

Fish Restoration and Enhancement Program

2011–2013 Legislative Report



Prepared by the Oregon Department of Fish and Wildlife
February 2013



Oregon

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Greetings to the 77th Oregon Legislative Assembly,

I am delighted to share with you the 2011-13 Legislative Report for the Oregon Department of Fish and Wildlife's Fish Restoration and Enhancement Program (R&E Program). Since 1989, the R&E Program, under the guidance of the citizen-led R&E Board, has provided more than \$46 million to a wide variety of sport and commercial fishery projects designed to enhance or restore these fisheries throughout Oregon.

The Legislatively created Fish Restoration and Enhancement Act of 1989 allows the Oregon Department of Fish and Wildlife to restore state-owned fish hatcheries, enhance natural fish production, improve fish passage and protection facilities, and provide additional public access to fishing waters using dedicated angling license surcharge dollars, and commercial salmon fishery contributions.

The R&E Program is committed to making sport fishing in Oregon easy, accessible, and fun. In addition to hatchery improvement and habitat restoration projects, the R&E Program also supports fishing pier and boat ramp improvements, fishing education programs, angling surveys, high lake fishery restoration, and the use of science-based management to improve fishing opportunities.

On the ground for this biennium, these projects ranged from new public and disabled fishing access at St. Louis Ponds, near Salem, the purchase and equipping of six family fishing event trailers for use around the state, improvements to the Steamboat Creek fish ladder in the North Umpqua drainage, High Lakes chub removal in Central Oregon, purchase of a new Sandy Hatchery stocking truck and equipment, and the administration of a public opinion survey to collect information about coastal freshwater fishery preferences and the best locations for these fisheries. The results from the survey will be used to inform decisions being made in the development of the Coastal Multispecies Conservation and Management Plan.

Commercial salmon fisheries also benefit from the R&E Program through projects that improve the long-term sustainability of salmon and steelhead populations. One example of a commercially funded project is the "Chetco River Chinook Salmon Coded Wire Tag Study" which will determine the effectiveness of current release strategies based on return rates. Commercial funds also support a variety of projects that restore critical spawning and rearing habitat for salmon and steelhead.

The R&E Program strives to fund a balanced mix of projects that restore and enhance Oregon's fisheries statewide by working with fisheries professionals, government agencies, and angler groups. R&E Program funds are typically matched by dollars or in-kind contributions from project sponsors and their partners like the Association of Northwest Steelheaders, the North Coast Salmon and Steelhead Enhancement Fund, Oregon Wildlife, the Oregon Watershed Enhancement Board and many others.

In the last biennium, the R&E Program allocated nearly \$5.0 million to a variety of projects, matched by almost \$9.0 million in cash and in-kind contributions – a return of \$1.80 for every dollar spent by the program. This demonstrates how 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 throughout Oregon.

I would like to thank the fishing public—sport and commercial—for their support of our efforts to conserve and enhance Oregon fisheries. It is our duty to ensure that every R&E dollar is well spent and provides real benefits to Oregon fish and their habitats.

Also, I would like to extend many thanks to the R&E board members, who volunteer over 100 hours of their time each year holding meetings around the state and recommending high quality projects to the Fish and Wildlife Commission for approval. Their passion for maintaining and improving fishing opportunities in Oregon, and their determination to return R&E funding directly back to the angler, is critical to the success of this program.

Tight Lines,

Roy Elicker,
Director

Oregon's Fish Restoration and Enhancement Program

2011-2013 Biennium Report



Executive Summary

About the Restoration & Enhancement Program

On June 29th, 1989, the Oregon Fisheries Restoration and Enhancement Act was signed into law. Since then the Restoration and Enhancement (R&E) Program, under the guidance of the citizen-led R&E Board, has provided over \$46 million to a wide variety of sport and commercial fishery projects throughout Oregon. A seven-member volunteer board, appointed by the Oregon Fish and Wildlife Commission (Commission), review project proposals submitted by non-profit organizations or public groups including the Oregon Department of Fish and Wildlife (ODFW). Final funding approval for projects is determined by the Commission.

Funding, Revenue and Expenditures

Dedicated funding for the program includes a surcharge (\$1-\$10) on all Oregon angling licenses and commercial gillnet and troll permit fees (\$74 and \$64, respectively). A fee of \$0.05 per pound on all commercial salmon and steelhead landings also helps generate funding for the R&E Program.

