H	COLE RIVERS	65	234,632	0	0	18,107	10,399	0	0	206,126
	66H	FALL RIVER	0	0	127,725	0	632	2,518	0	0	124,575
	66H	ROUND BUTTE	333	851,816	0	137,005	81,870	13,321	0	0	619,620
	66H	STEP BIO 08, E OREGON	0	0	9,280	0	0	0	0	9,280	0
	80H	LOOKINGGLASS	76	235,359	0	0	13,226	2,485	0	0	219,648
	81H	LOOKINGGLASS	93	324,351	0	0	18,004	2,268	0	0	304,079
	91H	UMATILLA HATCHERY	279	881,018	0	0	84,895	0	0	796,123	0
		SPECIES TOTAL	5,426	19,694,302	11,471,210	11,471,210	2,999,712	415,342	40	4,625,999	11,653,209
SUMMER STEELHEAD	24H	BONNEVILLE	0	0	283,500	0	0	3,964	0	0	279,536
	24H	ROARING RIVER	0	0	201,600	0	0	1,633	0	0	199,967
	24H	SOUTH SANTIAM	346	1,341,532	0	485,100	376,432	4,763	0	0	475,237
	29H	IRRIGON	0	0	247,500	0	0	4,804	0	0	242,696
	29H	LITTLE SHEEP	58	325,970	0	325,970	0	0	0	0	0
	29H	WALLOWA	0	0	325,970	247,500	78,470	0	0	0	0
	33H	CEDAR CREEK	45	161,142	0	99,648	21,744	722	0	0	39,028
	33H	SALMON RIVER	0	0	99,648	0	0	2,519	0	0	97,129
	47H	CEDAR CREEK	42	122,880	0	0	15,360	3,747	0	0	103,773
	52H	COLE RIVERS	264	866,758	0	0	136,132	730,626	0	0	0
	55H	COLE RIVERS	83	241,387	0	0	22,411	12,519	0	51,204	155,253
	56H	IRRIGON	0	0	909,000	0	0	10,990	0	0	898,010
	56H	STEP BIO 08 E OREGON	0	0	1,000	0	0	0	0	1,000	0
	56H	WALLOWA	202	1,177,450	0	910,000	267,450	0	0	0	0
	66H	ROUND BUTTE	203	1,073,601	0	135,374	476,797	32,722	0	0	428,708
	66H	STEP BIO 08, E OREGON	0	0	3,750	0	0	0	0	3,750	0

Summary of Egg and Fry Rearing for Brood Year 2023 (Table 9)

SPECIES	STOCK	FACILITY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	EGG LOSS	FRY LOSS	RELEASE	ON HAND	FRY PONDED
	66H	WIZARD FALLS	0	0	131,624	0	0	918	0	0	130,706
	91H	IRRIGON	0	0	226,509	0	0	0	0	0	226,509
	91H	UMATILLA HATCHERY	45	260,315	0	226,509	33,806	0	0	0	0
		SPECIES TOTAL	1,288	5,571,035	2,430,101	2,430,101	1,428,602	809,927	0	55,954	3,276,552
TIGER TROUT	74T	WYOMING	0	0	0	74,606	0	0	0	0	0
	74T	WIZARD FALLS	0	0	74,606	0	0	8,595	0	0	66,011
		SPECIES TOTAL	0	0	74,606	74,606	0	8,595	0	0	66,011
WINTER STEELHEAD	11H	SANDY	74	316,034	0	0	66,592	5,250	0	0	244,192
	121F	TRASK	69	204,727	0	0	13,719	4,866	0	0	186,142
	121H	ODF/TILL.FOREST INTER.CTR	0	0	500	0	4	17	479	0	0
	121H	TRASK	22	62,422	0	500	4,196	415	0	0	57,311
	122H	CLACKAMAS	115	581,986	0	427,440	154,546	0	0	0	0
	122H	OAK SPRINGS	0	0	427,440	0	0	15,269	0	0	412,171
	13H	ASTORIA H.S. HATCHERY	0	0	500	0	0	500	0	0	0
	13H	BIG CREEK	74	361,526	0	1,300	156,226	44,155	0	0	159,845
	13H	KNAPPA HIGH SCHOOL VO-AG	0	0	300	0	0	4	296	0	0
	13H	WARRENTON H.S. HATCHERY	0	0	500	0	0	20	0	0	480
	144H	BANDON	35	116,960	0	0	32,666	1,128	0	0	83,166
	18H	COLE RIVERS	84	314,314	0	2,700	24,096	67,266	0	0	220,252
	18H	STEP BIO 05	0	0	2,700	0	0	40	2,660	0	0
	32F	NEHALEM	28	77,142	0	0	10,188	3,160	0	0	63,794
	32H	NEHALEM	90	310,586	0	0	94,898	4,922	0	0	210,766
	33F	ALSEA	40	132,071	0	9,500	15,631	22,080	0	0	84,860
	33F	SILETZ	0	0	9500	0	0	0	0	9500	0
	37H	BANDON	0	0	244,306	217,068	27,238	0	0	0	0
	37H	COLE RIVERS	0	0	217,068	0	0	86,766	0	54,209	76,093
	37H	WF MILLICOMA PD (M.I.CTR) HATCHERY	75	244,306	0	244,306	0	0	0	0	0
	38H	ALSEA	0	0	427,025	208,250	218,775	0	0	0	0
	38H	LETZ CR HATCHERY	0	0	16,000	0	0	0	0	16,000	0
	38H	ROARING RIVER	0	0	208,250	0	31,556	31,992	0	0	144,702
	38H	WHITTAKER CR (SIUSLAW R) STEP	170	427,025	0	443,025	0	0	0	0	0
	43F	ALSEA	241	665,011	0	20,000	326,262	140,883	0	0	177,866
	43F	HAT RES CTR	0	0	20,000	17,100	0	2,900	0	0	0

Summary of Egg and Fry Rearing for Brood Year 2023 (Table 9)

SPECIES	STOCK	FACILITY	FEMALES SPAWNED	EGG TAKE	RECEIVE	TRANSFER	EGG LOSS	FRY LOSS	RELEASE	ON HAND	FRY PONDED
	43F	OREGON STATE UNIVERSITY	0	0	17,100	0	0	0	0	17,100	0
	43H	ALSEA	164	515,184	0	40,986	348,148	35,050	0	0	91,000
	43H	HAT RES CTR	0	0	39,786	0	6,410	12,022	0	0	21,354
	43H	STEP BIO 2 MID COAST	0	0	1,200	0	0	0	0	1,200	0
	44H	BANDON	26	92,507	0	0	14,713	17,650	0	0	60,144
	47F	CEDAR CREEK	70	178,178	0	0	9,514	4,768	0	0	163,896
	52H	COLE RIVERS	192	569,792	0	0	195,836	71,112	0	0	302,844
	62H	COLE RIVERS	169	471,668	0	0	53,297	71,678	0	0	346,693
	88H	BANDON	0	0	36,315	29,125	7,190	0	0	0	0
	88H	EEL CR TRAP	17	36,315	0	36,315	0	0	0	0	0
	88H	ELK RIVER	0	0	29,125	0	0	189	0	0	28,936
	96H	ELK RIVER	15	46,348	0	700	7,331	1,159	0	0	37,158
	96H	STEP BIO 04, GOLD BEACH	0	0	700	0	0	0	700	0	0
		SPECIES TOTAL	1,770	5,724,102	1,698,315	1,698,315	1,819,032	645,261	4,135	82,009	3,173,665
GRAND TOTAL			18,856	69,313,027	43,479,833	43,479,833	15,523,045	1,943,626	788,837	13,648,241	37,409,278

Table 10. Triploid Trout Egg Production Statistics Brood Years 2013 - 2023

FACILITY	SPECIES	STOCK	BROOD YEAR	EGG TAKE	EGG LOSS	FRY LOSS	% SURVIVAL	
							EYED EGG	PONDED FRY
FALL RIVER	RAINBOW TROUT	127T	2013	347,922	118,250	28,378	66.0	87.6
OAK SPRINGS	CUTTHROAT	119T	2019	12,680	6,608	485	47.9	92.0
			2020	155,435	100,610	4,463	35.3	91.9
			2021	288,915	121,044	6,503	58.1	96.1
	RAINBOW TROUT	53T	2013	2,241,276	1,127,409	41,487	49.7	96.3
			2014	2,278,105	966,724	49,162	57.6	96.3
			2015	2,330,311	763,911	45,765	67.2	97.1
			2016	2,424,104	1,065,667	54,641	56.0	96.0
			2017	2,182,670	702,429	69,726	67.8	95.3
			2018	3,413,232	1,424,972	94,107	58.3	95.3
			2019	3,389,866	1,415,405	54,194	58.2	97.3
			2020	4,957,749	2,405,053	72,837	51.5	97.1
			2021	4,199,587	1,724,784	47,532	58.9	98.1
			2022	3,544,162	1,660,232	42,898	53.2	97.7
			2023	3,749,657	935,252	28,700	75.1	99.0
ROARING RIVER	RAINBOW TROUT	72T	2013	9,155,254	2,430,997	357,599	73.4	94.7
			2014	9,348,781	4,119,374	513,658	55.9	90.2
			2015	9,020,613	3,299,457	177,614	63.4	96.9
			2016	7,440,135	2,557,040	244,255	65.6	95.0
			2017	5,298,847	1,746,489	107,622	67.0	97.0
			2018	6,388,909	2,116,422	111,766	66.9	97.4
			2019	4,695,817	1,296,184	82,452	72.4	97.6
			2020	6,500,598	1,882,991	97,840	71.0	97.9
			2021	6,587,982	1,440,973	123,203	78.1	97.6
			2022	5,206,551	1,109,206	133,303	78.7	96.7
			2023	5,559,553	1,062,919	113,958	80.9	97.5
SOUTH SANTIAM	SUMMER STEELHEAD	24T	2013	53,422	976	1,667	98.2	96.8
			2014	28,176	4,806	1,200	82.9	94.9
WIZARD FALLS	RAINBOW TROUT	127T	2014	265,992	80,880	NA	69.6	100.0
			2015	157,418	92,898	5,000	41.0	92.3
			2016	1,046,805	593,593	12,642	43.3	97.2
			2017	1,005,571	478,189	13,999	52.4	97.3
			2018	1,026,718	296,413	23,563	71.1	96.8
			2019	1,376,045	460,149	31,947	66.6	96.5
			2020	989,878	293,753	20,592	70.3	97.0
			2021	1,631,331	585,297	27,840	64.1	97.3
			2022	1,302,889	528,527	33,895	59.4	95.6
			2023	1,211,161	434,624	21,702	64.1	97.2

Table 11. Eggs Produced for Shipment to Outside Agencies in 2023

SHIPPED TO	SPECIES	STOCK	NUMBER OF EGGS
ABERNATHY	COHO	13H	3,500
BEAVER CR HATCHERY	FALL CHINOOK	14H	630,000
COQUILLE INDIAN TRIBE	FALL CHINOOK	44H	783,235
IDAHO F&G	COHO	14H	465,000
KALAMA	FALL CHINOOK	14H	2,002,143
OREGON STATE UNIVERSITY	SPRING CHINOOK	22H	4,600
		24H	25,891
	WINTER STEELHEAD	43F	8,100
			9,000
	RAINBOW TROUT	72T	700
	FALL CHINOOK	35H	8,662
TOTAL SHIPPED			3,940,831

Table 12. Fish Loss Reports for 2023

LOCATION	DATE	TIME	SPECIES	STOCK	BROOD YEAR	SIZE	NUMBER LOST	REASON
Trask River Hatchery	7/13/2023	1:40PM	Winter Steelhead	121H	2022	400 fpp	14,300	Incorrect dilution calculation for Chloramine T fish health treatment.
Tuffy Creek Holding Pond (Trask)	7/11/2023	3:00PM	Spring Chinook	34H	2022	20 fpp	3,186	Fish were abnormally stressed due to delay in seining during Fish Liberation Truck loading.
Cole Rivers Hatchery	4/27/2023	8:00AM	Winter Steelhead	37H	2023	Sac Fry	136,068	Incorrectly treated with Ovadine resulting in loss.
			Coho	52H	2022		77,319	
			Summer Steelhead	52H	2023		730,626	
			Summer Steelhead	55H	2023		51,204	
	6/26/2023	8:45AM	Winter Steelhead	52H	2023	Sac Fry	60,581	Low oxygen.
			62H	2023		59,856		
Big Creek Hatchery	3/16/2023	1:50PM	Winter Steelhead	13H	2023	Sac Fry	42,000	Low oxygen.

Table 13. Adult Anadromous Fish Dispositions for 2023

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	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
BULL TROUT																				
29W	2023	IMNAHA PD	0	0	28	28	0	0	0	0	0	28	0	0	0	0	0	0	0	28
81W	2023	LOOKINGGLASS	0	0	36	36	0	0	0	0	0	36	0	0	0	0	0	0	0	36
BULL TROUT TOTAL			0	0	64	64	0	0	0	0	0	64	0	0	0	0	0	0	0	64
CHUM																				
13W	2022	BIG CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13W	2023	BIG CREEK	310	460	0	770	0	0	3	177	216	402	188	0	0	0	0	208	0	798
504W	2023	BONNEVILLE	4	5	0	9	0	0	0	0	0	9	0	0	0	0	0	0	0	9
CHUM TOTAL			314	465	0	779	0	0	3	177	216	411	188	0	0	0	0	208	0	807
COHO																				
11H	2023	SANDY	1,639	1,405	1,013	4,057	0	0	15	140	140	0	15	0	0	0	2,057	1,933	52	4,057
11W	2022	SANDY	4	3	0	7	0	0	0	0	0	7	0	0	0	0	0	0	0	7
11W	2023	SANDY	247	228	34	509	0	0	0	0	0	509	0	0	0	0	0	0	0	509
121W	2022	TUFFY CREEK	2	3	0	5	0	0	0	0	0	5	0	0	0	0	0	0	0	5
121W	2023	TUFFY CREEK	39	24	1	64	0	0	0	0	0	64	0	0	0	0	0	0	0	64
13H	2022	BIG CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,598	0	2,598
13H	2023	BIG CREEK	2,233	2,501	4,016	8,750	0	0	1,049	1,258	1,258	0	1,700	0	0	0	1,315	341	0	3,356
13H	2022	KLASKANINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	565	0	565
13H	2023	KLASKANINE	1,054	1,207	680	2,941	0	0	116	509	509	0	470	0	0	0	1,153	0	0	1,623
13W	2022	BIG CREEK	5	8	0	13	0	0	0	0	0	13	0	0	0	0	0	0	0	13
13W	2023	BIG CREEK	253	245	60	558	0	0	0	0	0	558	0	0	0	0	0	0	0	558
13W	2022	KLASKANINE	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
14H	2023	BONNEVILLE	5,342	5,451	4,091	14,884	0	0	36	420	420	0	1,953	0	9,505	0	1,221	0	2,205	14,884
15W	2023	KLASKANINE	13	11	3	27	0	0	0	0	0	27	0	0	0	0	0	0	0	27
18H	2023	COLE RIVERS	0	0	0	0	81	0	0	37	43	0	0	81	0	0	0	0	0	81
18H	2022	GALESVILLE TRAP/NET PEN	0	0	22	22	0	0	0	0	0	0	0	0	0	0	0	22	0	22

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
18H	2023	GALESVILLE TRAP/NET PEN	405	391	34	830	0	83	0	0	0	0	0	0	0	0	66	681	0	747
18W	2022	CANYONVILLE ACCL	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
18W	2023	COLE RIVERS	0	1	0	1	9	0	0	8	2	0	0	10	0	0	0	0	0	10
18W	2022	GALESVILLE TRAP/NET PEN	1	0	3	4	0	0	0	0	0	4	0	0	0	0	0	0	0	4
18W	2023	GALESVILLE TRAP/NET PEN	20	7	1	28	0	9	0	0	0	19	0	0	0	0	0	0	0	19
19H	2023	CLACKAMAS	0	1	0	1	18	0	0	0	0	0	11	0	0	0	0	8	0	19
19H	2023	PGE	11	7	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	0
21W	2023	MINTO PONDS	901	762	0	1,663	0	0	0	0	0	1,202	0	0	0	0	0	461	0	1,663
32F	2023	NEHALEM	332	349	251	932	8	0	0	60	60	0	0	0	0	0	638	298	4	940
32F	2022	WATERHOUSE FALLS TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32F	2023	WATERHOUSE FALLS TRAP	39	62	6	107	0	8	0	0	0	0	0	0	0	0	0	99	0	99
32H	2022	WATERHOUSE FALLS TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32W	2023	NEHALEM	59	47	8	114	60	0	7	26	38	99	8	0	0	0	0	38	0	145
32W	2022	WATERHOUSE FALLS TRAP	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
32W	2023	WATERHOUSE FALLS TRAP	22	38	6	66	0	60	0	0	0	6	0	0	0	0	0	0	0	6
34F	2023	NEHALEM	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1
34F	2023	TRASK	199	210	209	618	0	0	10	59	61	0	10	0	0	0	428	183	0	621
34W	2022	TRASK	0	0	0	0	0	0	4	7	4	6	5	0	0	0	0	0	0	11
34W	2023	TRASK	40	39	2	81	29	0	4	43	44	39	48	0	0	0	0	0	0	87
34W	2023	TUFFY CREEK	13	16	0	29	0	29	0	0	0	0	0	0	0	0	0	0	0	0
35H	2023	ELK RIVER	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35W	2022	ELK RIVER	2	6	0	8	0	0	0	0	0	8	0	0	0	0	0	0	0	8
35W	2023	ELK RIVER	1	2	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
36H	2023	SALMON RIVER	4	3	0	7	0	0	0	0	0	0	0	0	0	0	7	0	0	7

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
36W	2022	SALMON RIVER	30	20	3	53	0	0	0	0	0	53	0	0	0	0	0	0	0	53
36W	2023	SALMON RIVER	416	387	98	901	0	0	1	0	0	900	1	0	0	0	0	0	0	901
43W	2022	ALSEA	26	27	0	53	0	0	0	0	0	53	0	0	0	0	0	0	0	53
43W	2022	ALSEA TRAP2	15	28	1	44	0	0	0	0	0	44	0	0	0	0	0	0	0	44
43W	2023	ALSEA TRAP2	59	55	7	121	0	0	0	0	0	121	0	0	0	0	0	0	0	121
44H	2022	BANDON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44H	2023	BANDON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44W	2022	BANDON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44W	2023	BANDON	2	4	2	8	0	0	0	0	0	8	0	0	0	0	0	0	0	8
47W	2022	CEDAR CREEK	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
47W	2023	CEDAR CREEK	18	11	1	30	0	0	0	0	0	30	0	0	0	0	0	0	0	30
504H	2023	BONNEVILLE	14	11	2	27	0	0	0	0	0	27	0	0	0	0	0	0	0	27
504W	2023	BONNEVILLE	354	203	104	661	0	0	0	0	0	661	0	0	0	0	0	0	0	661
52H	2022	COLE RIVERS	0	5	0	5	0	0	0	0	0	0	0	1	0	0	0	868	0	869
52H	2023	COLE RIVERS	408	533	261	1,202	0	0	0	52	55	0	0	257	0	0	0	0	0	257
52W	2022	COLE RIVERS	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	2
52W	2023	COLE RIVERS	67	47	22	136	0	0	0	23	23	24	0	97	0	0	0	0	0	121
66H	2023	ROUND BUTTE	7	2	0	9	0	0	0	0	0	0	0	0	0	0	8	0	0	8
66W	2023	ROUND BUTTE	8	1	0	9	0	0	0	0	0	9	0	0	0	0	0	0	0	9
COHO TOTAL			14,309	14,362	10,941	39,612	205	207	1,242	2,642	2,657	4,507	4,221	446	9,505	0	6,894	8,095	2,261	35,929
CUTTHROAT SEARUN																				
13W	2023	BIG CREEK	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
13W	2024	BIG CREEK	53	47	0	100	0	0	0	0	0	100	0	0	0	0	0	0	0	100
CUTTHROAT SEARUN TOTAL			54	47	0	101	0	0	0	0	0	101	0	0	0	0	0	0	0	101
FALL CHINOOK																				
13H	2022	BIG CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,806	0	3,806
13H	2023	BIG CREEK	2,609	2,451	497	5,557	0	0	1,221	1,270	1,270	0	1,348	0	0	0	514	139	0	2,001
13H	2022	KLASKANINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
13H	2023	KLASKANINE	284	227	68	579	0	0	134	0	0	0	425	0	0	0	0	154	0	579
13W	2023	BIG CREEK	45	23	1	69	0	0	0	0	0	69	0	0	0	0	0	0	0	69
14H	2023	BONNEVILLE	6,607	5,930	2,380	14,917	0	0	231	1,176	1,176	0	235	0	12,134	2,539	0	0	9	14,917
15W	2023	KLASKANINE	2	2	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	4
151H	2023	GARDINER HATCHERY	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0
151H	2023	WINCHESTER BAY NET PENS	4	22	0	26	0	26	0	0	0	0	0	0	0	0	0	0	0	0
151W	2023	GARDINER HATCHERY	0	0	0	0	123	0	0	0	0	13	0	0	0	0	0	0	0	13
151W	2023	WINCHESTER BAY NET PENS	72	49	2	123	0	123	0	0	0	0	0	0	0	0	0	0	0	0
32W	2023	NEHALEM	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
32W	2022	WATERHOUSE FALLS TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32W	2023	WATERHOUSE FALLS TRAP	4	2	1	7	0	0	0	0	0	7	0	0	0	0	0	0	0	7
34H	2023	NEHALEM	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
34H	2022	TRASK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34H	2023	TRASK	463	307	44	814	0	0	69	109	119	0	69	0	0	0	97	642	0	808
34W	2023	TRASK	27	18	0	45	0	0	2	13	10	20	2	0	0	0	0	23	0	45
35H	2022	ELK RIVER	55	151	3	209	0	0	106	83	91	0	106	0	0	0	0	310	0	416
35H	2023	ELK RIVER	487	490	55	1,032	0	0	23	159	161	0	23	0	0	0	0	901	0	924
35W	2022	ELK RIVER	31	12	2	45	0	0	4	7	3	25	4	0	0	0	0	3	0	32
35W	2023	ELK RIVER	15	17	9	41	0	0	0	13	17	20	0	0	0	0	0	18	0	38
36H	2023	SALMON RIVER	969	776	109	1,854	0	0	15	32	59	0	17	0	0	0	1,707	122	8	1,854
36W	2023	SALMON RIVER	580	443	72	1,095	0	0	7	42	16	1,021	13	0	0	0	0	61	0	1,095
37H	2023	MORGAN CR HATCHERY	988	1,678	589	3,255	361	0	0	652	652	361	0	0	0	0	0	3,255	0	3,616
37H	2023	NOBLE CR HATCHERY	1,468	1,719	269	3,456	0	361	571	356	356	0	571	0	0	0	101	2,423	0	3,095
43W	2023	ALSEA TRAP2	52	22	0	74	0	0	0	0	0	74	0	0	0	0	0	0	0	74

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
44H	2022	BANDON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44H	2023	BANDON	159	255	32	446	0	0	41	127	231	0	10	0	0	0	2	403	0	415
44W	2022	BANDON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44W	2023	BANDON	16	16	3	35	0	0	0	0	6	0	0	0	0	0	0	6	0	6
47H	2023	CEDAR CREEK	254	238	88	580	0	0	15	26	34	14	15	0	0	0	0	553	0	582
47W	2023	CEDAR CREEK	190	89	48	327	0	0	14	15	13	285	14	0	0	0	0	30	0	329
504H	2023	BONNEVILLE	17	25	6	48	0	0	0	0	0	0	2	0	32	0	14	0	0	48
504W	2023	BONNEVILLE	728	503	216	1,447	0	0	0	0	0	1,447	0	0	0	0	0	0	0	1,447
52H	2022	KLASKANINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	0	338
52H	2023	KLASKANINE	213	196	27	436	0	0	33	189	189	0	58	0	0	0	0	0	0	58
52W	2023	COLE RIVERS	92	58	21	171	0	0	0	0	0	0	0	106	0	0	0	0	65	171
61H	2023	INDIAN CR HATCHERY	2	4	8	14	0	0	6	0	2	0	6	0	0	0	0	8	0	14
61W	2023	INDIAN CR HATCHERY	35	43	0	78	0	0	22	24	27	0	22	0	0	0	0	56	0	78
66H	2023	ROUND BUTTE	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1
66W	2022	ROUND BUTTE	4	5	1	10	0	0	0	0	0	10	0	0	0	0	0	0	0	10
66W	2023	ROUND BUTTE	68	54	59	181	0	0	0	0	0	181	0	0	0	0	0	0	0	181
96H	2023	CHETCO RIVER	28	30	0	58	0	58	0	0	0	0	0	0	0	0	0	0	0	0
96H	2023	ELK RIVER	0	0	0	0	58	0	1	19	28	0	1	0	0	0	0	54	0	55
96W	2023	CHETCO RIVER	55	42	1	98	0	98	0	0	0	0	0	0	0	0	0	0	0	0
96W	2023	ELK RIVER	0	0	0	0	98	0	1	50	41	0	1	0	0	0	0	97	0	98
FALL CHINOOK TOTAL			16,624	15,898	4,612	37,134	666	666	2,516	4,362	4,501	3,552	2,942	106	12,166	2,539	2,436	13,409	82	37,232
SOCKEYE SALMON																				
24H	2023	SOUTH SANTIAM	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1
66W	2023	ROUND BUTTE	38	29	0	67	0	0	0	0	0	67	0	0	0	0	0	0	0	67
SOCKEYE SALMON TOTAL			39	29	0	68	0	0	0	0	0	67	1	0	0	0	0	0	0	68
SPRING CHINOOK																				

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
11H	2023	BULL RUN TRAP	666	728	47	1,441	0	1,409	0	0	0	0	0	0	0	0	0	0	0	0
11H	2023	CLACKAMAS	0	0	0	0	235	0	75	70	71	0	216	0	0	0	19	0	0	235
11H	2023	SANDY	473	81	52	606	1,174	0	24	7	7	0	26	0	1,007	0	86	647	14	1,780
11W	2023	CLACKAMAS	21	21	0	42	0	0	7	18	17	18	24	0	0	0	0	0	0	42
19H	2023	CLACKAMAS	858	523	98	1,479	628	0	64	179	324	0	95	0	0	0	611	1,401	0	2,107
19H	2023	PORTLAND GENERAL ELECTRIC	322	306	0	628	0	628	0	0	0	0	0	0	0	0	0	0	0	0
19W	2023	CLACKAMAS	0	0	0	0	85	0	14	25	19	52	14	0	0	0	0	19	0	85
19W	2023	PGE	36	49	0	85	0	85	0	0	0	0	0	0	0	0	0	0	0	0
200H	2023	LOOKINGGLASS	0	0	0	0	119	0	13	46	45	31	88	0	0	0	0	0	0	119
200H	2023	LOSTINE WEIR	205	150	54	409	0	119	0	0	0	265	0	0	0	0	26	0	0	291
200W	2023	LOOKINGGLASS	0	0	0	0	53	0	7	29	28	0	53	0	0	0	0	0	0	53
200W	2023	LOSTINE WEIR	117	95	22	234	0	53	0	0	0	181	0	0	0	0	0	0	0	181
201H	2023	CAT.CR.WEIR	33	35	3	71	0	71	0	0	0	0	0	0	0	0	0	0	0	0
201H	2023	LOOKINGGLASS	0	0	0	0	71	0	5	34	33	0	71	0	0	0	0	0	0	71
201W	2023	CAT.CR.WEIR	12	15	4	31	0	31	0	0	0	0	0	0	0	0	0	0	0	0
201W	2023	LOOKINGGLASS	0	0	0	0	31	0	12	19	14	0	31	0	0	0	0	0	0	31
21H	2023	MINTO PONDS	1,535	1,608	59	3,202	0	0	0	600	600	1,873	0	0	0	0	0	1,226	0	3,099
21W	2023	MINTO PONDS	415	293	7	715	0	0	0	61	61	476	0	0	0	0	0	122	0	598
22H	2023	BIG CREEK	792	714	776	2,282	0	0	0	0	0	0	720	0	1,198	0	364	0	0	2,282
22H	2023	DEXTER PONDS	888	906	17	1,811	0	1,740	0	0	0	71	0	0	0	0	0	0	0	71
22H	2023	SOUTH SANTIAM	0	0	0	0	1,740	0	595	552	552	0	648	0	0	0	0	1,084	0	1,732
23H	2023	LEABURG	143	119	7	269	383	0	104	245	250	0	104	0	0	0	0	557	0	661
23H	2023	LEABURG DAM	214	158	11	383	0	383	0	0	0	0	0	0	0	0	0	0	0	0
23W	2023	LEABURG	1	2	0	3	68	0	5	24	20	0	5	0	0	0	0	46	0	51
23W	2023	LEABURG DAM	33	35	0	68	0	68	0	0	0	0	0	0	0	0	0	0	0	0
24H	2023	SOUTH SANTIAM	3,338	2,073	9	5,420	0	0	234	772	1,129	1,000	243	0	0	0	1,428	2,749	0	5,420

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
24W	2023	SOUTH SANTIAM	166	121	0	287	0	0	0	0	0	287	0	0	0	0	0	0	0	287
29H	2023	IMNAHA PD	149	162	176	487	0	362	0	0	0	73	0	0	0	0	0	52	0	125
29H	2023	LOOKINGGLASS	0	0	0	0	224	0	21	109	104	0	224	0	0	0	0	0	0	224
29H	2023	WALLOWA	0	0	0	0	138	0	0	0	0	0	0	0	0	0	138	0	0	138
29W	2023	IMNAHA PD	67	58	19	144	0	73	0	0	0	71	0	0	0	0	0	0	0	71
29W	2023	LOOKINGGLASS	0	0	0	0	73	0	4	35	30	0	73	0	0	0	0	0	0	73
34H	2023	TRASK	717	500	218	1,435	0	0	245	216	226	0	245	0	0	0	0	1,201	3	1,449
34W	2023	TRASK	17	4	1	22	0	0	0	7	2	13	0	0	0	0	0	9	0	22
47H	2023	CEDAR CREEK	613	686	108	1,407	0	0	50	85	93	545	55	0	0	0	196	789	0	1,585
47W	2023	CEDAR CREEK	69	49	13	131	0	0	4	0	0	127	4	0	0	0	0	0	0	131
52H	2022	COLE RIVERS	0	0	0	0	0	0	0	0	0	0	0	259	0	0	0	0	0	259
52H	2023	COLE RIVERS	5,011	6,122	473	11,606	0	0	0	443	921	4,025	0	2,812	4,519	0	1,941	0	26	13,323
52W	2023	COLE RIVERS	190	159	20	369	0	0	0	61	31	38	0	132	0	0	0	0	0	170
55H	2023	COLE RIVERS	(6)	6	0	0	108	0	1	31	49	0	0	108	0	0	0	0	0	108
55H	2023	ROCK CREEK	64	44	192	300	0	133	0	0	0	0	0	0	0	0	40	123	0	163
55W	2023	COLE RIVERS	(6)	(19)	(4)	(29)	90	0	1	32	16	9	0	52	0	0	0	0	0	61
55W	2023	WINCHESTER DAM	43	41	6	90	0	90	0	0	0	0	0	0	0	0	0	0	0	0
66H	2023	ROUND BUTTE	285	525	69	879	0	0	142	201	333	77	753	0	0	0	50	0	0	880
66W	2023	ROUND BUTTE	4	5	2	11	0	0	0	0	0	10	0	0	0	0	0	0	0	10
80H	2023	GRANDE RONDE WEIR	68	88	11	167	0	167	0	0	0	0	0	0	0	0	0	0	0	0
80H	2023	LOOKINGGLASS	17	(10)	1	8	167	0	23	80	70	0	175	0	0	0	0	0	0	175
80W	2023	GRANDE RONDE WEIR	7	13	1	21	0	21	0	0	0	0	0	0	0	0	0	0	0	0
80W	2023	LOOKINGGLASS	3	(3)	0	0	21	0	4	21	6	0	21	0	0	0	0	0	0	21
81H	2023	LOOKINGGLASS	129	185	92	406	0	0	15	85	87	154	178	0	0	0	74	0	0	406
81W	2023	LOOKINGGLASS	12	22	7	41	0	0	3	5	6	33	8	0	0	0	0	0	0	41
SPRING CHINOOK TOTAL			17,721	16,669	2,571	36,961	5,408	5,433	1,672	4,092	5,144	9,429	4,074	3,363	6,724	0	4,973	10,025	43	38,631

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
SUMMER STEELHEAD																				
121W	2023	TUFFY CREEK	1	2	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
24H	2023	CLACKAMAS	0	3	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	3
24H	2024	CLACKAMAS	118	274	0	392	189	383	0	0	0	99	0	0	0	0	87	76	0	262
24H	2024	DEXTER PONDS	11	7	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	0
24H	2024	LEABURG	10	17	0	27	11	29	0	0	0	4	0	0	0	0	0	0	0	4
24H	2024	LEABURG DAM	10	1	0	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0
24H	2024	MIINTO PONDS	26	18	0	44	0	46	0	0	0	0	0	0	0	0	0	0	4	4
24H	2024	PGE	81	108	0	189	0	189	0	0	0	0	0	0	0	0	0	0	0	0
24H	2023	SANDY	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0	5
24H	2024	SANDY	42	59	0	101	0	65	5	0	0	11	5	0	0	0	5	15	0	36
24H	2023	SOUTH SANTIAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	491	0	491
24H	2024	SOUTH SANTIAM	181	231	0	412	541	0	187	30	297	0	520	0	0	0	0	0	0	520
29H	2023	LITTLE SHEEP	258	494	0	752	0	0	2	56	58	189	4	0	0	0	0	559	0	752
29W	2023	LITTLE SHEEP	28	36	0	64	0	0	0	1	0	64	0	0	0	0	0	0	0	64
33H	2023	CEDAR CREEK	0	0	0	0	0	0	0	42	45	43	0	0	0	0	0	89	0	132
33H	2024	CEDAR CREEK	57	56	0	113	0	0	4	0	0	0	4	0	0	0	0	0	0	4
47H	2023	CEDAR CREEK	11	10	0	21	0	0	0	28	42	205	0	0	0	0	0	71	0	276
47H	2024	CEDAR CREEK	146	141	0	287	0	0	3	0	0	162	3	0	0	0	0	2	0	167
47H	2023	TUFFY CREEK	6	4	0	10	0	0	0	0	0	3	0	0	0	0	0	5	0	8
47H	2024	TUFFY CREEK	3	9	0	12	0	0	0	0	0	9	0	0	0	0	0	3	0	12
504H	2023	BONNEVILLE	30	16	0	46	0	0	0	0	0	46	0	0	0	0	0	0	0	46
504W	2023	BONNEVILLE	23	22	0	45	0	0	0	0	0	45	0	0	0	0	0	0	0	45
52H	2023	COLE RIVERS	377	399	0	776	0	0	829	461	442	666	0	2,025	0	0	0	0	0	2,691
52H	2024	COLE RIVERS	1,631	1,702	0	3,333	0	0	0	0	0	2,143	0	0	0	0	0	0	34	2,177
52W	2023	COLE RIVERS	15	16	0	31	0	0	0	86	84	153	0	0	0	0	0	0	0	153
52W	2024	COLE RIVERS	38	44	0	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55H	2023	COLE RIVERS	0	0	0	0	(45)	0	48	59	83	0	0	238	0	0	0	0	0	238

