



## Greetings!

I am delighted to share with you the 2007-2009 Legislative report of the Restoration and Enhancement Program. Since 1989, the Fish Restoration and Enhancement (R&E Program) Program has provided over \$37 million dollars to a wide variety of sport and commercial fishery projects throughout Oregon.

The R&E Program is committed to making sport fishing in Oregon easy, fun and enjoyable. R&E funded projects directly support the science-based management of Oregon's native fish and their habitat, as well as the production of quality hatchery fish to enhance fishing opportunities. The R&E Program benefits not just salmon and steelhead fishing but also provides trout, warmwater, and saltwater fishing opportunities as well. R&E Program funded projects such as boat ramp repair and construction, educational programs, creel surveys, habitat enhancement, and fish passage restoration provide real benefits to both local and statewide fisheries. We anticipate that the R&E program will provide significant funding for the 25 Year Angling Enhancement Plan, which is a roadmap written by ODFW in 2008 for further development and enhancement of Oregon's recreational fisheries.



The R&E Program is also committed to enhancing commercial fishing by funding projects that provide long-term, sustainable benefits to the troll and gillnet fishing fleets. One example of a commercially funded project is the increased production of hatchery Chinook salmon stocks destined for the troll and gillnet fisheries on the Columbia River. Commercial funds also have supported a variety of fish habitat projects that improve spawning and rearing habitats for both commercial and sport fish species.

R&E Program funds are typically matched by dollars or in kind contributions from project sponsors and their partners. In the 2007-09 biennium, the R&E Program allocated more than \$3.3 million to a variety of projects that provided more than \$11 million in matching contributions. The R&E Program actively recruits projects from both within and outside of ODFW, and strives to recommend a balanced mix of projects that restore and enhance Oregon's fisheries statewide. The R&E Program has helped create valuable partnerships, increased the ability of local angler groups to develop and manage projects, and provided economic benefits to rural communities statewide.

The current R&E Program is scheduled to sunset on December 31, 2009. The Department is asking the Oregon legislature to extend the program to December 2019 so we can continue our work restoring and enhancing recreational and commercial fishing in Oregon. In addition, ODFW is requesting an increase in funding for the program. The current license surcharge that supports the program cannot keep pace with the rising popularity of the program over the last 20 years. As a result, the R&E Program has had to deny funding for many important restoration and enhancement projects. Your approval of the proposed surcharge increase will allow the R&E Program to continue to be a key player in the state's efforts to restore and enhance our fisheries.

Finally, I would like to thank the fishing public for its support of our efforts to conserve and enhance Oregon fisheries. It is our mission to ensure that every R&E dollar is well spent and demonstrates tangible benefits to fisheries in Oregon.

Sincerely,

Roy Elicker,  
Director



### What is the Fish Restoration and Enhancement Program?

On June 29, 1989, the Oregon Fisheries Restoration and Enhancement Act of 1989 was signed into law. The act established the Restoration and Enhancement Program (R&E program) at the Oregon Department of Fish and Wildlife (ODFW). This act allowed the Oregon Department of Fish and Wildlife to undertake a comprehensive program to fund:

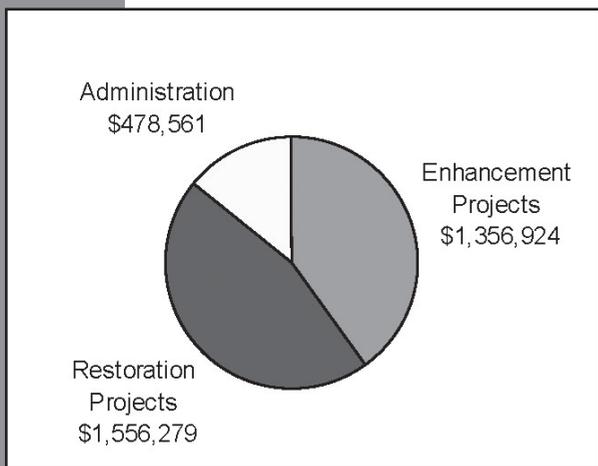
- fish habitat;
- new hatchery equipment and support new hatchery technology;
- additional public access to fishing waters;
- liberation equipment, such as fish stocking trucks;
- public education; new fishways and fish screening;
- aquatic inventories; and
- angler access.

### R&E Program Extension and Additional Funding Needs

The R & E Program will sunset on December 31, 2009. The Department would like the R&E program to continue to benefit the recreational and commercial fishery resources of Oregon by asking the Oregon legislature to extend the statutory sunset to December 2019. In addition, in order to enhance the ability for the R&E Program to assist the public with restoration of Oregon's fishery resources, ODFW is also requesting a surcharge increase on angling licenses.

Due to the rising popularity of the program over the past 20 years, the current license surcharges and commercial income can no longer support program funding levels at the level constituents expect. Many potential restoration and enhancement projects are turned away due to lack of R&E funding. If the Oregon legislature approves the proposed fee increase, the amount of R&E projects could double.

With these additional funds, the R&E program can continue to seek out and fund privately sponsored projects and continue to support ongoing ODFW programs that are integral to fisheries management. These programs include creel surveys, fish research and monitoring, angler education, and hatchery infrastructure and maintenance. Additional funding could support future projects generated by the ODFW 25 Year Recreational Angling Enhancement Plan and habitat restoration projects that provide quality rearing and spawning habitat for fish that support Oregon's recreational fisheries. R&E projects create economic stimulus in rural and urban communities throughout Oregon. Many local businesses not only supply materials for local R&E enhancement projects but also receive economic income from the anglers participating in fisheries that benefit from R&E Program activities.



The R&E program, through the actions described above, increases sport fishing opportunities and also improves the commercial salmon fishery. To generate funding for the program, a \$2

surcharge on all sport fishing licenses was dedicated to R&E along with all license revenues from commercial gillnetting and troll fishing licenses. Landing fees from troll and gillnet fisheries were also dedicated to the R&E program.

These surcharges and fees became effective January 1, 1990, and will continue through December 31, 2009. Program expenditures are allocated in the same proportion as the revenues received from surcharges. For example, current estimates of recreational fees account for 88% of the revenue generated while the commercial fees generate 12%. Thus, roughly 88% of funded projects provide direct benefits to recreational fisheries.





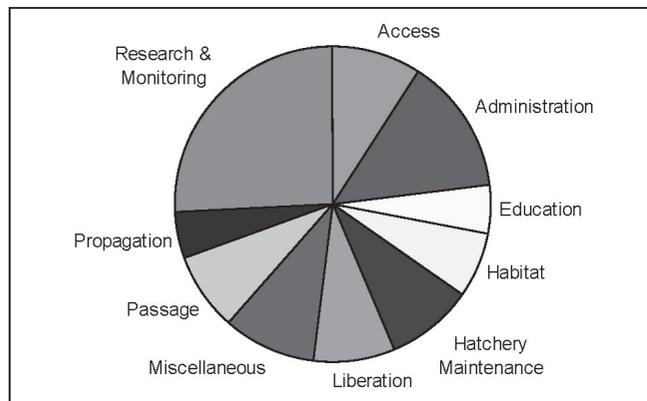
## How Does the R&E Program Benefit Oregon Anglers?

The R&E program is a direct way for anglers to benefit from the fisheries they participate in as angler license fees totally support the program. Other examples of direct angler benefits funded by R&E are youth angling events, urban fishing events, angling education classes, and angler recruitment and retention programs that target the diverse angling population in Oregon. The R&E program supports many research and monitoring projects that directly connect to development and implementation of recovery plans for Endangered Species Act or Oregon Sensitive Species listed fish species. Many of these fish species provide important sport fishing opportunities.

The R&E program is not just for freshwater fish, it also benefits marine species that provide valuable sport fishing opportunities. This biennium, R&E funded a critically important rockfish monitoring survey in partnership with the International Pacific Halibut Commission. Much of the known status of some rockfish species, such as yelloweye rockfish, are based on assessments lacking data from high relief rocky habitat areas and may not accurately reflect stock status. This project addressed these limiting factors by surveying these areas off the Oregon coast.

R&E funding provides additional direct angler benefits by supporting Salmon and Trout Enhancement Program (STEP) hatchery maintenance projects. The ODFW Salmon and Trout Advisory Committee "mini-grant" program that supports many small grant projects statewide undertaken by STEP groups and educators is also funded by R&E. Some examples of mini-grant projects are: water filtration systems for small STEP hatcheries; incubation tanks for egg hatching in school classrooms; and habitat enhancement projects.