Projected revenue for the 2011-2013 biennium (through June 2013) includes \$216,427 from commercial salmon landing fees, \$171,838 from commercial salmon troll and gillnet permits, and \$4,156,118 from angling license surcharges. Total projected revenue for the biennium is \$4,544,383. The Program's limitation for the 2011-2013 biennium is approximately \$5.8 million, making it possible to add remaining funds from the 2009-2011 biennium to the 2011-2013 program budget.

As of January 23rd, 2013, Program obligations for the 2011-2013 biennium include \$528,571 for administrative activities and over \$4.6 million for 118 projects from around the state of Oregon. These R&E funds have been matched by \$9.0 million in contributions from project partners.

Project Accomplishments

The R&E Program is a direct way for anglers to benefit from buying a fishing license as some of that money goes back to the fisheries in which they participate. The R&E Program benefits both freshwater and marine species that provide valuable sport fishing opportunities. R&E funding provides additional direct angler benefits by supporting Salmon and Trout Enhancement Program (STEP) projects and projects that focus on angler education and new angler recruitment and retention. This biennium many critical ODFW hatchery maintenance projects could not have been completed without R&E support. The R&E Program also contributed to the present and future health of Oregon's recreational and commercial fisheries by providing the required matching funds for many habitat restoration projects primarily funded by the Oregon Watershed Enhancement Board. These projects were supported by R&E because they provide quality rearing and spawning habitat for native fish populations on which Oregon's sport and commercial fisheries depend.

Of the 115 projects approved as of December 2012, 24 were related to hatchery maintenance or propagation efforts, 20 were fishing access projects, another 20 were monitoring or research projects, 14 were habitat restoration projects, 14 more helped improve or restore fish passage, 12 were education projects, 2 contributed to fish liberation activities, and 12 were classified as miscellaneous restoration or enhancement projects.

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 benefit from the anglers participating in fisheries that benefit from R&E Program activities.

To obtain a hardcopy of the full report contact R&E Program Coordinator Josie Thompson at (503) 947-6259 or Josie.E.Thompson@state.or.us. An electronic copy of the report is available at <http://www.dfw.state.or.us/fish/RE/>



Introduction

On June 29th, 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). The act allowed the Oregon Department of Fish and Wildlife to manage a comprehensive program and allocate dedicated funds to projects that:

- Rehabilitate or restore fish production facilities (including fish liberation equipment);
- Rehabilitate or restore fish passage or protection facilities;
- Collect information on physical and biological characteristics of streams, lakes or estuaries; or information on recreational or commercial use of fisheries;
- Increase recreational or commercial opportunities or access to fish resources;
- Increase fish production; or
- Improve fish management.

The program was reauthorized by the Legislature in 2009, extending its benefits to Oregon citizens and state fish resources through December 2019. This report to the Oregon Legislature provides an opportunity to review program accomplishments for the 2011-13 biennium.

How the Program Works

Revenue for the program is generated by a surcharge on sport fishing licenses (\$1- \$4 for residents, \$2-\$10 for non-residents) along with revenues from commercial gill-netting and troll fishing permits fees (\$74 and \$65, respectively). A fee of \$0.05 per pound on all commercial salmon and steelhead landings is also dedicated to the program.

Program funds are allocated in the same proportion as the revenues received from commercial and recreational sources generated within the biennium. Current estimates for the 2011-2013 biennium show that recreational surcharge fees account for 91.5% of the program's revenue while the commercial fees have generated 8.5%.

With these funds the R&E program continues to fund many types of privately sponsored projects and support ongoing ODFW programs that are integral to fisheries management. Any public or private non-profit organization may request funding for projects which relate to the goals of the R&E Program. Typical applicants include: water-

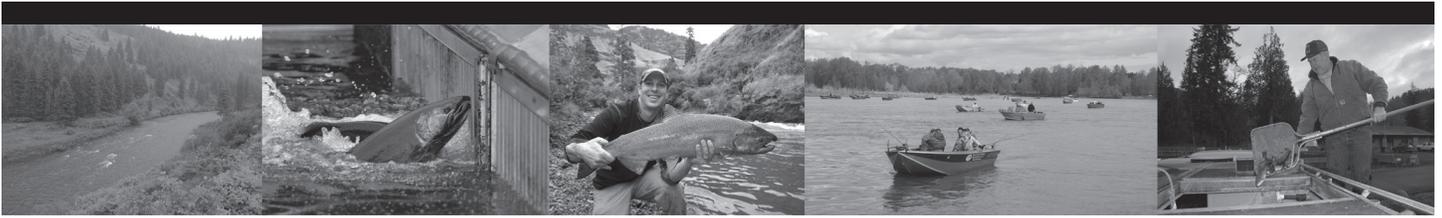
shed councils, the ODFW and other government agencies, fishing organizations, county governments and municipalities, soil and water conservation districts, and educational institutions. Classifications of eligible proposals include: fish habitat restoration, hatchery maintenance, fish propagation improvements, new and improved angler access, research and monitoring efforts, angler education, and fish passage restoration. Anyone wishing to receive a grant must complete an application describing the project and its benefits to recreational and/or commercial fisheries, project location, project partners, a tentative work schedule, and a detailed budget.