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
55H	2024	COLE RIVERS	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0
55H	2023	ROCK CREEK	20	48	0	68	0	0	0	0	0	0	0	0	0	0	68	0	0	68
55H	2024	ROCK CREEK	5	3	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0
55W	2024	COLE RIVERS	0	0	0	0	20	0	0	0	0	20	0	0	0	0	0	0	0	20
55W	2024	WINCHESTER DAM	11	9	0	20	0	20	0	0	0	0	0	0	0	0	0	0	0	0
56H	2023	BIG CANYON TRAP	162	300	0	462	0	0	0	0	0	189	0	0	0	0	0	213	60	462
56H	2023	WALLOWA	442	553	0	995	0	0	2	202	202	28	2	0	0	0	0	909	69	1,008
56H	2024	WALLOWA	9	7	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56W	2023	BIG CANYON TRAP	9	27	0	36	0	0	0	0	0	36	0	0	0	0	0	0	0	36
56W	2023	WALLOWA	16	4	0	20	0	0	0	0	0	20	0	0	0	0	0	0	0	20
66H	2023	ROUND BUTTE	148	290	0	438	0	0	46	173	203	37	540	0	0	0	142	0	0	719
66H	2024	ROUND BUTTE	249	188	1	438	0	0	57	0	0	102	57	0	0	0	126	0	0	285
66W	2023	ROUND BUTTE	5	13	0	18	0	0	0	0	0	17	0	0	0	0	0	0	0	17
66W	2024	ROUND BUTTE	8	5	0	13	0	0	0	0	0	13	0	0	0	0	0	0	0	13
SUMMER STEELHEAD TOTAL			4,189	5,119	1	9,309	724	769	1,183	1,138	1,456	4,307	1,138	2,263	0	0	428	2,438	167	10,741
WINTER STEELHEAD																				
11H	2023	SANDY	574	669	0	1,243	0	0	0	55	69	429	0	0	0	0	0	916	0	1,345
11H	2024	SANDY	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11W	2023	SANDY	49	38	0	87	0	0	2	19	5	85	2	0	0	0	0	0	0	87
121F	2023	HUGHEY CR ACCL	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
121F	2023	TRASK	0	0	0	0	43	0	2	14	22	23	20	0	0	0	0	0	0	43
121F	2023	TUFFY CREEK	60	58	0	118	0	42	0	0	0	33	0	0	0	0	0	43	0	76
121F	2024	TUFFY CREEK	0	2	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2
121W	2023	HUGHEY CR ACCL	91	88	0	179	0	179	0	0	0	0	0	0	0	0	0	0	0	0
121W	2024	HUGHEY CR ACCL	3	1	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0
121W	2023	TRASK	0	0	0	0	187	0	34	70	70	156	34	0	0	0	0	0	0	190

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
121W	2024	TRASK	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
121W	2023	TUFFY CREEK	23	14	0	37	0	8	0	0	0	29	0	0	0	0	0	0	0	29
122H	2023	CLACKAMAS	130	153	0	283	109	0	0	98	112	0	10	0	0	0	0	382	0	392
122H	2023	PGE	60	49	0	109	0	109	0	0	0	0	0	0	0	0	0	0	0	0
122W	2023	CLACKAMAS	28	19	0	47	0	0	0	17	3	47	0	0	0	0	0	0	0	47
13H	2023	BIG CREEK	104	182	0	286	0	0	0	24	25	179	110	0	0	0	180	0	0	469
13H	2024	BIG CREEK	273	139	0	412	0	0	0	25	25	390	0	0	0	0	0	50	0	440
13H	2023	KLASKANINE	50	122	0	172	0	0	2	0	0	161	31	0	0	0	0	0	0	192
13H	2024	KLASKANINE	43	40	0	83	0	0	0	0	0	83	0	0	0	0	0	0	0	83
13W	2023	BIG CREEK	2	5	0	7	0	0	0	0	0	7	0	0	0	0	0	0	0	7
13W	2024	BIG CREEK	0	5	0	5	0	0	0	0	0	5	0	0	0	0	0	0	0	5
144H	2023	BANDON	3	3	0	6	52	0	3	8	32	0	3	0	0	0	0	55	0	58
144H	2023	WOODWARD CR ACCL	17	35	0	52	0	52	0	0	0	0	0	0	0	0	0	0	0	0
144W	2023	BANDON	2	5	0	7	0	0	0	0	3	4	0	0	0	0	0	3	0	7
144W	2023	WOODWARD CR ACCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15W	2023	KLASKANINE	1	1	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2
18H	2023	CANYONVILLE ACCL	14	97	0	111	0	68	0	0	0	20	1	0	0	0	22	0	0	43
18H	2023	COLE RIVERS	0	0	0	0	68	0	0	14	54	0	0	68	0	0	0	0	0	68
18W	2023	CANYONVILLE ACCL	46	73	1	120	0	81	1	0	0	38	1	0	0	0	0	0	0	39
18W	2023	COLE RIVERS	0	0	0	0	81	0	3	43	30	32	0	49	0	0	0	0	0	81
21W	2023	MINTO PONDS	44	26	0	70	0	0	0	0	0	70	0	0	0	0	0	0	0	70
24W	2023	SOUTH SANTIAM	34	48	0	82	0	0	0	0	0	82	0	0	0	0	0	0	0	82
32F	2023	NEHALEM	3	7	0	10	4	0	0	4	7	3	9	0	0	0	0	2	0	14
32F	2024	NEHALEM	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32F	2023	WATERHOUSE FALLS TRAP	1	7	0	8	0	4	0	0	0	0	0	0	0	0	0	4	0	4

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
32F	2024	WATERHOUSE FALLS TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32H	2023	NEHALEM	213	412	4	629	0	0	0	90	90	840	0	0	0	0	0	225	0	1,065
32H	2024	NEHALEM	87	73	0	160	0	0	0	0	0	72	0	0	0	0	0	0	0	72
32H	2023	WATERHOUSE FALLS TRAP	5	25	3	33	0	0	0	0	0	0	0	0	0	0	0	33	0	33
32H	2024	WATERHOUSE FALLS TRAP	2	2	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	4
32W	2023	NEHALEM	5	2	0	7	45	0	2	23	21	53	2	0	0	0	0	0	0	55
32W	2024	NEHALEM	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32W	2023	WATERHOUSE FALLS TRAP	44	35	5	84	0	45	0	0	0	39	0	0	0	0	0	0	0	39
32W	2024	WATERHOUSE FALLS TRAP	3	0	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	3
33W	2023	ALSEA	22	29	0	51	34	0	6	36	40	79	6	0	0	0	0	0	0	85
33W	2023	SILETZ TRAP	16	18	0	34	0	34	0	0	0	0	0	0	0	0	0	0	0	0
35W	2023	ELK RIVER	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
37H	2023	WF MILLICOMA PD	85	81	0	166	0	0	0	71	71	0	0	0	0	0	0	166	0	166
37W	2023	WF MILLICOMA PD	7	4	0	11	0	0	0	7	4	7	0	0	0	0	0	4	0	11
38H	2023	LETZ CR HATCHERY	1	3	0	4	0	0	0	1	3	4	0	0	0	0	0	0	0	4
38H	2023	WHITTAKER CR (SIUSLAW R)	225	238	1	464	0	0	0	188	169	464	0	0	0	0	0	0	0	464
43F	2023	ALSEA	234	226	0	460	0	0	29	228	228	228	29	0	0	0	0	252	0	509
43F	2024	ALSEA	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43F	2023	ALSEA TRAP2	221	114	0	335	0	0	0	0	0	236	0	0	0	0	0	118	0	354
43F	2024	ALSEA TRAP2	12	0	0	12	0	0	0	0	0	12	0	0	0	0	0	0	0	12
43H	2023	ALSEA	175	175	0	350	0	0	18	165	164	259	18	0	0	0	0	239	0	516
43H	2024	ALSEA	33	4	0	37	3	0	0	0	0	0	0	0	0	0	0	0	0	0
43H	2023	ALSEA TRAP2	58	63	0	121	0	0	0	0	0	115	0	0	0	0	0	11	0	126

Adult Anadromous Fish Dispositions for 2023 (Table 13)																				
SPECIES / STOCK	BROOD YEAR	FACILITY	RETURNS				TRANSFERS		POND	SPAWNED		DISPOSITION								
			MALE	FEMALE	JACK	TOTAL	IN	OUT	LOSS	MALE	FEMALE	RELEASE	BURY	RENDER	SOLD	PROCESS	GIVE AWAY	STREAM ENRICH	OTHER	TOTAL
43H	2024	ALSEA TRAP2	54	15	0	69	0	3	0	0	0	66	0	0	0	0	0	0	0	66
43W	2023	ALSEA	7	3	0	10	15	0	0	12	13	25	0	0	0	0	0	0	0	25
43W	2023	ALSEA TRAP2	17	27	0	44	0	15	0	0	0	29	0	0	0	0	0	0	0	29
43W	2024	ALSEA TRAP2	5	8	0	13	0	0	0	0	0	13	0	0	0	0	0	0	0	13
44H	2023	BANDON	37	53	0	90	0	0	4	6	15	0	4	0	0	0	0	86	0	90
44H	2024	BANDON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44W	2023	BANDON	15	23	0	38	0	0	1	0	11	26	1	0	0	0	0	11	0	38
44W	2024	BANDON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47F	2023	CEDAR CREEK	57	33	0	90	0	0	0	0	5	95	0	0	0	0	0	0	0	95
47H	2023	HUGHEY CR ACCL	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
47H	2023	TRASK	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	1
47W	2023	CEDAR CREEK	77	78	0	155	0	0	4	73	65	145	4	0	0	0	0	0	0	149
47W	2024	CEDAR CREEK	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52H	2023	COLE RIVERS	538	561	0	1,099	0	0	202	336	338	367	0	722	0	0	0	0	10	1,099
52W	2023	COLE RIVERS	84	30	0	114	0	0	15	52	46	99	0	15	0	0	0	0	0	114
62H	2023	COLE RIVERS	211	244	0	455	0	0	312	332	332	142	0	312	0	0	0	0	1	455
62W	2023	COLE RIVERS	9	4	0	13	0	0	4	9	6	9	0	4	0	0	0	0	0	13
96H	2023	CHETCO RIVER	2	3	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0
96H	2023	ELK RIVER	0	0	0	0	5	0	6	4	9	0	18	0	0	0	0	0	0	18
96W	2023	CHETCO RIVER	18	19	0	37	0	37	0	0	0	0	0	0	0	0	0	0	0	0
96W	2024	CHETCO RIVER	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
96W	2023	ELK RIVER	0	0	0	0	37	0	22	11	6	16	22	0	0	0	0	0	0	38
96W	2024	ELK RIVER	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER STEELHEAD TOTAL			4,249	4,497	14	8,760	689	689	673	2,035	2,093	5,328	326	1,170	0	0	202	2,600	11	9,637
GRAND TOTAL			57,499	57,086	18,203	132,788	7,692	7,764	7,289	14,446	16,067	*27,766	12,890	7,348	28,395	2,539	14,933	*36,775	2,564	133,210

* Consistent with HB 3191, fish health requirements, and stream nutrient loading requirements, 64,541 of 133,210 (48.5%) of salmon collected in Oregon hatcheries were either released or placed directly for stream enrichment in 2023.

Table 14. Adult Carcass Placement for Stream Enrichment in 2023

Adult Carcass Placement for Stream Enrichment in 2023 (Table 14)			
HATCHERY	WATERBODY CODE	WATERBODY NAME	NUMBER OF FISH
ALSEA	1800400000	ALSEA R	1
	1800430000	ALSEA R, N FK	13
	1800430060	SEELEY CR	84
	1800431000	CROOKED CR	81
	1800440000	ALSEA R, S FK	203
	1800440016	TOBE CR	109
		Total	491
ALSEA TRAP2	1800400000	ALSEA R	2
	1800430000	ALSEA R, N FK	127
		Total	129
BANDON	1700300000	COQUILLE R	343
	1700300600	HALL CR	13
	1700301000	FERRY CR (COQUILLE)	204
	1700310000	COQUILLE R, N FK	4
		Total	564
BIG CANYON TRAP	0800600000	WALLOWA R	213
		Total	213
BIG CREEK	0100201000	LEWIS AND CLARK R	2,766
	0100203000	BEAR CR (COLUMBIA R-1)	1,990
	0100205001	BIG CR, UPSTREAM OF HATCHERY	50
	0100205002	BIG CR BELOW HATCHERY	688
	0100210160	YOUNGS R, S FK	1,298
	0100211000	WALLUSKI R	350
		Total	7,142
BULL RUN TRAP	0300310000	BULL RUN R	32
		Total	32
CEDAR CREEK	0100400200	FARMER CR	161
	0100400340	BAYS CR (NESTUCCA R)	53
	0100400360	ALDER CR	9
	0100400460	NIAGARA CR	356
	0100400540	BEAR CR	137
	0100407000	ELK CR	109
	0100410000	NESTUCCA R, L	342
	0100432000	BEAVER CR, E FK	367
		Total	1,534
CLACKAMAS	0300200000	CLACKAMAS R	1,886
		Total	1,886
COLE RIVERS	1500310040	QUARTZ CR	321
	1500416000	EVANS CR, W FK	346
	1501330000	LITTLE BUTTE, S FK	201
		Total	868
ELK RIVER			13
	1700130000	ELK R	1,232
	1700150000	CHETCO R	138
		Total	1,383
GALESVILLE TRAP/NET PEN	1600500000	COW CR	703
		Total	703
IMNAHA PD	0800225000	LICK CR	52

Adult Carcass Placement for Stream Enrichment in 2023 (Table 14)			
HATCHERY	WATERBODY CODE	WATERBODY NAME	NUMBER OF FISH
		Total	52
INDIAN CR HATCHERY	1500200040	EDSON CR (ROGUE R-1)	64
		Total	64
KLASKANINE	0100210000	YOUNGS R & BAY	909
	0100212040	KLASKANINE R, N FK	154
		Total	1,063
LEABURG	0201505020	GATE CR, S FK	108
	0201505040	GATE CR, N FK	135
	0201508000	QUARTZ CR	30
	0201600000	MCKENZIE R-2 (above Leaburg Dam)	29
	0201602000	DEER CR	30
	0201610000	MCKENZIE R, S FK	271
		Total	603
LITTLE SHEEP	0800221000	SHEEP CR, LITTLE (IMNAHA R)	559
		Total	559
MINTO PONDS	0201000000	SANTIAM R & N FK-1	959
	0201100000	SANTIAM R, N FK-2	850
		Total	1,809
MORGAN CR HATCHERY	1700210000	COOS R, S FK	3,255
		Total	3,255
NEHALEM	0100310000	NEHALEM R, N FK	493
	0100311000	SOAPSTONE CR	71
		Total	564
NOBLE CR HATCHERY	1700210000	COOS R, S FK	979
	1700222000	MILLICOMA R, E FK	1,208
	1700222040	MARLOW CR	236
		Total	2,423
ROCK CREEK	1600202000	ROCK CR (UMPQUA R, N FK)	123
		Total	123
SALMON RIVER	1800160000	SALMON R (OR COAST)	183
		Total	183
SANDY	0300300000	SANDY R	2,749
	0300304000	CEDAR CR (SANDY R)	68
	0300330000	ZIGZAG R	699
		Total	3,516
SOUTH SANTIAM	0200211000	MOSBY CR	218
	0200311000	FALL CR, LITTLE (WILLAMETTE R)	370
	0200400000	WILLAMETTE R, MID FK-2	161
	0200500000	WILLAMETTE R, N FK OF MID FK	335
	0201200000	SANTIAM R, S FK	863
	0201200001	SANTIAM R, S FK (ABOVE FOSTER)	614
	0201200120	WILEY CR	326
	0201204000	MOOSE CR	200
	0201206000	SODA FORK	856
	0201230000	CANYON CR	381
		Total	4,324
TRASK	0100100460	WHITNEY BROOK	40
	0100103000	MIAMI R	284
	0100104000	KILCHIS R	162

Adult Carcass Placement for Stream Enrichment in 2023 (Table 14)			
HATCHERY	WATERBODY CODE	WATERBODY NAME	NUMBER OF FISH
	0100104120	KILCHIS R, N FK	295
	0100104140	KILCHIS R, S FK	79
	0100120240	JORDAN CR	202
	0100131000	GOLD CR	415
	0100132000	TRASK R, S FK	402
	0100133000	TRASK R, N FK	156
	0100141020	MUNSON CR	23
		Total	2,058
TUFFY CREEK	0100125000	WILSON R, S FK	51
		Total	51
WALLOWA	0800600000	WALLOWA R	909
		Total	909
WATERHOUSE FALLS TRAP	0100310000	NEHALEM R, N FK	136
		Total	136
WF MILLICOMA PD (M.I.CTR) HATCHERY	1700221000	MILLICOMA R, W FK	170
		Total	170
Grand Total			36,807

Table 15. Surplus Salmon Carcass Sales in 2023

Hatchery	Species	Buyer	Number Fish	Total Price	Total Pounds	Catch Fee	HRC Fee	R&E Fee	Total Revenue
Big Creek	Spring Chinook	Pacific Seafood LLC.	1,198	\$35,961.25	10,798.48	\$1,132.78	\$431.94	\$431.94	\$37,957.91
Cole Rivers	Spring Chinook	Fishhawk Fisheries Inc.	4,500	\$90,072.45	67,866.40	\$2,837.28	\$2,714.65	\$2,714.65	\$98,339.04
Sandy	Spring Chinook	Pacific Seafood LLC.	1,007	\$33,113.05	13,779.00	\$1,043.06	\$551.16	\$551.16	\$35,258.43
Bonneville	Fall Chinook	American Canadian Inc.	32	\$201.10	418.00	\$6.33	\$16.72	\$16.72	\$240.87
Bonneville	Fall Chinook	American Canadian Inc.	11,971	\$19,444.70	108,771.90	\$612.51	\$4,350.87	\$4,350.87	\$28,758.96
Bonneville	Coho	American Canadian Inc.	9,505	\$39,623.90	60,304.00	\$1,248.15	\$2,412.16	\$2,412.16	\$45,696.37
			28,213	\$218,416.45	261,937.78	\$6,880.11	\$10,477.50	\$10,477.50	\$246,251.58

Table 16. Surplus Salmon Carcasses Donated to Food Banks in 2023

HATCHERY	FROM TO	Sum of FISH	Sum of POUNDS
BIG CREEK	Processed by Pacific Seafood	2,252	14,294
	Processed by Tillamook Anglers	121	1,158
BONNEVILLE	Marion Polk Food Share	337	2,307
CLACKAMAS	Estacada food bank	17	63
	Sandy Action Center Food Bank	19	133
COLE RIVERS	Processed by American Canadian Fisheries Inc	1,710	24,244
GALESVILLE TRAP/NET PEN	Feeding Umpqua (UCAN)	43	394
KLASKANINE	American Legions / VFW	86	450
	Clatsop County Food Bank	1,067	5,900
NEHALEM	Smiley Brothers	639	3,875
NOBLE CR HATCHERY	South Coast Gospel Mission	13	163
ROCK CREEK	Glide Helping Hands	40	200
	Roseburg VA food bank	68	476
ROUND BUTTE	Jefferson County Food Bank	61	488
SALMON RIVER	Alsea Gleaners	161	1,936
	Community Gleaners	81	926
	Mary's River Gleaners	351	4,070
	Mid Valley Gleaners	206	2,422
	Philomath Gleaners	246	3,044
SANDY	Processed by Pacific Seafood	1,068	5,989
	Sandy Action Center Food Bank	5	33
SOUTH SANTIAM	Processed by American Canadian Fisheries Inc	640	6,265
TRASK	Processed by Tillamook Anglers	522	2,957
Grand Total		9,753	81,788

Table 17. Hatchery Produced Fish Provided for Education and Research in 2023

Hatchery fish provided for education and research (Table 17)					
STATUS	HATCHERY	SPECIES	PURPOSE	Month	Number Fish
LIVE FISH	BANDON	RAINBOW TROUT	Show Pond	Jun	25
	BIG CREEK	FALL CHINOOK	USACE Research	Feb	19,800
	CEDAR CREEK	RAINBOW TROUT	Classroom	Oct	30
	DEXTER PONDS	SPRING CHINOOK	USACE Research	Jun	25,902
				Jul	9,788
				Aug	7,025
				Sep	9,338
				Oct	6,552
				Nov	3,284
				Dec	54,118
	ELK RIVER	RAINBOW TROUT	FFD	Jul	300
	FALL RIVER	SPRING CHINOOK	Classroom	Jun	20
	GNAT CREEK	RAINBOW TROUT	FFD	Jun	600
	LEABURG	RAINBOW TROUT	Classroom School Dissection	Nov	20
				May	25
				Jun	14
				Jul	15
				Aug	15
				Oct	15
	MARION FORKS	SPRING CHINOOK	USACE Research	Apr	50
				Jun	2,750
				Jul	15,642
				Aug	2,000
				Sep	19,950
				Oct	4,000
				Nov	10,000
				Dec	500
	NEHALEM	RAINBOW TROUT	FFD	Sep	634
	OAK SPRINGS	RAINBOW TROUT	OSU Fish Health Sciences	Jan	950
	ROARING RIVER	RAINBOW TROUT	OSU Fish Health Sciences School Dissection	Apr	1,060
				Jul	100
				Apr	250
				Jun	65
	ROCK CREEK	RAINBOW TROUT	Classroom rearing	Jan	1,004
	SOUTH SANTIAM	SPRING CHINOOK	USACE Research	Jun	9,500
				Jul	2,755
				Aug	3,750
				Sep	1,750
				Oct	6,272
				Nov	9,502
	Dec	2,000			

Hatchery fish provided for education and research (Table 17)					
STATUS	HATCHERY	SPECIES	PURPOSE	Month	Number Fish
	TRASK	COHO	OSU Research	Apr	250
		RAINBOW TROUT	FFD	Jun	130
		SPRING CHINOOK	USACE Research	Apr	250
	WHISKEY CR HATCHERY	RAINBOW TROUT	FFD	Sep	409
	WILLAMETTE	SPRING CHINOOK	USACE Research	Apr	505
				May	20,809
				Aug	3,000
				Sep	23,000
				Oct	24,820
				Nov	24,259
	WIZARD FALLS	BROOK TROUT	USFS Id class	Jun	15
		RAINBOW TROUT	USFS Id class	Jun	15
		SUMMER STEELHEAD	Classroom	Jun	15
Live Fish Total					328,847
FISH CARCASS	NEHALEM	COHO	Salmon Watch	Oct	4
	TRASK	COHO	Classroom Dissection	Oct	3
		SPRING CHINOOK	Classroom Dissection	Sep	3
	WALLOWA	SUMMER STEELHEAD	Classroom Dissection	Mar	12
				Apr	57
	BIG CANYON TRAP	SUMMER STEELHEAD	Classroom Dissection	Apr	60
	MINTO PONDS	SUMMER STEELHEAD	Classroom Dissection	Jun	4
	COLE RIVERS	FALL CHINOOK	Classroom Dissection	Oct	9
				Nov	56
		SPRING CHINOOK	Classroom Dissection	Sep	6
				SOU Research	Jun
		SUMMER STEELHEAD	Classroom Dissection	Oct	34
	SANDY	COHO	Educational Purposes	Oct	52
		SPRING CHINOOK	OSU Study	Jul	10
				Aug	4
	BONNEVILLE	COHO	Classroom Dissection	Oct	20
				Dec	21
FALL CHINOOK				Classroom Dissection	Oct
SALMON RIVER	FALL CHINOOK	Classroom Dissection	Oct	18	
Fish Carcass Total					402
Grand Total					329,249

Table 18. Hatchery Produced Eggs Provided for Education and Research in 2023

Hatchery eggs provided for education and research (Table 18)					
Hatchery	Species	Entity	Month	Egg Status	Number
BANDON	CHF	COQUILLE H.S. HATCHERY	Jan	Eyed	1,052
		WF MILLICOMA PD (M.I.CTR) HATCHERY	Dec	Eyed	122,720
		COQUILLE H.S. HATCHERY	Mar	Fry	5,577
BIG CREEK	CHF	WARRENTON H.S. HATCHERY	Nov	Eyed	20,000
		ASTORIA H.S. HATCHERY	Nov	Eyed	30,000
	CO	WARRENTON H.S. HATCHERY	Dec	Eyed	6,000
		ASTORIA H.S. HATCHERY	Dec	Eyed	5,000
	STW	WARRENTON H.S. HATCHERY	Feb	Eyed	500
		ASTORIA H.S. HATCHERY	Feb	Eyed	500
		KNAPPA HIGH SCHOOL VO-AG	Jan	Eyed	300
HATCHERY RESEARCH CENTER	CHF	OREGON STATE UNIVERSITY	May	Fry	3,862
			Mar	Fry	2,000
			Apr	Fry	2,800
	CHS	OREGON STATE UNIVERSITY	Mar	Fry	9,891
	STW	OREGON STATE UNIVERSITY	May	Fry	9,000
			May	Fry	8,100
KLAMATH	CHS	HENLEY MIDDLE SCHOOL	Nov	Eyed	200
OAK SPRINGS	RB	MT HOOD COMMUNITY COLLEGE	Oct	Viable	49,657
			Oct	Eyed	4,000
ROARING RIVER	RB	OREGON STATE UNIVERSITY	Jan	Eyed	700
SOUTH SANTIAM	CHS	OREGON STATE UNIVERSITY	Oct	Eyed	16,000
TRASK	CHF	SEASIDE MIDDLE SCHOOL	Jan	Eyed	250
		PACIFIC RIDGE ELEM	Jan	Eyed	250
	CHS	ODF/TILL.FOREST INTER.CTR	Oct	Eyed	500
		WILSON ELEMENTARY SCHOOL	Oct	Eyed	250
	CO	D BAY SALMON COMMISSION	Dec	Eyed	20,064
	STW	ODF/TILL.FOREST INTER.CTR	May	Eyed	500
WILLAMETTE	CHS	OREGON STATE UNIVERSITY	Nov	Eyed	4,600
Total					324,273

Table 19. Frequency of Pathogen Diagnosis at ODFW Hatcheries in 2023

Pathogen	StS	StW	Rb	ChS	ChF	Co	Other sp.	Sum	Total
Parasites									
<i>Ichthyobodo sp.</i>	11	3	53	40	2	6	8	123	515
Trichodinids	11	12	34	5	3	7	2	74	
<i>Gyrodactylus sp.</i>	15	34	127	0	1	1	6	184	
Ich, <i>Ichthyophthirius multifiliis</i>	11	13	18	39	4	2	0	87	
Gill Amoeba	1	1	0	0	0	0	0	2	
Copepods	15	0	8	19	0	0	3	45	
Bacteria									
BKD, <i>Renibacterium salmoninarum</i>	4		0	458	71	38	4	575	2535
Furunculosis, <i>Aeromonas salmonicida</i>	0	45	0	181	39	102	0	367	
Coldwater Disease, <i>Flavobacterium psychrophilum</i>	130	304	192	111	45	182	3	967	
Columnaris Disease, <i>Flavobacterium columnare</i>	0	22	12	38	12	51	0	135	
Bacterial Gill Disease, <i>Flavobacterium sp.</i>	3	1	0	2	1	1	0	8	
Enteric Red Mouth Disease, <i>Yersinia ruckeri</i>	0	0	0	2	5	0	0	7	
<i>Aeromonas/Pseudomonas</i>	52	73	80	157	55	49	10	476	
Viruses									
IHNV, Infectious Hematopoietic Necrosis Virus									
Adult	24	48	0	276	0	0	0	348	349
Juvenile	0	0	0	0	0	0	0	0	
Fingerling	0	0	0	0	0	0	0	0	
Fry	0	0	0	0	0	0	0	0	
EIBS, Erythrocytic Inclusion Body Syndrome	0	0	0	0	0	0	0	0	
Fungus									
<i>Myxospores</i>	17	6	17	109	10	15	3	177	17
<i>Henneguya sp.</i>			1					1	
<i>Ceratonova shasta</i>									
<i>Myxobolus cerebralis</i>	8	0	0	15	1	7	0	31	
<i>Myxobolus sp.</i>									
Grand Total								3,434	

*BKD numbers represent the total number of individual fish which were above the antigen threshold of 0.1 OD units as determined by ELISA or the total number of individual fish which had at least one *R. salmoninarum* bacterium present by DFAT.

Table 20. Frequency of Pathogen Diagnosis in Naturally Reared Fish Survey 2023

Pathogen	StS	StW	Rb	ChS	ChF	Co	Other sp.	Sum	Total
Parasites									
<i>Ichthyobodo sp.</i>	0	0	0	0	0	0	3	3	87
Trichodinids	0	0	0	0	0	0	4	4	
<i>Gyrodactylus sp.</i>	0	0	0	0	0	0	4	4	
Ich, <i>Ichthyophthirius multifiliis</i>	0	0	1	0	0	0	2	3	
Gill Amoeba	0	0	0	0	0	0	0	0	
Copepods	1	0	1	2	0	0	52	56	
Bacteria									
BKD, <i>Renibacterium salmoninarum</i>	19	0	0	60	0	0	79	158	172
Furunculosis, <i>Aeromonas salmonicida</i>	0	0	0	0	0	0	0	0	
Coldwater Disease, <i>Flavobacterium psychrophilum</i>	1	0	0	0	0	0	0	1	
Columnaris Disease, <i>Flavobacterium columnare</i>	0	0	0	0	0	0	0	0	
Bacterial Gill Disease, <i>Flavobacterium sp.</i>	0	0	0	0	0	0	0	0	
Enteric Red Mouth Disease, <i>Yersinia ruckeri</i>	0	0	0	0	0	0	0	0	
<i>Aeromonas/Pseudomonas</i>	2	0	2	2	0	0	7	13	
Viruses									
IHNV, Infectious Hematopoietic Necrosis Virus									
Adult	0	0	0	0	0	0	0	0	2
Juvenile	0	0	0	0	0	0	2	2	
Fingerling	0	0	0	0	0	0	0	0	
Fry	0	0	0	0	0	0	0	0	
Other Viruses	0	0	0	0	0	0	0	0	
EIBS, Erythrocytic Inclusion Body Syndrome	0	0	0	0	0	0	0	0	
Fungus									
<i>Myxospores</i>	0	0	1	1	0	0	5	7	10
<i>Henneguya sp.</i>	0	0	0	0	0	0	0	0	
<i>Ceratonova shasta</i>	1	0	0	1	0	0	1	3	
<i>Myxobolus cerebralis</i>	0	0	0	0	0	0	0	0	
<i>Myxobolus sp.</i>	0	0	0	0	0	0	0	0	
Grand Total								271	

*BKD numbers represent the total number of individual fish which were above the antigen threshold of 0.1 OD units as determined by ELISA or the total number of individual fish which had at least one *R. salmoninarum* bacterium present by DFAT.