This biennium, R&E purchased four ODFW liberation trucks and funded crucial repairs on another liberation truck. These trucks stock a large majority of trout and salmon in the northwest, southwest, and high desert regions. Important ODFW hatchery maintenance projects that ensure continued operations, such as water supply infrastructure and pollution abatement ponds, would not be completed without R&E support.



## What Types of Projects Does the R&E Program Fund?

The R&E Program is divided into two components — restoration and enhancement. Restoration projects generally fall into four categories: hatchery repairs, maintenance, and equipment; fish liberation equipment; fish ladders, screens and passage; and miscellaneous projects such as creel surveys, and research and monitoring of fish populations. Examples of restoration projects funded in the 2007 - 2009 biennium include:

- *ODFW Southwest Region Liberation Truck Repairs*- provided critical repairs to the tank on a stocking truck that provided fish to recreational fisheries in the Roseburg area;
- *Nestucca Winter Steelhead Monitoring Project*- continued monitoring and creel surveys assessing the effectiveness of a popular steelhead broodstock program on the north coast;
- *Blitzen Redband Study*- provided an assessment of the migratory life history and fishery characteristics of large migratory redband trout in the Blitzen River near Hines;
- *Little Butte Mill Dam Fish Passage Project*- repaired a non-functioning fish ladder and provided passage in an important steelhead and trout spawning tributary of the Rogue River near Medford.

Enhancement projects generally fall into the categories of angler access, research and monitoring, public education, habitat improvement, new hatchery technology and equipment, new fishways or screens, and other miscellaneous projects such as bathrooms, and invasive fish eradication projects. Examples of the types of projects funded in the 2007-2009 biennium include:



- *South Fork Hatchery Upgrades*- replaced failing waterlines and installed a new fish passage facility at a hatchery owned by Clatsop County Fisheries near Astoria;
- *Siletz Fish Trap Surveillance Camera*- purchased a hidden camera system that would be used for surveillance at the ODFW Siletz Falls adult fish trap to record potential vandals and poachers near Newport;
- *Full Circle Schools Restoration Ecology Program*- provided funding to support the Lomakatsi Restoration Project's "Full Circle Schools Restoration Ecology" program that enables long-term investment in watershed restoration through hands-on education at sites adopted by schools and community volunteers near Ashland;
- *Sea Lion Deterrent Project* - funded fish carcass removal and non-lethal hazing of sea lions to reduce nuisance behavior of sea lions on the Rogue River near Gold Beach;

- *Wood River Redband Trout Habitat*- funded the addition and placement of large and small woody material and gravel that would benefit all life stages of redband trout in the Wood River near Klamath Falls.

Given that anglers provide funding for the program, each project proposal is reviewed for direct fisheries benefits. The nature of the benefit varies depending on the type of project. Many projects may fall into several categories and have multiple objectives and outcomes.

### Partnerships and the R&E Program

Developing and maintaining partnerships is a major focus of the R&E program. Through funding matches with organizations such as the Oregon Wildlife Heritage Foundation and the Association of Northwest Steelheaders, many sport fishing projects are funded that provide positive and immediate benefits for Oregon anglers. Creative R&E partnerships allow ODFW to implement projects that otherwise would not be done due to lack funding or staffing. R&E partnerships provide

### R&E Program Partners in 2007-2009

Program Partners	Organization Type	Program Partners	Organization Type
Association of Northwest Steelheaders	Sportfishing Organization	North Coast Salmon and Steelhead Enhancement Fund	Sportfishing Organization
Bowman Pond for the Handicapped	Non-Profit Organization	Oregon Department of Fish and Wildlife	State
City of Klamath Falls	City	Oregon State University	State
City of La Grande	City	Oregon State University Extension Service 4H Program	State
City of Seaside	City	Oregon Trout	Conservation Group
Clatsop Economic Development Fisheries Project	County	Oregon Wildlife Heritage Foundation	Conservation Group
Coos County STEP Commission	STEP Group	Nez Perce Tribe	Tribal
Curry Anadromous Fishermen	STEP Group	Port of Umatilla	Port
Curry Soil and Water Conservation District	County	Port of Cascade Locks	Port
Curry Sport Fishing Association	Sportfishing Organization	Rogue Basin Coordinating Council	Watershed Council
Douglas Soil and Water Conservation District	County	Smith River Watershed Council	Watershed Council
Gardiner-Reedsport STEP Association	STEP Group	Springfield Public School District	Public
Grande Ronde Model Watershed Foundation	Watershed Council	The Nature Conservancy	Conservation Group
International Pacific Halibut Commission	Public	Tilamook Anglers	Sportfishing Organization
Jackson Bottom Wetlands Preserve	Non-Profit Organization	Warrenton High Fisheries Inc.	Non-Profit Organization
Lomakalsi Restoration Project	Conservation Group	Wasco County Road Department	County
MAV Field Boosters	Non-Profit Organization	Wolfree. Inc.	Conservation Group



the public the opportunity to participate in hands-on activities and get a better understanding of resources and recreational fishery management challenges. Partnerships also help to build trust and support between the public and ODFW and foster communication and support. Through collaborating on small local projects with angling organizations, the R&E program helps build public advocacy for fishery resources in Oregon communities that is reflected in local and statewide political support for the program and ODFW.

### **How Does the R&E Program Benefit Commercial Fishing?**

The purchase of oxygen supplementation equipment at Gnat Creek hatchery that allows the hatchery to raise more Chinook salmon destined for the troll and gillnet fisheries on the Columbia River was a commercially funded project. The Lower Columbia Sturgeon Conservation Planning project, a part of the ODFW Native Fish Conservation Plan, was another commercially supported project. This project will provide important data on sturgeon populations in the Columbia River and assist with management of the commercial sturgeon fisheries. Commercially funds are directed towards fish habitat projects, such as the Middle Fork John Day Restoration Project, which funded over 1 mile of channel restoration work on a tributary of the John Day River. Commercial funds acquired almost 2 miles of riparian greenway between Island City and La Grande, areas occupied by native spring Chinook salmon. Although commercial harvest is not allowed in these areas, it was felt that these projects were prudent investments in watersheds where recovery of native salmonids was highly possible in a relatively short time span.

### **Who Can Apply for R&E Program Funding?**

Any public or private non-profit organization may request funds to implement fish restoration or enhancement projects. Typical applicants include:

- Educational institutions;
- Fishing organizations;
- Government agencies;
- Soil and Water Conservation Districts;
- Angler clubs;
- Watershed councils.

The R&E application process has approximately four annual “windows” when applications are accepted. There are eight funding cycles in a biennium, and these cycles allow for projects to be developed and submitted on a continual basis and avoid having all project applications coming in at once. Approximately 20-60 project applications are received each cycle, and although cost share is not required, projects that have multiple partners and show high degrees of match funding are usually preferred by the Restoration and Enhancement Review Board. Angler groups that have federal tax exempt status are especially encouraged to apply. The application is located at <http://nrimp.dfw.state.or.us/RE/> and is a “paperless” on-line application. Applicants complete an electronic R&E application form that becomes the “Project Proposal”. Applicants need to provide a description of the proposed project, the work to be undertaken, the benefits provided to recreational and/or commercial fisheries, a detailed budget, and any other pertinent information. The timeframe between the R&E application deadline and the availability of funds for approved projects is approximately 6 months. Once all of the complete proposals are received for a given review cycle, they will be reviewed in a three-part process, with the first part being a review by an ODFW internal review team. The review team provides scoring and comments from a panel of biological experts with regard to technical merit and the fit of the proposed project with ODFW agency policies.

The second review is by the R&E Board. Approximately 2-3 weeks before an R&E Board meeting, proposals are sent to R&E Board members along with the ODFW internal review team rankings and comments. At Board meetings, Board members discuss projects and decide which projects to recommend to the Oregon Fish and Wildlife Commission (Commission) for approval. The Board reviews projects for consistency with ODFW fish management objectives and for their contribution to recreational and/or commercial fisheries, fish conservation and recovery, or other fishery attributes. Applicants or other members of the public may make brief statements regarding any project. Applicant presentations typically outline the project, its value, and responses to any concerns expressed by the internal



ODFW review or R&E Board. All R&E Board meetings are advertised and open to the public.

The final part of review is by the Commission. Projects that have been recommended for funding by the R&E Board are presented to the Commission by R&E Program staff for final approval. Typically, the Commission follows R&E Board recommendations and applicants do not make presentations.

All applicants are notified of the R&E Board or Commission decisions after the meeting. Successful applicants will receive a grant agreement after the Commission meeting. The agreement will include terms and conditions of project approval and funding commitments. The applicant is responsible for obtaining all local, state, or federal permits required for the project before grant funds are awarded.