After passing through the initial application acceptance process, project proposals are reviewed by the ODFW Internal Review Team, a 10-member panel consisting of experts and regional representatives. The Review Team provides scores and comments to the R&E Board regarding each proposal's technical merit and its applicability to the agency's policies and goals. Proposals are then presented to and reviewed by the Board. Project proposal funding recommendations from the Board are then presented to the Oregon Fish and Wildlife Commission (Commission) for final funding approval.

How the Program Benefits Anglers, Commercial Fishers and Oregon

The R&E Program is a direct way for anglers to benefit from the fisheries they participate in as angler license fees predominantly support the program. The R&E Program supports many research and monitoring projects which inform management decisions and are indirectly related to maintaining and increasing fishing opportunities. Some of these studies also inform the development and implementation of recovery plans for fish listed as threatened or endangered under the Endangered Species Act (ESA). Other examples of projects with direct angler benefits funded by R&E include: new and improved fishing docks, piers and boat launches, angler education and family fishing events, high lakes fishery restoration and angler recruitment and retention programs. Many habitat and passage restoration projects are also funded by angler license dollars.

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 provided the Black Rockfish PIT Tagging Project (part of the ODFW's Marine Resources Program) with funds to purchase more PIT tags



and new detection wands. The data collected in this ongoing project allows fisheries scientists to better estimate and track black rockfish populations along the central coast of Oregon, where the popularity of this fishery has greatly increased over the last two decades.

R&E funding provides additional direct angler benefits by supporting hatchery maintenance projects for the Salmon and Trout Enhancement Program (STEP). The ODFW Salmon and Trout Advisory Committee (STAC) “mini-grant” program, which supports many small projects undertaken by STEP groups and educators, is also funded by R&E.

Commercial salmon fishing revenue is often allocated to hatchery maintenance and habitat restoration projects. Many important ODFW hatchery maintenance projects that ensure continued operations would not be completed without R&E commercial funding support. Some examples from the 2011-2013 biennium include pipeline replacements, water system valve replacements, pump motor replacements, and the replacement of worn-down fish holding pens which are important for hatchery broodstock collection efforts.

R&E projects create economic stimulus in rural and urban communities throughout Oregon. Many local businesses not only supply materials to local projects funded by R&E, but also receive economic income from the anglers participating in fisheries that benefit from R&E projects.

Restoration Projects Summary

Oregon Administrative Rule (635-009-0210) requires R&E Board members to recommend “a mix of projects which provide a balance between restoration and enhancement benefits” to the Oregon Fish and Wildlife Commission for approval.

Restoration projects, as described in Oregon Revised Statute (496.289 (7)(b)) and Oregon Administrative Rule 635-009-0205, may include but are not limited to:

- Modification of existing fishways and existing screens;
- Hatchery restoration;
- Liberation equipment;
- Projects that rehabilitate or restore fish production facilities (including fish liberation equipment);
- Projects that rehabilitate or restore fish passage or protection facilities;

- Projects that collect information on physical and biological characteristics of streams, lakes or estuaries; or information on recreational or commercial use of fisheries.

Examples of restoration projects funded in the 2011-13 biennium include:

11-007 Coastal Wild Coho Fishery Creel Surveys (Recreational Fishery Use)

Funding for this project was used to conduct creel surveys on wild coho salmon fisheries along the Oregon coast in 2011 and 2012. The data collection efforts made it possible to open these fisheries in certain basins that met the biological requirements, after receiving approval from the Oregon Fish and Wildlife Commission and the NOAA Fisheries.

11-104 Cedar Creek Hatchery Pipeline Replacement (Hatchery Maintenance)

This project involved the replacement of a leaky, aging pipeline that supplies water to the incubation and early-rearing buildings and five rearing ponds at Cedar Creek Hatchery. The hatchery’s entire annual production depends on this pipeline for two to three months each year.