Table 21. Marking and Tagging Summary for 2023

<i>Marking and Tagging Summary (Table 21)</i>					
Hatchery	Species	Stock-Lot	Mark	CWT	Number Marked
Bandon	Fall Chinook	Coos-3722	Ad only	None	424,366
			AdCWT	09-23-92	31,024
		Coqu-4422	CWT Only	09-00-28	1,647
	BANDON TOTAL				457,037
Big Creek	Coho	Big-1322	Ad only	None	682,688
			AdCWT	09-21-89	54,793
	Fall Chinook	Big-1322	Ad only	None	3,301,180
			AdCWT	09-00-01	25,915
			AdCWT	09-00-06	51,932
			AdCWT	09-00-14	441,011
	Spring Chinook	S San-2422	Ad only	None	293,307
			AdCWT	09-21-67	27,195
	Winter Steelhead	Big-1323	Ad only	None	140,209
	BIG CREEK TOTAL				5,018,230
Bonneville	Coho	Big-1322	Ad only	None	407,278
			AdCWT	09-20-89	27,038
		Tann-1422	Ad only	None	247,143
	AdCWT		09-20-88	25,710	
	Fall Chinook	Lit Wht-11022	AdCWT	09-00-09	206,529
			Ad only	None	1,752,975
		Tule-1422	AdCWT	09-00-15	163,239
	Ad only		None	4,339,741	
		URB-4522	AdCWT	09-00-05	363,750
	Ad only		None	110,113	
		URB-9122	Ad only	None	614,492
	AdCWT		09-00-13	129,663	
			AdCWT	09-00-19	70,199
	Spring Chinook	Clack-1922	Ad only	None	641,618
			AdCWT	09-20-99	26,383
			AdCWT	09-21-64	27,475
			AdCWT	09-21-65	27,987
Summer Steelhead	S Sant-2423	AdRM only	None	266,761	
BONNEVILLE TOTAL				9,448,094	
Cascade	Coho	Big-1322	Ad only	None	1,556,610
			AdCWT	09-15-45	26,287
			AdCWT	09-15-46	26,104
		Tann-1422	Ad only	None	453,132
	AdCWT		09-00-17	96,942	
		Uma-9122	Ad only	None	325,795
	CWT Only		09-22-76	110,689	
CASCADE TOTAL				2,595,559	

<i>Marking and Tagging Summary (Table 21)</i>						
Hatchery	Species	Stock-Lot	Mark	CWT	Number Marked	
Cedar Creek	Spring Chinook	Nest-4722	Ad only	None	220,457	
			AdCWT	09-21-66	27,398	
		Trask-3422	Ad only	None	153,091	
			AdCWT	09-23-91	32,636	
	Summer Steelhead	Nest-4723	AdRM	None	110,600	
	Winter Steelhead	Nest-4723	Ad only	None	125,320	
	CEDAR CREEK TOTAL					669,502
Clackamas	Coho	Big-1322	Ad only	None	877,080	
			AdCWT	09-15-38	27,395	
	CLACKAMAS TOTAL					904,475
Cole Rivers	Coho	Rog-5222	Ad only	None	143,246	
			AdCWT	09-15-25	25,316	
	Fall Chinook	Coos-3722	Ad only	None	327,448	
			AdCWT	09-23-86	30,523	
		Coqu-4422	Ad only	None	191,786	
			AdCWT	09-23-87	33,218	
	Spring Chinook	NUmp-5522	Ad only	None	368,215	
		Rog-5222	Ad only	None	1,660,361	
				AdCWT	09-15-64	32,404
				AdCWT	09-23-81	32,993
				AdCWT	09-23-82	32,183
				AdCWT	09-23-83	31,342
				AdCWT	09-23-84	31,117
	Summer Steelhead	NUmp-5523	Ad only	None	0	
		Rog-5223	Ad only	None	0	
	Winter Steelhead	Coos-3723	Ad only	None	39,953	
		Cow-1822	Ad only	None	100,323	
	COLE RIVERS					3,111,113
	Elk River	Fall Chinook	Chet-9622	Ad only	None	175,726
AdCWT				09-14-75	26,778	
				AdCWT	09-14-76	26,754
				AdCWT	09-00-07	261,562
		Elk-3522		AdCWT	09-22-94	20,542
				Ad only	None	76,888
		Smith-15122		AdCWT	09-14-77	27,248
				Ad only	None	0
Winter Steelhead		Chetco-9623	Ad only	None	0	
			AdCWT	09-20-90	21,893	
	Ten-8823	Ad only	None	26,021		
ELK RIVER TOTAL					663,412	
Fall River	Spring Chinook	Desc-6622	LM	None	114,089	
			FALL RIVER TOTAL			

<i>Marking and Tagging Summary (Table 21)</i>					
Hatchery	Species	Stock-Lot	Mark	CWT	Number Marked
Gnat Creek	Spring Chinook	S. Sant-2422	Ad only	None	885,536
			AdCWT	09-20-92	26,392
				09-20-93	26,020
				09-20-94	25,307
	GNAT CREEK TOTAL				
Imnaha	Spring Chinook	61/22	Ad only	None	426,905
			AdCWT	61-02-16	32,379
				61-02-17	32,261
				61-02-18	99,071
	IMNAHA TOTAL				
Indian Creek	Fall Chinook	L Rog-6122	Ad only	None	31,559
			AdCWT	09-00-04	27,887
	INDIAN CREEK TOTAL				
Irrigon	Fall Chinook	Snake-9722	Ad only	None	24,763
			AdCWT	09-00-11	209,036
				63-80-57	221,060
	Summer Steelhead	Imn-2923	PIT	PIT	14,800
			Ad only	None	199,134
		L. Sh-2923	AdCWT	09-20-85	25,476
		Uma-9123	Ad only	None	124,414
	AdCWT		09-23-89	30,503	
		Wall-5623		09-23-90	29,973
	Ad only		None	583,921	
		AdCWT	09-21-69	25,121	
			09-21-70	25,420	
			09-21-71	27,409	
			09-21-72	27,894	
			09-21-73	27,054	
			09-21-74	25,995	
			09-21-75	25,902	
			09-21-76	25,729	
			09-21-77	27,372	
			09-21-78	25,930	
			PIT	PIT	17,800
IRRIGON TOTAL					1,744,706
Klaskanine	Coho	Big-1322	Ad only	None	537,794
			AdCWT	09-21-68	27,090
	Fall Chinook	Rog-5222	AdLVCWT	09-00-02	26,591
				09-00-03	25,224
			LV only	None	290,787
KLASKANINE TOTAL					907,486

<i>Marking and Tagging Summary (Table 21)</i>							
Hatchery	Species	Stock-Lot	Mark	CWT	Number Marked		
Leaburg	Spring Chinook	Mckz-2322	Ad only	None	746,251		
			AdCWT	09-00-24	47,472		
				09-00-25	34,342		
				09-00-26	34,900		
				09-00-27	35,488		
			LEABURG TOTAL				898,453
Lookingglass	Spring Chinook	Cath-20122	Ad only	None	81,583		
			AdCWT	09-21-93	52,130		
				09-21-94	50,748		
			PIT	PIT	11		
			Imn-2922	Ad only	None	255,270	
				AdCWT	09-22-67	61,411	
				09-22-68	61,245		
				09-22-69	66,363		
				09-22-70	60,269		
			Look-8022	PIT	PIT	5	
			Look-8122	Ad only	None	148,907	
				AdCWT	09-22-65	65,340	
					09-22-66	64,521	
			Lost-20022	Ad only	None	130,696	
				AdCWT	09-21-99	67,429	
					09-22-64	63,469	
			UGR-8022	AdCWT	09-21-97	68,883	
					09-21-98	67,677	
				CWT Only	09-21-95	59,699	
					09-21-96	58,160	
LOOKINGGLASS TOTAL				1,483,816			
Marion Forks	Spring Chinook	N San-2122	Ad only	(blank)	0		
				None	1,421,591		
			AdCWT	09-15-71	56,086		
				09-15-72	55,287		
				09-17-99	25,179		
				09-20-86	25,376		
				09-20-87	25,260		
				09-23-88	32,323		
			MARION FORKS TOTAL				1,641,102
			Millicoma	Fall Chinook	Coos-3722	Ad only	None
AdCWT	09-18-67	30,068					
MILLICOMA TOTAL						79,273	
Morgan Cr.	Fall Chinook	Coos-3722	Ad only	None	348,006		
			AdCWT	09-23-93	33,085		

<i>Marking and Tagging Summary (Table 21)</i>					
Hatchery	Species	Stock-Lot	Mark	CWT	Number Marked
					MORGAN CREEK TOTAL
					381,091
Nehalem	Coho	Nelm-3222	Ad only	None	0
		Nelm-32F22	Ad only	None	88,117
		Nelm-9922	Ad only	None	0
		Trask-3422	AdRM	None	0
		Trask-34F22	AdLM	None	127,068
	Winter Steelhead	Nelm-3223	Ad only	None	85,065
		Nelm-32F23	AdLM	None	14,312
					NEHALEM TOTAL
					314,562
Noble Creek	Fall Chinook	Coos-3722	Ad only	None	410,513
			AdCWT	09-23-94	32,214
					442,727
Oak Springs	Winter Steelhead	Clack-12223	Ad only	None	308,961
					OAK SPRINGS TOTAL
					308,961
Oxbow	Sockeye Salmon	SS-85H22	AdCWT	09-00-29	47,645
	Spring Chinook	Clack-19W/H22	Ad only	None	291,485
			AdCWT	09-17-97	27,017
		Ssan-2422	Ad only	None	1,410,436
			AdCWT	09-20-97	26,570
				09-20-98	26,755
					OXBOW TOTAL
					1,829,908
Roaring River	Rainbow Trout	72T22	Ad only	None	265,730
	Summer Steelhead	S Sant-2423	Ad only	None	249,614
					ROARING RIVER TOTAL
					515,344
Round Butte	Spring Chinook	Desc-6622	AdCWT	09-00-08	214,402
				09-18-98	66,610
				09-22-73	100,285
		Hood-5022	Ad only	None	105,475
					486,772
S. Santiam	Summer Steelhead	S Sant-2423	Ad only	None	358,787
					SOUTH SANTIAM TOTAL
					358,787
Salmon R	Coho	Big-1322	Ad only	(blank)	348,595
			AdCWT	09-17-98	26,144
	Fall Chinook	Sal-3622	AdCWT	09-00-10	204,046
	Summer Steelhead	Sltz-3323	Ad only	None	49,051
					627,836
Sandy	Coho	San-1122	Ad only	None	154,219
			AdCWT	09-20-95	27,379
	Spring Chinook	San-1122	Ad only	None	201,214

Marking and Tagging Summary (Table 21)

Hatchery	Species	Stock-Lot	Mark	CWT	Number Marked
			AdCWT	09-20-96	25,426
	Winter Steelhead	San-1122	AdLM only	None	43,340
		Sandy-1123	Ad only	None	99,532
	SANDY TOTAL				551,110
Trask	Fall Chinook	Trask-3422	Ad only	None	163,059
			AdCWT	09-14-94	31,767
	Spring Chinook	Trask-3422	Ad only	None	146,721
	Winter Steelhead	Wils-12123	Ad only	None	149,638
	TRASK TOTAL				491,185
Umatilla	Fall Chinook	Uma-9122	Ad only	None	399,723
			AdCWT	09-00-12	165,103
	Spring Chinook	Uma-9122	Ad only	None	766,228
			AdCWT	09-00-22	62,706
				09-21-91	53,441
	UMATILLA TOTAL				1,447,201
Willamette	Rainbow Trout	RR-72T22	Ad only	None	541,419
	Spring Chinook	S San-2422	Ad only	None	914,450
			AdCWT	09-00-18	84,183
				09-21-90	56,056
		Ssan-2422	AdCWT	09-22-75	113,637
		Will-2222	Ad only	None	1,834,249
			AdCWT	09-00-20	67,319
				09-00-21	65,026
				09-00-23	48,152
				09-18-85	54,901
				09-18-90	66,182
				09-22-74	107,314
	WILLAMETTE TOTAL				3,952,888
Wizard Falls	Brook Trout	129H22	Ad only	None	27,639
	Kokanee	67H22	Ad only	None	78,557
	Rainbow Trout	127H23	Ad only	None	0
		127T23	Ad only	None	151,408
	Summer Steelhead	Desc-6623	LM	None	103,192
	WIZARD FALLS TOTAL				360,796
GRAND TOTAL					43,418,832

Totals by Species	Marks	Number Marked
Coho	Ad only	5,821,697
	AdCWT	390,198
	AdLM	127,068
	CWT Only	110,689
Fall Chinook	Ad only	12,631,430
	AdCWT	2,974,266
	AdLVCWT	51,815
	CWT Only	1,647
	LV only	290,787
Rainbow Trout	Ad only	958,557
Sockeye Salmon	AdCWT	47,645
Spring Chinook	Ad only	13,104,046
	AdCWT	2,988,408
	CWT Only	117,859
	LM	114,089
	PIT	16
Summer Steelhead	Ad only	1,564,921
	AdCWT	349,778
	AdRM	377,361
	LM	103,192
	PIT	32,600
Winter Steelhead	Ad only	1,075,022
	AdCWT	21,893
	AdLM	57,652
Kokanee	Ad only	78,557
Brook Trout	Ad only	27,639
Grand Total		43,418,832

Table 22. Number of Tags Processed in 2023

Number Tags Processed in 2023 (Table 22)			
Species	Fishery	CWT Status	Tags Processed
Chinook	-	CCF	1
		CDFW	19
		DCPUD	1
		HVT	6
		IDFG	1
		No Tag	147
		NPT	4
		ODFW	2,318
		Pseudo Tag, Blank Wire	82
		ROWH	2
		Tag Lost Before Read	35
		Tag Not Readable	4
		USFWS	7
		WDFW	12
		YAKA	5
	Total	2,644	
	10 - OCEAN TROLL	CDFW	1
		DCPUD	3
		NISQ	1
		No Tag	7
		NPT	2
		ODFW	226
		Tag Lost Before Read	5
		Tag Not Readable	1
		USFWS	3
		WDFW	4
		OCEAN TROLL Total	253
	11 - OCEAN SPORT	CCF	1
		CCT	1
		CDFW	9
		HVT	1
		No Tag	24
		NPT	16
		ODFW	63
		QDNR	1
		Tag Lost Before Read	1
		USFWS	21
		WDFW	35
		OCEAN SPORT Total	173
	12 - COL. R. SPORT	CCF	2
CCT		2	
CRITFC		1	
DCPUD		34	
HVT		1	
IDFG		10	
No Tag		28	
NPT		46	
ODFW		87	

Number Tags Processed in 2023 (Table 22)

Species	Fishery	CWT Status	Tags Processed
		Tag Lost Before Read	7
		USFWS	49
		WDFW	185
		YAKA	18
		COL. R. SPORT Total	470
	13 - COL. R. NET	CCF	505
		CCT	15
		CRITFC	2
		DCPUD	125
		HVT	2
		IDFG	17
		No Tag	200
		NPT	486
		ODFW	573
		Tag Lost Before Read	34
		Tag Not Readable	5
		USFWS	582
		WDFW	877
		YAKA	79
		COL. R. NET Total	3,502
	14 - SPRING SPORT	CCF	3
		DCPUD	1
		No Tag	21
		ODFW	179
		Tag Lost Before Read	2
		USFWS	1
		WDFW	2
		YAKA	2
		SPRING SPORT Total	211
	15 - COL. R. TEST	CCF	2
		IDFG	6
		No Tag	22
		ODFW	14
		USFWS	24
		WDFW	2
		YAKA	2
		COL. R. TEST Total	72
	18 - SPAWNING GROUND SURVEY	CCF	2
		No Tag	22
		ODFW	349
		Pseudo Tag, Blank Wire	1
		QUIL	1
		Tag Lost Before Read	7
		Tag Not Readable	2
		SPAWNING GROUND SURVEY Total	384
	21 - ODFW HATCHERY	CCF	129
		CDFW	3
		DCPUD	1
		HVT	34

Number Tags Processed in 2023 (Table 22)

Species	Fishery	CWT Status	Tags Processed
		No Tag	399
		NPT	1
		ODFW	6,746
		Tag Lost Before Read	95
		Tag Not Readable	6
		USFWS	31
		WDFW	22
		ODFW HATCHERY Total	7,467
	24 - FISH TRAP	No Tag	16
		ODFW	586
		Pseudo Tag, Blank Wire	1
		Tag Lost Before Read	6
		WDFW	1
	FISH TRAP Total	610	
	27 - RIVER SPORT	No Tag	1
		RIVER SPORT Total	1
	32 - ESTUARY SPORT	CCF	1
		CCT	1
		CDFW	4
		HVT	1
		IDFG	1
		No Tag	49
		NPT	185
		ODFW	183
		Tag Lost Before Read	3
		Tag Not Readable	1
		USFWS	53
WDFW		172	
YAKA		13	
ESTUARY SPORT Total		667	
40 - MID COLUMBIA RIVER SPORT	IDFG	1	
	No Tag	7	
	ODFW	2	
	USFWS	4	
	MID COLUMBIA RIVER SPORT Total	14	
41 - SALMON RIVER SPORT	ODFW	53	
	SALMON RIVER SPORT Total	53	
47 - ELK RIVER SPORT	ODFW	1	
	ELK RIVER SPORT Total	1	
Chinook Total			16,522
Coho	-	CCF	8
		NPT	2
		ODFW	289
		WDFW	10
		YAKA	3
		Total	312
	10 - OCEAN TROLL	CDFO	1
		COOP	1
		LUMMI	1

Number Tags Processed in 2023 (Table 22)

Species	Fishery	CWT Status	Tags Processed
		No Tag	2
		USFWS	4
		WDFW	16
		OCEAN TROLL Total	25
	11 - OCEAN SPORT	CCF	66
		CDFO	1
		COOP	2
		DCPUD	1
		LUMMI	1
		MAKAH	8
		No Tag	64
		NPT	3
		ODFW	74
		PGST	3
		PUYA	5
		QDNR	12
		SUQ	1
		Tag Lost Before Read	14
		Tag Not Readable	1
		TULA	3
		USFWS	56
		WDFW	872
		YAKA	33
		OCEAN SPORT Total	1,220
	12 - COL. R. SPORT	CCF	3
		No Tag	1
		ODFW	10
		Tag Not Readable	1
		WDFW	34
		YAKA	4
		COL. R. SPORT Total	53
	13 - COL. R. NET	CCF	404
		DCPUD	2
		No Release Record	1
		No Tag	35
		NPT	32
		ODFW	113
		Tag Lost Before Read	7
		USFWS	4
		WDFW	186
		YAKA	250
		COL. R. NET Total	1,034
	18 - SPAWNING GROUND SURVEY	USFWS	1
		SPAWNING GROUND SURVEY Total	1
	21 - ODFW HATCHERY	CCF	88
		HVT	1
		No Tag	81
		ODFW	1,524
		Tag Lost Before Read	22

Number Tags Processed in 2023 (Table 22)

Species	Fishery	CWT Status	Tags Processed		
		USFWS	1		
		WDFW	2		
		YAKA	5		
		ODFW HATCHERY	Total	1,724	
	32 - ESTUARY SPORT		CCF	19	
			No Tag	34	
			NPT	1	
			ODFW	30	
			Tag Lost Before Read	1	
			USFWS	13	
			WDFW	100	
			YAKA	6	
			ESTUARY SPORT	Total	204
			Coho Total		
	Steelhead	-	ODFW	26	
WDFW			1		
Total			27		
12 - COL. R. SPORT			No Tag	1	
			ODFW	15	
			Pseudo Tag, Blank Wire	1	
			Tag Lost Before Read	1	
			USFWS	2	
			WDFW	8	
			COL. R. SPORT	Total	28
13 - COL. R. NET			IDFG	60	
			No Tag	4	
			ODFW	22	
			Pseudo Tag, Blank Wire	1	
			Tag Lost Before Read	1	
			USFWS	24	
			WDFW	17	
			COL. R. NET	Total	129
21 - ODFW HATCHERY			IDFG	1	
			No Tag	8	
			ODFW	313	
			Tag Lost Before Read	7	
			WDFW	1	
	ODFW HATCHERY		Total	330	
24 - FISH TRAP		No Tag	8		
		ODFW	171		
		Tag Lost Before Read	1		
		FISH TRAP	Total	180	
27 - RIVER SPORT		No Tag	1		
		ODFW	32		
		Tag Lost Before Read	1		
		RIVER SPORT	Total	34	
Steelhead Total			728		
All Species Total			21,823		

Table 23. Estimated Number of CWT Recoveries for ODFW Hatchery Releases

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES	STOCK NAME	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
	STOCK CODE					BROOD YEAR	#	SAR (%)	#	SAR (%)	#	SAR (%)	#
CHF	Big Cr												
13	2009	Big Cr	090148	225,203	350,365	279	0.12	74	0.03	446	0.20	800	0.36
13	2009	Big Cr	090323	225,945	3,598,214	376	0.17	210	0.09	350	0.16	937	0.41
13	2009	Klaskanine R NF	092047	52,298	2,093,575	126	0.24	218	0.42	72	0.14	417	0.80
13	2010	Big Cr	090366	229,840	389,606	84	0.04	17	0.01	114	0.05	216	0.09
13	2010	Big Cr	090437	229,462	2,865,514	116	0.05	42	0.02	95	0.04	253	0.11
13	2010	Klaskanine R NF	092050	53,783	1,932,616	5	0.01	23	0.04	10	0.02	38	0.07
13	2011	Big Cr	090566	226,519	339,958	530	0.23	237	0.10	310	0.14	1,077	0.48
13	2011	Big Cr	090567	224,969	400,957	418	0.19	162	0.07	287	0.13	867	0.39
13	2011	Big Cr	090582	221,574	2,527,817	517	0.23	185	0.08	429	0.19	1,131	0.51
13	2011	Big Cr	090583	220,822	346,015	311	0.14	47	0.02	357	0.16	714	0.32
13	2011	Klaskanine R NF	092213	54,729	1,954,732	41	0.07	33	0.06	8	0.01	81	0.15
13	2012	Big Cr	090377	225,678	227,524	287	0.13	48	0.02	505	0.22	840	0.37
13	2012	Big Cr	090702	209,170	2,728,544	454	0.22	140	0.07	412	0.20	1,006	0.48
13	2012	Klaskanine R NF	090367	53,037	1,986,471	74	0.14	85	0.16	24	0.05	184	0.35
13	2013	Big Cr	090449	212,081	213,423	34	0.02	6	0.00	65	0.03	106	0.05
13	2013	Big Cr	090712	212,422	2,624,478	109	0.05	48	0.02	78	0.04	235	0.11
13	2013	Klaskanine R NF	090715	53,629	805,247	14	0.03	8	0.02	1	0.00	24	0.04
13	2014	Big Cr	090823	220,563	3,120,715	299	0.14	124	0.06	217	0.10	639	0.29
13	2014	Klaskanine R NF	090822	51,476	2,047,136	33	0.06	34	0.07	2	0.00	69	0.13
13	2015	Big Cr	090824	224,466	3,090,605	305	0.14	110	0.05	192	0.09	607	0.27
13	2015	Klaskanine R NF	090596	55,009	1,839,769	34	0.06	23	0.04	10	0.02	67	0.12
13	2016	Big Cr	091012	452,517	2,312,352	184	0.04	102	0.02	157	0.03	443	0.10
13	2017	Big Cr	091186	462,393	2,250,280	212	0.05	195	0.04	470	0.10	877	0.19
13	2017	Klaskanine R NF	091008	53,180	1,686,452	4	0.01	28	0.05	7	0.01	39	0.07
13	2018	Big Cr	090569	456,811	1,848,665	698	0.15	416	0.09	1,052	0.23	2,165	0.47
13	2018	Klaskanine R NF	090597	54,084	2,447,240	25	0.05	41	0.08	33	0.06	99	0.18
13	2019	Big Cr	091456	26,181	181,782	17	0.07	9	0.03	27	0.10	54	0.21
13	2019	Big Cr	091460	469,570	1,764,242	1,020	0.22	689	0.15	1,509	0.32	3,218	0.69
13	2019	Klaskanine R NF	090714	56,420	558,797	164	0.29	213	0.38	127	0.22	504	0.89
13	2020	Big Cr	091512	26,162	184,721	26	0.10		0.00	11	0.04	37	0.14
13	2020	Big Cr	091516	462,061	1,216,592	560	0.12	203	0.04	392	0.08	1,155	0.25
13	2020	Klaskanine R NF	091513	54,773	1,177,570	117	0.21	52	0.09	28	0.05	196	0.36
13	2021	Big Cr	091966	26,146	179,120		0.00		0.00	1	0.00	1	0.00
13	2021	Big Cr	092065	445,985	1,191,978	27	0.01	6	0.00	16	0.00	49	0.01
13	2021	Youngs R & Bay	091970	50,959	2,478,636	13	0.03	9	0.02	4	0.01	26	0.05
CHF	Chetco R												
96	2010	Chetco R	090467	32,774	81,855	171	0.52	21	0.06	13	0.04	205	0.63
96	2010	Chetco R	090468	32,503	83,072	144	0.44	12	0.04	11	0.03	167	0.51

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
96	2011	Chetco R	090633	31,928	31,928	176	0.55	7	0.02	12	0.04	195	0.61
96	2011	Chetco R	090634	32,649	122,780	36	0.11	7	0.02	6	0.02	49	0.15
96	2012	Chetco R	090735	37,566	98,303	35	0.09	9	0.02	11	0.03	55	0.15
96	2012	Chetco R	090736	37,990	38,686	66	0.17	9	0.02	11	0.03	86	0.23
96	2013	Chetco R	092660	25,511	156,953	12	0.05	11	0.04	2	0.01	25	0.10
96	2013	Chetco R	092752	25,384	25,744	41	0.16	13	0.05	4	0.02	58	0.23
96	2014	Chetco R	094260	26,416	163,262	11	0.04	4	0.02	2	0.01	17	0.06
96	2014	Chetco R	094261	26,423	26,799	22	0.08	2	0.01	8	0.03	32	0.12
96	2015	Chetco R	094163	25,684	177,236	49	0.19	3	0.01	13	0.05	65	0.25
96	2015	Chetco R	094509	25,798	27,156	42	0.16	5	0.02	9	0.04	56	0.22
96	2016	Chetco R	090819	25,500	86,955	5	0.02	6	0.02	3	0.01	14	0.05
96	2016	Chetco R	090820	25,982	25,982	40	0.15	17	0.07	12	0.05	69	0.27
96	2017	Chetco R	091205	22,336	147,040	41	0.19	6	0.03		0.00	47	0.21
96	2017	Chetco R	091233	27,022	27,071	59	0.22	12	0.04	2	0.01	73	0.27
96	2018	Chetco R	091298	12,438	12,460	148	1.19	16	0.13	11	0.09	175	1.41
96	2018	Chetco R	091299	27,205	121,123	173	0.63	21	0.08	12	0.04	206	0.76
96	2019	Chetco R	091466	27,443	90,127	30	0.11	5	0.02	3	0.01	38	0.14
96	2019	Chetco R	091478	26,868	27,166	34	0.13	7	0.03	3	0.01	44	0.16
96	2020	Chetco R	091531	27,069	187,585	2	0.01	1	0.00		0.00	3	0.01
96	2020	Chetco R	091532	15,691	15,982	5	0.03	2	0.01		0.00	7	0.04
96	2021	Chetco R	091777	24,189	24,458	2	0.01		0.00		0.00	2	0.01
CHF	Col R Tules												
60	2009	Tanner Cr	090326	169,767	2,869,669	113	0.07	54	0.03	219	0.13	387	0.23
60	2010	Tanner Cr	090486	170,842	2,753,210	97	0.06	83	0.05	190	0.11	370	0.22
60	2011	Tanner Cr	090571	171,083	2,687,942	271	0.16	157	0.09	424	0.25	852	0.50
60	2012	Tanner Cr	090568	168,873	2,784,983	202	0.12	122	0.07	431	0.26	754	0.45
60	2013	Tanner Cr	055430	105,582	913,983	19	0.02	8	0.01	65	0.06	93	0.09
60	2013	Tanner Cr	055476	100,470	1,294,025	31	0.03	17	0.02	61	0.06	109	0.11
60	2013	Tanner Cr	090864	164,113	2,258,584	19	0.01	10	0.01	37	0.02	66	0.04
CHF	Col R URB												
95	2009	Tanner Cr	092048	52,535	1,993,826	312	0.59	285	0.54	802	1.53	1,399	2.66
95	2010	Tanner Cr	092049	54,239	2,067,280	527	0.97	456	0.84	924	1.70	1,907	3.52
95	2011	Tanner Cr	090146	55,476	2,125,176	140	0.25	117	0.21	250	0.45	507	0.91
95	2012	Tanner Cr	090365	54,347	2,197,246	224	0.41	83	0.15	354	0.65	660	1.22
CHF	Coos R												
37	2009	Millicoma R W Fk	090144	30,601	99,576	102	0.33	9	0.03	16	0.05	126	0.41
37	2009	Morgan Cr	090143	31,335	759,689	59	0.19	6	0.02	73	0.23	138	0.44
37	2009	Morgan Cr	092948	32,017	432,138	97	0.30	10	0.03	148	0.46	255	0.80
37	2009	Noble Cr	090145	29,427	634,983	52	0.18		0.00	68	0.23	121	0.41
37	2010	Millicoma R W Fk	090443	30,324	100,164	117	0.39	5	0.02	20	0.07	142	0.47
37	2010	Morgan Cr	090442	34,082	614,350	120	0.35	8	0.02	118	0.35	246	0.72
37	2010	Morgan Cr	094523	33,514	673,148	55	0.16	7	0.02	81	0.24	142	0.43

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
37	2010	Noble Cr	090444	32,690	595,000	102	0.31	11	0.03	139	0.43	252	0.77
37	2011	Millicoma R W Fk	071140	30,322	99,760	62	0.20	1	0.00	8	0.03	71	0.23
37	2011	Morgan Cr	071139	34,681	960,869	41	0.12		0.00	43	0.12	84	0.24
37	2011	Morgan Cr	092361	31,850	141,476	104	0.33	5	0.02	67	0.21	176	0.55
37	2011	Noble Cr	071156	35,697	605,041	97	0.27	1	0.00	122	0.34	220	0.62
37	2012	Millicoma R W Fk	092046	33,833	95,304	130	0.38	11	0.03	9	0.03	150	0.44
37	2012	Morgan Cr	092051	35,102	457,133	64	0.18	2	0.01	111	0.32	177	0.50
37	2012	Morgan Cr	092055	34,634	840,591	153	0.44	7	0.02	197	0.57	356	1.03
37	2012	Noble Cr	092033	34,741	569,479	50	0.15		0.00	119	0.34	169	0.49
37	2013	Millicoma R W Fk	094134	42,105	99,328	62	0.15	1	0.00	1	0.00	64	0.15
37	2013	Morgan Cr	070940	45,594	1,021,600	10	0.02		0.00	23	0.05	33	0.07
37	2013	Morgan Cr	094340	39,713	432,874	12	0.03		0.00	11	0.03	23	0.06
37	2013	Noble Cr	092618	43,806	611,085	32	0.07		0.00	55	0.13	87	0.20
37	2014	Morgan Cr	090898	32,293	180,410	83	0.26	1	0.00	82	0.25	166	0.52
37	2014	Morgan Cr	090899	33,256	777,977	20	0.06		0.00	27	0.08	47	0.14
37	2014	Noble Cr	090901	33,351	630,765	13	0.04	1	0.00	38	0.11	52	0.16
37	2014	Pony Cr	090897	33,667	102,332	58	0.17	1	0.00	5	0.01	64	0.19
37	2015	Morgan Cr	090170	33,006	154,960	29	0.09	2	0.01	27	0.08	58	0.17
37	2015	Morgan Cr	090844	32,931	820,069	15	0.05	1	0.00	21	0.06	37	0.11
37	2015	Noble Cr	090741	31,435	612,018	23	0.07	1	0.00	24	0.08	48	0.15
37	2015	Pony Cr	090843	29,044	126,280	13	0.04		0.00	3	0.01	16	0.05
37	2016	Morgan Cr	091161	31,031	201,502	47	0.15	1	0.00	48	0.15	95	0.31
37	2016	Morgan Cr	091162	32,367	976,909	28	0.09		0.00	40	0.12	67	0.21
37	2016	Noble Cr	091163	32,884	519,829	83	0.25	1	0.00	118	0.36	202	0.61
37	2016	Pony Cr	091160	33,233	101,984	49	0.15	1	0.00	3	0.01	53	0.16
37	2017	Morgan Cr	091216	31,476	428,250	3	0.01		0.00	6	0.02	9	0.03
37	2017	Morgan Cr	091217	32,326	366,511	22	0.07		0.00	8	0.03	30	0.09
37	2017	Noble Cr	091218	32,336	517,147	27	0.08		0.00	35	0.11	62	0.19
37	2017	Pony Cr	091215	32,876	109,500	10	0.03		0.00		0.00	10	0.03
37	2018	Morgan Cr	091331	34,014	608,047	34	0.10		0.00	40	0.12	74	0.22
37	2018	Noble Cr	091330	33,490	327,245	34	0.10		0.00	73	0.22	107	0.32
37	2018	Pony Cr	091328	33,803	56,339	47	0.14	1	0.00	6	0.02	54	0.16
37	2019	Coos R SF	091384	33,089	203,000	68	0.21		0.00	7	0.02	75	0.23
37	2019	Morgan Cr	091118	31,979	131,644	139	0.43	6	0.02	145	0.45	290	0.91
37	2019	Morgan Cr	091326	31,985	195,992	77	0.24	1	0.00	94	0.30	173	0.54
37	2019	Noble Cr	091337	33,560	530,900	72	0.21	1	0.00	323	0.96	396	1.18
37	2020	Morgan Cr	091117	33,754	205,154		0.00		0.00	5	0.02	5	0.02
37	2020	Morgan Cr	091558	33,145	97,822		0.00		0.00	1	0.00	1	0.00
37	2020	Morgan Cr	091560	33,464	693,423	3	0.01		0.00	15	0.05	18	0.05
37	2020	Noble Cr	091561	32,200	431,459	5	0.01		0.00	33	0.10	37	0.12
37	2020	Pony Cr	091559	32,574	246,309	2	0.01		0.00	4	0.01	6	0.02
37	2021	Morgan Cr	091865	32,109	199,436		0.00		0.00	29	0.09	29	0.09

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES	STOCK NAME	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
37	2021	Morgan Cr	091866	31,819	282,736		0.00	1	0.00	21	0.07	22	0.07
37	2021	Morgan Cr	091987	16,583	236,110		0.00		0.00	1	0.01	1	0.01
37	2021	Noble Cr	091868	28,435	189,074		0.00	1	0.00	23	0.08	24	0.08
CHF	Coquille R												
44	2018	Ferry Cr	091329	31,507	62,452	108	0.34	1	0.00	49	0.16	158	0.50
44	2019	Ferry Cr	091495	33,288	63,702	96	0.29	1	0.00	30	0.09	126	0.38
44	2020	Ferry Cr	094426	9,371	9,371		0.00	1	0.01	110	1.18	111	1.19
CHF	Elk R												
35	2009	Elk R	090342	215,167	282,977	3,095	1.44	1,197	0.56	3,623	1.68	7,915	3.68
35	2010	Elk R	090281	311,130	312,380	1,543	0.50	469	0.15	1,843	0.59	3,855	1.24
35	2011	Elk R	090431	323,328	323,328	903	0.28	505	0.16	1,845	0.57	3,253	1.01
35	2012	Elk R	090718	320,956	324,071	2,617	0.82	1,478	0.46	5,540	1.73	9,636	3.00
35	2013	Elk R	090653	296,624	313,888	386	0.13	197	0.07	972	0.33	1,554	0.52
35	2014	Elk R	090920	240,503	245,913	412	0.17	199	0.08	712	0.30	1,323	0.55
35	2015	Elk R	091052	239,393	251,993	992	0.41	294	0.12	1,290	0.54	2,576	1.08
35	2016	Elk R	091180	259,352	259,612	1,478	0.57	1,158	0.45	3,279	1.26	5,915	2.28
35	2017	Elk R	091210	33,076	33,076	216	0.65	138	0.42	299	0.90	652	1.97
35	2017	Elk R	091211	31,153	31,153	233	0.75	160	0.51	376	1.21	769	2.47
35	2017	Elk R	091212	31,856	32,029	160	0.50	98	0.31	346	1.09	604	1.90
35	2017	Elk R	091213	31,385	31,416	212	0.68	193	0.61	304	0.97	709	2.26
35	2017	Elk R	091234	135,425	135,425	736	0.54	482	0.36	1,321	0.98	2,539	1.87
35	2017	Elk R	091282	20,662	22,403	292	1.41	223	1.08	434	2.10	949	4.59
35	2018	Elk R	091289	19,986	22,166	91	0.46	116	0.58	321	1.60	528	2.64
35	2018	Elk R	091333	31,049	31,111	133	0.43	97	0.31	172	0.55	403	1.30
35	2018	Elk R	091334	30,956	31,110	148	0.48	127	0.41	198	0.64	474	1.53
35	2018	Elk R	091335	30,890	30,890	137	0.44	121	0.39	215	0.70	473	1.53
35	2018	Elk R	091336	30,743	30,805	214	0.70	157	0.51	236	0.77	606	1.97
35	2018	Elk R	091349	139,431	140,329	592	0.42	361	0.26	800	0.57	1,752	1.26
35	2019	Elk R	091461	15,998	16,291	63	0.39	5	0.03	44	0.27	112	0.70
35	2019	Elk R	091483	29,736	29,946	156	0.53	37	0.12	67	0.23	261	0.88
35	2019	Elk R	091484	29,846	30,008	207	0.69	31	0.11	65	0.22	303	1.02
35	2019	Elk R	091485	29,544	30,147	125	0.42	58	0.20	95	0.32	278	0.94
35	2019	Elk R	091486	29,687	30,200	206	0.69	62	0.21	46	0.15	314	1.06
35	2019	Elk R	091487	29,519	29,817	207	0.70	58	0.20	56	0.19	321	1.09
35	2019	Elk R	091488	28,860	29,299	184	0.64	37	0.13	68	0.24	289	1.00
35	2019	Elk R	091489	29,931	30,326	202	0.68	46	0.15	68	0.23	316	1.06
35	2019	Elk R	091490	29,854	30,064	167	0.56	47	0.16	89	0.30	303	1.02
35	2019	Elk R	091491	29,794	29,914	144	0.48	42	0.14	70	0.24	257	0.86
35	2020	Elk R	091517	16,157	16,300	26	0.16	66	0.41	76	0.47	167	1.04
35	2020	Elk R	091548	30,667	30,722	4	0.01	5	0.02		0.00	10	0.03
35	2020	Elk R	091549	30,559	30,781	2	0.01	5	0.02	2	0.01	9	0.03
35	2020	Elk R	091550	30,003	30,003	3	0.01		0.00	1	0.00	4	0.01