### What is the Role of the R&E Board?

The legislation that established the R&E Program in 1989 also established a citizen's advisory board to assist ODFW in administering the R&E program. The R&E Board consists of seven members that are appointed by the Oregon Fish and Wildlife Commission. The membership

represents the public-at-large, commercial fishing, and sport fishing interests. R&E board members review project proposals and make funding recommendations to the Commission. Board members meet four times a year to review grant applications and conduct other program business. Specifically, the R&E Board does the following:

- Work with ODFW staff to actively solicit a variety of proposals that provide direct benefits to fisheries throughout Oregon;
- Serve as "ambassadors" for ODFW in their communities and encourage local R&E projects;
- Review and makes funding recommendations on projects submitted for funding by various organizations;
- Seek public input concerning projects.

The R&E program also has two ODFW staff committed to the program. Program staffing consists of one full time R&E Program Coordinator and an R&E Program Administrative Assistant. Administration funding directly comes from R&E Funds and overhead in 2007-2009 was 14 percent of the overall program budget.

### Current R&E Board Members



**Darlene Kline-Dolby**, retired U.S. West employee from Eugene, represents sport anglers.



**Dixie Boley**, a part owner of Fisherman Direct from Gold Beach, represents the seafood processing industry.

**Gary "Suds" Soderstrom**, a commercial fisherman from Clatskanie, represents the gillnet fishing industry.



**Jack Glass**, full time fishing guide from Troutdale, represents sport anglers.



**Terry Learned**, a commercial fisherman and dory boat builder from Pacific City, represents the troll fishing industry.



**Bob Mullong**, a retired teacher from Bend, represents the public-at-large.



**Lonnie Johnson**, a retired printing press operator from Grants Pass, represents sport anglers.





## R&E Board Member Perspective

*There are so many reasons I love warmwater fishing, I tend to lose count. Primarily, I fish for bass, largemouth and smallmouth. There are virtually no seasons, they are plentiful in various standing water bodies throughout the state, and they provide a substantial challenge. I have also fished for many other types of saltwater and coldwater fish, but warmwater fish are my favorites.*

*When I was growing up, I learned to fish from my Dad, who is gone now; but his legacy lives on. I've had the good fortune to teach both my sons to fish, and we still find opportunity to go fishing together. Fishing provides a connection between us that I cherish. My wife, Debbie, is my constant fishing partner, which makes me one of the luckiest men in the world. How many men have a wife who whispers those three little words men love to hear, "Let's go fishing"?*

In today's society parents can be very engrossed in supporting and feeding the family. There seems to be no time to include recreational pursuits like fishing. Many kids do not have the opportunity to learn the thrill of catching crappie, bluegill, trout, perch, salmon, steelhead, or the occasional bass. I try to take as many kids fishing as I can each year, just to give them the sense of accomplishment that I hold so dear. Perhaps there is room for a youth mentoring program in your area. I can name quite a few programs that already prepare kids for the outdoors, but if every one of us took just one more kid fishing every year it could really make a difference.

There are as many points of view about warmwater fishing vs. coldwater fishing as there are anglers. My view is that there is room for both, as long as the boundaries are observed and respected. There is one overriding concept that I try to keep in mind: it is all fishing no matter what kind of fishing it is. Whether you fish coldwater, warmwater, ocean, or all combined, it is quality time on the water that is part of our heritage and should be conserved and continued for our descendants.



**Lonnie Johnson, R&E board member**

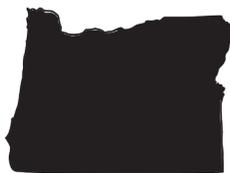
As a member of the ODFW R&E Board, I see literally hundreds of worthwhile projects come up for review. I am constantly amazed at the number of dedicated, diligent volunteers who spend thousands of hours to help restore and enhance our fisheries. The biggest challenge to the R&E Board is not enough money to fund them all. I hope that in the coming year that challenge will be relieved with the proposed fee increase. The R&E Board is funded through your license dollars and is one of the most efficiently run programs in the state government. All seven members are volunteers, and program administration costs are kept to an absolute minimum so that the bulk of the money can be spent directly on projects. I am proud to be part of the R&E Program and hope that others will see the tremendous value that R&E brings to sportfishing in Oregon.





# Project Showcase

## Statewide



### Project 07-021 STAC Mini Grant Program

This project provided funding for the Salmon Trout Enhancement Program Advisory Committee (STAC) Mini Grant program. Individual grants up to \$750 each are reviewed and approved by STAC four times annually at their regularly scheduled public meetings. Grant applications are reviewed by the area Salmon and Trout Enhancement Program (STEP) Biologist and area STAC representative before they are forwarded to the full committee for additional review and final approval. STAC reviews are based on project need and benefit, cost effectiveness, match funding contribution, and alternative approaches proposed. The STEP Coordinator verifies the completion of all other grant requirements including any financial documents and the project completion report. Past projects funded by the program include: fish and fish habitat inventory, habitat restoration, and educational efforts. Many of these grants support the Egg to Fry program which is very popular in elementary schools.

**R&E Program Investment: \$25,000**  
**Total Project Cost: \$25,000**  
**Funding Source: Sport**

*"The Salmon Trout Advisory Committee appreciates the support that the R&E Board has shown in funding the Mini Grant Program. This program has become increasingly popular as a source of seed money for projects benefiting salmonids throughout Oregon".*

Dave Dunahay, Chair, Salmon Trout Advisory Committee

### Project 07-042 Creeks and Kids Watershed Workshops

This project funded field-based workshops for natural resource specialists, teachers, and individuals interested in aquatic-watershed education and involvement programs. In the late 1990's, ODFW and Jackson Bottom Wetlands Preserve partnered together to continue the 15 year history of providing this program, and in this time period over 1,000 educators have participated in the Creeks and Kids program. Many of the past students have worked with Salmon Trout Enhancement Program (STEP) biologists from ODFW and other fish and wildlife professionals to improve stream health in Oregon. Each year, participants work with ODFW, Jackson Bottom Wetlands, and other agency staff to gain skills in getting students involved in watershed education and restoration work. The overall goal of the Creeks and Kids Program is to increase citizen involvement in improving salmon and trout populations, which in turn improves water quality and restores watershed functions which results in healthy watersheds throughout Oregon.

**R&E Program Investment: \$31,370**  
**Total Project Cost: \$44,613**  
**Funding Source: Sport**

*"It must be known that the Creeks and Kids workshop is the most powerful and effective professional development class I have taken in my 10 years as an educator. Simply put, it is critically important that educators receive training from knowledgeable and passionate instructors. The participation in the activities along with the streamside training in data collection will prove, I believe, to be the spark I need to begin implementing water ecology in the classroom. I now have the confidence to begin building a comprehensive program this fall. I would like to thank the R&E Board for sponsoring this workshop."*

Creeks and kids workshop attendee





**Project 07-071**  
**Easy Angling Oregon**

This project funded the revision and reprint of the very popular ODFW "Easy Angling Oregon" publication. Revisions included the addition of several new waterbodies that are in close proximity to population centers. Oregon is an angler's paradise because of its tremendous variety of fishing opportunities; however, for the novice or beginning angler it can be intimidating to determine what to fish for or where to go. The Easy Angling Oregon publication assists with reducing new

angler confusion by highlighting waterbodies that provide some of the best and easily accessible opportunities for new anglers to catch fish and have an enjoyable outdoor experience with friends and family.

**R&E Program Investment: \$12,500**  
**Total Project Cost: \$35,692**  
**Funding Source: Sport**



**Project Showcase**

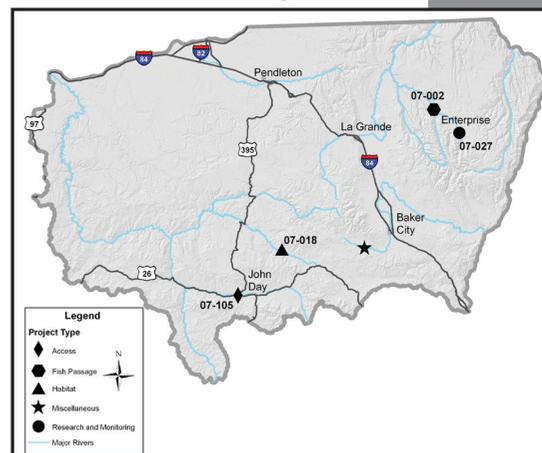
**Project 07-027**  
**Wallowa Lake Plankton and Lake Trout Sampling**

This project funded a laboratory analysis of plankton and fish populations in Wallowa Lake. The lake currently supports a popular sport fishery for kokanee, a "put and take" rainbow trout fishery, and a trophy fishery for introduced lake trout. However, recent fluctuations in kokanee numbers, size, and catch rate suggest changes are occurring within the lake ecosystem. This analysis provided data to assist in understanding these changes and identifying the management actions necessary to preserve this important recreational resource. Potential management options that could be employed included

measures such as reducing lake trout numbers or substantially changing kokanee bag limits.