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
35	2020	Elk R	091551	30,388	30,779	9	0.03		0.00	5	0.02	14	0.05
35	2020	Elk R	091552	29,154	29,583	5	0.02		0.00	2	0.01	7	0.02
35	2020	Elk R	091553	29,137	30,010	9	0.03	5	0.02	3	0.01	18	0.06
35	2020	Elk R	091554	30,060	30,561	4	0.01		0.00	3	0.01	7	0.02
35	2020	Elk R	091555	29,181	29,886	9	0.03		0.00	4	0.01	13	0.04
35	2020	Elk R	091556	20,443	20,860	17	0.08	5	0.03	2	0.01	24	0.12
35	2021	Elk R	091984	29,218	29,332	1	0.00		0.00		0.00	1	0.00
CHF	Gardiner Cr												
151	2020	Umpqua R	091547	24,509	31,063	11	0.04		0.00		0.00	11	0.04
CHF	L White URB												
110	2015	Umatilla R	090981	170,546	173,629	108	0.06	154	0.09	254	0.15	516	0.30
110	2015	Umatilla R	091003	119,438	121,876		0.00	8	0.01	1	0.00	9	0.01
110	2015	Umatilla R	091004	234,301	235,241		0.00		0.00	2	0.00	2	0.00
110	2015	Umatilla R	091005	438,136	439,896	25	0.01	24	0.01	37	0.01	86	0.02
110	2015	Umatilla R	091010	167,390	171,003	64	0.04	148	0.09	140	0.08	352	0.21
110	2017	Umatilla R	091183	163,665	165,535	109	0.07	96	0.06	140	0.09	345	0.21
110	2017	Umatilla R	091184	169,160	170,489	122	0.07	136	0.08	153	0.09	410	0.24
110	2020	Umatilla R	091664	64,883	195,704	3	0.00	1	0.00	9	0.01	13	0.02
110	2020	Umatilla R	091665	63,747	565,480	2	0.00		0.00	7	0.01	10	0.02
CHF	Rogue R												
52	2009	Klaskanine R SF	090337	27,591	685,056	155	0.56	335	1.22	70	0.25	560	2.03
52	2009	Youngs R & Bay	094151	27,114	229,105	91	0.33	486	1.79	9	0.03	585	2.16
52	2010	Klaskanine R SF	090441	28,240	672,829	181	0.64	379	1.34	147	0.52	707	2.50
52	2010	Youngs R & Bay	090368	24,762	684,030	168	0.68	552	2.23	10	0.04	730	2.95
52	2011	Klaskanine R SF	090595	31,299	704,594	36	0.12	50	0.16	9	0.03	95	0.30
52	2011	Youngs R & Bay	090584	31,212	653,452	151	0.48	288	0.92	6	0.02	444	1.42
52	2012	Klaskanine R NF	090710	31,652	481,663	4	0.01	59	0.19	29	0.09	93	0.29
52	2012	Klaskanine R SF	090716	30,495	680,806	32	0.10	145	0.48	18	0.06	195	0.64
52	2012	Youngs R & Bay	090711	25,189	687,801	29	0.12	278	1.11	1	0.00	309	1.23
52	2013	Klaskanine R NF	071250	24,497	822,825	7	0.03	24	0.10	8	0.03	39	0.16
52	2013	Klaskanine R SF	090821	28,816	697,554	34	0.12	58	0.20	13	0.05	105	0.36
52	2013	Youngs R & Bay	071244	27,203	706,974	11	0.04	137	0.51	1	0.00	149	0.55
52	2014	Klaskanine R NF	094162	26,887	525,600		0.00		0.00	2	0.01	2	0.01
52	2014	Klaskanine R SF	090885	27,092	672,387	9	0.03	27	0.10	7	0.03	42	0.16
52	2014	Youngs R & Bay	094155	26,620	472,678	97	0.36	401	1.50	6	0.02	504	1.89
52	2015	Klaskanine R NF	091006	25,468	461,441	27	0.10	54	0.21	30	0.12	111	0.43
52	2015	Klaskanine R SF	091007	27,726	160,487	46	0.17	167	0.60	25	0.09	238	0.86
52	2016	Klaskanine R NF	091136	108,056	599,463	30	0.03	52	0.05	44	0.04	127	0.12
52	2017	Klaskanine R NF	094524	100,311	300,460	15	0.02	72	0.07	48	0.05	136	0.14
52	2018	Klaskanine R NF	091284	36,521	391,525	47	0.13	123	0.34	92	0.25	262	0.72
52	2019	Klaskanine R NF	091497	53,663	53,877	167	0.31	528	0.98	337	0.63	1,032	1.92
52	2019	Klaskanine R NF	091498	42,283	42,359	31	0.07	146	0.34	157	0.37	333	0.79

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
52	2019	Klaskanine R NF	093629	99,799	99,979	106	0.11	349	0.35	323	0.32	778	0.78
52	2020	Klaskanine R NF	091510	25,065	42,404	13	0.05	70	0.28	30	0.12	113	0.45
52	2020	Klaskanine R NF	091511	25,814	44,921	25	0.10	97	0.38	58	0.22	180	0.70
52	2021	Klaskanine R NF	091967	24,259	66,655		0.00	10	0.04	18	0.07	28	0.12
52	2021	Klaskanine R NF	091968	23,558	717,937		0.00		0.00	5	0.02	5	0.02
CHF	Rogue R Lwr												
61	2016	Rogue R 1	091152	26,074	40,224	9	0.03	6	0.02	7	0.03	22	0.08
61	2017	Rogue R 1	091206	24,249	85,943	17	0.07	10	0.04	2	0.01	29	0.12
61	2018	Rogue R 1	091308	26,107	27,348	85	0.33	35	0.13	8	0.03	128	0.49
61	2020	Rogue R 1	092746	16,726	68,558		0.00	1	0.01		0.00	1	0.01
61	2020	Rogue R 1	094341	10,831	10,831		0.00	2	0.02		0.00	2	0.02
CHF	Sal R Wild												
36W	2011	Salmon R	093655	10,350	11,129	17	0.16		0.00	50	0.48	66	0.64
36W	2011	Salmon R	093656	10,350	11,130	83	0.80	77	0.75	278	2.69	439	4.24
36W	2012	Salmon R	093651	22,479	23,416	170	0.76	60	0.27	623	2.77	853	3.79
36W	2012	Salmon R	093652	6,439	6,707	79	1.22	14	0.22	297	4.61	390	6.06
36W	2013	Salmon R	093653	23,145	23,569	174	0.75	57	0.25	441	1.91	672	2.90
36W	2014	Salmon R	093654	19,841	20,776	202	1.02	23	0.12	244	1.23	469	2.37
36W	2015	Salmon R	091082	25,334	27,687	121	0.48	27	0.10	247	0.98	395	1.56
CHF	Salmon R												
36	2009	Salmon R	090343	180,219	180,219	2,330	1.29	2,166	1.20	5,011	2.78	9,508	5.28
36	2010	Salmon R	090448	191,354	191,354	2,386	1.25	1,968	1.03	6,313	3.30	10,666	5.57
36	2011	Salmon R	090599	202,057	206,602	1,906	0.94	1,698	0.84	4,868	2.41	8,472	4.19
36	2012	Salmon R	090713	231,398	232,054	3,836	1.66	2,838	1.23	8,510	3.68	15,184	6.56
36	2013	Salmon R	090862	211,015	214,695	1,264	0.60	465	0.22	2,272	1.08	4,002	1.90
36	2014	Salmon R	090919	156,150	156,150	466	0.30	152	0.10	306	0.20	924	0.59
36	2015	Salmon R	091018	11,845	11,845	3	0.02		0.00	14	0.12	16	0.14
36	2015	Salmon R	091051	183,202	186,429	105	0.06	39	0.02	354	0.19	499	0.27
36	2016	Salmon R	091178	218,258	222,667	982	0.45	679	0.31	2,339	1.07	4,000	1.83
36	2017	Salmon R	091235	224,292	230,279	1,114	0.50	466	0.21	1,607	0.72	3,188	1.42
36	2018	Salmon R	091350	168,776	181,086	862	0.51	318	0.19	1,115	0.66	2,295	1.36
36	2019	Salmon R	091503	205,419	208,952	1,801	0.88	414	0.20	2,622	1.28	4,837	2.35
36	2020	Salmon R	091580	205,704	207,323	98	0.05	26	0.01	305	0.15	429	0.21
36	2021	Salmon R	091965	221,422	221,422		0.00		0.00	31	0.01	31	0.01
CHF	Snake R												
97	2009	Snake R-Hells Canyon	090331	209,572	685,627	554	0.26	621	0.30	150	0.07	1,325	0.63
97	2010	Grande Ronde R 1	635999	199,594	397,428	193	0.10	270	0.14	40	0.02	503	0.25
97	2010	Snake R-Hells Canyon	090447	195,811	638,900	159	0.08	205	0.10	54	0.03	418	0.21
97	2011	Snake R-Hells Canyon	090587	201,117	800,400	672	0.33	597	0.30	76	0.04	1,345	0.67
97	2012	Grande Ronde R 1	636576	217,319	401,273	308	0.14	281	0.13	59	0.03	649	0.30
97	2012	Snake R-Hells Canyon	090703	228,210	879,745	295	0.13	244	0.11	22	0.01	561	0.25
97	2013	Snake R-Hells Canyon	090818	191,617	911,614	173	0.09	196	0.10	51	0.03	419	0.22

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
97	2014	Grande Ronde R 1	636883	200,160	456,101	325	0.16	273	0.14	61	0.03	659	0.33
97	2014	Snake R-Hells Canyon	090888	244,610	1,046,768	194	0.08	269	0.11	83	0.03	546	0.22
97	2015	Snake R-Hells Canyon	091013	247,407	1,041,185	132	0.05	110	0.04	44	0.02	286	0.12
97	2016	Grande Ronde R 1	637199	196,093	424,393	99	0.05	147	0.08	46	0.02	292	0.15
97	2017	Grande Ronde R 1	637395	204,636	417,821	171	0.08	161	0.08	95	0.05	427	0.21
97	2018	Grande Ronde R 1	637420	211,904	211,904	334	0.16	307	0.15	130	0.06	772	0.36
97	2019	Grande Ronde R 2	637759	224,908	225,585	208	0.09	218	0.10	6	0.00	432	0.19
97	2019	Snake R-Hells Canyon	091459	218,365	1,044,093	420	0.19	561	0.26	44	0.02	1,024	0.47
97	2020	Grande Ronde R 2	637941	173,108	173,108	22	0.01	44	0.03	1	0.00	67	0.04
97	2020	Snake R-Hells Canyon	091579	225,233	1,020,633	60	0.03	55	0.02	7	0.00	121	0.05
97	2021	Snake R-Hells Canyon	092064	209,901	816,983		0.00	16	0.01		0.00	16	0.01
CHF	Snake R. X												
97X	2013	Grande Ronde R 1	636739	192,145	403,926	174	0.09	218	0.11	61	0.03	454	0.24
97X	2015	Grande Ronde R 1	637037	200,046	429,889	5	0.00	43	0.02	2	0.00	50	0.03
CHF	Tanner Cr												
14	2014	Tanner Cr	090922	150,734	1,226,051	257	0.17	142	0.09	444	0.29	843	0.56
14	2014	Tanner Cr	090947	43,726	340,453		0.00	16	0.04	6	0.01	22	0.05
14	2014	Tanner Cr	090948	26,210	195,214		0.00		0.00	7	0.03	7	0.03
14	2015	Tanner Cr	091009	160,298	1,582,652	84	0.05	52	0.03	190	0.12	325	0.20
14	2015	Tanner Cr	091034	16,805	121,606		0.00		0.00	3	0.02	3	0.02
14	2015	Tanner Cr	091037	42,916	404,466	1	0.00		0.00	1	0.00	2	0.00
14	2016	Tanner Cr	091137	167,037	1,674,313	40	0.02	18	0.01	138	0.08	197	0.12
14	2016	Tanner Cr	091157	25,887	205,097		0.00		0.00	-	0.00	-	0.00
14	2016	Tanner Cr	091169	54,119	419,674		0.00		0.00	1	0.00	1	0.00
14	2017	Tanner Cr	091182	169,646	1,677,370	128	0.08	137	0.08	768	0.45	1,033	0.61
14	2017	Tanner Cr	091226	50,103	398,818	8	0.02	5	0.01	24	0.05	38	0.08
14	2017	Tanner Cr	637228	163,037	1,658,664	89	0.05	89	0.05	251	0.15	429	0.26
14	2018	Tanner Cr	091285	171,443	1,448,055	154	0.09	104	0.06	318	0.19	577	0.34
14	2018	Tanner Cr	091341	30,027	417,518	28	0.09	8	0.03	36	0.12	72	0.24
14	2018	Tanner Cr	637411	192,246	1,747,205	97	0.05	55	0.03	107	0.06	259	0.13
14	2019	Tanner Cr	091458	173,129	1,831,425	684	0.40	410	0.24	2,509	1.45	3,604	2.08
14	2019	Tanner Cr	094702	54,643	411,276	5	0.01	5	0.01	17	0.03	27	0.05
14	2019	Tanner Cr	637418	199,645	1,369,518	44	0.02	37	0.02	95	0.05	176	0.09
14	2020	Tanner Cr	091514	52,076	405,468	3	0.01		0.00	1	0.00	4	0.01
14	2020	Tanner Cr	091515	166,139	1,934,122	162	0.10	118	0.07	403	0.24	683	0.41
14	2021	Tanner Cr	091971	165,505	1,729,487	41	0.02	35	0.02	172	0.10	248	0.15
CHF	Trask R												
34	2010	Trask R	090445	32,072	116,314	272	0.85	10	0.03	118	0.37	399	1.24
34	2011	Trask R	092360	36,148	115,496	344	0.95	10	0.03	354	0.98	707	1.96
34	2012	Trask R	094634	32,496	115,625	419	1.29	11	0.03	437	1.34	867	2.67
34	2013	Trask R	090782	32,902	111,750	107	0.32	12	0.04	124	0.38	243	0.74
34	2014	Trask R	090902	33,402	153,032	142	0.43	11	0.03	99	0.30	253	0.76

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
34	2015	Trask R	090176	33,515	155,975	44	0.13	2	0.01	44	0.13	90	0.27
34	2016	Trask R	091164	34,637	158,914	47	0.14	5	0.01	18	0.05	70	0.20
34	2017	Trask R	091219	32,114	160,492	88	0.27	2	0.01	17	0.05	107	0.33
34	2018	Trask R	091332	31,360	162,519	229	0.73	5	0.02	31	0.10	265	0.84
34	2019	Trask R	091119	32,471	121,161	240	0.74	3	0.01	42	0.13	285	0.88
34	2020	Trask R	091562	33,080	166,375	4	0.01		0.00	1	0.00	5	0.02
CHF	Umatilla R												
91	2009	Umatilla R	090327	161,815	162,451	284	0.18	425	0.26	179	0.11	887	0.55
91	2009	Umatilla R	090328	157,373	160,520	260	0.17	424	0.27	152	0.10	836	0.53
91	2009	Umatilla R	090329	159,167	160,962	257	0.16	296	0.19	183	0.12	736	0.46
91	2009	Umatilla R	090330	160,612	161,555	230	0.14	342	0.21	127	0.08	699	0.44
91	2009	Umatilla R	090355	261,953	263,607	105	0.04	41	0.02	136	0.05	282	0.11
91	2009	Umatilla R	090356	193,722	194,098	109	0.06	192	0.10	80	0.04	382	0.20
91	2010	Umatilla R	090433	138,055	141,160	352	0.25	706	0.51	363	0.26	1,420	1.03
91	2010	Umatilla R	090434	138,007	138,840	373	0.27	562	0.41	315	0.23	1,250	0.91
91	2010	Umatilla R	090435	141,332	141,615	429	0.30	595	0.42	339	0.24	1,363	0.96
91	2010	Umatilla R	090436	140,958	141,240	368	0.26	541	0.38	274	0.19	1,184	0.84
91	2010	Umatilla R	090489	50,751	50,751	204	0.40	230	0.45	152	0.30	587	1.16
91	2010	Umatilla R	090490	45,937	46,626	169	0.37	168	0.36	143	0.31	480	1.04
91	2010	Umatilla R	090491	45,148	47,325	138	0.31	221	0.49	110	0.24	469	1.04
91	2010	Umatilla R	090492	90,390	90,936	318	0.35	436	0.48	367	0.41	1,122	1.24
91	2010	Umatilla R	090493	254,769	258,648	276	0.11	85	0.03	200	0.08	562	0.22
91	2011	Umatilla R	090585	154,611	162,420	189	0.12	185	0.12	91	0.06	465	0.30
91	2011	Umatilla R	090586	166,448	173,841	131	0.08	175	0.11	91	0.05	397	0.24
91	2011	Umatilla R	090654	50,017	50,420	106	0.21	110	0.22	42	0.08	258	0.52
91	2011	Umatilla R	090655	50,725	51,031	120	0.24	118	0.23	77	0.15	315	0.62
91	2011	Umatilla R	090656	36,855	37,227	64	0.17	55	0.15	88	0.24	207	0.56
91	2011	Umatilla R	090657	89,027	89,745	188	0.21	253	0.28	217	0.24	658	0.74
91	2011	Umatilla R	090658	223,550	223,998	80	0.04	86	0.04	116	0.05	281	0.13
91	2012	Umatilla R	090682	229,652	236,711	89	0.04	29	0.01	57	0.02	176	0.08
91	2012	Umatilla R	090683	104,283	104,872	107	0.10	147	0.14	186	0.18	440	0.42
91	2012	Umatilla R	090684	49,466	50,877	58	0.12	38	0.08	64	0.13	159	0.32
91	2012	Umatilla R	090685	52,836	54,331	15	0.03		0.00	15	0.03	30	0.06
91	2012	Umatilla R	090686	35,555	36,548	35	0.10	48	0.14	14	0.04	97	0.27
91	2012	Umatilla R	090704	141,035	141,438	200	0.14	220	0.16	206	0.15	627	0.44
91	2012	Umatilla R	090705	166,640	167,630	239	0.14	271	0.16	252	0.15	761	0.46
91	2013	Umatilla R	090816	169,217	171,717	70	0.04	122	0.07	100	0.06	291	0.17
91	2013	Umatilla R	090817	163,114	164,829	82	0.05	159	0.10	97	0.06	338	0.21
91	2013	Umatilla R	090866	50,393	50,494	27	0.05	12	0.02	29	0.06	69	0.14
91	2013	Umatilla R	090867	35,771	35,771	10	0.03	20	0.05	16	0.05	46	0.13
91	2013	Umatilla R	090868	28,925	28,925	20	0.07	33	0.11	15	0.05	68	0.23
91	2013	Umatilla R	090869	103,895	103,895	2	0.00	21	0.02	14	0.01	37	0.04

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
91	2013	Umatilla R	090870	210,611	211,882	36	0.02	135	0.06	94	0.04	266	0.13
91	2013	Umatilla R	090871	114,767	115,460	37	0.03	77	0.07	96	0.08	209	0.18
91	2014	Umatilla R	090917	161,668	161,668	69	0.04	54	0.03	34	0.02	157	0.10
91	2014	Umatilla R	090944	483,912	487,457	476	0.10	577	0.12	703	0.15	1,756	0.36
91	2014	Umatilla R	090945	229,039	230,714	351	0.15	635	0.28	609	0.27	1,595	0.70
91	2014	Umatilla R	090946	106,112	106,305	182	0.17	287	0.27	254	0.24	722	0.68
91	2018	Umatilla R	091177	163,716	571,069	140	0.09	187	0.11	235	0.14	562	0.34
91	2018	Umatilla R	091401	64,585	697,807	138	0.21	136	0.21	52	0.08	326	0.51
91	2018	Umatilla R	091402	65,516	207,298	172	0.26	171	0.26	75	0.12	418	0.64
91	2018	Umatilla R	091403	120,810	121,472	333	0.28	194	0.16	73	0.06	599	0.50
91	2019	Umatilla R	091405	166,597	621,877	326	0.20	215	0.13	238	0.14	778	0.47
91	2021	Umatilla R	091999	164,215	622,587	13	0.01	6	0.00		0.00	19	0.01
CHF	WA Brights												
45	2016	Umatilla R	091011	169,671	170,992	48	0.03	79	0.05	81	0.05	209	0.12
45	2016	Umatilla R	091084	174,325	176,531	62	0.04	82	0.05	78	0.04	222	0.13
45	2016	Umatilla R	091133	101,265	102,807		0.00		0.00	2	0.00	2	0.00
45	2016	Umatilla R	091134	251,437	253,337	4	0.00	6	0.00	9	0.00	19	0.01
45	2016	Umatilla R	091135	493,893	495,877	1	0.00		0.00	2	0.00	3	0.00
45	2017	Umatilla R	091276	214,695	220,200	57	0.03	93	0.04	96	0.04	246	0.11
45	2017	Umatilla R	091277	204,497	206,563	62	0.03	102	0.05	146	0.07	311	0.15
45	2017	Umatilla R	091278	185,785	187,662	39	0.02	11	0.01	43	0.02	93	0.05
45	2017	Umatilla R	091279	208,019	211,268	112	0.05	95	0.05	93	0.04	300	0.14
45	2017	Umatilla R	091280	126,782	129,726	73	0.06	61	0.05	71	0.06	205	0.16
45	2019	Umatilla R	091453	61,189	555,625	15	0.03	12	0.02	2	0.00	30	0.05
45	2019	Umatilla R	091454	63,392	195,687	13	0.02	12	0.02	6	0.01	31	0.05
45	2019	Umatilla R	091455	124,406	124,406	74	0.06	72	0.06	53	0.04	199	0.16
45	2020	Umatilla R	091578	168,215	592,995	58	0.03	87	0.05	21	0.01	166	0.10
CHF	Washougal												
300	2014	Klaskanine R NF	636796	95,296	2,071,656	45	0.05	120	0.13	34	0.04	198	0.21
300	2015	Klaskanine R NF	636922	96,129	963,212	44	0.05	113	0.12	100	0.10	257	0.27
CHM	Gorley Cr												
104	2012	Big Cr	090706	29,650	29,650		0.00		0.00	2	0.01	2	0.01
104	2012	Big Cr	090707	29,753	29,753		0.00		0.00	2	0.01	2	0.01
104	2012	Big Cr	090708	28,478	28,478		0.00		0.00	3	0.01	3	0.01
104	2012	Big Cr	090709	20,621	20,621		0.00		0.00	-	0.00	-	0.00
CHS	Carson, WA												
75	2009	Walla Walla R	615400	50,305	232,654		0.00	4	0.01		0.00	4	0.01
75	2010	S Fk Walla Walla	615401	49,861	248,961		0.00	18	0.04		0.00	18	0.04
75	2011	Walla Walla R	615402	49,796	248,783		0.00		0.00	-	0.00	-	0.00
75	2012	Walla Walla R	615403	50,106	248,544		0.00	6	0.01		0.00	6	0.01
75	2013	S Fk Walla Walla	615405	24,878	134,820		0.00	1	0.00		0.00	1	0.00
75	2013	Walla Walla R	615404	50,099	247,545		0.00	14	0.03		0.00	14	0.03

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						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
75	2015	Walla Walla R	615406	50,110	248,886		0.00		0.00	-	0.00	-	0.00
75	2016	S Fk Walla Walla	615407	52,296	261,480		0.00		0.00	-	0.00	-	0.00
75	2019	S Fk Walla Walla	610196	40,585	233,951		0.00		0.00	-	0.00	-	0.00
CHS	Catherine Cr												
201	2009	Catherine Cr	090288	54,805	58,738		0.00	19	0.03	57	0.10	76	0.14
201	2009	Catherine Cr	090378	95,683	96,738		0.00	24	0.03	31	0.03	55	0.06
201	2010	Catherine Cr	090380	50,861	81,344		0.00	40	0.08	107	0.21	147	0.29
201	2010	Catherine Cr	090381	52,048	80,029		0.00	39	0.07	134	0.26	172	0.33
201	2011	Catherine Cr	090432	43,590	66,696		0.00	12	0.03	65	0.15	77	0.18
201	2011	Catherine Cr	090540	43,481	66,937		0.00	23	0.05	73	0.17	96	0.22
201	2012	Catherine Cr	090754	46,062	69,108		0.00	43	0.09	50	0.11	93	0.20
201	2012	Catherine Cr	090755	46,127	69,262		0.00	6	0.01	48	0.10	54	0.12
201	2013	Catherine Cr	090793	37,580	78,130		0.00	27	0.07	38	0.10	66	0.17
201	2013	Catherine Cr	090794	34,547	34,681		0.00	14	0.04	21	0.06	35	0.10
201	2013	Catherine Cr	090795	33,346	33,416		0.00	15	0.05	21	0.06	36	0.11
201	2014	Catherine Cr	090955	56,435	81,903		0.00	26	0.05	55	0.10	82	0.14
201	2014	Catherine Cr	090956	55,683	83,836		0.00	4	0.01	45	0.08	49	0.09
201	2015	Catherine Cr	091059	55,828	76,608		0.00	2	0.00	46	0.08	48	0.09
201	2015	Catherine Cr	091060	54,891	78,821	4	0.01		0.00	47	0.08	50	0.09
201	2016	Catherine Cr	091090	59,198	61,175		0.00	1	0.00	38	0.06	39	0.07
201	2016	Catherine Cr	091091	58,322	61,226		0.00	5	0.01	56	0.10	62	0.11
201	2017	Catherine Cr	091236	54,404	68,150		0.00	1	0.00	123	0.23	124	0.23
201	2017	Catherine Cr	091237	54,533	68,178		0.00	11	0.02	116	0.21	127	0.23
201	2018	Catherine Cr	091351	50,726	73,261		0.00	16	0.03	58	0.11	73	0.14
201	2018	Catherine Cr	091352	50,169	78,306		0.00	43	0.09	109	0.22	152	0.30
201	2019	Catherine Cr	091406	49,838	92,412		0.00	5	0.01	28	0.06	33	0.07
201	2019	Catherine Cr	091407	49,470	49,470		0.00		0.00	18	0.04	18	0.04
CHS	Clackamas R												
19	2009	Clackamas R	090268	53,060	319,008	16	0.03	42	0.08	110	0.21	168	0.32
19	2009	Clackamas R	090348	53,713	382,580	48	0.09	67	0.13	195	0.36	310	0.58
19	2009	Eagle Cr	090195	33,396	249,811	17	0.05	31	0.09	5	0.02	53	0.16
19	2010	Clackamas R	090382	50,248	51,378	35	0.07	43	0.09	92	0.18	170	0.34
19	2010	Clackamas R	090476	53,525	405,492	137	0.26	87	0.16	290	0.54	514	0.96
19	2010	Clackamas R	090477	58,111	293,293	22	0.04	65	0.11	105	0.18	192	0.33
19	2010	Clear Cr Acc	090479	53,119	145,573	22	0.04	40	0.08	25	0.05	88	0.17
19	2010	Eagle Cr	090338	16,895	234,648	36	0.21	26	0.16	38	0.22	100	0.59
19	2010	Foster Cr Acc	090383	52,790	99,017	14	0.03	52	0.10	21	0.04	88	0.17
19	2011	Clackamas R	090639	48,245	319,500	44	0.09	44	0.09	154	0.32	242	0.50
19	2011	Clackamas R	090642	65,325	373,285	187	0.29	136	0.21	496	0.76	819	1.25
19	2011	Clear Cr Acc	090588	18,025	18,025	17	0.10	19	0.10	11	0.06	47	0.26
19	2011	Clear Cr Acc	092052	27,723	27,723	16	0.06	21	0.08	13	0.05	50	0.18
19	2011	Eagle Cr	092353	30,488	185,582	66	0.22	26	0.09	45	0.15	138	0.45

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
19	2011	Foster Cr Acc	090590	19,062	19,062	46	0.24	28	0.14	30	0.16	104	0.55
19	2011	Foster Cr Acc	092054	30,838	30,838	57	0.18	60	0.19	45	0.15	162	0.53
19	2011	Tongue Pt	090589	18,871	50,630		0.00	10	0.05	4	0.02	14	0.07
19	2011	Tongue Pt	092053	32,687	50,630	3	0.01	8	0.03	8	0.03	19	0.06
19	2012	Clackamas R	090731	54,009	428,275	13	0.02	8	0.02	17	0.03	38	0.07
19	2012	Clear Cr Acc	090732	42,042	168,168	5	0.01	10	0.02	19	0.05	34	0.08
19	2012	Eagle Cr	090630	31,553	221,567	55	0.17	61	0.19	37	0.12	153	0.49
19	2012	Youngs R & Bay	090740	31,857	187,395	53	0.17	199	0.63	28	0.09	281	0.88
19	2013	Clackamas R	090644	106,598	435,604		0.00	4	0.00	5	0.01	9	0.01
19	2013	Clear Cr Acc	090645	27,412	84,088	1	0.01		0.00	1	0.00	2	0.01
19	2013	Eagle Cr	090852	50,303	104,445	16	0.03	58	0.12	22	0.04	96	0.19
19	2014	Clackamas R	090907	47,480	404,732		0.00		0.00	1	0.00	1	0.00
19	2014	Clackamas R	093647	5,997	5,997		0.00		0.00	1	0.02	1	0.02
19	2014	Clear Cr Acc	090906	33,567	106,143		0.00		0.00	5	0.01	5	0.01
19	2014	Eagle Cr	090896	22,837	205,282	4	0.02	4	0.02	3	0.01	11	0.05
19	2014	Youngs R & Bay	090164	25,570	130,193	6	0.03	60	0.23	4	0.02	70	0.27
19	2014	Youngs R & Bay	090890	27,616	130,193	8	0.03	11	0.04	1	0.00	19	0.07
19	2015	Clackamas R	091041	47,145	404,176		0.00	1	0.00	18	0.04	19	0.04
19	2015	Clear Cr Acc	091040	48,497	258,486	3	0.01		0.00	3	0.01	6	0.01
19	2015	Eagle Cr	091038	40,022	216,217		0.00		0.00	-	0.00	-	0.00
19	2015	Youngs R & Bay	091035	27,571	219,874	5	0.02	16	0.06	1	0.00	22	0.08
19	2016	Clackamas R	091167	44,739	398,462	10	0.02	2	0.00	15	0.03	27	0.06
19	2016	Clackamas R	091168	42,251	127,754	1	0.00	1	0.00	9	0.02	11	0.03
19	2016	Eagle Cr	091165	41,145	242,027	10	0.02	23	0.05	39	0.10	72	0.17
19	2016	Youngs R & Bay	091143	26,825	249,544	1	0.00	35	0.13	3	0.01	39	0.15
19	2017	Clackamas R	091222	39,159	200,173		0.00		0.00	8	0.02	8	0.02
19	2017	Clackamas R	091224	51,700	266,011		0.00	7	0.01	10	0.02	17	0.03
19	2018	Clackamas R	091301	26,307	166,500	67	0.26	81	0.31	443	1.68	591	2.25
19	2019	Clackamas R	091496	43,884	176,242	8	0.02	13	0.03	241	0.55	263	0.60
19	2020	Clackamas R	091524	20,171	20,171		0.00	8	0.04	2	0.01	10	0.05
19	2020	Clackamas R	091565	25,837	433,108	6	0.02		0.00	4	0.02	10	0.04
CHS	Deschutes R												
66	2009	Deschutes R	090351	86,617	88,025	3	0.00	52	0.06	338	0.39	393	0.45
66	2009	Deschutes R	090352	86,420	88,004		0.00	23	0.03	258	0.30	280	0.32
66	2009	Deschutes R	090353	86,266	87,847		0.00	71	0.08	495	0.57	566	0.66
66	2010	Deschutes R	090481	88,419	88,679	4	0.00	34	0.04	259	0.29	297	0.34
66	2010	Deschutes R	090482	86,649	87,289	6	0.01	46	0.05	207	0.24	259	0.30
66	2010	Deschutes R	090483	88,528	88,632		0.00	70	0.08	356	0.40	427	0.48
66	2011	Deschutes R	090648	84,568	85,508	1	0.00	25	0.03	75	0.09	100	0.12
66	2011	Deschutes R	090649	85,452	86,577		0.00	14	0.02	41	0.05	55	0.06
66	2011	Deschutes R	090650	82,807	86,800	3	0.00	27	0.03	83	0.10	112	0.14
66	2012	Deschutes R	090722	86,418	86,418	3	0.00	17	0.02	97	0.11	117	0.13

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
66	2012	Deschutes R	090723	87,248	87,248	13	0.01	66	0.08	289	0.33	367	0.42
66	2012	Deschutes R	090724	86,931	86,931	4	0.01	100	0.12	344	0.40	449	0.52
66	2013	Deschutes R	090857	82,111	84,044	14	0.02	134	0.16	758	0.92	906	1.10
66	2013	Deschutes R	090858	83,143	84,495	4	0.00	54	0.07	454	0.55	512	0.62
66	2013	Deschutes R	090859	83,774	84,450		0.00	55	0.07	519	0.62	573	0.68
66	2014	Deschutes R	090904	22,357	23,386		0.00	24	0.11	193	0.87	217	0.97
66	2014	Deschutes R	090914	83,535	86,386	2	0.00	44	0.05	557	0.67	603	0.72
66	2014	Deschutes R	090915	68,791	71,212	1	0.00	79	0.12	463	0.67	543	0.79
66	2015	Deschutes R	090768	56,231	58,452		0.00	2	0.00	45	0.08	47	0.08
66	2015	Deschutes R	091046	74,776	81,102		0.00		0.00	35	0.05	35	0.05
66	2015	Deschutes R	091047	92,527	96,182		0.00	3	0.00	74	0.08	76	0.08
66	2015	Deschutes R	091048	78,841	84,322		0.00	8	0.01	105	0.13	113	0.14
66	2016	Deschutes R	091173	79,346	83,610		0.00	3	0.00	43	0.05	46	0.06
66	2016	Deschutes R	091174	81,965	150,749		0.00		0.00	63	0.08	63	0.08
66	2016	Deschutes R	091175	83,314	153,412		0.00		0.00	48	0.06	48	0.06
66	2017	Deschutes R	091229	87,543	148,377	4	0.00		0.00	11	0.01	15	0.02
66	2017	Deschutes R	091230	93,068	148,670		0.00		0.00	33	0.04	33	0.04
66	2017	Deschutes R	091231	82,397	86,643		0.00		0.00	34	0.04	34	0.04
66	2018	Deschutes R	091344	89,102	90,416		0.00	26	0.03	226	0.25	252	0.28
66	2018	Deschutes R	091345	95,451	152,051	1	0.00	56	0.06	340	0.36	397	0.42
66	2018	Deschutes R	091346	90,017	151,740	13	0.01	95	0.11	551	0.61	658	0.73
66	2019	Deschutes R	091499	92,452	138,239		0.00	61	0.07	144	0.16	205	0.22
66	2019	Deschutes R	091501	83,876	84,359		0.00	89	0.11	165	0.20	254	0.30
66	2019	Deschutes R	091502	95,227	132,711	1	0.00	66	0.07	324	0.34	391	0.41
66	2020	Deschutes R	091521	25,348	58,011		0.00		0.00	3	0.01	3	0.01
66	2020	Deschutes R	091573	68,984	68,984		0.00		0.00	2	0.00	2	0.00
66	2020	Deschutes R	091575	80,700	83,887		0.00		0.00	10	0.01	10	0.01
66	2021	Deschutes R	091897	83,711	84,556		0.00		0.00	59	0.07	59	0.07
66	2021	Deschutes R	091995	99,657	99,657		0.00		0.00	32	0.03	32	0.03
66	2021	Deschutes R	091998	73,223	96,981		0.00		0.00	38	0.05	38	0.05
CHS	Hood R												
50	2009	Hood R Mid Fk	090354	62,087	63,875		0.00	45	0.07	18	0.03	64	0.10
50	2009	Hood R Mid Fk	618201	84,213	85,880		0.00		0.00	-	0.00	-	0.00
50	2010	Hood R Mid Fk	618203	40,990	42,787		0.00	29	0.07	1	0.00	30	0.07
50	2010	Hood R W Fk	090480	74,214	75,115	14	0.02	326	0.44	150	0.20	491	0.66
50	2010	Hood R W Fk	618202	46,352	47,586	1	0.00	62	0.13	56	0.12	119	0.26
50	2011	Hood R Mid Fk	618205	39,374	50,101		0.00	86	0.22	5	0.01	91	0.23
50	2011	Hood R W Fk	090647	82,712	83,379		0.00	442	0.53	197	0.24	639	0.77
50	2011	Hood R W Fk	618204	39,591	42,755	1	0.00	81	0.20	43	0.11	125	0.32
50	2012	Hood R W Fk	090725	77,949	78,896	5	0.01	181	0.23	192	0.25	378	0.48
50	2012	Hood R W Fk	618207	74,107	83,327	5	0.01	62	0.08	83	0.11	150	0.20
50	2014	Deschutes R	090739	16,916	17,621	4	0.03	9	0.05	158	0.94	172	1.02

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
50	2014	Deschutes R	090905	43,782	45,606	8	0.02	51	0.12	402	0.92	461	1.05
50	2015	Warm Springs R	056034	112,460	119,399		0.00	8	0.01	19	0.02	27	0.02
50	2018	Warm Springs R	056211	135,798	135,798		0.00	49	0.04	108	0.08	157	0.12
CHS	Imnaha R												
29	2009	Imnaha R	090290	55,105	79,354		0.00	65	0.12	58	0.11	123	0.22
29	2009	Imnaha R	090291	61,678	85,927		0.00	73	0.12	89	0.14	162	0.26
29	2009	Imnaha R	090292	59,930	84,239		0.00	57	0.10	85	0.14	142	0.24
29	2010	Imnaha R	090416	63,340	114,793		0.00	97	0.15	140	0.22	237	0.37
29	2010	Imnaha R	090417	68,174	117,195		0.00	14	0.02	26	0.04	40	0.06
29	2010	Imnaha R	090418	65,766	117,212		0.00	79	0.12	83	0.13	162	0.25
29	2010	Imnaha R	090419	60,601	114,994		0.00	191	0.32	177	0.29	369	0.61
29	2011	Imnaha R	090549	55,709	97,615		0.00	265	0.48	247	0.44	512	0.92
29	2011	Imnaha R	090550	55,342	97,698	5	0.01	383	0.69	251	0.45	640	1.16
29	2011	Imnaha R	090551	55,683	97,929	2	0.00	342	0.61	248	0.45	592	1.06
29	2011	Imnaha R	090552	53,355	97,464	7	0.01	331	0.62	247	0.46	585	1.10
29	2012	Imnaha R	090764	54,993	115,197		0.00	60	0.11	64	0.12	124	0.23
29	2012	Imnaha R	090765	56,740	115,198	1	0.00	78	0.14	62	0.11	141	0.25
29	2012	Imnaha R	090766	56,452	58,170	1	0.00	97	0.17	85	0.15	183	0.32
29	2012	Imnaha R	090767	55,385	58,137	1	0.00	96	0.17	94	0.17	192	0.35
29	2013	Imnaha R	090801	63,545	66,066		0.00	24	0.04	53	0.08	76	0.12
29	2013	Imnaha R	090802	61,357	133,778		0.00	33	0.05	67	0.11	100	0.16
29	2013	Imnaha R	090803	64,783	67,130		0.00	9	0.01	105	0.16	114	0.18
29	2013	Imnaha R	090804	61,106	64,728	3	0.01	44	0.07	85	0.14	132	0.22
29	2014	Imnaha R	090959	80,047	84,410		0.00	6	0.01	12	0.01	18	0.02
29	2014	Imnaha R	090960	78,959	83,527	3	0.00		0.00		0.00	3	0.00
29	2014	Imnaha R	090961	82,642	263,316		0.00	13	0.02	98	0.12	111	0.13
29	2014	Imnaha R	090962	77,832	85,548	3	0.00	23	0.03	101	0.13	127	0.16
29	2015	Imnaha R	091063	65,392	128,857		0.00	9	0.01	40	0.06	49	0.07
29	2015	Imnaha R	091064	66,327	79,228	1	0.00	1	0.00	38	0.06	40	0.06
29	2015	Imnaha R	091065	68,494	128,483		0.00	2	0.00	40	0.06	41	0.06
29	2015	Imnaha R	091066	67,414	154,559		0.00	1	0.00	22	0.03	23	0.03
29	2016	Imnaha R	091092	65,684	77,843		0.00	2	0.00	67	0.10	69	0.10
29	2016	Imnaha R	091093	66,061	198,004		0.00	1	0.00	58	0.09	59	0.09
29	2016	Imnaha R	091094	61,301	77,448	2	0.00	2	0.00	58	0.09	62	0.10
29	2016	Imnaha R	091095	63,918	137,234		0.00	12	0.02	87	0.14	99	0.15
29	2017	Imnaha R	091239	68,561	72,939		0.00	17	0.03	93	0.14	110	0.16
29	2017	Imnaha R	091240	64,246	72,508	1	0.00	45	0.07	61	0.10	108	0.17
29	2017	Imnaha R	091241	66,477	72,853		0.00	5	0.01	80	0.12	85	0.13
29	2017	Imnaha R	091242	66,616	74,702		0.00	57	0.08	73	0.11	129	0.19
29	2018	Imnaha R	091355	61,167	67,747		0.00	23	0.04	64	0.10	87	0.14
29	2018	Imnaha R	091356	60,282	65,143		0.00	20	0.03	27	0.05	48	0.08
29	2018	Imnaha R	091357	58,135	66,731		0.00	29	0.05	76	0.13	105	0.18

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
29	2018	Imnaha R	091358	59,513	67,186		0.00	39	0.07	57	0.09	95	0.16
29	2019	Imnaha R	091410	59,703	153,070		0.00		0.00	4	0.01	4	0.01
29	2019	Imnaha R	091411	59,712	69,364		0.00	11	0.02	8	0.01	19	0.03
29	2019	Imnaha R	091412	60,637	238,709		0.00	8	0.01	18	0.03	26	0.04
29	2019	Imnaha R	091413	59,556	59,556		0.00	5	0.01	5	0.01	10	0.02
CHS	Lookingglass												
81	2009	Lookingglass Cr	090361	102,314	102,828	2	0.00	58	0.06	166	0.16	226	0.22
81	2010	Lookingglass Cr	090394	61,256	114,283	4	0.01	164	0.27	178	0.29	346	0.57
81	2010	Lookingglass Cr	090395	61,256	114,282	3	0.00	139	0.23	169	0.28	311	0.51
81	2011	Lookingglass Cr	090541	63,736	136,018		0.00	113	0.18	153	0.24	266	0.42
81	2011	Lookingglass Cr	090542	64,873	137,079	1	0.00	108	0.17	107	0.16	216	0.33
81	2012	Lookingglass Cr	090756	74,380	126,310		0.00	57	0.08	93	0.12	150	0.20
81	2012	Lookingglass Cr	090757	72,517	125,470	1	0.00	78	0.11	101	0.14	180	0.25
81	2013	Lookingglass Cr	090784	25,548	45,166		0.00	5	0.02	24	0.09	29	0.11
81	2013	Lookingglass Cr	090785	25,973	26,020		0.00	9	0.04	22	0.08	31	0.12
81	2013	Lookingglass Cr	090786	25,824	45,934		0.00	11	0.04	33	0.13	44	0.17
81	2013	Lookingglass Cr	090787	20,380	39,983		0.00	6	0.03	20	0.10	26	0.13
81	2014	Lookingglass Cr	090957	69,069	198,671		0.00	38	0.05	67	0.10	104	0.15
81	2014	Lookingglass Cr	090958	70,895	103,918		0.00	46	0.06	82	0.11	127	0.18
81	2015	Lookingglass Cr	091053	44,842	94,230		0.00	1	0.00	20	0.05	21	0.05
81	2015	Lookingglass Cr	091054	46,095	64,376		0.00	7	0.02	33	0.07	40	0.09
81	2015	Lookingglass Cr	091055	46,013	82,798		0.00	9	0.02	31	0.07	41	0.09
81	2016	Lookingglass Cr	091085	41,207	70,934		0.00	4	0.01	42	0.10	46	0.11
81	2016	Lookingglass Cr	091086	54,642	81,562		0.00	2	0.00	24	0.04	26	0.05
81	2016	Lookingglass Cr	091087	53,781	81,512		0.00	1	0.00	63	0.12	64	0.12
81	2017	Lookingglass Cr	091056	44,795	46,804		0.00	4	0.01	53	0.12	56	0.13
81	2017	Lookingglass Cr	091057	44,794	46,803	4	0.01	4	0.01	39	0.09	47	0.10
81	2017	Lookingglass Cr	091058	41,022	42,861	1	0.00	5	0.01	20	0.05	26	0.06
81	2018	Lookingglass Cr	091359	41,601	130,999		0.00	15	0.04	67	0.16	82	0.20
81	2018	Lookingglass Cr	091360	40,779	59,644		0.00	67	0.16	53	0.13	120	0.29
81	2018	Lookingglass Cr	091361	42,995	62,666		0.00	42	0.10	61	0.14	104	0.24
81	2019	Lookingglass Cr	091414	72,692	133,834		0.00	49	0.07	23	0.03	72	0.10
81	2019	Lookingglass Cr	091415	69,142	69,142		0.00	46	0.07	31	0.05	78	0.11
81	2020	Lookingglass Cr	091691	59,675	59,675		0.00		0.00	1	0.00	1	0.00
CHS	Lostine R												
200	2009	Lostine R	090284	58,776	60,931		0.00	4	0.01	73	0.12	78	0.13
200	2009	Lostine R	094121	1,838	1,905		0.00		0.00	2	0.11	2	0.11
200	2010	Lostine R	090282	71,469	72,049	14	0.02	183	0.26	136	0.19	332	0.46
200	2010	Lostine R	090283	69,714	70,987	1	0.00	234	0.34	173	0.25	408	0.58
200	2011	Lostine R	090547	66,968	134,498	6	0.01	437	0.65	98	0.15	541	0.81
200	2011	Lostine R	090548	66,324	130,541	4	0.01	471	0.71	88	0.13	563	0.85
200	2012	Lostine R	090762	61,619	117,036	3	0.00	55	0.09	30	0.05	88	0.14

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
200	2012	Lostine R	090763	64,128	115,888		0.00	59	0.09	78	0.12	137	0.21
200	2013	Lostine R	090788	29,916	62,190	7	0.02		0.00	11	0.04	18	0.06
200	2013	Lostine R	090789	28,704	63,434		0.00	10	0.03	20	0.07	30	0.10
200	2013	Lostine R	090790	27,976	66,266		0.00	5	0.02	24	0.09	29	0.10
200	2013	Lostine R	090791	28,483	28,537	1	0.00	5	0.02	19	0.07	25	0.09
200	2013	Lostine R	090792	28,613	28,942	9	0.03	6	0.02	27	0.09	43	0.15
200	2014	Lostine R	090953	66,501	129,659		0.00	30	0.05	55	0.08	85	0.13
200	2014	Lostine R	090954	66,258	128,608		0.00	60	0.09	54	0.08	114	0.17
200	2015	Lostine R	091061	63,641	133,410	1	0.00	2	0.00	19	0.03	22	0.04
200	2015	Lostine R	091062	67,062	133,802		0.00	14	0.02	42	0.06	56	0.08
200	2016	Lostine R	091088	65,518	122,140	1	0.00	12	0.02	78	0.12	91	0.14
200	2016	Lostine R	091089	64,701	123,644		0.00	1	0.00	89	0.14	90	0.14
200	2017	Lostine R	090769	63,610	129,678		0.00	25	0.04	61	0.10	86	0.13
200	2017	Lostine R	091238	67,890	132,036	2	0.00	26	0.04	64	0.09	92	0.13
200	2018	Lostine R	091353	56,547	120,709		0.00	123	0.22	43	0.08	165	0.29
200	2018	Lostine R	091354	57,948	140,111	3	0.01	38	0.06	57	0.10	98	0.17
200	2019	Lostine R	091408	59,535	121,574		0.00	5	0.01	5	0.01	10	0.02
200	2019	Lostine R	091409	59,580	118,686		0.00	33	0.06	9	0.02	43	0.07
CHS	Mckenzie R												
23	2009	Mckenzie R	090387	99,996	101,693	22	0.02	100	0.10	115	0.12	237	0.24
23	2009	Mckenzie R	090388	101,255	101,531	19	0.02	102	0.10	61	0.06	182	0.18
23	2009	Mckenzie R	090389	105,643	463,718	15	0.01	99	0.09	52	0.05	166	0.16
23	2009	Mckenzie R	090390	906,338	910,160	233	0.03	721	0.08	788	0.09	1,741	0.19
23	2009	Youngs R & Bay	094654	27,174	249,139	1	0.00	8	0.03		0.00	9	0.03
23	2010	Blind Slough	090452	23,667	258,923	3	0.01	13	0.05		0.00	16	0.07
23	2010	Mckenzie R	090533	150,916	152,674	119	0.08	176	0.12	350	0.23	644	0.43
23	2010	Mckenzie R	090534	198,777	200,162	170	0.09	235	0.12	439	0.22	844	0.42
23	2010	Mckenzie R	090535	198,175	201,642	108	0.05	241	0.12	334	0.17	683	0.34
23	2010	Mckenzie R	090536	203,450	205,406	94	0.05	219	0.11	298	0.15	610	0.30
23	2010	Mckenzie R	090538	246,281	247,917	208	0.08	480	0.20	976	0.40	1,664	0.68
23	2010	Tongue Pt	090455	27,652	253,002	2	0.01	5	0.02		0.00	7	0.03
23	2010	Willamette Cst Fk	090537	211,934	212,128	126	0.06	193	0.09	132	0.06	451	0.21
23	2010	Youngs R & Bay	090451	25,210	513,089	17	0.07	56	0.22	6	0.02	80	0.32
23	2010	Youngs R & Bay	090453	27,938	99,241	3	0.01	7	0.02		0.00	10	0.03
23	2011	Blind Slough	094157	24,022	172,816	62	0.26	268	1.12	21	0.09	351	1.46
23	2011	Gnat Cr	094149	26,509	99,190	86	0.32	202	0.76	22	0.08	310	1.17
23	2011	Mckenzie R	090674	51,251	172,659	52	0.10	129	0.25	270	0.53	450	0.88
23	2011	Mckenzie R	090675	52,164	173,471	40	0.08	115	0.22	178	0.34	333	0.64
23	2011	Mckenzie R	090676	51,489	151,240	163	0.32	207	0.40	370	0.72	740	1.44
23	2011	Mckenzie R	090677	51,534	151,176	158	0.31	214	0.42	354	0.69	726	1.41
23	2011	Mckenzie R	090678	55,893	109,571	77	0.14	189	0.34	438	0.78	704	1.26
23	2011	Mckenzie R	090679	54,943	108,529	144	0.26	318	0.58	493	0.90	955	1.74

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
23	2011	Tongue Pt	090465	33,092	246,370	11	0.03	21	0.06	6	0.02	38	0.12
23	2011	Willamette Cst Fk	090528	54,973	370,260	108	0.20	202	0.37	61	0.11	371	0.67
23	2011	Youngs R & Bay	094202	24,577	601,862	57	0.23	395	1.61	16	0.07	467	1.90
23	2012	Blind Slough	090620	22,040	130,326	13	0.06	20	0.09	18	0.08	51	0.23
23	2012	Gnat Cr	090621	27,278	150,834	20	0.07	37	0.14	5	0.02	62	0.23
23	2012	Mckenzie R	090696	100,822	361,493	9	0.01	18	0.02	22	0.02	48	0.05
23	2012	Mckenzie R	090697	99,222	304,172	136	0.14	128	0.13	503	0.51	768	0.77
23	2012	Mckenzie R	090698	77,827	188,683	6	0.01	47	0.06	122	0.16	174	0.22
23	2012	Tongue Pt	090721	105,984	320,983	140	0.13	597	0.56	142	0.13	879	0.83
23	2012	Willamette Cst Fk	090699	75,581	263,085	121	0.16	171	0.23	141	0.19	433	0.57
23	2012	Youngs R & Bay	090619	28,005	443,055	34	0.12	250	0.89	10	0.04	294	1.05
23	2013	Blind Slough	090747	22,179	130,750	26	0.12	241	1.09	23	0.10	290	1.31
23	2013	Gnat Cr	090748	25,550	142,959	14	0.05	71	0.28	13	0.05	98	0.38
23	2013	Mckenzie R	090853	51,223	179,775	104	0.20	163	0.32	669	1.31	936	1.83
23	2013	Mckenzie R	090854	45,366	189,925	98	0.22	101	0.22	430	0.95	630	1.39
23	2013	Mckenzie R	090882	95,507	240,050	106	0.11	155	0.16	569	0.60	829	0.87
23	2013	Row R	090881	86,162	216,518	66	0.08	207	0.24	93	0.11	366	0.42
23	2013	Youngs R & Bay	090746	21,460	560,520	17	0.08	221	1.03	5	0.02	243	1.13
23	2014	Mckenzie R	090937	47,551	149,435	48	0.10	68	0.14	348	0.73	465	0.98
23	2014	Mckenzie R	090938	48,080	152,912	42	0.09	136	0.28	395	0.82	572	1.19
23	2014	Mckenzie R	090939	47,106	50,292	44	0.09	139	0.30	393	0.84	577	1.23
23	2014	Mckenzie R	090940	47,583	50,527	33	0.07	109	0.23	254	0.53	397	0.83
23	2014	Mckenzie R	090941	48,504	50,178	39	0.08	97	0.20	247	0.51	384	0.79
23	2014	Mckenzie R	090942	48,384	151,408	50	0.10	74	0.15	242	0.50	367	0.76
23	2015	Blind Slough	090976	19,862	116,114		0.00	3	0.01	1	0.01	4	0.02
23	2015	Gnat Cr	090977	27,804	379,653		0.00	5	0.02		0.00	5	0.02
23	2015	Mckenzie R	090883	101,739	201,391	12	0.01	29	0.03	75	0.07	116	0.11
23	2015	Mckenzie R	090999	99,687	200,503	16	0.02	31	0.03	63	0.06	110	0.11
23	2015	Mckenzie R	091001	99,506	202,856	16	0.02	64	0.06	118	0.12	198	0.20
23	2015	Row R	090993	81,137	233,930	11	0.01	12	0.01	6	0.01	29	0.04
23	2015	Tongue Pt	091020	24,678	103,838		0.00	4	0.02		0.00	4	0.02
23	2015	Youngs R & Bay	090975	24,083	386,666	3	0.01	42	0.17		0.00	45	0.19
23	2016	Blind Slough	090979	23,810	129,830	3	0.01	49	0.21	2	0.01	54	0.23
23	2016	Gnat Cr	090980	27,472	385,563		0.00	3	0.01	1	0.00	4	0.01
23	2016	Mckenzie R	091002	101,920	201,587	72	0.07	108	0.11	149	0.15	329	0.32
23	2016	Mckenzie R	091130	101,491	200,994	57	0.06	86	0.08	109	0.11	252	0.25
23	2016	Mckenzie R	091131	101,396	201,149	76	0.07	149	0.15	260	0.26	485	0.48
23	2016	Row R	091124	79,981	265,784	56	0.07	56	0.07	9	0.01	121	0.15
23	2016	Youngs R & Bay	090978	25,997	383,479	11	0.04	101	0.39	11	0.04	123	0.47
23	2017	Mckenzie R	091272	34,138	201,552	23	0.07	70	0.20	22	0.06	115	0.34
23	2017	Mckenzie R	091273	34,047	198,787	38	0.11	69	0.20	39	0.12	146	0.43
23	2017	Mckenzie R	091274	33,602	201,831	71	0.21	155	0.46	45	0.13	271	0.81

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
23	2018	Mckenzie R	091395	35,036	195,723	40	0.11	77	0.22	57	0.16	174	0.50
23	2018	Mckenzie R	091396	34,940	203,095	22	0.06	34	0.10	34	0.10	90	0.26
23	2018	Mckenzie R	091397	34,305	197,051	36	0.11	63	0.18	39	0.11	139	0.40
23	2018	Willamette Cst Fk	091398	25,000	204,904	11	0.04	35	0.14	9	0.04	55	0.22
23	2019	Mckenzie R	091449	31,439	62,954		0.00		0.00	-	0.00	-	0.00
23	2019	Mckenzie R	091450	32,369	62,950		0.00		0.00	1	0.00	1	0.00
23	2019	Mckenzie R	091451	33,838	62,698		0.00	1	0.00	4	0.01	5	0.02
23	2019	Tongue Pt	091321	23,648	176,011	22	0.09	101	0.43	36	0.15	158	0.67
23	2020	Mckenzie R	091590	31,635	201,494		0.00		0.00	1	0.00	1	0.00
23	2020	Mckenzie R	091591	35,750	201,812	1	0.00		0.00	1	0.00	3	0.01
23	2020	Mckenzie R	091592	35,979	154,375		0.00		0.00	1	0.00	1	0.00
23	2021	Mckenzie R	091988	34,443	197,158		0.00	1	0.00		0.00	1	0.00
23	2021	Mckenzie R	091989	34,549	196,778		0.00	4	0.01		0.00	4	0.01
CHS	Nestucca R												
47	2010	Nestucca R	093939	25,108	111,097	331	1.32	6	0.02	101	0.40	438	1.74
47	2011	Three Rivers	094235	25,486	36,610	144	0.56	1	0.00	75	0.29	220	0.86
47	2012	Three Rivers	092617	28,656	36,273	166	0.58	1	0.00	104	0.36	271	0.94
47	2013	Three Rivers	090783	19,687	23,950	4	0.02		0.00	37	0.19	41	0.21
47	2014	Three Rivers	090891	25,807	25,807	42	0.16	1	0.00	37	0.14	80	0.31
47	2015	Three Rivers	090829	27,705	27,705	3	0.01	1	0.00	51	0.18	54	0.20
47	2016	Three Rivers	091142	25,155	25,155		0.00		0.00	81	0.32	81	0.32
47	2017	Three Rivers	091202	26,505	26,505	21	0.08	2	0.01	44	0.16	66	0.25
47	2018	Three Rivers	091283	27,255	27,255	32	0.12	2	0.01	55	0.20	89	0.33
47	2019	Three Rivers	091302	25,772	26,085	41	0.16	3	0.01	53	0.20	97	0.38
47	2020	Nestucca R	091518	25,541	165,007	2	0.01		0.00	6	0.02	9	0.03
CHS	Rogue R												
52	2009	Rogue R 4	090332	32,560	733,478	46	0.14		0.00	202	0.62	248	0.76
52	2009	Rogue R 4	090333	32,203	739,118	110	0.34		0.00	274	0.85	383	1.19
52	2009	Rogue R 4	090334	30,809	163,414	99	0.32		0.00	249	0.81	348	1.13
52	2010	Rogue R 4	090522	28,128	169,300	43	0.15		0.00	111	0.39	154	0.55
52	2010	Rogue R 4	090523	32,200	893,159	41	0.13	1	0.00	83	0.26	125	0.39
52	2010	Rogue R 4	090524	32,944	734,010	64	0.19		0.00	152	0.46	217	0.66
52	2011	Rogue R 4	090573	32,919	844,064	38	0.12		0.00	168	0.51	207	0.63
52	2011	Rogue R 4	090574	32,638	732,494	31	0.09		0.00	98	0.30	128	0.39
52	2011	Rogue R 4	090575	32,050	164,780	39	0.12		0.00	119	0.37	158	0.49
52	2012	Rogue R 4	090687	32,407	163,576	7	0.02		0.00	47	0.15	54	0.17
52	2012	Rogue R 4	090688	33,422	733,799	10	0.03		0.00	46	0.14	56	0.17
52	2012	Rogue R 4	090689	33,655	623,380	4	0.01		0.00	36	0.11	40	0.12
52	2013	Rogue R 3	090172	30,233	50,388	6	0.02	5	0.02	186	0.62	196	0.65
52	2013	Rogue R 4	090173	32,800	925,039	7	0.02		0.00	49	0.15	56	0.17
52	2013	Rogue R 4	090174	32,710	735,620	2	0.01		0.00	33	0.10	36	0.11
52	2014	Rogue R 3	090874	33,036	50,323	9	0.03		0.00	57	0.17	67	0.20

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
52	2014	Rogue R 4	090872	32,104	729,980	6	0.02		0.00	83	0.26	89	0.28
52	2014	Rogue R 4	090873	32,243	750,951	4	0.01		0.00	116	0.36	120	0.37
52	2015	Rogue R 3	090925	32,387	51,025	31	0.09	5	0.02	112	0.35	148	0.46
52	2015	Rogue R 4	090923	32,807	766,382	8	0.02	4	0.01	68	0.21	80	0.24
52	2015	Rogue R 4	090924	32,348	205,872	26	0.08	2	0.01	189	0.59	218	0.67
52	2016	Rogue R 1	091116	31,356	31,356	59	0.19	1	0.00	44	0.14	104	0.33
52	2016	Rogue R 3	090986	30,271	91,450	4	0.01	1	0.00	30	0.10	35	0.12
52	2016	Rogue R 4	090985	32,427	467,189	9	0.03		0.00	8	0.02	17	0.05
52	2016	Rogue R 4	090987	32,716	574,164	8	0.03		0.00	22	0.07	31	0.09
52	2016	Rogue R 4	091115	30,549	360,901	28	0.09	3	0.01	58	0.19	89	0.29
52	2017	Applegate Res	091261	30,200	30,200		0.00		0.00	-	0.00	-	0.00
52	2017	Rogue R 1	091257	32,015	77,896	39	0.12	2	0.01	14	0.04	55	0.17
52	2017	Rogue R 3	091260	30,764	50,408	9	0.03		0.00	87	0.28	97	0.31
52	2017	Rogue R 4	091256	32,408	661,128	8	0.02		0.00	17	0.05	25	0.08
52	2017	Rogue R 4	091258	32,741	737,509	7	0.02		0.00	20	0.06	28	0.08
52	2017	Rogue R 4	091259	31,876	196,410	25	0.08		0.00	42	0.13	67	0.21
52	2018	Rogue R 1	091380	30,793	66,579	78	0.25	14	0.05	39	0.13	131	0.42
52	2018	Rogue R 3	091383	31,597	169,897	27	0.08	3	0.01	131	0.42	161	0.51
52	2018	Rogue R 4	091379	32,072	66,678	4	0.01	1	0.00	26	0.08	31	0.10
52	2018	Rogue R 4	091381	32,562	145,521	8	0.02	1	0.00	34	0.11	43	0.13
52	2018	Rogue R 4	091382	31,976	629,147	26	0.08	6	0.02	126	0.39	157	0.49
52	2019	Applegate Res	091438	32,366	156,598		0.00		0.00	-	0.00	-	0.00
52	2019	Rogue R 1	091434	32,608	83,653	299	0.92	7	0.02	159	0.49	465	1.43
52	2019	Rogue R 3	091437	32,562	96,555	7	0.02		0.00	168	0.52	176	0.54
52	2019	Rogue R 4	091433	32,482	548,389	75	0.23	1	0.00	177	0.55	253	0.78
52	2019	Rogue R 4	091435	32,343	654,778	78	0.24		0.00	252	0.78	329	1.02
52	2019	Rogue R 4	091436	33,155	312,436	90	0.27	2	0.01	358	1.08	449	1.35
52	2020	Rogue R 1	091585	38,245	179,334	16	0.04	1	0.00	6	0.02	23	0.06
52	2020	Rogue R 3	091588	38,790	127,126	9	0.02		0.00	23	0.06	32	0.08
52	2020	Rogue R 4	091584	39,598	288,794	2	0.01		0.00	17	0.04	19	0.05
52	2020	Rogue R 4	091586	39,893	516,291	12	0.03		0.00	34	0.08	46	0.11
52	2020	Rogue R 4	091587	38,827	333,768	5	0.01		0.00	61	0.16	66	0.17
52	2021	Rogue R 1	091871	31,670	182,717	6	0.02		0.00		0.00	6	0.02
52	2021	Rogue R 4	091870	31,619	261,976	6	0.02		0.00		0.00	6	0.02
CHS	Sandy R												
11	2009	Cedar Cr	090347	54,176	289,712	61	0.11	35	0.06	51	0.09	148	0.27
11	2010	Cedar Cr	090475	50,079	281,343	174	0.35	77	0.15	57	0.11	308	0.62
11	2011	Bull Run R	090640	35,586	133,434	2	0.01	6	0.02	9	0.03	18	0.05
11	2012	Bull Run R	090191	97,940	97,940	86	0.09	53	0.05	85	0.09	223	0.23
11	2012	Bull Run R	090631	36,302	36,302	18	0.05	8	0.02	9	0.02	34	0.09
11	2012	Tongue Pt	090726	46,127	172,612	43	0.09	65	0.14	23	0.05	131	0.28
11	2013	Bull Run R	090855	61,155	61,648	361	0.59	148	0.24	761	1.24	1,270	2.08

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
11	2013	Bull Run R	090856	51,475	51,786	214	0.42	82	0.16	570	1.11	867	1.68
11	2014	Bull Run R	090912	63,692	64,400	249	0.39	92	0.14	638	1.00	979	1.54
11	2014	Bull Run R	090913	64,095	64,808	178	0.28	143	0.22	585	0.91	905	1.41
11	2015	Bull Run R	091044	55,247	55,580	22	0.04	7	0.01	77	0.14	105	0.19
11	2015	Bull Run R	091045	57,347	57,577	57	0.10	12	0.02	136	0.24	206	0.36
11	2016	Bull Run R	091171	60,807	60,807	84	0.14	75	0.12	277	0.46	436	0.72
11	2016	Bull Run R	091172	60,679	60,679	120	0.20	57	0.09	296	0.49	473	0.78
11	2017	Bull Run R	091227	63,168	63,682	85	0.13	71	0.11	203	0.32	359	0.57
11	2017	Bull Run R	091228	64,834	65,361	112	0.17	78	0.12	132	0.20	322	0.50
11	2018	Bull Run R	091305	19,858	198,580	87	0.44	76	0.38	238	1.20	401	2.02
11	2018	Tongue Pt	091306	22,355	213,287	43	0.19	89	0.40	100	0.45	232	1.04
11	2018	Youngs R & Bay	091303	23,425	231,883	24	0.10	184	0.79	83	0.35	291	1.24
11	2019	Bull Run R	091468	22,336	97,111	23	0.10	18	0.08	91	0.41	132	0.59
11	2020	Bull Run R	091529	21,854	182,843		0.00		0.00	2	0.01	2	0.01
CHS Santiam NF													
21	2009	Detroit Res	090350	106,669	156,607	20	0.02	83	0.08	94	0.09	197	0.18
21	2009	Santiam R & N Fk	090391	55,092	226,795	10	0.02	47	0.08	79	0.14	136	0.25
21	2009	Santiam R & N Fk	090392	53,760	209,760	4	0.01	14	0.03	35	0.07	53	0.10
21	2009	Santiam R & N Fk	090393	53,273	250,746	7	0.01	21	0.04	54	0.10	82	0.15
21	2010	Detroit Res	090529	100,255	138,857	61	0.06	69	0.07	92	0.09	222	0.22
21	2010	Santiam R & N Fk	090494	18,628	18,628	54	0.29	68	0.36	140	0.75	263	1.41
21	2010	Santiam R & N Fk	090495	18,628	18,628	66	0.35	74	0.40	118	0.63	258	1.38
21	2010	Santiam R & N Fk	090496	18,628	18,628	51	0.27	118	0.63	138	0.74	307	1.65
21	2010	Santiam R & N Fk	090497	18,629	18,629	72	0.39	82	0.44	118	0.63	272	1.46
21	2010	Santiam R & N Fk	090498	18,645	18,645	92	0.49	86	0.46	163	0.87	341	1.83
21	2010	Santiam R & N Fk	090499	18,645	18,645	77	0.41	84	0.45	151	0.81	311	1.67
21	2010	Santiam R & N Fk	090516	18,646	18,646	54	0.29	94	0.50	192	1.03	340	1.82
21	2010	Santiam R & N Fk	090517	18,645	18,645	85	0.46	109	0.59	186	1.00	380	2.04
21	2010	Santiam R & N Fk	090518	18,663	18,663	42	0.22	71	0.38	138	0.74	251	1.35
21	2010	Santiam R & N Fk	090519	18,663	18,663	34	0.18	91	0.49	146	0.78	272	1.46
21	2010	Santiam R & N Fk	090520	18,663	18,663	77	0.41	48	0.26	137	0.74	263	1.41
21	2010	Santiam R & N Fk	090521	18,663	18,663	51	0.27	72	0.39	98	0.52	220	1.18
21	2010	Santiam R & N Fk	090526	54,858	227,638	25	0.05	70	0.13	112	0.20	207	0.38
21	2010	Santiam R & N Fk	090527	55,279	228,080	32	0.06	84	0.15	113	0.20	230	0.42
21	2011	Detroit Res	090672	98,645	100,046	110	0.11	93	0.09	159	0.16	361	0.37
21	2011	Santiam R & N Fk	090659	99,918	468,000	209	0.21	390	0.39	414	0.41	1,013	1.01
21	2011	Santiam R & N Fk	090660	19,260	19,260	41	0.21	26	0.13	76	0.39	143	0.74
21	2011	Santiam R & N Fk	090661	19,040	19,040	14	0.08	34	0.18	62	0.32	110	0.58
21	2011	Santiam R & N Fk	090662	19,080	19,080	46	0.24	32	0.17	59	0.31	136	0.71
21	2011	Santiam R & N Fk	090663	19,130	19,130	34	0.18	26	0.13	67	0.35	126	0.66
21	2011	Santiam R & N Fk	090664	19,100	19,100	28	0.15	31	0.16	63	0.33	122	0.64
21	2011	Santiam R & N Fk	090665	18,628	18,753	51	0.27	33	0.18	64	0.34	147	0.79