**R&E Program Investment: \$7,080**  
**Total Project Cost: \$66,392**  
**Funding Source: Sport**

**Northeast Region**



*"Since the early 1990s the catch and harvest rates of kokanee have declined on Wallowa Lake. While the number of fish has declined, the maximum size of the fish has increased dramatically – from an average of eight to 11-inches to a current state record of 26.5 inches and 6.75 pounds. We believe the changes in the Wallowa Lake kokanee fishery are the result of the introduction of the non-native lake trout and mysid shrimp, and with the help of R&E program funding, the information collected from Wallowa Lake will help guide future management decisions that, hopefully, will maintain a quality kokanee fishery and a trophy lake trout fishery".*

**Bill Knox, ODFW Assistant District Fish Biologist, Enterprise**



**Enhancement Emergency Funds Project\*  
Phillips Lake Reservoir**

This project funded a temporary employee to be an on-site project leader who supervised perch removal efforts from Phillips Reservoir on a daily basis. Illegally introduced into the reservoir, yellow perch have overpopulated and have decimated the food base, which has ruined the traditional trout fishery. ODFW is working with Baker County and local constituents to develop plans for restoring the trout fishery, however, development of a restoration plan is expected to take another 12 to 18 months. As an interim measure, ODFW agreed to work with Baker County to institute this emergency project to remove perch from the reservoir in hopes that this will lessen the impact on the trout food base which will lead to improved fishing. The perch will be removed by deploying Merwin trap nets in April for a period of two to three weeks. Perch removed from the reservoir will be hauled to a rendering plant near Nampa, Idaho. The project will be carried out by local volunteers, local prison crews, county staff and fish district staff.

*\* R&E Emergency funds: Two accounts (one for restoration projects and one for enhancement projects) are designated by the R&E Board to fund projects that may need immediate funding in between regular R&E Board meetings. The R&E Coordinator is authorized to fund up to \$5,000 without Board approval but any amount over \$5,000 requires a special meeting and quorum vote of the R & E Board.*

**R&E Program Investment: \$2,000**  
**Total Project Cost: \$25,230**  
**Funding Source: Sport**

**Project 07-002  
Lostine River Fish Passage Design**

This project provided funding for a contracted engineering firm to conduct engineering surveys and produce designs for the future repair or replacement of two aging ODFW fishways on the Lostine River. Originally constructed in the 1960's, the full spanning step pool ladders are deteriorating, and the fish passage function has degraded. This degradation reduces jump pool height at low flow and impedes juvenile spring Chinook



***"This project will ultimately result in improved fish access to quality spawning and rearing habitat upstream. This is the initial step in an effort that will provide benefits to fish and anglers for years to come."***

**Brad Smith, ODFW District Fish Biologist, Enterprise**

and steelhead movement in the middle reaches of the Lostine River. Due to the advanced deterioration of the structures, potential for failure is high. Failure of these structures could block access to approximately 15 miles of Chinook and steelhead spawning habitat and this action would directly affect recreational anglers in the Grande Ronde basin by loss of salmon and steelhead productivity.

**R&E Program Investment: \$15,000**  
**Total Project Cost: \$18,000**  
**Funding Source: Sport**

**Project 07-018  
Boulder Creek and Middle Fork Restoration Project**

This project provided funds to restore stream channel morphology, fish habitat, and the adjoining riparian community on approximately 2.5 stream miles in the Middle Fork John Day River watershed near John Day. Past land use in this area impaired aquatic and riparian habitat and impeded steelhead, Chinook salmon, and bull trout spawning and rearing. Boulder Creek provides spawning and rearing habitat for listed summer



steelhead, rearing habitat for resident redband trout, rearing habitat for juvenile spring Chinook, and in the recent past supported a bull trout population. This area is a high priority area for restoration in the Middle Fork watershed for ODFW.

**R&E Program Investment: \$133,760**  
**Total Project Cost: \$619,029**  
**Funding Source: Commercial**



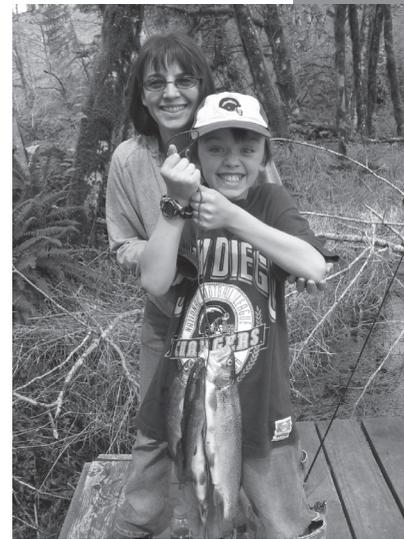
*“There are so many pieces of the puzzle and habitat is a critical part of the puzzle. Habitat is very important. If we can*

*improve habitat, we can have more wild fish, and the John Day is a premium wild fish area that we have a good chance to get results in.”*

**Gary “Sudsy” Soderstrom, R&E Board Member, Gillnet Fishing Representative**

**Project 07-105  
 Holliday Park Pond  
 Enhancement**

The project funded the deepening of a former log pond and the construction of an Americans with Disabilities Act accessible floating fishing platform and ramp. The pond was excavated to allow stocked rainbow trout to survive during high summer temperatures. Located between Mt. Vernon and John Day, the pond is located in Clyde Holliday State Park and provides excellent angling opportunities for the local community and park visitors. This pond will be an excellent site for Free Fishing Day and other Youth Angler events in the future.



**R&E Program Investment: \$15,100**  
**Total Project Cost: \$37,000**  
**Funding Source: Sport**

**Project Showcase**

**Project 07-003  
 Cedar Creek Liberation Truck**

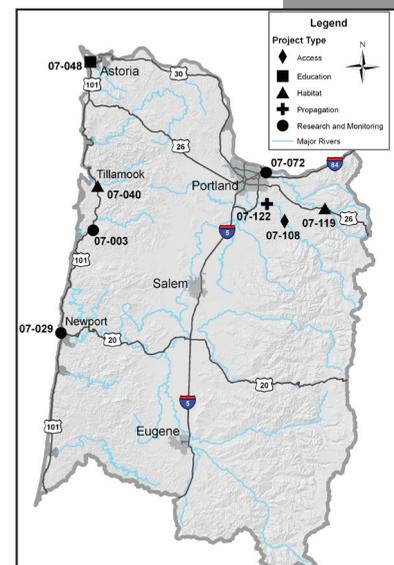
This project replaced an old liberation truck with a new truck. The tank from the old truck was used on the new truck to further save funds. The previous truck had logged more than 275,000 miles and was prone to breakdowns that caused loss of staff time and created fish stocking scheduling problems. The new truck is used for transporting adult fish, juveniles, and rainbow trout from ODFW hatcheries to local lakes and ponds for angler opportunities.

**R&E Program Investment: \$84,977**  
**Total Project Cost: \$148,828**  
**Funding Source: Sport**

**Project 07-029  
 Cooperative Rockfish  
 Survey**

This project funded a fishery-independent rockfish survey that provided critical data for rockfish stock assessments. By expanding on existing IPHC (International Pacific Halibut Commission) surveys, the sponsor achieved substantial efficiency and cost savings. Station locations were determined in coordination with local recreational and commercial fishers, ODFW, Oregon State University, and the IPHC. These additional survey

**Northwest Region**





stations encompassed high relief rocky habitat that rockfish inhabit. Much of the known status of some species, such as yelloweye rockfish, had been based on assessments lacking data from these areas and can therefore inaccurately reflect stock status. This project will fill in those missing gaps and allow ODFW to accurately manage sensitive rockfish stocks.

**R&E Program Investment: \$45,967**

**Total Project Cost: \$173,922**

**Funding Source: Sport**

***benefit for rockfish data capture by utilizing the resources of both agencies."***

**Claude Dykstra,**

*Survey Manager, International Pacific Halibut Commission*

**Project 07-040**

**North Coast Log Salvage**

This project funded the transport costs of trees donated for restoration projects. Donated trees are frequently offered free of charge to ODFW for use in North Coast restoration projects. These donated materials were moved to restoration sites or designated storage sites for future use by local log haulers. Placing large woody debris in stream channels and in riparian areas benefits multiple salmonid species by creating habitat used for spawning and by juveniles and improving water quality. Providing this additional habitat and improving water quality allows for greater natural production and survival that translates into stronger fish runs, greater fishing success, and increased fishing opportunities.

**R&E Program Investment: \$6,950**

**Total Project Cost: \$67,539**

**Funding Source: Sport**



***"The International Pacific Halibut Commission conducts a comprehensive survey of halibut abundance annually. This survey occupies a fixed-station grid of over 1,200 stations from northern California to the Bering Sea, including the Oregon coast. With help from the R&E Program, the Commission and the Oregon Department of Fish and Wildlife initiated a cooperative program to augment the IPHC sampling grid off Oregon with an additional set of stations designed to index rockfish abundance. The cooperation between the Commission and the Department allows a maximum***

**Project 07-048**

**Warrenton Hatchery Public Water Quality Logger**

This project provided the Warrenton High School Fisheries Research and Rearing Facility a data logger and other associated equipment that assists area high school students enrolled in the fisheries program to conduct accredited water quality research in the Skipanon Watershed. This equipment provides outside entities the ability to access real-time water quality data that is used for research, monitoring, and management purposes. The facility is a Salmon Trout Enhancement



Program (STEP) facility that has been functioning since the 1950's providing natural resources education to hundreds of local area high school students who have hatched and reared thousands of fall Chinook, coho and winter steelhead.

**R&E Program Investment: \$17,720**  
**Total Project Cost: \$ 43,177**  
**Funding Source: Commercial**



*"When I look at this project, I look at how it has revitalized pride in our community, school, and our students. This project has exposed*

*and opened up career pathways for many of our students that many of them would have never considered. Thanks to the R&E program, we now have real time lab integrated with wireless technology which in effect has enabled this program to play a part in nearly every academic department in the school."*

**Rod Heyen, Principal, Warrenton High School**

**Project 07-072**

**Lower Columbia Sturgeon Conservation Planning**

This project will develop a white sturgeon conservation and management plan for the jointly managed Lower Columbia River. The Lower Columbia River white sturgeon population provides significant commercial and recreational angling opportunities for Oregon anglers with more than 140,000 sturgeon landed to date. The plan will describe current species status and population dynamics, identify research, monitoring, and evaluation efforts necessary to monitor current sturgeon management impacts. The final product will provide a basis for public, tribal, state and federal involvement and participation in the development of a final Lower Columbia River White Sturgeon Management Plan.

**R&E Program Investment: \$39,908**  
**Total Project Cost: \$85,474**  
**Funding Source: Commercial**

*"To date, we have completed a draft of the lower Columbia River White Sturgeon Conservation Plan that includes current white sturgeon status, basic biology, history of white sturgeon fisheries, and other background information. We are currently working with our technical advisory committee on drafting biological objectives for the plan. The substantial progress ODFW has made toward the eventual completion of this plan would not have been possible without the support of the R&E Board."*

**Tucker Jones, ODFW Columbia River Investigations Project Leader, Clackamas**



**Project 07-108**

**Estacada Lake ADA Angler Fishing Platform**

This project funded construction of an Americans with Disabilities Act accessible fishing dock on Estacada Lake. Estacada Lake is a reservoir formed by River Mill Dam on the Clackamas River. Disabled anglers with a free ODFW Oregon Disabilities Fishing Permit will have unrestricted access to fishing for trout, spring Chinook, and summer and winter steelhead. This is a much needed addition to fishing access in the Portland metropolitan area.

**R&E Program Investment: \$32,800**  
**Total Project Cost: \$59,600**  
**Funding Source: Sport**

*"This project is an example of a great partnership between the R&E program, the Oregon Wildlife Heritage Foundation, and a dozen private donors that will provide quality fishing for disabled anglers to fish for hatchery salmon, steelhead, and trout."*

**Rod Brobeck, Project Manager, Oregon Wildlife Heritage Foundation**





**Project 07-119**

**Salmon River Aquatic Restoration Project**

This project funded the Salmon River Aquatic Restoration Project, which identified restoration opportunities to improve aquatic and floodplain habitat conditions for salmon and steelhead on the Salmon River. The Salmon River provides key habitat for coho, spring Chinook, and winter steelhead and is a cornerstone of basin wide efforts to restore these fish. The river also supports a very popular recreational fishery for coho, spring Chinook, and winter steelhead. Prior watershed assessments and restoration strategies have identified limiting factors, priority reaches, and generally needed restoration actions. This project identified specific sites to implement habitat restoration projects, including large wood placement, dike removal, and the reactivation of historic side channels.

**R&E Program Investment: \$49,630**

**Total Project Cost: \$75,675**

**Funding Source: Sport**

dramatically decreased. The project will improve angling opportunities by slowing the migration of adult spring Chinook and concentrating fish in areas accessible to anglers.

**R&E Program Investment: \$29,710**

**Total Project Cost: \$54,662**

**Funding Source: Sport**



*"The Sandy River Basin Partners, in their efforts to recover Sandy basin salmon and steelhead, are focused on achieving immediate restoration efforts on the Salmon River. R&E program funding will make it possible to launch a project designed to restore the*

*Salmon River at the basin scale and will identify a suite of restoration actions necessary to return aquatic habitat in this key watershed to historic conditions."*

**Mark McCollister, Fish Refuge Director, Oregon Trout**



**Project 07-122**

**Clear Creek Acclimation Pond**

This project funded an acclimation pond for spring Chinook on Clear Creek, a lower Clackamas River tributary. The Clackamas River historically provided a very popular sport fishery close to downtown Portland. In recent years, angler success for spring Chinook has

*"Early indications are that these acclimation ponds will provide significant benefits to anglers fishing the very popular lower Clackamas River spring Chinook fishery. This project will help ODFW to restore this fishery to the level it was 15-20 years ago".*

**Todd Alsbury, ODFW District Fish Biologist, Clackamas**



## Project Showcase

### Project 07-030 Johnson Creek Large Woody Debris Placement

This project funded the placement of logs, root wads, and large boulders at various enhancement sites in Johnson Creek. Assessments of the proposed project site by fisheries biologists concluded that the creek was severely lacking in large woody debris and habitat complexity. Presently, the stream channel consists almost entirely of riffles with a lack of complex pools, cover, side channels, or alcoves. Coho, winter steelhead, and coastal cutthroat trout extensively use this creek and while there is an abundance of spawning gravel, juvenile salmonid production would benefit from an increase in rearing habitat and winter refugia. This project created a diversity of habitat types that will increase juvenile production during the summer rearing period and will assure greater survival during winter high flows.

**R&E Program Investment: \$10,950**  
**Total Project Cost: \$19,850**  
**Funding Source: Sport**



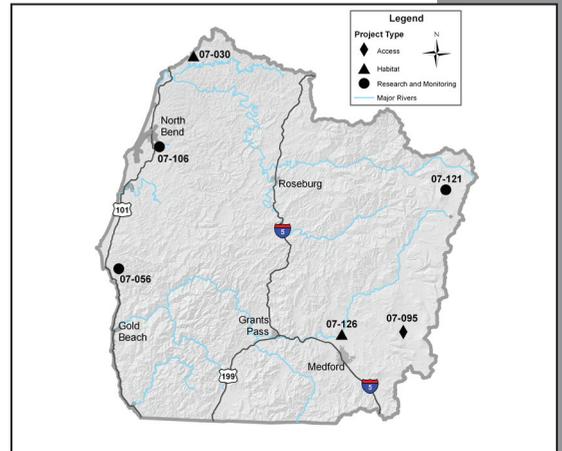
*"In order to achieve our goal of watershed restoration it is necessary to tap into a variety of available resources. The ODFW R & E program is an important funding component. Without this invaluable program we could not fund projects such as the Lower Johnson Creek Wood Placement."*

**Troy Turney**, Smith River Watershed Coordinator, Reedsport

### Project 07-056 Elk River Chinook Harvest and Escapement

This project provided funding for a creel survey, broodstock collection efforts, and spawning ground sampling of coded wire tagged Chinook salmon on the Elk River. The fishery exploitation rate applied to all mid Oregon coastal Chinook stocks to regulate the United States and Canada mixed stock fisheries is determined from this data. The Elk River also supports Oregon's largest terminal commercial fisheries where about 4,000 Chinook are caught annually in the bubble fishery off Port Orford and more than 3,000 fish supply the sport fishery.

### Southwest Region



Without this information, ODFW would have difficulty in having a regulatory mechanism to ensure these mixed stock fisheries meet management and conservation needs for maintaining economically important Elk River commercial terminal and sport fisheries and spawning escapement goals.