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
21	2011	Santiam R & N Fk	090666	18,971	18,971	29	0.16	21	0.11	61	0.32	111	0.59
21	2011	Santiam R & N Fk	090667	19,100	19,100	26	0.13	30	0.16	50	0.26	105	0.55
21	2011	Santiam R & N Fk	090668	18,973	19,101	31	0.16	33	0.17	47	0.25	111	0.58
21	2011	Santiam R & N Fk	090669	18,845	19,099	31	0.17	31	0.16	64	0.34	126	0.67
21	2011	Santiam R & N Fk	090670	19,094	19,222	38	0.20	24	0.13	87	0.45	149	0.78
21	2011	Santiam R & N Fk	090671	18,627	19,010	36	0.19	15	0.08	79	0.42	130	0.70
21	2011	Santiam R & N Fk	090673	99,549	100,962	87	0.09	73	0.07	157	0.16	316	0.32
21	2012	Santiam R & N Fk	090701	104,674	685,024	32	0.03	27	0.03	51	0.05	110	0.10
21	2013	Blind Slough	090838	25,560	306,833	35	0.14	185	0.72	10	0.04	230	0.90
21	2013	Santiam R & N Fk	090877	50,941	276,829	24	0.05	100	0.20	29	0.06	153	0.30
21	2013	Santiam R & N Fk	090884	51,058	447,323	59	0.11	146	0.29	50	0.10	255	0.50
21	2013	Tongue Pt	090839	26,086	260,093	18	0.07	116	0.45	34	0.13	167	0.64
21	2013	Tongue Pt	090840	26,136	205,327	31	0.12	228	0.87	41	0.16	300	1.15
21	2014	Klaskanine R NF	090894	23,549	275,973	1	0.00	19	0.08	11	0.05	31	0.13
21	2014	Santiam R & N Fk	090936	53,823	431,997	16	0.03	7	0.01	27	0.05	50	0.09
21	2014	Tongue Pt	090893	24,014	245,271	1	0.01	13	0.05	4	0.02	18	0.08
21	2014	Tongue Pt	090895	29,170	192,314		0.00	38	0.13	10	0.03	48	0.16
21	2014	Trout Cr Acc	090935	29,943	93,307	20	0.07	66	0.22	14	0.05	100	0.33
21	2015	Santiam R & N Fk	090992	54,845	720,555	12	0.02	18	0.03	72	0.13	103	0.19
21	2015	Tongue Pt	091031	25,079	183,928		0.00	12	0.05	2	0.01	14	0.05
21	2015	Trout Cr Acc	090990	28,860	100,043	2	0.01	4	0.01	6	0.02	12	0.04
21	2015	Youngs R & Bay	091032	25,034	303,803		0.00	29	0.12	2	0.01	31	0.12
21	2016	Santiam R & N Fk	091123	54,675	703,596	12	0.02	40	0.07	124	0.23	177	0.32
21	2016	Tongue Pt	091154	24,574	244,138		0.00	3	0.01		0.00	3	0.01
21	2016	Tongue Pt	091156	25,335	215,694	15	0.06	53	0.21	18	0.07	85	0.34
21	2016	Trout Cr Acc	091019	25,220	50,213	3	0.01	2	0.01	3	0.01	8	0.03
21	2016	Trout Cr Acc	091033	25,173	50,694		0.00	1	0.00		0.00	1	0.00
21	2016	Youngs R & Bay	091155	25,042	526,866	8	0.03	52	0.21	11	0.04	71	0.28
21	2017	Santiam R & N Fk	091275	33,018	685,288	20	0.06	75	0.23	89	0.27	184	0.56
21	2017	Tongue Pt	091207	24,739	248,381		0.00	17	0.07	10	0.04	27	0.11
21	2017	Tongue Pt	091209	23,578	171,228	22	0.10	128	0.54	86	0.36	236	1.00
21	2017	Trout Cr Acc	093828	24,920	49,532	3	0.01	21	0.08	5	0.02	30	0.12
21	2017	Trout Cr Acc	094249	25,146	49,812	15	0.06	14	0.05	13	0.05	42	0.17
21	2017	Youngs R & Bay	091208	21,768	303,599	11	0.05	117	0.54	25	0.12	154	0.71
21	2018	Santiam R & N Fk	091399	54,705	703,388	96	0.18	118	0.22	73	0.13	287	0.53
21	2018	Tongue Pt	091311	23,908	196,528	62	0.26	329	1.38	99	0.41	490	2.05
21	2018	Trout Cr Acc	091312	25,468	102,723	29	0.11	55	0.22	48	0.19	132	0.52
21	2018	Youngs R & Bay	091309	23,987	274,384	38	0.16	336	1.40	18	0.08	392	1.63
21	2018	Youngs R & Bay	091310	22,450	235,783	11	0.05	164	0.73	31	0.14	207	0.92
21	2019	Santiam R & N Fk	091452	53,215	345,584	3	0.00	3	0.01	1	0.00	6	0.01
21	2019	Tongue Pt	091323	24,882	199,916	6	0.02	13	0.05	16	0.06	35	0.14
21	2019	Trout Cr Acc	091480	25,672	51,122	21	0.08	6	0.02	12	0.05	40	0.15

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
21	2019	Youngs R & Bay	091385	24,922	317,177	2	0.01	81	0.32	1	0.00	84	0.34
21	2019	Youngs R & Bay	091479	24,608	256,732	9	0.04	168	0.68	26	0.11	204	0.83
21	2020	Santiam R & N Fk	091594	55,961	442,911	11	0.02		0.00	1	0.00	12	0.02
21	2020	Santiam R & N Fk	091595	53,931	261,459	1	0.00	4	0.01	5	0.01	10	0.02
21	2020	Trout Cr Acc	091563	31,014	51,690		0.00		0.00	1	0.00	1	0.00
21	2020	Youngs R & Bay	091539	24,777	252,846		0.00		0.00	16	0.07	16	0.07
21	2020	Youngs R & Bay	091540	24,523	220,046		0.00		0.00	3	0.01	3	0.01
21	2021	Big Cr	091697	27,091	230,728		0.00		0.00	8	0.03	8	0.03
21	2021	Santiam R & N Fk	091882	51,350	257,012		0.00	4	0.01		0.00	4	0.01
21	2021	Tongue Pt	091782	24,547	149,719		0.00		0.00	27	0.11	27	0.11
21	2021	Youngs R & Bay	091780	25,225	251,456		0.00		0.00	1	0.00	1	0.00
21	2021	Youngs R & Bay	091781	25,629	287,821		0.00		0.00	3	0.01	3	0.01
CHS	Santiam R SF												
24	2009	Molalla R	090349	30,703	103,809	6	0.02	26	0.08	15	0.05	47	0.15
24	2009	Santiam R S Fk	090262	31,854	433,368	13	0.04	19	0.06	20	0.06	52	0.16
24	2009	Santiam R S Fk	090263	31,534	298,994	15	0.05	30	0.10	30	0.10	75	0.24
24	2009	Santiam R S Fk	090265	55,843	303,758	18	0.03	123	0.22	125	0.22	266	0.48
24	2010	Molalla R	090374	31,623	99,301	37	0.12	41	0.13	33	0.11	111	0.35
24	2010	Santiam R S Fk	090372	40,871	276,788	9	0.02	17	0.04	45	0.11	71	0.17
24	2010	Santiam R S Fk	090373	32,323	375,339	1	0.00	35	0.11	24	0.07	60	0.19
24	2010	Santiam R S Fk	090478	51,248	305,090	47	0.09	172	0.34	260	0.51	479	0.93
24	2011	Santiam R S Fk	090376	30,785	251,841	106	0.34	123	0.40	171	0.56	399	1.30
24	2011	Santiam R S Fk	090463	30,068	310,453	91	0.30	132	0.44	265	0.88	488	1.62
24	2011	Santiam R S Fk	090641	52,636	294,786	120	0.23	186	0.35	385	0.73	691	1.31
24	2011	Trout Cr Acc	090464	33,308	102,016	145	0.43	249	0.75	75	0.23	469	1.41
24	2012	Santiam R S Fk	090627	31,415	474,276	85	0.27	31	0.10	77	0.25	193	0.61
24	2012	Santiam R S Fk	090628	43,565	253,638	102	0.23	90	0.21	73	0.17	265	0.61
24	2012	Santiam R S Fk	090730	46,480	298,759	68	0.15	72	0.16	77	0.17	218	0.47
24	2012	Trout Cr Acc	090629	32,986	99,958	9	0.03	3	0.01	5	0.02	17	0.05
24	2013	Santiam R S Fk	090737	32,793	480,001	63	0.19	109	0.33	157	0.48	329	1.00
24	2013	Santiam R S Fk	090738	31,947	257,963	51	0.16	88	0.28	111	0.35	250	0.78
24	2013	Santiam R S Fk	090849	53,860	309,422	28	0.05	54	0.10	73	0.14	156	0.29
24	2014	Blind Slough	090833	22,999	128,700	24	0.11	103	0.45	18	0.08	145	0.63
24	2014	Gnat Cr	090834	26,234	380,848	3	0.01	27	0.10	2	0.01	32	0.12
24	2014	Santiam R S Fk	090932	31,949	548,719	3	0.01		0.00	9	0.03	12	0.04
24	2014	Santiam R S Fk	090933	32,354	170,004	1	0.00	6	0.02	1	0.00	8	0.02
24	2014	Santiam R S Fk	090934	53,560	312,830	5	0.01	27	0.05	26	0.05	58	0.11
24	2014	Youngs R & Bay	090832	23,915	367,471	12	0.05	253	1.06	28	0.12	293	1.22
24	2015	Santiam R S Fk	090988	30,789	600,713		0.00		0.00	2	0.01	2	0.01
24	2015	Santiam R S Fk	090989	32,242	127,440	7	0.02	8	0.02	12	0.04	27	0.08
24	2015	Santiam R S Fk	090991	55,757	302,905		0.00	2	0.00		0.00	2	0.00
24	2016	Santiam R S Fk	091120	32,152	297,836	16	0.05	16	0.05	176	0.55	208	0.65

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
24	2016	Santiam R S Fk	091121	32,212	426,640	2	0.01	11	0.03	122	0.38	135	0.42
24	2016	Santiam R S Fk	091122	54,453	298,789	36	0.07	29	0.05	154	0.28	220	0.40
24	2017	Blind Slough	091023	23,732	130,489	7	0.03	111	0.47	21	0.09	139	0.58
24	2017	Gnat Cr	091024	27,008	398,366	3	0.01	23	0.08	9	0.03	35	0.13
24	2017	Gnat Cr	091195	28,252	248,470	6	0.02	13	0.04	3	0.01	22	0.08
24	2017	Santiam R S Fk	091269	52,865	304,151	21	0.04	61	0.12	182	0.34	265	0.50
24	2017	Santiam R S Fk	091270	31,865	304,716	11	0.04	65	0.20	152	0.48	228	0.72
24	2017	Santiam R S Fk	091271	31,977	170,012	42	0.13	64	0.20	157	0.49	263	0.82
24	2017	Youngs R & Bay	091022	24,022	360,690	19	0.08	158	0.66	18	0.08	195	0.81
24	2017	Youngs R & Bay	091203	26,532	254,628	2	0.01	111	0.42	11	0.04	124	0.47
24	2018	Blind Slough	091296	23,069	198,050	31	0.13	156	0.68	23	0.10	210	0.91
24	2018	Gnat Cr	091297	27,511	585,258	4	0.02	42	0.15	11	0.04	57	0.21
24	2018	Santiam R S Fk	091392	55,315	299,000	15	0.03	34	0.06	51	0.09	99	0.18
24	2018	Santiam R S Fk	091393	32,205	596,394	53	0.16	68	0.21	254	0.79	375	1.16
24	2018	Santiam R S Fk	091394	33,274	127,008	31	0.09	44	0.13	127	0.38	203	0.61
24	2018	Youngs R & Bay	091295	25,915	144,876	16	0.06	145	0.56	11	0.04	172	0.66
24	2019	Santiam R S Fk	091446	54,616	303,420	14	0.03	25	0.05	101	0.19	140	0.26
24	2019	Santiam R S Fk	091447	33,586	354,759	11	0.03	4	0.01	54	0.16	69	0.20
24	2019	Santiam R S Fk	091448	32,703	397,403	21	0.06	7	0.02	76	0.23	104	0.32
24	2020	Blind Slough	091526	27,083	371,470		0.00	3	0.01	3	0.01	6	0.02
24	2020	Gnat Cr	091527	27,902	564,789		0.00		0.00	1	0.00	1	0.00
24	2020	Santiam R S Fk	091596	53,326	306,470	9	0.02		0.00	5	0.01	14	0.03
24	2020	Santiam R S Fk	091669	208,307	412,489	13	0.01	1	0.00	6	0.00	20	0.01
24	2020	Youngs R & Bay	091522	26,457	789,086		0.00	3	0.01	4	0.02	7	0.03
24	2021	Blind Slough	091771	26,639	379,989		0.00		0.00	12	0.05	12	0.05
24	2021	Gnat Cr	091772	27,112	292,107		0.00		0.00	12	0.04	12	0.04
24	2021	Klaskanine R NF	091766	23,108	489,422		0.00		0.00	1	0.00	1	0.00
CHS		Trask R											
34	2010	Trask R	094342	34,245	232,873	97	0.28	6	0.02	122	0.36	225	0.66
34	2011	Trask R	094220	33,391	208,549	75	0.22	7	0.02	91	0.27	172	0.52
34	2012	Trask R	094633	33,389	186,473	119	0.36	6	0.02	166	0.50	291	0.87
34	2013	Trask R	090781	33,269	71,700	27	0.08	5	0.02	48	0.14	80	0.24
34	2014	Trask R	090466	33,037	33,037	5	0.02	2	0.01	26	0.08	34	0.10
34	2014	Trask R	090837	26,205	66,981	9	0.03	2	0.01	26	0.10	37	0.14
34	2015	Trask R	090175	32,057	99,491	14	0.04	1	0.00	51	0.16	65	0.20
34	2016	Trask R	091159	30,348	91,134	16	0.05	7	0.02	63	0.21	86	0.28
34	2017	Trask R	091214	31,182	329,914	10	0.03	3	0.01	30	0.10	43	0.14
34	2018	Trask R	091327	32,930	391,406	39	0.12	8	0.02	11	0.03	58	0.18
34	2019	Trask R	091325	32,685	367,828	5	0.02	8	0.02	12	0.04	25	0.08
34	2020	Trask R	091557	31,806	368,200	4	0.01	1	0.00	6	0.02	11	0.03
CHS		Umatilla R											
91	2009	Umatilla R	090362	129,640	131,882		0.00		0.00	43	0.03	43	0.03

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
91	2009	Umatilla R	093001	49,046	226,048		0.00	20	0.04	71	0.14	91	0.19
91	2010	Umatilla R	090469	43,900	211,015	2	0.00	47	0.11	97	0.22	146	0.33
91	2010	Umatilla R	090470	42,834	194,075		0.00	130	0.30	119	0.28	249	0.58
91	2010	Umatilla R	090471	50,538	224,012	1	0.00	113	0.22	123	0.24	236	0.47
91	2010	Umatilla R	090485	163,263	163,323	1	0.00	32	0.02	350	0.21	383	0.23
91	2011	Umatilla R	090635	42,951	239,729		0.00	17	0.04	22	0.05	39	0.09
91	2011	Umatilla R	090636	43,260	240,193	4	0.01	132	0.31	186	0.43	322	0.75
91	2011	Umatilla R	090643	51,035	238,905	1	0.00	106	0.21	208	0.41	316	0.62
91	2011	Umatilla R	090652	170,588	171,336	1	0.00	100	0.06	401	0.23	502	0.29
91	2012	Umatilla R	090719	162,113	164,082	3	0.00	33	0.02	407	0.25	443	0.27
91	2012	Umatilla R	090729	54,598	224,459	1	0.00	90	0.16	120	0.22	211	0.39
91	2012	Umatilla R	090733	43,277	234,381		0.00	9	0.02	13	0.03	22	0.05
91	2012	Umatilla R	090734	44,319	234,524		0.00	6	0.01	11	0.02	17	0.04
91	2013	Umatilla R	090846	43,085	453,530	3	0.01	42	0.10	53	0.12	99	0.23
91	2013	Umatilla R	090847	51,675	229,666	2	0.00	138	0.27	119	0.23	260	0.50
91	2013	Umatilla R	090861	147,216	147,216	2	0.00		0.00	79	0.05	81	0.06
91	2014	Umatilla R	090903	43,481	464,284		0.00	27	0.06	74	0.17	102	0.23
91	2014	Umatilla R	090910	55,559	243,585	3	0.01	58	0.10	131	0.24	192	0.35
91	2015	Umatilla R	091039	40,743	490,264		0.00		0.00	5	0.01	5	0.01
91	2015	Umatilla R	091042	54,183	250,401		0.00		0.00	6	0.01	6	0.01
91	2015	Umatilla R	091050	160,879	160,879	1	0.00	1	0.00	149	0.09	151	0.09
91	2016	Umatilla R	090845	37,432	37,432		0.00		0.00	24	0.07	24	0.07
91	2016	Umatilla R	091166	41,732	488,169		0.00		0.00	25	0.06	25	0.06
91	2016	Umatilla R	091170	56,182	211,445		0.00		0.00	29	0.05	29	0.05
91	2017	Umatilla R	091220	41,463	122,215	4	0.01		0.00	33	0.08	37	0.09
91	2017	Umatilla R	091221	40,492	457,185	2	0.00	5	0.01	19	0.05	25	0.06
91	2017	Umatilla R	091223	49,452	227,957		0.00	8	0.02	101	0.20	110	0.22
91	2018	Umatilla R	091338	44,631	44,960	1	0.00	7	0.02	94	0.21	102	0.23
91	2018	Umatilla R	091339	42,491	403,675	4	0.01	9	0.02	62	0.15	75	0.18
91	2018	Umatilla R	091340	41,807	141,824		0.00	19	0.05	65	0.16	84	0.20
91	2019	Umatilla R	091342	54,441	232,443		0.00	14	0.03	12	0.02	26	0.05
91	2019	Umatilla R	094144	42,898	397,551		0.00	3	0.01	6	0.01	9	0.02
91	2019	Umatilla R	094161	42,453	42,544		0.00		0.00	4	0.01	4	0.01
91	2020	Umatilla R	091567	42,130	42,415		0.00		0.00	1	0.00	1	0.00
CHS	Umatilla R X												
91X	2014	Umatilla R	090918	160,722	169,265		0.00	2	0.00	153	0.10	155	0.10
CHS	Upr Gr Ronde												
80	2009	Grande Ronde R 2	090285	58,853	61,446		0.00		0.00	40	0.07	40	0.07
80	2009	Grande Ronde R 2	090286	57,194	60,002		0.00		0.00	42	0.07	42	0.07
80	2009	Grande Ronde R 2	090287	65,965	67,820		0.00	1	0.00	55	0.08	56	0.08
80	2009	Grande Ronde R 2	090379	53,114	53,114		0.00	15	0.03	16	0.03	32	0.06
80	2010	Grande Ronde R 2	090396	69,028	70,286		0.00	27	0.04	79	0.11	106	0.15

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
80	2010	Grande Ronde R 2	090397	66,428	66,956		0.00	48	0.07	67	0.10	115	0.17
80	2010	Grande Ronde R 2	090398	71,480	72,192		0.00	17	0.02	157	0.22	174	0.24
80	2010	Grande Ronde R 2	090399	74,625	76,304		0.00	14	0.02	89	0.12	103	0.14
80	2011	Grande Ronde R 2	090543	69,365	74,780		0.00	60	0.09	35	0.05	95	0.14
80	2011	Grande Ronde R 2	090544	76,455	80,512		0.00	57	0.07	33	0.04	90	0.12
80	2011	Grande Ronde R 2	090545	65,196	68,999		0.00	23	0.04	108	0.17	131	0.20
80	2011	Grande Ronde R 2	090546	62,860	66,558		0.00	27	0.04	133	0.21	160	0.25
80	2012	Grande Ronde R 2	090758	58,016	59,664		0.00	33	0.06	30	0.05	63	0.11
80	2012	Grande Ronde R 2	090759	60,144	63,355		0.00	27	0.04	47	0.08	74	0.12
80	2012	Grande Ronde R 2	090760	58,242	59,893		0.00		0.00	47	0.08	47	0.08
80	2012	Grande Ronde R 2	090761	55,972	58,257		0.00	1	0.00	80	0.14	81	0.14
80	2013	Grande Ronde R 2	090796	53,591	53,998		0.00	15	0.03	53	0.10	68	0.13
80	2013	Grande Ronde R 2	090797	49,988	52,088		0.00		0.00	37	0.07	37	0.07
80	2013	Grande Ronde R 2	090798	53,845	54,918		0.00	3	0.01	32	0.06	35	0.07
80	2013	Grande Ronde R 2	090799	60,781	63,439		0.00	24	0.04	33	0.05	57	0.09
80	2014	Grande Ronde R 2	090949	56,778	59,023		0.00	9	0.02	39	0.07	48	0.09
80	2014	Grande Ronde R 2	090950	57,868	60,135	2	0.00	1	0.00	57	0.10	60	0.10
80	2014	Grande Ronde R 2	090951	58,305	61,054		0.00	11	0.02	34	0.06	46	0.08
80	2014	Grande Ronde R 2	090952	57,985	60,120		0.00	13	0.02	43	0.07	56	0.10
80	2015	Grande Ronde R 2	091067	63,044	65,066		0.00		0.00	39	0.06	39	0.06
80	2015	Grande Ronde R 2	091068	59,353	63,213		0.00	1	0.00	36	0.06	38	0.06
80	2015	Grande Ronde R 2	091069	61,185	62,844		0.00	3	0.01	37	0.06	41	0.07
80	2015	Grande Ronde R 2	091070	62,954	64,153		0.00	6	0.01	37	0.06	44	0.07
80	2016	Grande Ronde R 2	091096	53,146	55,378		0.00		0.00	20	0.04	20	0.04
80	2016	Grande Ronde R 2	091097	51,610	55,206		0.00		0.00	41	0.08	41	0.08
80	2016	Grande Ronde R 2	091098	55,494	57,064		0.00		0.00	32	0.06	32	0.06
80	2016	Grande Ronde R 2	091099	52,029	54,166		0.00	3	0.01	37	0.07	40	0.08
80	2017	Grande Ronde R 2	090289	61,127	62,221		0.00		0.00	51	0.08	51	0.08
80	2017	Grande Ronde R 2	090293	61,628	63,473		0.00		0.00	37	0.06	37	0.06
80	2017	Grande Ronde R 2	090294	59,334	61,679		0.00	4	0.01	37	0.06	41	0.07
80	2017	Grande Ronde R 2	090295	61,011	62,722		0.00	12	0.02	46	0.07	58	0.09
80	2018	Grande Ronde R 2	091362	60,531	63,205		0.00		0.00	38	0.06	38	0.06
80	2018	Grande Ronde R 2	091363	52,667	55,502		0.00		0.00	10	0.02	10	0.02
80	2018	Grande Ronde R 2	091364	58,494	60,587		0.00	9	0.02	59	0.10	69	0.12
80	2018	Grande Ronde R 2	091365	56,967	60,829		0.00	12	0.02	23	0.04	35	0.06
80	2019	Grande Ronde R 2	091416	57,859	57,859		0.00	2	0.00	5	0.01	7	0.01
80	2019	Grande Ronde R 2	091417	59,741	59,741		0.00		0.00	29	0.05	29	0.05
80	2019	Grande Ronde R 2	091418	59,404	59,404		0.00	6	0.01	24	0.04	30	0.05
80	2019	Grande Ronde R 2	091419	56,394	56,394		0.00		0.00	5	0.01	5	0.01
80	2020	Grande Ronde R 2	091685	64,601	64,601		0.00		0.00	2	0.00	2	0.00
CHS	Warm Sp R												
102	2009	Warm Springs R	053668	29,283	29,519		0.00		0.00	68	0.23	68	0.23

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
102	2009	Warm Springs R	053669	29,118	29,531		0.00	2	0.01	96	0.33	97	0.33
102	2009	Warm Springs R	053670	28,860	29,509		0.00	17	0.06	109	0.38	126	0.44
102	2009	Warm Springs R	053671	28,825	29,534		0.00	2	0.01	90	0.31	91	0.32
102	2009	Warm Springs R	053672	28,097	29,329		0.00	7	0.03	52	0.18	59	0.21
102	2009	Warm Springs R	053673	28,346	29,466		0.00	2	0.01	140	0.49	142	0.50
102	2009	Warm Springs R	053785	28,612	29,558	3	0.01	6	0.02	121	0.42	131	0.46
102	2009	Warm Springs R	053786	28,392	29,575		0.00	9	0.03	127	0.45	136	0.48
102	2009	Warm Springs R	053787	29,223	29,518		0.00	1	0.00	108	0.37	109	0.37
102	2009	Warm Springs R	053788	28,432	29,494	2	0.01	4	0.02	126	0.44	133	0.47
102	2009	Warm Springs R	054678	24,108	24,854		0.00		0.00	127	0.53	127	0.53
102	2009	Warm Springs R	055247	98,533	99,528		0.00	21	0.02	70	0.07	91	0.09
102	2009	Warm Springs R	055248	117,629	117,865		0.00		0.00	135	0.12	135	0.12
102	2010	Warm Springs R	054196	26,845	27,006		0.00	16	0.06	51	0.19	67	0.25
102	2010	Warm Springs R	054197	29,105	31,178		0.00	51	0.17	87	0.30	138	0.48
102	2010	Warm Springs R	054198	16,984	31,621	1	0.01	70	0.41	98	0.57	169	0.99
102	2010	Warm Springs R	054199	24,364	25,014		0.00	45	0.18	78	0.32	123	0.50
102	2010	Warm Springs R	054264	29,038	29,627		0.00	14	0.05	94	0.32	108	0.37
102	2010	Warm Springs R	054265	9,792	9,991		0.00	47	0.48	19	0.20	66	0.68
102	2010	Warm Springs R	055120	29,048	29,632	2	0.01	60	0.21	110	0.38	171	0.59
102	2010	Warm Springs R	055434	290,963	296,876	5	0.00	462	0.16	1,035	0.36	1,503	0.52
102	2011	Warm Springs R	055563	79,679	80,801	4	0.01	135	0.17	857	1.08	997	1.25
102	2011	Warm Springs R	055564	80,497	80,656	1	0.00	128	0.16	827	1.03	956	1.19
102	2011	Warm Springs R	055565	80,304	80,626	5	0.01	102	0.13	758	0.94	865	1.08
102	2011	Warm Springs R	055566	80,488	80,649	5	0.01	125	0.15	947	1.18	1,077	1.34
102	2011	Warm Springs R	055567	84,279	84,959	4	0.01	79	0.09	471	0.56	554	0.66
102	2011	Warm Springs R	055568	82,987	83,995	2	0.00	136	0.16	802	0.97	940	1.13
102	2011	Warm Springs R	055569	169,670	171,032	8	0.00	233	0.14	1,252	0.74	1,492	0.88
102	2011	Warm Springs R	055570	119,617	120,828	7	0.01	132	0.11	1,023	0.86	1,162	0.97
102	2011	Warm Springs R	055584	107,346	107,346		0.00		0.00	1	0.00	1	0.00
102	2012	Warm Springs R	054672	74,504	74,803	1	0.00	46	0.06	52	0.07	98	0.13
102	2012	Warm Springs R	054673	74,233	74,981	2	0.00	112	0.15	55	0.07	170	0.23
102	2012	Warm Springs R	054674	73,796	75,149		0.00	80	0.11	34	0.05	115	0.16
102	2012	Warm Springs R	054868	64,355	68,903	2	0.00	65	0.10	77	0.12	144	0.22
102	2012	Warm Springs R	055631	154,571	157,375	4	0.00	132	0.09	166	0.11	302	0.20
102	2012	Warm Springs R	055632	116,067	117,477	2	0.00	103	0.09	118	0.10	223	0.19
102	2012	Warm Springs R	055633	156,038	158,254	9	0.01	257	0.16	166	0.11	432	0.28
102	2013	Warm Springs R	055640	102,755	113,677	5	0.00	20	0.02	403	0.39	428	0.42
102	2013	Warm Springs R	055722	84,088	90,005	2	0.00	53	0.06	418	0.50	474	0.56
102	2013	Warm Springs R	055723	82,072	89,991	4	0.01	43	0.05	284	0.35	332	0.40
102	2013	Warm Springs R	055724	75,915	77,782	2	0.00	58	0.08	265	0.35	325	0.43
102	2014	Warm Springs R	054373	14,337	14,872	1	0.01	6	0.04	34	0.24	42	0.29
102	2014	Warm Springs R	055725	51,030	51,650		0.00	14	0.03	137	0.27	151	0.30

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						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
102	2014	Warm Springs R	055726	63,982	66,509		0.00	44	0.07	171	0.27	215	0.34
102	2015	Warm Springs R	053570	39,909	43,847		0.00		0.00	20	0.05	20	0.05
102	2015	Warm Springs R	054574	14,002	14,489		0.00		0.00	8	0.06	8	0.06
102	2015	Warm Springs R	054787	109,778	115,914		0.00	7	0.01	104	0.09	111	0.10
102	2015	Warm Springs R	055080	73,514	76,069		0.00	1	0.00	34	0.05	36	0.05
102	2015	Warm Springs R	055534	7,346	8,236		0.00		0.00	3	0.04	3	0.04
102	2015	Warm Springs R	055559	38,674	39,846		0.00		0.00	11	0.03	11	0.03
102	2015	Warm Springs R	055916	113,641	115,914	1	0.00	3	0.00	115	0.10	120	0.11
102	2016	Warm Springs R	055630	190,344	192,049		0.00		0.00	199	0.10	199	0.10
102	2016	Warm Springs R	055650	89,260	92,183		0.00	1	0.00	49	0.06	50	0.06
102	2016	Warm Springs R	055685	51,881	52,171		0.00	1	0.00	23	0.04	24	0.05
102	2016	Warm Springs R	055755	202,075	205,038		0.00		0.00	62	0.03	62	0.03
102	2017	Warm Springs R	054786	74,292	77,143		0.00	15	0.02	165	0.22	180	0.24
102	2017	Warm Springs R	056032	120,045	123,541		0.00	11	0.01	192	0.16	203	0.17
102	2017	Warm Springs R	056212	312,427	323,865		0.00	62	0.02	677	0.22	739	0.24
102	2017	Warm Springs R	056213	350,011	363,232	1	0.00	60	0.02	913	0.26	975	0.28
102	2018	Warm Springs R	056333	277,213	281,133	3	0.00	83	0.03	612	0.22	698	0.25
102	2019	Warm Springs R	056397	263,731	267,461		0.00	114	0.04	182	0.07	296	0.11
CHS	Warm Sp/RB												
41	2018	Warm Springs R	056334	228,471	230,310		0.00	69	0.03	264	0.12	334	0.15
CHS	Willamette R												
22	2009	Blind Slough	090340	23,938	253,503	5	0.02	26	0.11		0.00	32	0.13
22	2009	Tongue Pt	090341	27,136	100,557	7	0.03	54	0.20	10	0.04	71	0.26
22	2009	Willamette R MFK	090232	32,067	654,437	12	0.04	59	0.18	100	0.31	171	0.53
22	2009	Willamette R MFK	090264	54,238	314,450	33	0.06	261	0.48	217	0.40	511	0.94
22	2009	Willamette R MFK	090384	90,617	207,486	5	0.01	58	0.06	127	0.14	190	0.21
22	2009	Willamette R MFK	090385	92,591	331,983	40	0.04	167	0.18	243	0.26	450	0.49
22	2009	Willamette R MFK	090386	78,446	236,542	36	0.05	286	0.36	563	0.72	884	1.13
22	2009	Youngs R & Bay	090339	27,256	453,470		0.00	84	0.31	4	0.01	88	0.32
22	2010	Lookout Pt Res	090539	206,640	206,640	16	0.01	47	0.02	78	0.04	141	0.07
22	2010	Willamette R MFK	090371	31,644	719,188	5	0.02	32	0.10	33	0.10	70	0.22
22	2010	Willamette R MFK	090472	51,415	315,787	13	0.03	91	0.18	139	0.27	243	0.47
22	2010	Willamette R MFK	090530	100,488	357,607	16	0.02	64	0.06	96	0.10	176	0.18
22	2010	Willamette R MFK	090531	93,788	208,235	3	0.00	19	0.02	10	0.01	32	0.03
22	2010	Willamette R MFK	090532	110,878	241,040	165	0.15	704	0.63	1,098	0.99	1,967	1.77
22	2011	Willamette R MFK	090375	31,811	345,768	34	0.11	75	0.23	69	0.22	178	0.56
22	2011	Willamette R MFK	090577	80,271	226,523	107	0.13	256	0.32	285	0.36	648	0.81
22	2011	Willamette R MFK	090578	84,194	238,509	142	0.17	480	0.57	726	0.86	1,347	1.60
22	2011	Willamette R MFK	090579	71,779	325,000	52	0.07	125	0.17	145	0.20	322	0.45
22	2011	Willamette R MFK	090580	27,644	136,207	3	0.01	15	0.05	5	0.02	23	0.08
22	2011	Willamette R MFK	090581	49,527	345,769	34	0.07	131	0.27	183	0.37	349	0.70
22	2011	Willamette R MFK	090591	52,356	161,486	3	0.01	24	0.05	21	0.04	49	0.09

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
22	2012	Willamette R Mfk	090691	83,943	228,107	5	0.01	25	0.03	7	0.01	37	0.04
22	2012	Willamette R Mfk	090692	79,220	240,238	76	0.10	191	0.24	217	0.27	484	0.61
22	2012	Willamette R Mfk	090693	79,113	227,095	1	0.00	11	0.01	2	0.00	14	0.02
22	2012	Willamette R Mfk	090694	49,104	668,754	14	0.03	38	0.08	41	0.08	93	0.19
22	2012	Willamette R Mfk	090695	29,030	299,319	1	0.00	18	0.06	8	0.03	27	0.09
22	2013	Willamette Cst Fk	090876	53,081	136,900	26	0.05	108	0.20	5	0.01	139	0.26
22	2013	Willamette R Mfk	090632	31,116	327,061	13	0.04	34	0.11	27	0.09	74	0.24
22	2013	Willamette R Mfk	090848	53,439	349,384	26	0.05	50	0.09	55	0.10	131	0.25
22	2013	Willamette R Mfk	090878	109,558	280,917	37	0.03	217	0.20	208	0.19	462	0.42
22	2013	Willamette R Mfk	090879	103,214	282,777	5	0.00	3	0.00	2	0.00	10	0.01
22	2013	Willamette R Mfk	090880	109,063	286,254		0.00	14	0.01	12	0.01	26	0.02
22	2014	Willamette Cst Fk	090931	64,453	110,616	8	0.01	85	0.13	19	0.03	113	0.18
22	2014	Willamette R Mfk	090926	98,722	275,475	2	0.00	37	0.04	50	0.05	90	0.09
22	2014	Willamette R Mfk	090927	98,489	203,071	3	0.00	22	0.02	32	0.03	57	0.06
22	2014	Willamette R Mfk	090928	99,140	203,572	18	0.02	122	0.12	181	0.18	320	0.32
22	2014	Willamette R Mfk	090929	96,538	442,833	25	0.03	130	0.13	132	0.14	288	0.30
22	2014	Willamette R Mfk	090930	103,143	220,863	37	0.04	334	0.32	553	0.54	924	0.90
22	2015	Willamette R Mfk	090994	106,736	258,549		0.00	49	0.05	93	0.09	143	0.13
22	2015	Willamette R Mfk	090995	100,287	192,121	1	0.00	18	0.02	60	0.06	79	0.08
22	2015	Willamette R Mfk	090996	94,987	184,440	5	0.01	25	0.03	61	0.06	91	0.10
22	2015	Willamette R Mfk	090997	107,034	376,882	15	0.01	24	0.02	67	0.06	106	0.10
22	2015	Willamette R Mfk	090998	112,714	209,505	36	0.03	136	0.12	464	0.41	636	0.56
22	2016	Willamette R Mfk	091125	111,485	199,080	27	0.02	145	0.13	328	0.29	501	0.45
22	2016	Willamette R Mfk	091126	110,135	198,800	16	0.01	73	0.07	147	0.13	237	0.22
22	2016	Willamette R Mfk	091127	109,445	198,991	2	0.00	35	0.03	94	0.09	130	0.12
22	2016	Willamette R Mfk	091128	112,890	198,750	14	0.01	77	0.07	120	0.11	212	0.19
22	2016	Willamette R Mfk	091129	111,186	157,710	17	0.02	151	0.14	355	0.32	522	0.47
22	2017	Willamette Cst Fk	091268	83,949	268,436	27	0.03	139	0.17	14	0.02	181	0.22
22	2017	Willamette R Mfk	091263	109,296	553,399	3	0.00	24	0.02	38	0.04	66	0.06
22	2017	Willamette R Mfk	091264	110,980	314,658	15	0.01	61	0.06	103	0.09	180	0.16
22	2017	Willamette R Mfk	091265	110,871	237,412	26	0.02	100	0.09	153	0.14	278	0.25
22	2017	Willamette R Mfk	091266	108,788	235,881	13	0.01	110	0.10	118	0.11	241	0.22
22	2017	Willamette R Mfk	091267	109,011	235,700	25	0.02	231	0.21	260	0.24	516	0.47
22	2018	Blind Slough	091320	25,669	112,064	8	0.03	103	0.40	6	0.02	117	0.46
22	2018	Klaskanine R NF	091318	26,839	69,135	1	0.00	57	0.21	8	0.03	67	0.25
22	2018	Willamette Cst Fk	091386	433,360	541,700	8	0.00	26	0.01	49	0.01	84	0.02
22	2018	Willamette Cst Fk	091388	109,474	243,275	27	0.02	145	0.13	159	0.15	331	0.30
22	2018	Willamette Cst Fk	091389	112,174	242,800	19	0.02	102	0.09	98	0.09	220	0.20
22	2018	Willamette Cst Fk	091390	112,682	243,900	7	0.01	134	0.12	166	0.15	307	0.27
22	2018	Willamette Cst Fk	091391	77,340	270,259	52	0.07	183	0.24	56	0.07	291	0.38
22	2018	Willamette R Mfk	091387	109,682	305,690	29	0.03	79	0.07	87	0.08	194	0.18
22	2018	Youngs R & Bay	091319	24,855	377,962	24	0.10	441	1.77	9	0.04	473	1.90

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
22	2019	Blind Slough	091464	27,015	404,688	9	0.03	185	0.68	12	0.04	206	0.76
22	2019	Gnat Cr	091465	27,754	630,663	6	0.02	120	0.43	9	0.03	134	0.48
22	2019	Klaskanine R NF	091481	30,888	502,403	3	0.01	218	0.71	11	0.04	232	0.75
22	2019	Willamette Cst Fk	091445	81,216	255,363	26	0.03	43	0.05	21	0.03	90	0.11
22	2019	Willamette R MFK	091440	105,300	585,000		0.00	1	0.00	10	0.01	11	0.01
22	2019	Willamette R MFK	091441	111,626	305,210	11	0.01	25	0.02	103	0.09	139	0.12
22	2019	Willamette R MFK	091442	111,257	247,810		0.00	6	0.01	39	0.04	45	0.04
22	2019	Willamette R MFK	091443	108,991	247,380	5	0.00	6	0.01	46	0.04	58	0.05
22	2019	Willamette R MFK	091444	104,662	236,380	10	0.01	58	0.06	152	0.14	220	0.21
22	2019	Youngs R & Bay	091463	26,411	123,349	12	0.04	174	0.66	6	0.02	192	0.73
22	2019	Youngs R & Bay	091482	25,423	616,262		0.00	10	0.04	2	0.01	12	0.05
22	2020	Big Cr	091519	25,168	251,366		0.00	2	0.01	9	0.04	11	0.04
22	2020	Mosby Cr	091593	47,402	254,990		0.00	4	0.01		0.00	4	0.01
22	2020	Willamette R MFK	091666	81,073	290,485	6	0.01		0.00	4	0.00	10	0.01
COHO	Big Cr												
13	2009	Big Cr	094130	27,446	377,890	28	0.10	72	0.26	85	0.31	185	0.68
13	2009	Big Cr	094131	27,077	160,512	8	0.03	52	0.19	64	0.23	123	0.46
13	2009	Klaskanine R NF	090336	14,501	392,314	18	0.12	105	0.73	67	0.46	190	1.31
13	2009	Klaskanine R SF	090344	26,571	368,980	18	0.07	120	0.45	33	0.13	171	0.65
13	2010	Big Cr	094203	27,247	148,082	4	0.02	115	0.42	109	0.40	229	0.84
13	2010	Big Cr	094204	27,264	384,000	36	0.13	227	0.83	233	0.86	497	1.82
13	2010	Klaskanine R NF	094642	26,275	489,060	13	0.05	237	0.90	53	0.20	303	1.15
13	2010	Klaskanine R SF	090450	26,604	390,610	16	0.06	67	0.25	11	0.04	94	0.35
13	2011	Big Cr	094310	28,035	405,516	221	0.79	962	3.43	652	2.32	1,834	6.54
13	2011	Big Cr	094311	28,071	166,100	273	0.97	901	3.21	766	2.73	1,940	6.91
13	2011	Klaskanine R NF	094236	24,869	607,824	121	0.49	1,044	4.20	241	0.97	1,406	5.65
13	2011	Klaskanine R SF	094201	24,846	386,668	65	0.26	391	1.57	89	0.36	544	2.19
13	2012	Big Cr	090369	26,712	537,811	62	0.23	75	0.28	89	0.33	226	0.84
13	2012	Klaskanine R NF	090462	27,132	705,070	102	0.38	183	0.68	87	0.32	372	1.37
13	2012	Klaskanine R SF	090618	27,035	336,856	87	0.32	184	0.68	84	0.31	355	1.31
13	2013	Big Cr	090370	25,679	537,661	8	0.03	71	0.28	65	0.25	144	0.56
13	2013	Klaskanine R NF	090617	24,910	748,972	8	0.03	134	0.54	38	0.15	179	0.72
13	2013	Klaskanine R SF	090745	24,947	260,289	4	0.02	86	0.35	39	0.16	130	0.52
13	2014	Big Cr	090456	26,542	568,328	31	0.12	160	0.60	119	0.45	309	1.17
13	2014	Klaskanine R NF	090743	25,577	1,047,816	12	0.05	65	0.25	16	0.06	93	0.36
13	2014	Klaskanine R SF	090835	25,978	209,923	49	0.19	332	1.28	178	0.69	559	2.15
13	2015	Big Cr	090605	26,618	536,144	28	0.10	40	0.15	55	0.20	122	0.46
13	2015	Klaskanine R NF	090616	26,425	689,066	12	0.05	14	0.05	11	0.04	37	0.14
13	2015	Klaskanine R NF	091025	25,251	267,886	5	0.02	8	0.03	8	0.03	20	0.08
13	2016	Big Cr	090908	55,491	567,394	203	0.37	193	0.35	300	0.54	696	1.25
13	2016	Blind Slough	091146	24,183	340,123	172	0.71	369	1.53	25	0.10	567	2.34
13	2016	Klaskanine R SF	091145	25,531	198,622	76	0.30	61	0.24	29	0.11	166	0.65

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
13	2016	Tongue Pt	091147	25,936	472,615	325	1.25	338	1.30	15	0.06	678	2.61
13	2016	Youngs R & Bay	091151	24,483	556,056	81	0.33	87	0.35	15	0.06	183	0.75
13	2017	Big Cr	090909	54,568	733,835	30	0.05	178	0.33	259	0.47	466	0.85
13	2017	Klaskanine R NF	091192	26,573	586,436	7	0.03	62	0.23	20	0.08	89	0.33
13	2017	Klaskanine R NF	091199	27,773	364,680	2	0.01	28	0.10	26	0.09	57	0.21
13	2017	Klaskanine R NF	091204	27,439	366,291		0.00	79	0.29	43	0.16	122	0.45
13	2017	Tongue Pt	091201	22,762	424,659	28	0.12	319	1.40	3	0.01	350	1.54
13	2018	Big Cr	091225	54,497	747,950	265	0.49	543	1.00	734	1.35	1,542	2.83
13	2018	Klaskanine R NF	091294	27,920	600,392	70	0.25	230	0.83	111	0.40	412	1.47
13	2018	Klaskanine R SF	091307	27,598	333,094	115	0.42	280	1.02	109	0.40	505	1.83
13	2019	Big Cr	091343	55,471	751,019	170	0.31	662	1.19	530	0.96	1,362	2.46
13	2019	Blind Slough	091473	23,872	367,768	77	0.32	635	2.66	10	0.04	722	3.02
13	2019	Klaskanine R NF	091462	25,155	606,405	12	0.05	53	0.21	76	0.30	142	0.56
13	2019	Klaskanine R NF	091471	24,068	819,198	31	0.13	81	0.34	107	0.44	219	0.91
13	2019	Klaskanine R SF	091322	19,342	436,803	57	0.30	200	1.04	62	0.32	320	1.65
13	2019	Tongue Pt	091470	23,665	646,199	109	0.46	519	2.19	10	0.04	638	2.70
13	2019	Youngs R & Bay	091469	23,699	745,478	88	0.37	971	4.10	13	0.06	1,072	4.52
13	2020	Big Cr	091569	53,904	728,225	73	0.14	132	0.24	69	0.13	274	0.51
13	2020	Blind Slough	091534	26,233	406,158	155	0.59	925	3.53	8	0.03	1,088	4.15
13	2020	Klaskanine R NF	091520	26,661	593,081	3	0.01	87	0.33	27	0.10	117	0.44
13	2020	Klaskanine R NF	091530	22,492	690,978	10	0.04	49	0.22	26	0.11	85	0.38
13	2020	Klaskanine R SF	091536	26,348	372,109	41	0.16	233	0.88	73	0.28	347	1.32
13	2020	Tongue Pt	091537	19,753	336,845	51	0.26	272	1.38	4	0.02	327	1.65
13	2020	Youngs R & Bay	091535	18,409	560,733	86	0.47	254	1.38		0.00	340	1.85
13	2021	Big Cr	091878	53,239	745,236		0.00	27	0.05	85	0.16	112	0.21
13	2021	Blind Slough	091779	23,315	413,874		0.00	5	0.02		0.00	5	0.02
13	2021	Klaskanine R NF	091764	26,723	612,341		0.00		0.00	6	0.02	6	0.02
13	2021	Klaskanine R NF	091775	23,894	754,831	2	0.01		0.00	8	0.03	10	0.04
13	2021	Klaskanine R SF	091773	26,100	379,759		0.00		0.00	7	0.03	7	0.03
13	2021	Tongue Pt	091774	21,042	715,955		0.00	20	0.09	1	0.00	21	0.10
13	2021	Youngs R & Bay	091767	22,955	793,056	2	0.01	16	0.07	1	0.00	19	0.08
COHO	Eagle Cr												
101	2009	Eagle Cr	054388	24,834	25,034		0.00		0.00	69	0.28	69	0.28
101	2009	Eagle Cr	054389	24,850	296,657	10	0.04	14	0.06	67	0.27	92	0.37
101	2010	Eagle Cr	054582	24,312	25,064		0.00	3	0.01	278	1.14	281	1.15
101	2010	Eagle Cr	054583	24,534	319,936	17	0.07	22	0.09	239	0.97	278	1.13
101	2011	Eagle Cr	054588	25,006	357,563	181	0.72	279	1.12	999	3.99	1,459	5.83
101	2011	Eagle Cr	054589	23,656	25,006	87	0.37	21	0.09	970	4.10	1,078	4.56
101	2012	Eagle Cr	054835	24,084	344,229	44	0.18	39	0.16	197	0.82	279	1.16
101	2012	Eagle Cr	054836	22,594	23,763	12	0.05		0.00	212	0.94	224	0.99
101	2013	Eagle Cr	055266	14,905	307,352	13	0.08	38	0.25	218	1.46	268	1.80
101	2013	Eagle Cr	055267	23,654	23,881	3	0.01	10	0.04	321	1.36	333	1.41

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
101	2014	Eagle Cr	055554	23,326	23,513	9	0.04	10	0.04	536	2.30	555	2.38
101	2014	Eagle Cr	055555	23,515	285,143	46	0.19	150	0.64	291	1.24	487	2.07
101	2015	Eagle Cr	055637	24,301	322,613	90	0.37	61	0.25	158	0.65	309	1.27
101	2015	Eagle Cr	055638	21,603	21,603		0.00	4	0.02	220	1.02	224	1.04
101	2016	Eagle Cr	055733	24,513	388,810	103	0.42	91	0.37	225	0.92	419	1.71
101	2016	Eagle Cr	055734	24,416	24,513	25	0.10	4	0.02	306	1.25	335	1.37
101	2017	Eagle Cr	055736	23,694	321,320	12	0.05	21	0.09	203	0.85	236	0.99
101	2017	Eagle Cr	055762	23,589	23,773	4	0.02	14	0.06	281	1.19	299	1.27
101	2018	Eagle Cr	055765	22,718	336,376	143	0.63	70	0.31	284	1.25	496	2.19
101	2018	Eagle Cr	055766	22,316	23,621	2	0.01	4	0.02	269	1.20	275	1.23
101	2019	Eagle Cr	055768	23,893	24,226	12	0.05	10	0.04	359	1.50	381	1.59
101	2019	Eagle Cr	055834	24,117	335,089	66	0.27		0.00	292	1.21	358	1.48
101	2020	Eagle Cr	056017	24,118	293,995	63	0.26	43	0.18	6	0.03	112	0.46
101	2020	Eagle Cr	056031	23,852	24,535	19	0.08	5	0.02	11	0.04	35	0.15
101	2020	Eagle Cr	056159	24,315	24,511	49	0.20	47	0.19	6	0.03	103	0.42
COHO	Klaskanine R												
15	2016	Blind Slough	091149	24,097	169,112	157	0.65	367	1.52	13	0.05	538	2.23
15	2016	Klaskanine R NF	091144	26,908	736,029	63	0.23	72	0.27	43	0.16	179	0.66
15	2016	Klaskanine R NF	091153	27,235	522,469	39	0.14	28	0.10	43	0.16	110	0.41
COHO	Rogue R												
52	2009	Rogue R 4	090335	27,461	132,471	2	0.01	2	0.01	237	0.86	241	0.88
52	2010	Rogue R 4	090525	32,271	149,976	2	0.01		0.00	313	0.97	315	0.98
52	2011	Rogue R 4	093625	26,035	164,780		0.00	1	0.00	145	0.56	146	0.56
52	2012	Rogue R 4	090690	26,925	216,000		0.00		0.00	179	0.67	179	0.67
52	2013	Rogue R 4	090576	21,179	77,863		0.00	1	0.00	262	1.23	263	1.24
52	2014	Rogue R 4	090875	26,823	54,740	3	0.01	6	0.02	360	1.34	369	1.38
52	2015	Rogue R 4	090943	25,289	58,203	2	0.01		0.00	175	0.69	177	0.70
52	2016	Rogue R 4	091114	26,540	63,220	3	0.01		0.00	102	0.38	104	0.39
52	2017	Rogue R 4	091262	27,100	40,936		0.00	2	0.01	28	0.10	30	0.11
52	2018	Rogue R 4	090984	26,709	76,750	15	0.06	1	0.00	52	0.19	68	0.26
52	2019	Rogue R 4	091439	27,927	84,885	20	0.07	3	0.01	1,078	3.86	1,102	3.94
52	2020	Rogue R 4	091589	27,728	70,003	16	0.06	1	0.00	33	0.12	50	0.18
COHO	Sandy R												
11	2009	Blind Slough	090360	27,184	388,505	4	0.02	85	0.31		0.00	89	0.33
11	2009	Cedar Cr	090357	29,069	266,691	16	0.05	32	0.11	90	0.31	137	0.47
11	2009	Cedar Cr	090358	23,410	245,803	6	0.03	28	0.12	118	0.50	152	0.65
11	2010	Blind Slough	090461	25,686	372,265	18	0.07	219	0.85	1	0.00	238	0.93
11	2010	Cedar Cr	090458	26,098	223,057	38	0.15	41	0.16	159	0.61	238	0.91
11	2010	Cedar Cr	090459	27,348	239,893	22	0.08	21	0.08	116	0.43	159	0.58
11	2011	Blind Slough	070150	26,802	385,814	61	0.23	811	3.03	1	0.00	873	3.26
11	2011	Blind Slough	093902	23,641	200,463	84	0.35	686	2.90	2	0.01	772	3.27
11	2011	Cedar Cr	093617	24,914	300,174	237	0.95	325	1.31	806	3.24	1,368	5.49

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
11	2012	Cedar Cr	090626	26,888	202,169	124	0.46	142	0.53	196	0.73	463	1.72
11	2013	Blind Slough	090750	22,328	162,376		0.00		0.00	-	0.00	-	0.00
11	2013	Cedar Cr	090744	25,200	200,000	43	0.17	60	0.24	233	0.93	336	1.33
11	2014	Blind Slough	090831	18,475	156,369	2	0.01	14	0.08		0.00	16	0.09
11	2014	Cedar Cr	090830	18,817	199,981	45	0.24	82	0.43	221	1.18	348	1.85
11	2015	Cedar Cr	090828	24,241	198,693	106	0.44	36	0.15	164	0.67	305	1.26
11	2015	Klaskanine R SF	091030	26,554	209,745	12	0.04	13	0.05	7	0.03	31	0.12
11	2015	Tongue Pt	090841	22,848	120,221	53	0.23	180	0.79	9	0.04	243	1.06
11	2016	Cedar Cr	091148	25,360	196,591	156	0.62	58	0.23	60	0.24	275	1.08
11	2017	Cedar Cr	091196	21,640	196,731	22	0.10	44	0.20	61	0.28	127	0.59
11	2018	Cedar Cr	091304	26,645	190,321	215	0.81	164	0.62	587	2.20	966	3.63
11	2019	Cedar Cr	091467	24,995	198,687	128	0.51	63	0.25	800	3.20	990	3.96
11	2020	Cedar Cr	091528	23,940	199,498	45	0.19	46	0.19	69	0.29	161	0.67
11	2021	Cedar Cr	091769	27,759	194,118	12	0.04	12	0.04	13	0.05	36	0.13
COHO	Tanner Cr												
14	2009	Tanner Cr	090266	59,529	365,350	69	0.12	142	0.24	971	1.63	1,181	1.98
14	2009	Tanner Cr	090267	53,271	357,984	7	0.01	45	0.08	1,143	2.15	1,195	2.24
14	2009	Tongue Pt	090345	24,760	479,365		0.00	60	0.24	4	0.02	64	0.26
14	2009	Umatilla R	090346	109,060	987,515	21	0.02	124	0.11	201	0.18	347	0.32
14	2009	Youngs R & Bay	090250	24,953	796,443	6	0.03	115	0.46	2	0.01	123	0.49
14	2010	Tanner Cr	090473	47,789	638,490	34	0.07	56	0.12	517	1.08	607	1.27
14	2010	Tanner Cr	090474	48,834	48,834	3	0.01	23	0.05	593	1.21	619	1.27
14	2010	Tongue Pt	090454	25,058	491,330	64	0.26	493	1.97	31	0.12	589	2.35
14	2010	Youngs R & Bay	090460	25,754	757,474	3	0.01	204	0.79	9	0.04	216	0.84
14	2011	Tanner Cr	090564	52,012	88,685	305	0.59	620	1.19	2,603	5.00	3,528	6.78
14	2011	Tanner Cr	090565	53,068	89,742	291	0.55	682	1.28	2,592	4.88	3,565	6.72
14	2011	Tanner Cr	090637	52,657	90,128	54	0.10	259	0.49	3,201	6.08	3,514	6.67
14	2011	Tanner Cr	090638	53,241	89,914	254	0.48	636	1.19	2,575	4.84	3,465	6.51
14	2011	Tongue Pt	094205	23,192	849,381	243	1.05	1,875	8.08	8	0.03	2,126	9.17
14	2011	Youngs R & Bay	093919	26,744	769,971	130	0.49	965	3.61	13	0.05	1,109	4.15
14	2012	Blind Slough	090728	51,535	402,187	37	0.07	145	0.28		0.00	182	0.35
14	2012	Tanner Cr	090646	56,294	421,677	163	0.29	375	0.67	515	0.91	1,054	1.87
14	2012	Tongue Pt	090622	22,794	498,856	225	0.99	685	3.01	8	0.04	918	4.03
14	2012	Tongue Pt	090727	56,483	429,733	82	0.14	319	0.57	2	0.00	403	0.71
14	2012	Youngs R & Bay	090623	25,382	774,533	132	0.52	430	1.70	4	0.02	566	2.23
14	2013	Blind Slough	090624	27,436	407,545		0.00		0.00	-	0.00	-	0.00
14	2013	Tanner Cr	090851	55,150	353,525	45	0.08	64	0.12	477	0.87	586	1.06
14	2013	Tongue Pt	090749	24,668	493,359	18	0.07	308	1.25	10	0.04	336	1.36
14	2013	Tongue Pt	090850	54,547	441,664	37	0.07	288	0.53	4	0.01	329	0.60
14	2013	Youngs R & Bay	090625	22,196	684,309	50	0.22	317	1.43	1	0.00	368	1.66
14	2014	Blind Slough	090751	26,863	417,874	6	0.02	55	0.21	3	0.01	64	0.24
14	2014	Klaskanine R NF	090842	32,482	504,642	31	0.10	148	0.46	19	0.06	198	0.61

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
14	2014	Tanner Cr	090457	19,878	292,998	84	0.42	114	0.57	397	2.00	595	3.00
14	2014	Tongue Pt	090742	26,201	445,864	11	0.04	227	0.87	8	0.03	247	0.94
14	2014	Tongue Pt	090836	18,055	396,477	47	0.26	383	2.12	4	0.02	434	2.41
14	2014	Youngs R & Bay	090892	23,697	766,193	31	0.13	571	2.41	13	0.06	614	2.59
14	2015	Blind Slough	091021	24,301	349,156	11	0.05	24	0.10	0	0.00	35	0.14
14	2015	Klaskanine R NF	091036	32,445	530,410	4	0.01	10	0.03	8	0.02	21	0.07
14	2015	Lostine R	091043	66,177	502,029	121	0.18	108	0.16	39	0.06	269	0.41
14	2015	Tanner Cr	091026	26,994	201,452	106	0.39	89	0.33	436	1.61	631	2.34
14	2015	Tongue Pt	091027	25,711	396,050	48	0.19	80	0.31	4	0.02	131	0.51
14	2015	Tongue Pt	091029	21,839	230,789	46	0.21	178	0.82	6	0.03	230	1.05
14	2015	Youngs R & Bay	091028	23,573	550,062	60	0.25	125	0.53	1	0.00	185	0.79
14	2016	Klaskanine R NF	091017	27,081	439,287	16	0.06	26	0.10	14	0.05	57	0.21
14	2016	Lostine R	091181	95,586	504,337	133	0.14	71	0.07	67	0.07	271	0.28
14	2016	Tanner Cr	091150	25,704	202,389	283	1.10	154	0.60	778	3.03	1,214	4.72
14	2016	Tongue Pt	091158	23,373	457,567	81	0.34	180	0.77	25	0.11	286	1.22
14	2017	Blind Slough	091193	25,726	426,636	24	0.09	411	1.60	5	0.02	440	1.71
14	2017	Klaskanine R SF	091194	26,989	384,453	6	0.02	71	0.26	37	0.14	114	0.42
14	2017	Lostine R	220021	101,927	453,160	49	0.05	169	0.17	53	0.05	270	0.27
14	2017	Tanner Cr	091197	25,792	225,194	44	0.17	57	0.22	784	3.04	885	3.43
14	2017	Youngs R & Bay	091198	25,726	631,898	34	0.13	539	2.09	4	0.02	577	2.24
14	2018	Blind Slough	091317	25,053	350,934	205	0.82	1,163	4.64	17	0.07	1,384	5.53
14	2018	Klaskanine R NF	091324	27,160	807,205	52	0.19	197	0.73	158	0.58	407	1.50
14	2018	Lostine R	091347	91,723	492,613	345	0.38	506	0.55	30	0.03	881	0.96
14	2018	Tanner Cr	091316	24,749	245,029	280	1.13	232	0.94	1,619	6.54	2,131	8.61
14	2018	Tongue Pt	091313	26,242	529,127	278	1.06	1,556	5.93	8	0.03	1,842	7.02
14	2018	Tongue Pt	091314	22,551	91,852	238	1.06	1,177	5.22	18	0.08	1,433	6.36
14	2018	Youngs R & Bay	091315	25,101	717,121	234	0.93	1,129	4.50	24	0.10	1,387	5.53
14	2019	Lostine R	220017	99,239	528,809	48	0.05	83	0.08	68	0.07	199	0.20
14	2019	Tanner Cr	091472	26,750	259,301	120	0.45	144	0.54	1,237	4.62	1,501	5.61
14	2020	Lostine R	091576	100,993	506,286	54	0.05	113	0.11	18	0.02	186	0.18
14	2020	Tanner Cr	091533	25,930	220,054	72	0.28	144	0.56	422	1.63	638	2.46
14	2021	Tanner Cr	091778	24,199	237,821		0.00	5	0.02	212	0.88	218	0.90
COHO	Umatilla R												
91	2010	Umatilla R	090484	111,660	999,352	7	0.01	133	0.12	321	0.29	461	0.41
91	2011	Umatilla R	090651	108,809	890,820	116	0.11	1,120	1.03	278	0.26	1,514	1.39
91	2012	Umatilla R	090720	106,996	1,005,626	46	0.04	134	0.12	189	0.18	370	0.35
91	2013	Umatilla R	090860	108,895	753,878	17	0.02	324	0.30	155	0.14	496	0.46
91	2014	Umatilla R	090916	109,814	489,490	13	0.01	209	0.19	198	0.18	420	0.38
91	2015	Umatilla R	091049	100,806	487,190	6	0.01	64	0.06	205	0.20	275	0.27
91	2016	Umatilla R	091176	106,087	505,872	42	0.04	59	0.06	233	0.22	334	0.31
91	2017	Umatilla R	091232	112,792	506,308	12	0.01	298	0.26	108	0.10	417	0.37
91	2018	Umatilla R	091348	109,115	461,553	9	0.01	518	0.47	117	0.11	644	0.59

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SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
91	2019	Umatilla R	091132	109,942	548,747	15	0.01	223	0.20	34	0.03	272	0.25
91	2020	Umatilla R	091577	105,925	505,774	67	0.06	25	0.02	2	0.00	93	0.09
91	2021	Umatilla R	091997	102,965	503,474		0.00	1	0.00		0.00	1	0.00
STS	Imnaha R												
29	2009	Ltl Sheep Cr	094670	26,314	168,477		0.00	129	0.49	100	0.38	228	0.87
29	2010	Ltl Sheep Cr	090296	25,874	157,984		0.00	71	0.27	17	0.07	88	0.34
29	2011	Ltl Sheep Cr	090420	25,466	212,220		0.00	194	0.76	44	0.17	238	0.94
29	2012	Ltl Sheep Cr	090553	25,122	235,446		0.00	146	0.58	35	0.14	181	0.72
29	2013	Ltl Sheep Cr	090770	25,379	239,614		0.00	92	0.36	80	0.31	171	0.67
29	2014	Ltl Sheep Cr	090805	24,269	247,642		0.00	4	0.02	9	0.04	13	0.05
29	2015	Ltl Sheep Cr	090963	25,294	207,952		0.00	59	0.23	80	0.31	139	0.55
29	2016	Ltl Sheep Cr	091071	24,324	216,930		0.00	11	0.05	27	0.11	38	0.15
29	2017	Ltl Sheep Cr	091101	26,983	251,209		0.00	32	0.12	29	0.11	62	0.23
29	2018	Ltl Sheep Cr	091243	25,483	211,269		0.00	2	0.01	12	0.05	14	0.05
29	2019	Ltl Sheep Cr	091366	24,649	226,461		0.00	9	0.04	35	0.14	44	0.18
29	2020	Ltl Sheep Cr	091420	25,383	233,555		0.00	19	0.08	12	0.05	31	0.12
29	2021	Ltl Sheep Cr	091671	27,303	211,114		0.00	17	0.06		0.00	17	0.06
STS	Umatilla R												
91	2009	Umatilla R	090240	20,979	54,671		0.00	98	0.47	39	0.19	137	0.65
91	2009	Umatilla R	090241	21,120	54,672		0.00	103	0.49	34	0.16	137	0.65
91	2009	Umatilla R	090242	21,488	54,675		0.00	40	0.19	34	0.16	74	0.34
91	2010	Meacham Cr	092650	20,711	46,575		0.00	12	0.06	12	0.06	24	0.11
91	2010	Umatilla R	092648	20,142	52,008		0.00	7	0.03	15	0.07	22	0.11
91	2010	Umatilla R	092649	21,293	52,269		0.00	33	0.16	18	0.08	51	0.24
91	2011	Meacham Cr	090440	19,785	54,516		0.00	33	0.17	17	0.09	50	0.25
91	2011	Umatilla R	090438	19,664	54,329		0.00	33	0.17	18	0.09	51	0.26
91	2011	Umatilla R	090439	19,897	54,884		0.00	29	0.14	12	0.06	41	0.20
91	2012	Meacham Cr	090592	19,127	52,707		0.00	58	0.30	13	0.07	71	0.37
91	2012	Umatilla R	092061	21,770	52,255		0.00	37	0.17	24	0.11	61	0.28
91	2012	Umatilla R	092346	20,800	52,276		0.00	60	0.29	21	0.10	81	0.39
91	2013	Umatilla R	090593	20,344	50,284		0.00	5	0.02	9	0.04	14	0.07
91	2013	Umatilla R	090594	19,082	54,003		0.00	40	0.21	15	0.08	55	0.29
91	2013	Umatilla R	090717	18,217	54,555		0.00	43	0.24	19	0.10	62	0.34
91	2014	Umatilla R	090752	20,828	50,800		0.00		0.00	-	0.00	-	0.00
91	2014	Umatilla R	090753	21,371	55,222		0.00	10	0.04	5	0.02	15	0.07
91	2014	Umatilla R	090827	20,016	52,952		0.00		0.00	10	0.05	10	0.05
91	2017	Umatilla R	091139	20,742	59,044		0.00		0.00	7	0.03	7	0.03
91	2017	Umatilla R	091140	20,472	87,767		0.00	8	0.04	20	0.10	28	0.14
91	2018	Umatilla R	091187	20,174	96,028		0.00		0.00	2	0.01	2	0.01
91	2018	Umatilla R	091188	19,877	50,762		0.00		0.00	-	0.00	-	0.00
91	2019	Umatilla R	091141	20,111	54,025		0.00	9	0.04	4	0.02	13	0.06
91	2019	Umatilla R	091287	9,773	42,821		0.00	4	0.05	2	0.02	6	0.07

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						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
91	2019	Umatilla R	091288	9,920	40,299		0.00	14	0.14	4	0.04	18	0.18
91	2020	Umatilla R	091404	20,991	65,170		0.00		0.00	3	0.01	3	0.01
91	2020	Umatilla R	093758	9,887	40,937		0.00	16	0.16	5	0.05	21	0.21
91	2020	Umatilla R	094320	10,976	42,026		0.00	5	0.05	4	0.04	9	0.08
91	2021	Umatilla R	091492	32,870	41,882		0.00	15	0.05		0.00	15	0.05
91	2021	Umatilla R	091493	31,709	98,582		0.00	17	0.05		0.00	17	0.05
STS	Umatilla R X												
91X	2015	Umatilla R	090825	21,674	47,006		0.00	23	0.11	32	0.15	55	0.25
91X	2015	Umatilla R	090826	20,096	55,648		0.00	22	0.11	19	0.10	41	0.20
91X	2015	Umatilla R	090889	20,047	41,844		0.00		0.00	9	0.05	9	0.05
91X	2016	Umatilla R	091014	21,205	50,370	4	0.02		0.00	1	0.00	5	0.02
91X	2016	Umatilla R	091015	20,974	57,285		0.00		0.00	1	0.00	1	0.00
91X	2016	Umatilla R	091016	21,256	35,525		0.00		0.00	-	0.00	-	0.00
STS	Wallowa R												
56	2009	Spring Cr	094671	23,680	41,986		0.00	167	0.70	76	0.32	243	1.03
56	2009	Spring Cr	094672	27,008	41,067	1	0.01	207	0.77	160	0.59	369	1.36
56	2009	Spring Cr	094673	27,112	40,693		0.00	155	0.57	156	0.58	311	1.15
56	2009	Spring Cr	094674	27,524	39,893		0.00	352	1.28	153	0.56	505	1.83
56	2009	Spring Cr	094675	23,744	42,099		0.00	91	0.38	78	0.33	169	0.71
56	2009	Spring Cr	094676	23,520	40,433		0.00	142	0.61	55	0.23	197	0.84
56	2009	Spring Cr	094677	22,735	39,551		0.00	132	0.58	76	0.34	208	0.92
56	2009	Spring Cr	094678	28,201	40,294		0.00	222	0.79	132	0.47	354	1.25
56	2009	Wallowa R	094679	26,858	26,858		0.00	158	0.59	82	0.31	240	0.89
56	2009	Wallowa R	094680	26,858	26,858		0.00	230	0.86	98	0.36	327	1.22
56	2010	Deer Cr	090318	13,072	167,615		0.00	50	0.38	34	0.26	84	0.64
56	2010	Deer Cr	090319	26,146	158,278		0.00	52	0.20	61	0.23	113	0.43
56	2010	Spring Cr	090297	25,140	39,912		0.00	70	0.28	34	0.13	104	0.41
56	2010	Spring Cr	090298	26,371	41,059		0.00	94	0.36	28	0.10	122	0.46
56	2010	Spring Cr	090299	25,554	40,279		0.00	55	0.22	41	0.16	96	0.38
56	2010	Spring Cr	090316	27,044	63,324		0.00	36	0.13	24	0.09	60	0.22
56	2010	Spring Cr	090317	26,159	61,934		0.00	67	0.26	24	0.09	91	0.35
56	2010	Spring Cr	090320	26,202	85,378		0.00	57	0.22	33	0.12	90	0.34
56	2010	Spring Cr	090321	26,148	85,042		0.00	21	0.08	42	0.16	63	0.24
56	2010	Spring Cr	090322	24,987	81,555		0.00	39	0.16	34	0.13	73	0.29
56	2011	Deer Cr	090429	26,341	164,732		0.00	187	0.71	121	0.46	308	1.17
56	2011	Deer Cr	090430	27,630	162,905		0.00	137	0.50	76	0.27	213	0.77
56	2011	Spring Cr	090421	25,535	43,446		0.00	177	0.69	104	0.41	281	1.10
56	2011	Spring Cr	090422	25,198	43,041		0.00	170	0.67	114	0.45	284	1.13
56	2011	Spring Cr	090423	25,381	65,090		0.00	158	0.62	76	0.30	234	0.92
56	2011	Spring Cr	090424	24,661	41,110		0.00	159	0.65	100	0.41	259	1.05
56	2011	Spring Cr	090425	25,491	25,979		0.00	199	0.78	124	0.49	323	1.27
56	2011	Spring Cr	090426	26,996	27,205		0.00	148	0.55	117	0.43	265	0.98