**R&E Program Investment: \$95,002**  
**Total Project Cost: \$220,602**  
**Funding Source: Commercial**



*"The 2008 recovery project at Elk River is well under way. Through mid-December 2008 the recovery crew sampled 51 of the 205 Chinook landed in the terminal fishery, and nearly 600 Chinook were sampled by the statistical creel, with approximately 55 Chinook carcasses recovered on spawning surveys. Thanks to the R&E Board, this important Pacific Salmon Treaty monitoring project was continued through 2009."*

**Todd Confer**, ODFW District Fisheries Biologist, Gold Beach.



**Project 07-095  
Fish Lake ADA Accessible  
Fishing Dock**

This project funded construction of an Oregon Marine Board certified dock built by Butte Falls High School students. Of the four sections of dock, the first section is located at a favorite fishing hole and is Americans with Disabilities Act (ADA) accessible. This dock

is the closest ADA accessible dock within 40 miles and will provide a much-needed opportunity for disabled anglers in the future.

**R&E Program Investment: \$6,940**  
**Total Project Cost: \$35,178**  
**Funding Source: Sport**

**Project 07-106  
Coos River STEP Fall Chinook Monitoring and  
Evaluation Program**

This project funded several important components of an overall monitoring and evaluation of the Coos River Salmon and Trout Enhancement Program fall Chinook hatchery program. Final products funded by this project included: an overall evaluation of the Coos River STEP propagation projects; a determination of the levels of contribution to the ocean and Coos Basin fall sport Chinook fisheries; and an assessment of any adverse ecological impacts to area watersheds from the Coos River fall Chinook fish propagation program.

**R&E Program Investment: \$13,493**  
**Total Project Cost: \$41,600**  
**Funding Source: Commercial**

***“The Coos River fall Chinook STEP Project Monitoring and Evaluation Plan is a great program because it involves STEP volunteers, local school kids, and ODFW staff who are all working together to collect more information on what effects our hatchery programs may have on the Coos River basin and the community. The knowledge gained***



***through this plan will help manage our hatchery fall Chinook programs with the least amount of impacts to wild fish in the Coos River basin.”***  
**Gary Vonderhoe, ODFW STEP Biologist, Charleston**

**Project 07-121  
Diamond Lake Monitoring Program**

This project funded the continuation of Diamond Lake post treatment monitoring for 2008. In 2007, the first year after post-treatment, project monitoring documented dramatic changes in the lake. Diamond Lake spent over a decade with invasive Tui chub dominating and devastating the ecosystem. In September 2006, Diamond Lake was treated with rotenone, making it fishless. After a successful treatment, the lake was minimally stocked with trout in the spring of 2007 and monitored throughout the year. This monitoring documented dramatic increases in the zooplankton and benthic macroinvertebrate biomass and decreases in phytoplankton biomass. Water quality pH limits decreased, dissolved oxygen levels improved, and transparency increased. Future monitoring would include fish sampling, water quality sampling, nutrient levels, plankton numbers, bacteria levels, chlorophyll a analysis, and professional identification of benthic macroinvertebrate samples. This monitoring activity will help determine the level of biological recovery of Diamond Lake after the successful removal of the Tui chub and will fulfill requirements for Oregon Department



of Environmental Quality Total Maximum Daily Load implementation as Diamond Lake is still on the 303d list as “water quality impaired”. Diamond Lake was once a premier trout fishery and monitoring the condition of the lake ensures that ODFW will be able to manage the fishery to provide a premier trout fishery while not damaging the health of the lake.

**R&E Program Investment: \$22,805**  
**Total Project Cost: \$44,207**  
**Funding Source: Sport**

**Project 07-126**  
**Little Butte Creek Meander Project**

This project funded the development of a restoration design for a portion of Little Butte Creek located in Denman Wildlife area near Medford. The preliminary design will guide the development of various restoration options and identify a preferred alternative that provides

the highest benefits to aquatic resources and the watershed. Eventually, with the reconnection of the side channel of the creek, high water flows will be reduced and gravel will stay in the project reach. This will increase the amount of spawning habitat for fall Chinook and winter steelhead.

**R&E Program Investment: \$20,600**  
**Total Project Cost: \$26,420**  
**Funding Source: Sport**

*“This is a really good project and a unique opportunity to reconnect a stream to its historic channel and floodplain, thus increasing and improving fish habitat. R&E funding allows us to take the first step toward making it happen. Without that funding, we’d still be just talking rather than moving forward.”*

Jay Doino, ODFW Watershed Liaison, Central Point

## Project Showcase

**Project 07-014**  
**Cottonwood Creek**  
**Fish Passage**

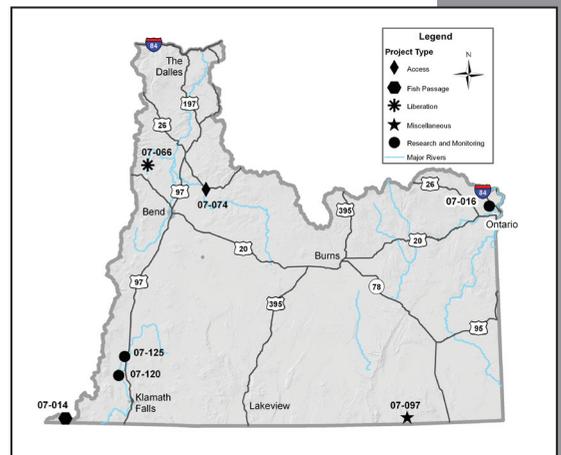
This project provided funding to remove a culvert that was a steelhead and resident trout migration barrier. High water velocities and a lack of substrate for resting prevented fish movement through the culvert, and the outlet plunge and resulting scour pool prevent upstream passage. These concerns were completely addressed through construction of a bridge. The project is located in the mid-Klamath Basin below Iron Gate Dam, in an important tributary for rearing and migration of steelhead from the lower Klamath River.



*“The R&E program was such as a blessing for us on the Cottonwood Creek project. The program provided critical funding and support which allowed for the successful implementation of the project. Additionally, the R&E staff was extremely helpful and supportive throughout the process”.*

Justin Cullumbine, Program Director, Lomakatsi Restoration Project

## Southeast Region



**R&E Program Investment: \$18,217**  
**Total Project Cost: \$166,654**  
**Funding Source: Sport**



**Project 07-016**  
**Malheur District Fish Population and Assessment**

This proposal funded several assessments in the ODFW Ontario fish district area that yielded information on fish population status, abundance, and fisheries potential, particularly in areas where this information was non-existent. This information will significantly improve ODFW's knowledge and understanding of resident and warmwater fish abundance and distribution in the district area and will be useful in effective fish management and in developing and/or enhancing angling opportunities in the area.

**R&E Program Investment: \$26,410**  
**Total Project Cost: \$26,410**  
**Funding Source: Sport**

does not require a driver to have a CDL, and has an average mileage of 12 to 14 miles per gallon. The new truck is very helpful in hauling hatchery trout to rivers and lakes in the high desert region for the benefit of anglers.

**R&E Program Investment: \$50,000**  
**Total Project Cost: \$70,000**  
**Funding Source: Sport**



*"The equipment purchased by this R&E grant has already been useful in collecting population information from McDermitt Creek and from Malheur Reservoir. Both of these projects will help immensely with landowner and public relations in the area."*

**Ray Perkins, ODFW**  
*Assistant District Fish Biologist, Ontario*

**Project 07-074**  
**Prineville Fishing Pond**

This project funded the construction of a fishing pond for the community of Prineville, and will provide angler access for youth and disabled persons to a fishery within city limits. In addition, this pond reduced the need for stocking in Ochoco Creek, which will eliminate problems with competition between native redband trout and hatchery fish. This project would also provide a place to host public fishing and youth angling educational activities.

**R&E Program Investment: \$19,314**  
**Total Project Cost: \$70,000**  
**Funding Source: Sport**

*"The community helped ODFW build the Prineville Youth Pond to get kids involved in fishing and get them excited about things other than television and trouble...we are willing to help out with anything to keep kids on the right track."*



**Rance Kaster, Resident, Prineville**

**Project 07-066**  
**Wizard Falls Liberation Truck**

This project provided Wizard Falls Hatchery and the High Desert Region Liberation Program a new fish stocking truck. The current truck was over 23 years old and had over 140,000 miles registered with an average fuel mileage of 6 miles per gallon. The truck was no longer safe to operate or cost effective to repair, and the truck required a driver with a commercial drivers license (CDL). The fish hauling capacity of the new truck is slightly less than the current truck (960 gallons versus 1200 gallons),



**Project 07-097**

**McDermitt Creek Lahontan Cutthroat Restoration**

This project funded the restoration of a Lahontan cutthroat trout population in the McDermitt watershed by removing non-native fish such as brook trout. Chemical treatment using rotenone was employed to remove non-native fish, and fish barriers were installed on tributaries and upper reaches of the McDermitt Creek system to protect existing trout populations from reinvasion after treatment. The opportunity to fish for native Lahontan cutthroat trout in Oregon is extremely limited. The only native populations open for angling exist in Willow and Whitehorse creeks and they are catch and release only. Eventually, McDermitt Creek may be re-opened to catch and release angling and if species recovery in the area is sufficient, eventually a limited harvest could be allowed. In addition, residents have noted that angling for trout has been very poor over the past 10 to 15 years, and re-establishing trout populations may result in fish that are more resilient to drought conditions.