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
56	2011	Spring Cr	090427	26,897	26,897		0.00	175	0.65	121	0.45	296	1.10
56	2011	Spring Cr	090428	25,691	63,740		0.00	144	0.56	82	0.32	226	0.88
56	2012	Deer Cr	090561	25,450	166,492		0.00	170	0.67	112	0.44	282	1.11
56	2012	Deer Cr	090563	25,638	159,833		0.00	58	0.22	98	0.38	155	0.61
56	2012	Spring Cr	090554	24,659	80,909		0.00	53	0.22	73	0.30	127	0.51
56	2012	Spring Cr	090555	26,871	71,420		0.00	57	0.21	99	0.37	156	0.58
56	2012	Spring Cr	090556	26,999	71,414		0.00	60	0.22	91	0.34	151	0.56
56	2012	Spring Cr	090557	27,096	67,376		0.00	107	0.39	126	0.47	233	0.86
56	2012	Spring Cr	090558	25,525	42,533		0.00	115	0.45	114	0.45	230	0.90
56	2012	Spring Cr	090559	25,955	41,939		0.00	138	0.53	119	0.46	257	0.99
56	2012	Spring Cr	090560	25,336	41,920		0.00	119	0.47	116	0.46	235	0.93
56	2012	Spring Cr	090562	26,358	78,765		0.00	67	0.25	110	0.42	177	0.67
56	2013	Deer Cr	090779	25,064	80,539		0.00	199	0.79	153	0.61	352	1.40
56	2013	Deer Cr	090780	26,424	166,547		0.00	89	0.34	213	0.81	302	1.14
56	2013	Deer Cr	092745	26,028	84,709		0.00	152	0.58	206	0.79	358	1.38
56	2013	Spring Cr	090771	27,838	86,293		0.00	162	0.58	130	0.47	292	1.05
56	2013	Spring Cr	090772	24,802	41,766		0.00	116	0.47	132	0.53	248	1.00
56	2013	Spring Cr	090773	24,255	81,748		0.00	106	0.44	101	0.41	207	0.85
56	2013	Spring Cr	090774	23,866	81,766		0.00	189	0.79	112	0.47	301	1.26
56	2013	Spring Cr	090775	24,571	62,810		0.00	139	0.56	131	0.53	269	1.10
56	2013	Spring Cr	090776	26,197	85,284		0.00	123	0.47	162	0.62	285	1.09
56	2013	Spring Cr	090777	24,704	62,795		0.00	82	0.33	136	0.55	218	0.88
56	2014	Deer Cr	090813	24,993	91,346		0.00	14	0.06	29	0.12	43	0.17
56	2014	Deer Cr	090814	26,382	80,253		0.00		0.00	18	0.07	18	0.07
56	2014	Deer Cr	090815	24,865	176,611		0.00	5	0.02	7	0.03	12	0.05
56	2014	Grande Ronde R 1	090812	24,939	43,474		0.00	5	0.02	4	0.02	9	0.04
56	2014	Spring Cr	090806	25,489	163,393		0.00	48	0.19	28	0.11	77	0.30
56	2014	Spring Cr	090807	26,974	87,830		0.00	2	0.01	8	0.03	10	0.04
56	2014	Spring Cr	090808	25,445	46,939		0.00	6	0.02	16	0.06	22	0.09
56	2014	Spring Cr	090809	27,297	46,431		0.00	22	0.08	16	0.06	38	0.14
56	2014	Spring Cr	090810	25,099	83,521		0.00		0.00	21	0.08	21	0.08
56	2014	Spring Cr	090811	27,383	84,671		0.00	6	0.02	8	0.03	14	0.05
56	2015	Deer Cr	090971	27,267	82,045		0.00	23	0.08	114	0.42	137	0.50
56	2015	Deer Cr	090972	26,864	84,562		0.00	63	0.23	101	0.38	164	0.61
56	2015	Deer Cr	090973	25,875	168,771		0.00	27	0.10	44	0.17	70	0.27
56	2015	Grande Ronde R 1	090970	26,876	41,467		0.00	32	0.12	41	0.15	73	0.27
56	2015	Spring Cr	090964	27,041	82,671		0.00	38	0.14	66	0.25	104	0.39
56	2015	Spring Cr	090965	26,773	167,481		0.00	24	0.09	83	0.31	107	0.40
56	2015	Spring Cr	090966	25,117	41,937		0.00	38	0.15	102	0.41	140	0.56
56	2015	Spring Cr	090967	25,714	82,248		0.00	27	0.10	123	0.48	150	0.58
56	2015	Spring Cr	090968	26,983	83,822		0.00	28	0.11	93	0.34	121	0.45
56	2015	Spring Cr	090969	24,674	41,794		0.00	49	0.20	125	0.51	174	0.71

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
56	2016	Deer Cr	091079	25,659	84,072		0.00	25	0.10	59	0.23	84	0.33
56	2016	Deer Cr	091080	25,931	168,037		0.00	14	0.06	30	0.12	45	0.17
56	2016	Deer Cr	091081	27,746	85,085		0.00	19	0.07	26	0.09	46	0.16
56	2016	Grande Ronde R 1	091078	26,268	41,487		0.00	32	0.12	145	0.55	177	0.67
56	2016	Spring Cr	091072	26,491	164,384		0.00	63	0.24	34	0.13	97	0.37
56	2016	Spring Cr	091073	27,028	84,678		0.00	4	0.01	38	0.14	42	0.16
56	2016	Spring Cr	091074	25,078	41,439		0.00	23	0.09	33	0.13	56	0.22
56	2016	Spring Cr	091075	26,581	41,900		0.00	11	0.04	40	0.15	51	0.19
56	2016	Spring Cr	091076	27,080	81,905		0.00	21	0.08	62	0.23	82	0.30
56	2016	Spring Cr	091077	26,239	83,389		0.00	16	0.06	42	0.16	58	0.22
56	2017	Deer Cr	091109	25,208	81,102		0.00	7	0.03	46	0.18	53	0.21
56	2017	Deer Cr	091110	26,269	167,752		0.00	14	0.05	40	0.15	53	0.20
56	2017	Deer Cr	091111	26,313	81,423		0.00	16	0.06	24	0.09	40	0.15
56	2017	Grande Ronde R 1	091108	26,918	42,345		0.00	28	0.10	216	0.80	244	0.91
56	2017	Spring Cr	091102	26,685	166,604	4	0.01	18	0.07	44	0.17	66	0.25
56	2017	Spring Cr	091103	27,133	83,699		0.00	10	0.04	36	0.13	46	0.17
56	2017	Spring Cr	091104	24,878	41,513		0.00	5	0.02	40	0.16	45	0.18
56	2017	Spring Cr	091105	26,711	41,626		0.00	30	0.11	86	0.32	116	0.43
56	2017	Spring Cr	091106	26,960	83,406		0.00	22	0.08	54	0.20	76	0.28
56	2017	Spring Cr	091107	26,681	84,058		0.00	3	0.01	44	0.17	47	0.18
56	2018	Deer Cr	091250	23,936	82,162		0.00	4	0.02	8	0.03	12	0.05
56	2018	Deer Cr	091251	25,376	84,562		0.00	1	0.00	5	0.02	6	0.02
56	2018	Deer Cr	091252	24,749	83,271		0.00	7	0.03	1	0.00	8	0.03
56	2018	Deer Cr	091253	24,735	83,173	1	0.00		0.00	4	0.02	5	0.02
56	2018	Spring Cr	091244	25,473	165,136		0.00	1	0.01	3	0.01	4	0.02
56	2018	Spring Cr	091245	24,696	82,873		0.00	3	0.01	5	0.02	9	0.03
56	2018	Spring Cr	091246	23,186	41,511		0.00		0.00	10	0.04	10	0.04
56	2018	Spring Cr	091247	23,268	81,031		0.00	7	0.03	9	0.04	16	0.07
56	2018	Spring Cr	091248	22,789	41,387		0.00	1	0.00	13	0.06	14	0.06
56	2018	Spring Cr	091249	24,357	82,637		0.00	16	0.06	13	0.05	29	0.12
56	2019	Deer Cr	091373	26,759	83,874		0.00	41	0.15	30	0.11	71	0.27
56	2019	Deer Cr	091374	27,094	82,973	1	0.00	24	0.09	32	0.12	58	0.21
56	2019	Deer Cr	091375	26,964	82,237		0.00	22	0.08	21	0.08	43	0.16
56	2019	Deer Cr	091376	27,099	86,331		0.00	29	0.11	7	0.03	36	0.13
56	2019	Spring Cr	091367	26,264	166,547	1	0.00	17	0.07	31	0.12	49	0.19
56	2019	Spring Cr	091368	26,190	83,983		0.00	38	0.15	28	0.11	66	0.25
56	2019	Spring Cr	091369	26,841	41,252	1	0.00	21	0.08	46	0.17	68	0.25
56	2019	Spring Cr	091370	26,813	82,678		0.00	40	0.15	43	0.16	83	0.31
56	2019	Spring Cr	091371	27,135	83,458	1	0.00	18	0.06	49	0.18	68	0.25
56	2019	Spring Cr	091372	25,544	41,315	2	0.01	10	0.04	50	0.20	62	0.24
56	2020	Deer Cr	091429	25,245	100,837		0.00	5	0.02	18	0.07	23	0.09
56	2020	Deer Cr	091430	25,740	147,118		0.00	7	0.03	12	0.05	20	0.08

Estimated Number of CWT Recoveries and SAR's for ODFW Hatchery Releases, brood years 2009- 2021 (Table 23)

Non-Ad clipped CWT groups are in bold and recovery data is incomplete for brood years 2019-2021

SPECIES STOCK CODE	STOCK NAME BROOD YEAR	RELEASE LOCATION	TAG CODE	NUMBER CWT	TOTAL RELEASED	OCEAN FISHERIES		FRESHWATER FISHERIES		ESCAPEMENT		TOTAL CWT RECOVERIES	
						#	SAR (%)	#	SAR (%)	#	SAR (%)	#	SAR (%)
56	2020	Spring Cr	091421	25,950	125,359		0.00	8	0.03	10	0.04	18	0.07
56	2020	Spring Cr	091422	25,648	41,717		0.00	13	0.05	11	0.04	25	0.10
56	2020	Spring Cr	091423	25,215	41,670		0.00	16	0.06	8	0.03	24	0.09
56	2020	Spring Cr	091424	25,720	41,913		0.00	7	0.03	8	0.03	15	0.06
56	2020	Spring Cr	091425	25,652	41,677		0.00		0.00	6	0.02	6	0.02
56	2020	Spring Cr	091426	25,870	125,450		0.00	2	0.01	9	0.04	11	0.04
56	2020	Spring Cr	091427	24,812	140,538		0.00	5	0.02	9	0.04	14	0.06
56	2020	Spring Cr	091428	25,373	25,373		0.00	10	0.04	14	0.06	24	0.10
56	2021	Deer Cr	091678	26,635	41,909		0.00	7	0.03	2	0.01	9	0.03
56	2021	Deer Cr	091679	26,677	64,200		0.00	2	0.01	2	0.01	4	0.02
56	2021	Deer Cr	091680	14,856	103,245		0.00	2	0.01	5	0.03	7	0.05
56	2021	Deer Cr	091681	26,368	41,894		0.00	10	0.04	1	0.00	11	0.04
56	2021	Spring Cr	091674	26,315	167,488		0.00	1	0.00		0.00	1	0.00
56	2021	Spring Cr	091675	26,021	41,885		0.00	1	0.00		0.00	1	0.00
STW	Alsea R												
43	2012	Big Elk Cr	076131	21,389	22,538		0.00		0.00	-	0.00	-	0.00
STW	Cow Cr												
18	2017	CanyonCr (S Ump)	090140	23,954	35,521		0.00	67	0.28	68	0.28	135	0.56
18	2017	CanyonCr (S Ump)	090886	23,954	35,521		0.00	92	0.38	75	0.31	167	0.70
18	2017	CanyonCr (S Ump)	090887	24,814	68,928	3	0.01	67	0.27	48	0.20	118	0.48
18	2018	Umpqua R SF	091189	19,929	19,929		0.00	9	0.05	3	0.02	12	0.06
18	2018	Umpqua R SF	091190	19,761	19,920		0.00	7	0.04	9	0.05	16	0.08
18	2018	Umpqua R SF	091191	11,320	12,805		0.00	2	0.02	16	0.15	18	0.16
18	2018	Umpqua R SF	093648	10,452	10,611		0.00	3	0.03	7	0.07	10	0.10
18	2019	CanyonCr (S Ump)	091290	18,715	42,457		0.00	45	0.24	36	0.19	81	0.43
18	2019	CanyonCr (S Ump)	091292	18,319	41,358		0.00	57	0.31	85	0.47	143	0.78
18	2019	Umpqua R SF	091291	15,218	41,607		0.00	42	0.28	38	0.25	80	0.53
18	2019	Umpqua R SF	091293	19,037	41,389		0.00	69	0.36	76	0.40	146	0.77

Table 24. Status of Hatchery and Genetic Management Plans in 2023

Status of Hatchery and Genetic Management Plans (Table 24)								
Watershed	Program	Stock	Type of Activity	ESUs IMPACTED	Status to Completion	Updated & Resubmitted	NMFS' Sufficiency Letter	HGMP/ BIOP
Deschutes	Hood R. CHS	ID 066/ ID 050W	adult coll.	M. Columbia steelhead	Final to NMFS	04/03/17	Suff. 7/11/17; Biop & ESA Consul.	10/03/22
	Hood R. STW	ID 050W	adult coll.	L. Columbia steelhead	Final to NMFS	05/05/17	Suff. 7/11/17; Biop & ESA Consul.	10/03/22
	Deschutes R. STS	ID066W	adult coll.	M. Columbia steelhead	Final to NOAA	09/06/17		05/13/22
	Deschutes R. CHS	ID 066	adult coll.	M. Columbia steelhead	Final to NOAA	04/03/17		05/13/22
Grande Ronde	Little Sheep Creek STS	ID 029	adult coll.	Snake R. steelhead	Submitted to LSRCP	05/02/11		09/12/16
	Wallowa STS	ID 056	releases	Columbia R. bull trout	Submitted to LSRCP	05/02/11		09/12/16
	Imnaha R. CHS	ID 029	adult coll.	Snake R. chinook	Submitted to LSRCP	05/02/11		09/12/16
	Catherine Creek CHS	ID 201	adult coll.	Snake R. chinook	Final to NMFS	05/02/11		09/12/16
	Lostine R. CHS	ID 200	adult coll.	Snake R. chinook	Final to NMFS	05/02/11		09/12/16
	U. Grande Ronde R. CHS	ID 080	adult coll.	Snake R. chinook	Final to NMFS	05/02/11		09/12/16
	Lookingglass Creek CHS	ID081	adult coll.	Snake R. steelhead	Final to NMFS	01/23/12		09/12/16
John Day	Umatilla R. STS	ID 091	adult coll.	M. Columbia steelhead	Final to NOAA	05/02/17 & 12/14/17		05/13/22
	Umatilla R. Co	ID 014	adult coll.	M. Columbia steelhead	Final to NOAA	07/14/10		04/20/11
	Umatilla R. CHS	ID 091	adult coll.	M. Columbia steelhead	Final to NOAA	07/14/10		04/20/11
	Umatilla R. CHF	ID 091	adult coll.	L. Columbia steelhead	Final to NOAA	04/14/10	Updated 2015 & re-submitted	04/20/11
M. Coast	Munsel Creek Coho (STEP)	ID 038W		OR Coast coho	Final to NOAA	06/20/16		12/01/17
	Alsea Hatchery/Lakes RBT	ID 072	releases	OR Coast coho	Final to NOAA	06/23/16		12/01/17
	Alsea R. STW	ID 043	releases	OR Coast coho	Final to NOAA	06/17/16		12/01/17
	Siletz R. STW	ID 033W	releases	OR Coast coho	Final to NMFS	06/24/16		12/01/17
	Siletz R. STS	ID 033	releases	OR Coast coho	Final to NOAA	07/01/16		12/01/17

Status of Hatchery and Genetic Management Plans (Table 24)

Watershed	Program	Stock	Type of Activity	ESUs IMPACTED	Status to Completion	Updated & Resubmitted	NMFS' Sufficiency Letter	HGMP/ BIOP
	Siuslaw R. STW	ID 038	releases	OR Coast coho	Final to NOAA	07/01/16		12/01/17
	Salmon R. CHF	ID 036	releases	OR Coast coho	Final to NOAA	06/22/16		12/01/17
N. Coast	NF Nehalem R. Co	ID 32 & 99	releases	OR Coast coho	Final to NMFS	07/18/16		12/01/17
	Trask R. Co	ID 034	releases	OR Coast coho	Final to NMFS	07/27/16		12/01/17
	Trask H. (Wilson R.) STW	ID 121W	releases	OR Coast coho	Final to NMFS	09/18/17		12/01/17
	Nehalem R. STW	ID 032	releases	OR Coast coho	Final to NOAA	07/08/16		12/01/17
	Nestucca R. STW (Cedar Creek)	ID 47 & 47W	releases	OR Coast coho	Final to NOAA	07/20/16		12/01/17
	Trask R. CHF	ID 034	releases	OR Coast coho	Final to NOAA	07/26/16		12/01/17
	Nestucca R. STS (Cedar Creek)	ID 047	releases	OR Coast coho	Final to NOAA	07/18/16		12/01/17
	Nestucca R. CHS (Cedar Creek)	ID 047	adult coll.	OR Coast coho	Final to NOAA	07/21/16		12/01/17
	Nest.R./Rhoades P. CHF (STEP)	ID 047W	releases	OR Coast coho	Final to NOAA	07/22/16		12/01/17
	Trask R. CHS	ID 034	releases	OR Coast coho	Final to NOAA	08/01/16		12/01/17
	Whiskey Cr. CHS (STEP)	ID 034	releases	OR Coast coho	Final to NOAA	08/08/16		12/01/17
	Trask H. (Wilson R.) STW	ID 047	adult coll.	OR Coast coho	Final to NOAA	08/03/16		12/01/17
	NC/LCR	Big Creek STW	ID 013	adult coll.	L. Columbia steelhead	Final to NOAA	07/11/16	
Big Creek Chum Recovery		ID 104	adult coll.	LCR ESUs	Final to NOAA	08/23/16		01/17/18
LCR	Big Creek CHF (Tule)	ID 013	adult coll.	L. Columbia steelhead	Final to NOAA	05/10/16		
	Big Creek Coho	ID 013	adult coll.	L. Columbia steelhead	Final to NOAA	05/10/16		
	SAFE Coho	ID 011 & 014	adult coll.	L. Columbia steelhead	Final to NOAA	10/19/17	Sufficiency letter 09/21/18	
	SAFE Spring Chinook	ID 022 & 024	adult coll.	U. Willamette chinook	Final to NOAA	09/28/17	Sufficiency letter 09/21/18	
	SAB Fall Chinook (Rogue stock)	ID052	adult coll.	L. Columbia steelhead	Final to NOAA	09/28/05		
	Bonneville Tule CHF	ID 60	releases	LCR ESUs		10/18/17		
	Bonneville Coho	ID 14	adult coll.	M. Columbia steelhead	Final to NOAA	05/06/16		

Status of Hatchery and Genetic Management Plans (Table 24)

Watershed	Program	Stock	Type of Activity	ESUs IMPACTED	Status to Completion	Updated & Resubmitted	NMFS' Sufficiency Letter	HGMP/ BIOP
N. Willamette	Clackamas R. STW	ID 122W	adult coll.	L. Columbia steelhead	Final to NMFS	02/08/17		01/17/18
	Sandy R. STW	ID 011W	adult coll.	L. Columbia steelhead	Final to NMFS	6/1/11 ESA Consulta		06/17/16
	Sandy R. CO	ID 011	adult coll.	L. Columbia steelhead	Final to NOAA	5/16/11 for ESA Con.		06/17/16
	Sandy R. CHS	ID011	adult coll.	U. Willamette chinook	Final to NOAA	6/1/11 for ESA Cons		06/17/16
	Clackamas R. STS	ID 024	adult coll.	L. Columbia steelhead	Final to NOAA	05/05/16		
	Sandy R. STS	ID 024	adult coll.	L. Columbia steelhead	Final to NOAA	5/16/11 for ESA Con.		06/17/16
	Clackamas-EC CHS	ID 019	adult coll.	U. Willamette chinook	Final to NOAA	05/06/20		08/11/21
S. Willamette	N. Santiam CHS	ID 021	adult coll.	U. Willamette chinook	Final to NOAA	9/1/16 by COE		05/17/19
	S. Santiam R. CHS	ID 024	adult coll.	U. Willamette chinook	Final to NOAA	9/1/16 by COE		05/17/19
	Willamette R. CHS	ID 022	adult coll.	U. Willamette chinook	Final to NOAA	2019 May		05/17/19
	McKenzie R. CHS	ID 023	adult coll.	U. Willamette chinook	Final to NOAA	2019 May		05/17/19
	Willamette R. RBT	ID 024	adult coll.	U. Willamette steelhead	Final to NOAA	10/29/18		05/17/19
	Willamette R. STS	ID 024		U. Willamette steelhead	Final to NOAA	03/16/18		05/17/19
Rogue	Rogue R. CHS	ID 052	adult coll.	SONC coho	Final to COE	08/17/16		12/01/17
	Rogue R. STS	ID 052	adult coll.	SONC coho	Final to COE	08/18/16		12/01/17
	Elk R. CHF	ID 035	adult coll.	SONC coho	Final to NOAA	06/07/16		12/01/17
	Chetco R. CHF	ID 096	releases	SONC coho	Final to NOAA	06/07/16		12/01/17
	Chetco R. StW	ID 096	releases	SONC coho	Final to NOAA	06/10/16		12/01/17
	Rogue R. STW	ID 052	adult coll.	SONC coho	Final to COE	06/10/16		12/01/17

Status of Hatchery and Genetic Management Plans (Table 24)

Watershed	Program	Stock	Type of Activity	ESUs IMPACTED	Status to Completion	Updated & Resubmitted	NMFS' Sufficiency Letter	HGMP/ BIOP
	Applegate R. STW	ID 062	releases	SONC coho	Final to COE	06/10/16		12/01/17
	Rogue R. Co	ID 052	adult coll.	SONC coho	Final to NOAA			01/12/99
	Indian Cr. STEP ChF (Rogue R.)	ID 061	releases	SONC coho	Final to NOAA	06/07/16		12/01/17
Umpqua	Coos River ChF	ID 037	releases	OR Coast coho	Final to NOAA	09/20/17		12/01/17
	Coos River StW	ID 037	releases	OR Coast coho	Final to NOAA	10/05/17		12/01/17
	Coquille R. StW	ID 44 & 144	releases	OR Coast coho	Final to NOAA	06/10/16		12/01/17
	Tenmile Lks StW	ID 088	releases	OR Coast coho	Final to NOAA	06/14/16		12/01/17
	Tenmile Rainbow Trout	ID 072	releases	OR Coast coho	Final to NOAA	06/13/16		12/01/17
	Coquille R. CHF	ID 044	releases	OR Coast coho	Final to NOAA	09/21/17		12/01/17
	N. Umpqua R. CHS	ID 055	releases	OR Coast coho	Final to NOAA	08/23/16		12/01/17
	Lower Ump/Smith R. CHF	ID 151	releases	OR Coast coho	Final to NOAA	08/16/16		12/01/17
	S. Umpqua R/Cow Creek Coho	ID 055	releases	OR Coast coho	Final to NMFS	06/07/17		12/01/17
	S. Umpqua R. StW	ID 018	releases	OR Coast coho	Final to NOAA	08/12/16		12/01/17

Table 25. Fish Feed Purchased in 2023

Facility Name	Manufacturer	Cost	Pounds
ALSEA	Skretting	\$113,823.71	138,700
BANDON	Bio-Oregon	\$38,479.76	24,948
BIG CREEK	Bio-Oregon	\$260,803.48	161,920
BONNEVILLE	Bio-Oregon	\$375,793.40	210,540
CASCADE	Bio-Oregon	\$128,286.40	82,544
CEDAR CREEK			
CLACKAMAS	Bio-Oregon	\$19,624.00	13,200
COLE RIVERS	Bio-Oregon	\$787,122.27	418,816
DEXTER PONDS	Bio-Oregon	\$30,492.44	20,196
ELK RIVER	Bio-Oregon	\$43,427.99	34,364
FALL RIVER	Bio-Oregon	\$46,046.66	55,022
GNAT CREEK	Bio-Oregon	\$47,297.36	33,792
IRRIGON	Bio-Oregon	\$208,361.19	168,872
KLAMATH	Bio-Oregon	\$42,877.56	32,296
	Skretting	\$30,491.20	34,000
KLASKANINE	Bio-Oregon	\$91,518.24	70,224
LEABURG	Skretting	\$24,120.00	30,000
LOOKINGGLASS	Bio-Oregon	\$156,484.68	73,964
MARION FORKS	Bio-Oregon	\$180,207.46	102,916
NEHALEM	Bio-Oregon	\$86,647.63	66,836
OAK SPRINGS	Bio-Oregon	\$83,940.83	61,072
	EWOS	\$185,523.10	186,978
OXBOW	Bio-Oregon	\$55,826.10	49,698
ROARING RIVER	Bio-Oregon	\$104,146.24	84,172
	EWOS	\$140,279.72	163,988
ROCK CREEK	Bio-Oregon	\$20,265.60	9,919
ROUND BUTTE	Bio-Oregon	\$38,436.64	13,816
	EWOS	\$71,978.68	61,248
SALMON RIVER	Bio-Oregon	\$82,565.97	54,912
SOUTH SANTIAM	Bio-Oregon	\$164,224.24	121,836
TRASK	Bio-Oregon	\$53,303.36	24,300
UMATILLA	Bio-Oregon	\$104,135.20	69,322
WALLOWA	Bio-Oregon	\$95,801.60	88,176
WILLAMETTE	Bio-Oregon	\$237,012.00	148,412
	Skretting	\$113,063.00	122,100
WIZARD FALLS	Bio-Oregon	\$84,707.00	59,378
Total		\$4,347,114.71	3,092,477

Table 26. Fish Sales Reported by Private Hatcheries in 2023

Species	Propagator License	Propagator Name	Fish	Pounds
BLUEGILL	10AA9	Brewfish Farm	962	80
	1113	Santiam Valley Aquaculture	2,000	2
	Total BLUEGILL		2,962	82
BULLHEAD CATFISH	3739	Indian Springs Trout/Catfish	100	0
	Total BULLHEAD CATFISH		100	0
CRAPPIE	10AA9	Brewfish Farm	159	25
	Total CRAPPIE		159	25
LARGEMOUTH BASS	10AA9	Brewfish Farm	830	150
	1113	Santiam Valley Aquaculture	5,000	2
	Total LARGEMOUTH BASS		5,830	152
PUMPKINSEED	1113	Santiam Valley Aquaculture	2,000	2
	Total PUMPKINSEED		2,000	2
RAINBOW TROUT	102H9	Hood River Aquaculture	622	1,878
	1079	Blue Den Ranch	14,742	4,821
	1104	Brian Trout Ranch	27,420	7,240
	1444	Hornings Hideout	6,000	6,000
	2110	Mike Kaiser's Rainbow Farm	13,000	12,000
	3739	Indian Springs Trout/Catfish	600	0
	4173	Green Springs Aquaculture	100	0
	4856	Prairie Springs Fish Farm	278	450
	6893	Zeek Creek	534	1,070
	7516	Island Springs Hatchery	40,000	0
	Total RAINBOW TROUT		103,296	33,459
STRIPED BASS HYBRID	1113	Santiam Valley Aquaculture	1,000	1,000
	Total STRIPED BASS HYBRID		1,000	1,000
STURGEON	107WH	Oregon Royal Fisheries	844	8,860
	Total STURGEON		844	8,860
TILAPIA	7058	Gone Fishing	2,700	4,000
	7467	DKNW Enterprises LLC	400	4
	Total TILAPIA		3,100	4,004
Grand Total			119,291	47,584

Table 27. Engineering Hatchery Maintenance Projects Completed in 2023

PROJECT	FUNDING	CONTRACTED AMOUNT	STATUS
Salmon River Hatchery Pipeline Replacement	Bond	\$368,065	Completed
Roaring River Septic Repair	SFR	\$26,500	Completed
Umatilla Hatchery Roof Replacements		\$76,000	Completed
Cole Rivers Hatchery Roof Replacement		\$104,639	Completed
Salmon River Electrical Protection System	Bond	\$18,250	Completed
Oxbow Hatchery Roof and Gutter Replacement		\$43,100	Completed
Oxbow Hatchery Residence Siding		\$34,915	Completed
Roaring River Roof Replacement		\$26,250	Completed
Salmon River Main Valve Replacement	Bond	\$198,449	Completed
Cedar Creek Hatchery Office Roof Replacement	Bond	\$88,000	Completed
Salmon River Pump Replacement	Bond	\$307,260	Completed
Cedar Creek Shop Roof Replacement	Bond	\$101,032	Completed
Bandon Hatchery Septic Replacement		\$25,000	Completed
Salmon Hatchery Intake Replacement	Bond	\$895,539	Completed
Salmon River Holding Pond Replacement	Bond	\$189,329	Completed
TOTAL		\$2,502,328	

Table 28. Stock Codes and Suffixes

STOCK CODE	STOCK NAME
0	UNKNOWN STOCK
1	ST. PAUL PONDS
2	NECANICUM R AND TRIBS
3	RESIDENT REDBANDS
4	MIAMI R AND TRIBS
5	FLORAS CR & NEW RIVER
6	EUCHER CR AND TRIBS
7	WINCHUCK R AND TRIBS
8	HUNTER CR AND TRIBS
9	WHISKEY CREEK
10	SCOGGINS CR (TUALATIN R)
11	SANDY RIVER
12	OXBOW HATCHERY
13	BIG CREEK
14	TANNER CR (BONNEVILLE)
15	KLASKANINE RIVER
16	EAGLE CR (CASCADE HATCHERY)
17	PISTOL R AND TRIBS
18	COW CR (S. UMPQUA)
19	CLACKAMAS R EARLY
20	CLACKAMAS R LATE
21	N SANTIAM RIVER
22	MID WILLAMETTE R (WILLAMETTE HT)
23	MCKENZIE R (MCKENZIE HT)
24	S SANTIAM R (SO. SANTIAM HT)
25	FALL CR RES (CARSON, WA)
26	FALL CR. RES. (WILLAMETTE)
27	MIAMI R.
28	WILLIAMSON RIVER
29	IMNAHA R AND TRIBS
30	YAQUINA R
31	FALL CREEK (ALSEA R)
32	N FK NEHALEM AND TRIBS
33	SILETZ RIVER
34	TRASK R (TRASK HT)
35	ELK R (ELK R HT)
36	SALMON R (SALMON R HT)
37	COOS R
38	SIUSLAW R
39	BURNT HILL CREEK
40	MAIN NEHALEM & TRIBS
41	ROUND BUTTE HATCHERY
42	MAINE
43	ALSEA R AND TRIBS (EX FALL CR)
44	COQUILLE R (BANDON HAT)
45	WASHINGTON BRIGHTS
46	BUTTE FALLS HATCHERY
47	NESTUCCA R (CEDAR C. HAT)
48	DIAMOND LAKE
49	FALL R HATCHERY

STOCK CODE	STOCK NAME
50	HOOD R
51	KLAMATH HATCHERY
52	ROGUE R (COLE R HATCHERY)
53	OAK SPRINGS HATCHERY
54	ROARING RIVER HATCHERY
55	UMPQUA R (ROCK CR HT)
56	WALLOWA R
57	WILLAMETTE R
58	WIZARD FALLS HATCHERY
59	LEABURG HATCHERY-LONG TOM STOCK
60	WASHINGTON TULE (SPRING CR NFH)
61	LOWER ROGUE R
62	APPLEGATE RIVER
63	EEL LAKE
64	JOHN DAY R
65	KLAMATH LAKE
66	DESCHUTES R
67	PAULINA LAKE/EAST LK
68	WICKIUP RESERVOIR
69	ODELL LAKE
70	CANADA
71	CALIFORNIA
72	CAPECOD RAINBOW
73	MONTANA
74	WYOMING
75	CARSON (WA)
76	KILCHIS (COAL CR)
77	HAGERMAN (ID)
78	COLUMBIA RIVER EARLY
79	CRESCENT LAKE
80	UPPER GRANDE RONDE
81	LOOKINGGLASS CR
82	COLORADO
83	DETROIT RESERVOIR
84	LOBSTER CR (ROGUE)
85	RAPID R (ID)
86	UTAH
87	IRRIGON HATCHERY
88	TEN MILE LAKES
89	FOSTER RESERVOIR
90	SUTTLE LAKE
91	UMATILLA R
92	GOLD LAKE
93	N TWIN LAKE
94	MANN LAKE
95	COLUMBIA R (UPRIVER BRIGHTS)
96	CHETCO R (JACK CR TRAP)
97	SNAKE R
98	COWLITZ R
99	FISH HAWK LK (NEHALEM R)

Table 28. Stock Codes Used by ODFW Fish Propagation

STOCK CODE	STOCK NAME
100	PAMELIA CT-ORIGIN:CHELAN WA 72'S
101	EAGLE CR NFH (CLACKAMAS R)
102	WARM SPRINGS R
103	TROUT LODGE STOCK RB
104	GRAYS R. HATCHERY (WA)
105	TAHKENITCH LAKE
107	BLACK WATER TRIPLOID RB (CANADA)
108	GUANO CR-HYBRIDIZED TROUT
109	DAVIS LK
110	URB LITTLE WHITE SALMON (WA)
111	LEWIS RIVER (SPEELYAI HAT) EARLY COHO
112	PUGET SOUND X SILETZ (OREAQUA STOCK)
113	TAHKENITCH LK / SILTCOOS R
114	KALAMA R
116	GRAY'S HARBOR (WA)
117	ELOCHOMIN HATCHERY (WA) EARLY COHO
118	GOLDENDALE (RAINBOW)
119	HACKLEMAN CR/FISH LAKE
120	LOST RIVER (ID)
121	WILSON R (TRASK HATCHERY)
122	CLACKAMAS R WINTER STEELHEAD
123	HOSMER LAKE NAT. TROUT & AS (ORIG MAINE)
124	BC (STW) 13'S COLL @CL FOR NEW BROODSTK
125	COLUMBIA RIVER PINK SALMON
126	PLYMPTON CR-CHF
127	CRANE PRAIRIE RAINBOW
128	DESCHUTES-WARM SPRINGS R
129	HAYSPUR HATCHERY (ID)
130	SIMTUSTUS LK-NATURAL
131	NISQUALLY TROUT FARM (WA)
132	TRINITY R, CALIF.
133	Mantua Hatch. UT (W Virginia)
134	Walla Walla R.
135	GEORGE ADAMS HATCHERY (PURDY CR), WA
136	SALMON R. (ID)
137	MILLICOMA RIVER
143	ALSEA RIVER WILD
144	SOUTH FORK COQUILLE R
145	SILETZ STK COHO (YAQUINA BAY) BEG 95 BRY
146	YAQUINA BAY SALMON RANCH

STOCK CODE	STOCK NAME
150	MILL CR TRIB (UMPQUA R)
151	GARDINER CR STEP (UMPQUA R)
152	N. TOUTLE RIVER (WA)
153	LOWER CROOKED RIVER
154	UPPER CROOKED RIVER
158	THREE CREEKS LAKE PROGENY
159	MILLER LAKE
171	EAGLE LK RB FROM CDF/KLAMATH HATCHERY
175	RAINBOW FISH CREEK (UMPQUA R)
195	COLUMBIA R (LOWER R BRIGHTS)
200	LOSTINE R ENDEMIC
201	CATHERINE CR ENDEMIC
300	WASHOUGAL FISH HATCHERY (WA)
301	SKAMANIA HATCHERY (WA)
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/FORD HATCHERY (WA)
500	REDEAR SUNFISH
502	HOOD R (STRAYS KILLED FOR CWT)
503	BELLERUD STOCK (NE OR BULL TROUT ONLY)
504	UNKNOWN ORIGIN
507	BIG CR HAT BY HOOD R WILD CROSSES
508	MID-COLUMBIA, WA
509	CALAPOOYA CR (UMPQUA R)
551	FISH CREEK (N UMPQUA) RAINBOW
600	TROUT RELOCATION

STOCK SUFFIX	Description
F	F ₁ GENERATION (W x W parents)
H	HATCHERY (Marked Returns)
T	TRIPLOID
U	UNKNOWN
W	WILD (Unmarked Returns)