**R&E Program Investment: \$14,555**

**Total Project Cost: \$175,307**

**Funding Source: Sport**



*“The R&E program provided invaluable assistance in implementing the Lahontan cutthroat trout restoration project on McDermitt Creek and we have high hopes for the long term restoration potential of the trout population in the future.”*

*Tim Walters, ODFW District Fish Biologist, Hines*

**Project 07-120**

**Upper Klamath Lake Recreational Fishery Survey**

This project funded a creel survey on Upper Klamath Lake near Klamath Falls. Upper Klamath Lake supports a very popular recreational redband trout fishery for trophy-sized redband trout. Trout captured in Upper Klamath Lake commonly reach over 10 pounds in size and are some of the largest native trout in North America. Redband trout numbers have been a focus of concern for ODFW, especially in the Wood River. Redband trout reared in the Wood River migrate to Agency and Klamath Lake to grow and are available for harvest in the lake fisheries. Currently, the recreational redband fishery has very conservative angling regulations in place for maximum protection. A better understanding of the redband trout harvest in the Upper Klamath Lake fishery will allow ODFW to provide sustainable angling opportunities in both the lake and river recreational trout fisheries.

**R&E Program Investment: \$76,174**

**Total Project Cost: \$138,556**

**Funding Source: Sport**



*“Creel surveys are a systematic and repeatable approach to gather information about fish and anglers in a fishery. A well-designed survey provides managers with unbiased estimates of the numbers of fish caught and released, as well as estimates of angler effort.”*

*Mary Buckman, ODFW Biometrician, Corvallis*



**Project 07-125**  
**Ceratomyxa shasta Impacts on Upper Klamath River Salmon**

This project funded mapping of *Ceratomyxa shasta* parasite distribution using water samples collected throughout the Klamath system. This data identified locations where release of parasites is high. As these locations are identified, surveys for the host are conducted and host habitat use is examined to determine the conditions that promote parasite colonization. Genetic analysis of the parasite is conducted at each step to determine if particular parasite strain plays a role in infection. The distribution of *C. shasta* in the Williamson and lower Sprague Rivers has not been examined since the 1980's and recent severe infections by *C. shasta* have caused high mortality in migrating juvenile salmon in the lower Klamath River during the past decade. These effects are most evident in the Klamath River below Iron Gate Dam. However, levels of *C. shasta* have also been detected in the Williamson River and the upper Klamath basin. Defining the parasite's distribution, the fish that support its lifecycle, and the conditions that result in this highly infectious disease are critical to making management decisions that will reduce

disease effects basin wide and allow successful reintroduction of salmon into the upper Klamath basin.

**R&E Program Investment: \$88,148**  
**Total Project Cost: \$176,860**  
**Funding Source: Commercial**

*"We anticipate that these R&E funded studies in the upper Klamath River will help explain why infections by the parasite *Ceratomyxa shasta* are so severe in areas below Iron Gate Dam, and this information will help us to predict potential disease issues as salmon are reintroduced above the dams".*

**Dr. Jerri Bartholomew,**  
*Microbiologist, Oregon State University*





## 2007-2009 R&E Project List

Administration		Total Project Cost	R&E Funds	Activity	Restoration/Enhancement
07-000	Administration	\$463,561	\$463,561	Administration	n/a
07-000B	Administration - Electronic Application Support	\$15,000	\$15,000	Administration	n/a
Commercial		Total Project Cost	R&E Funds	Activity	Restoration/Enhancement
05-158	Grande Ronde River Greenway	\$330,000	\$50,000	Access	Enhancement
07-007	Gnat Creek Oxygen Supplementation, Phase 2	\$64,360	\$55,260	Hatchery Maintenance	Enhancement
07-008	Morgan Creek STEP Hatchery Reconstruction	\$789,736	\$39,640	Education	Enhancement
07-045	South Fork Hatchery Upgrades	\$360,871	\$50,000	Hatchery Maintenance	Enhancement
07-048	Warrenton Hatchery Public Water Quality Logger	\$43,177	\$17,720	Education	Enhancement
07-050	Trask Hatchery Incubators	\$25,000	\$21,000	Propagation	Enhancement
07-056	Elk River Chinook Freshwater Harvest and Escapement	\$220,602	\$85,384	Research and Monitoring	Enhancement
07-072	Lower Columbia River Sturgeon Conservation Planning	\$85,474	\$39,908	Research and Monitoring	Restoration
07-091	Grande Ronde River Property Acquisition	\$40,000	\$15,000	Access	Enhancement
07-106	Coos River Fall Chinook Monitoring & Evaluation	\$41,600	\$13,493	Research and Monitoring	Restoration
07-125	Ceratomyxa Impacts on Upper Klamath River Salmon	\$176,860	\$88,148	Research and Monitoring	Restoration
07-132	Effects of Cured Eggs on Juvenile Salmon	\$25,300	\$9,653	Research and Monitoring	Enhancement
Sport		Total Project Cost	R&E Funds	Activity	Restoration/Enhancement
941061	Oak Springs Pond Liner and Pipeline Repair	\$273,208	\$71,786	Hatchery Maintenance	Restoration
05-072	Fall Fingerling Rainbow Trout Release at Howard Prairie Reservoir	\$28,000	\$16,120	Propagation	Restoration



05-082	Redband Trout Movement in the Crooked River Basin	\$70,748	\$22,422	Research and Monitoring	Enhancement
05-086	Cedar Creek Hatchery Abatement Pond and Pipeline	\$152,253	\$55,327	Hatchery Maintenance	Restoration
05-104	Bonneville Hatchery Visitor Center Restoration	\$35,100	\$30,000	Education	Enhancement
05-138	Alsea Hatchery Liberation Truck	\$125,000	\$125,000	Liberation	Restoration
05-139	Crooked River Redband Trout Study Equipment	\$18,550	\$10,250	Research and Monitoring	Restoration
05-149	Upper Bennett Fishway Monitoring	\$96,500	\$37,500	Research and Monitoring	Restoration
07-002	Lostine River Fish Passage Design and Engineering	\$18,000	\$15,000	Passage	Restoration
07-003	Cedar Creek Liberation Truck	\$143,828	\$84,977	Liberation	Enhancement
07-009	Nestucca Winter Steelhead Monitoring 07-09	\$249,260	\$40,000	Research and Monitoring	Restoration
07-010	Putnam's Point Fishing Platform Replacement	\$297,842	\$50,000	Access	Enhancement
07-013	Ladd Marsh Interpretive Facility Restroom	\$134,150	\$12,050	Access	Enhancement
07-014	Cottonwood Creek Fish Passage Restoration	\$166,654	\$18,217	Passage	Restoration
07-106	Malheur District Fish Population Assessment	\$26,410	\$26,410	Research and Monitoring	Restoration
07-017	Pole Creek Reservoir Sanitary Facility Enhancement	\$17,010	\$16,450	Miscellaneous	Enhancement
07-018	Boulder Creek and Middle Fork Restoration Project	\$619,029	\$133,760	Habitat	Enhancement
07-021	STAC Mini Grant Program	\$25,000	\$25,000	Miscellaneous	Enhancement
07-023	STEP Fish Food Program	\$1,021,000	\$85,000	Propagation	Enhancement
07-024	STEP Classroom Incubator Chiller Units	\$21,000	\$21,000	Education	Enhancement
07-027	Wallowa Lake Plankton and Lake Trout Sampling	\$66,392	\$7,080	Research and Monitoring	Restoration



07-029	ODFW & IPHC Cooperative Rockfish Survey	\$173,922	\$45,967	Research and Monitoring	Restoration
07-030	Johnson Creek Large Wood Placement	\$20,672	\$10,950	Habitat	Enhancement
07-031	Crooked River Redband Trout Research Project	\$144,790	\$48,690	Research and Monitoring	Restoration
07-032	2007-2008 North Coast Spring Chinook Assessment	\$138,771	\$82,273	Research and Monitoring	Restoration
07-034	Crane Prairie Broodstock Evaluation Program	\$26,251	\$22,851	Miscellaneous	Restoration
07-036	Umpqua Basin Restoration Materials Salvaging	\$32,500	\$30,000	Habitat	Enhancement
07-040	North Coast Log Salvage	\$67,539	\$6,950	Habitat	Enhancement
07-042	Watershed Workshops/Creeks and Kids	\$44,613	\$34,795	Education	Enhancement
07-043	Restoration Emergency Account	\$50,000	\$50,000	Miscellaneous	Restoration
07-044	Enhancement Emergency Account	\$25,000	\$25,000	Miscellaneous	Enhancement
07-047	Spring and Fall Rivers Gravel Addition	\$14,435	\$7,848	Habitat	Enhancement
07-049	Hubbard Creek Beaver Pond	\$24,348	\$10,000	Passage	Restoration
07-052	Indian Creek Hatchery Water Filtration System	\$10,625	\$6,125	Hatchery Maintenance	Enhancement
07-058	High Desert Reservoir Repairs	\$8,972	\$5,147	Access	Enhancement
07-059	Curry Coho Spawning Surveys	\$26,067	\$12,711	Research and Monitoring	Enhancement
07-060	Full Circle Schools Restoration Ecology	\$81,620	\$13,000	Education	Enhancement
07-061	Experimental Gill Nets for High Lakes Sampling	\$29,676	\$4,000	Research and Monitoring	Restoration
07-062	Siletz Fish Trap Surveillance Camera	\$9,969	\$7,469	Research and Monitoring	Enhancement
07-065	Oak Springs Hatchery Access Road	\$67,672	\$12,000	Miscellaneous	Restoration



07-066	Wizard Falls Hatchery Trout Liberation Truck	\$70,000	\$50,000	Liberation	Restoration
07-068	Whychus Creek Restoration Project	\$60,000	\$17,000	Habitat	Restoration
07-070	Siskeyville Boat Slide Replacement	\$66,500	\$25,000	Access	Enhancement
07-071	Easy Angling Oregon	\$36,592	\$12,500	Education	Enhancement
07-074	Prineville Fishing Pond	\$63,454	\$19,314	Access	Enhancement
07-076	Bowman Pond Handicapped Restroom	\$10,949	\$5,500	Miscellaneous	Enhancement
07-078	2008 Blitzen River Redband Study	\$67,852	\$9,700	Research and Monitoring	Restoration
07-079	Sea Lion Deterrent Project	\$65,450	\$19,750	Miscellaneous	Enhancement
07-081	Little Butte Mill Dam Fish Passage Project	\$104,500	\$31,841	Passage Maintenance	Restoration
07-082	Sandy River Broodstock Program Coordinator	\$88,572	\$21,600	Propagation	Enhancement
07-083	North Fork Nehalem Interpretive Sign	\$9,410	\$3,610	Access	Enhancement
07-085	Alsea Hatchery Spawning Building Restoration	\$13,960	\$13,960	Hatchery Maintenance	Restoration
07-086	Habitat Log Transportation and Storage Project	\$16,000	\$15,000	Habitat	Enhancement
07-087	Campbell Park Boat Ramp Stabilization	\$24,025	\$17,750	Access	Enhancement
07-090	Salmonberry Park ADA Fishing Platform	\$11,950	\$8,600	Access	Enhancement
07-092	Rock Creek Fish Passage Project	\$2,332,675	\$200,000	Passage	Restoration
07-093	Liberation Truck #103 Retrofit	\$20,160	\$20,000	Liberation	Restoration
07-094	4-H Center Pond Aerator	\$2,065	\$1,515	Miscellaneous	Enhancement
07-095	Willow Lake Handicapped Accessible Fishing Dock	\$42,118	\$6,940	Access	Enhancement



07-096	Monitoring Ocean Smolt Survival	\$251,245	\$61,785	Research and Monitoring	Restoration
07-097	McDermitt Creek Lahontan Cutthroat Restoration	\$239,202	\$14,555	Miscellaneous	Enhancement
07-098	Nehalem Hatchery Pole Barn Construction	\$19,327	\$14,100	Research and Monitoring	Restoration
07-099	Bird Netting Structure	\$113,222	\$51,111	Hatchery Maintenance	Restoration
07-104	Whiskey Creek Hatchery Early Rearing Equipment	\$15,910	\$9,720	Propagation	Enhancement
07-105	Holliday Park Pond Enhancement	\$52,100	\$37,000	Miscellaneous	Enhancement
07-108	Estacada Lake Disabled Angler Platform	\$59,600	\$32,800	Access	Enhancement
07-109	Warmwater Fishing in Oregon Brochures	\$15,750	\$7,875	Miscellaneous	Enhancement
07-110	Rogue Spring Chinook Survey	\$23,701	\$18,405	Research and Monitoring	Restoration
07-111	Lemolo Lake Fisheries Enhancement	\$42,500	\$15,000	Miscellaneous	Enhancement
07-113	Forth Boat Ramp	\$19,903	\$17,663	Access	Enhancement
07-115	Coquille River Steelhead Radio Telemetry Project	\$64,408	\$27,768	Research and Monitoring	Restoration
07-116	Rainbow Trout Genetics Study	\$24,660	\$17,810	Research and Monitoring	Restoration
07-118	Summer Lake Fish Stocking Truck	\$45,000	\$5,000	Habitat	Restoration
07-119	Salmon River Aquatic Restoration Project	\$75,675	\$49,630	Research and Monitoring	Restoration
07-120	Upper Klamath Lake Recreational Fishery Survey	\$138,556	\$76,174	Research and Monitoring	Restoration
07-121	Diamond Lake Monitoring	\$44,207	\$22,805	Research and Monitoring	Restoration
07-122	Clear Creek Acclimation Facility	\$54,662	\$29,170	Miscellaneous	Restoration
07-124	High Desert Winter Fish Trapping Equipment	\$18,000	\$6,000	Propagation	Enhancement



07-126	Little Butte Creek Meander Restoration Project	\$26,420	\$20,600	Miscellaneous	Enhancement
07-127	Port of Cascade Locks Fish Cleaning Station	\$16,691	\$11,691	Miscellaneous	Enhancement
07-129	Thief Valley Reservoir Road Improvement - Part 2	\$55,900	\$35,000	Access	Enhancement
07-130	Taylor Lake Pedestrian Trail Restoration	\$8,094	\$7,630	Access	Enhancement
<b>TOTAL</b>		<b>\$11,814,882</b>	<b>\$3,391,764</b>		





R&E Projects by County 1990-2009

County	Fish			Research &			Hatchery			Total
	Habitat	Passage	Propagation	Education	Monitoring	Access	Liberation	Maintenance	Miscellaneous	
Baker	2					4				6
Benton	4	2	3	2	4	5		3		23
Clackamas	4	1	9		5	3	2			24
Clatsop	3		26	1	11	2		2	1	46
Columbia	2	3			1	1				7
Coos	19	5	19	3	7	8			2	63
Crook	16				8	2				26
Curry	12	3	13	2	8	2		3	2	45
Deschutes	25		6	2	3	2	2		3	43
Douglas	27	4	17	2	7	3	1	1	4	66
Gillam	1	2								3
Grant	15	1	1			4				21
Harney	5	1	4	1	4	3			2	20
Hood River	1	1		1					1	4
Jackson	5	3	3		4	3	1	1	2	22
Jefferson	6		3			2	1			12
Josephine	3	1	1		1	3				9
Klamath	14	6	1		3	2		1		27
Lake	8	5	1		1	1				16
Lane	12	1	13	5	6	7			1	45
Lincoln	11		10	12	10	1		2	5	51
Linn	1		8			4		1	1	15
Malheur					2	1			1	4
Marion	4	1		3	2	2				12
Morrow	2		1							3
Multnomah	4	1	5	1	5	2			3	21
Polk	1								2	3
Tillamook	28	3	26	3	8	7	1	2	1	79
Umatilla	7	1	1		2	12			2	25
Union	4					6				10
Wallowa	8	2			3	2				15
Wasco	5		4		2	1		1	1	14
Washington						1				1
Wheeler	1					1				2
Yamhill					1					1
Statewide	3		4	4	3				8	22
<b>Total</b>	<b>263</b>	<b>47</b>	<b>179</b>	<b>42</b>	<b>111</b>	<b>97</b>	<b>8</b>	<b>17</b>	<b>42</b>	<b>806</b>



For more information, please contact:

**R&E Program Coordinator  
Oregon Department of Fish and Wildlife**

3406 Cherry Ave NE  
Salem, OR 97303  
503-947-6259