11-127 East Fork Millicoma Oxbow Reconnection (Passage Restoration)

Reconnection of the East Fork Millicoma River Oxbow will restore access to over 16 miles of anadromous habitat that was historically important for fall Chinook, coho, chum salmon and steelhead and cutthroat trout.

11-133 Sandy Hatchery Replacement Liberation Truck (Liberation Equipment)

Funding for this project went towards replacing a critically important liberation truck used to move over one million fish per year and to stock trout throughout the North Willamette Watershed District. The new unit will be used to haul a greater number of salmon and steelhead smolts to the select areas in the Columbia River Estuary in 2013, not to mention the many smolts it will transport to the Sandy and Clackamas Rivers.



Enhancement Projects Summary

Enhancement projects, as described in Oregon Revised Statute (496.289 (7)(a)) and Oregon Administrative Rule 635-009-0205, may include but are not limited to:

- Angler access;
- New fishways and screens;
- Habitat;
- New hatchery equipment and technology;
- Public education;
- Aquatic inventories;
- Projects that increase recreational or commercial opportunities or access to fish resources;
- Projects that increase fish production; or
- Projects that improve fish management.

Examples of enhancement projects funded in the 2011-13 biennium include:

11-001 Aldrich Pond Fishing Enhancement Project (Increase Recreational Fishing Opportunities and Fish Production)

Funds for this project were used to rehabilitate two trout lakes owned by ODFW on the Phillip Schneider Wildlife Area near Dayville, Oregon and restore them to healthy and productive water bodies for fish. The lakes were trophy trout fisheries for many years, but then became deoxygenated by excessive silt and weed accumulation and the loss of the original cool water sources.

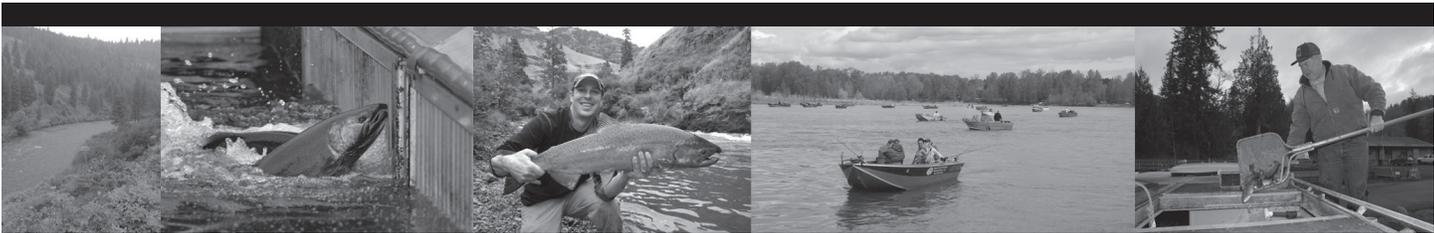
11-062 Coos Master Watershed Stewards Program for Youth (Education & Habitat Restoration)

In partnership with the Coos Watershed Association and Oregon Sea Grant's Watershed Education (WE) program, R&E funding helped support this outdoor, service-learning program for economically-disadvantaged youth, emphasizing on-the-ground watershed stewardship action including habitat restoration for salmon.

11-135 Spatial Data Development for Fishing Regulations Map (Access & Education)

Oregon's angling regulations can be complicated and difficult to interpret. Funds for this project were used to complete the first step in developing an ODFW fishing map application, a tool to help current and future anglers access real-time regulations for every water body in Oregon.





This future application will be user-friendly and available online.

The Restoration and Enhancement 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. Each member can serve no more than two, four-year terms. The membership represents the public-at-large, commercial fishing, and sport fishing

interests. Board members meet four times a year to review grant applications and conduct other program business. Specifically, the R&E Board members do 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 make funding recommendations on projects submitted for funding by various organizations;
- Seek public input concerning projects.

Current R&E Board Members



Bob Bumstead

Eugene resident Bob Bumstead represents Recreational Fisheries. A retired schoolteacher and university professor, he has been a partner with the McKenzie Watershed Council for the past 15 years. He is a member of the Eugene Salmon Watch Steering Committee and the ODFW Inland Sport

Advisory Council, as well as volunteering regularly on many ODFW fisheries projects. In addition, he is the scholarship chair of the Asian American Foundation of Oregon. His first term expires December 31, 2013.



Jack Glass

A full-time, second-generation fishing guide since 1985, Jack Glass, of Troutdale, is a Recreational Fisheries representative. He has been a member of numerous ODFW working groups involved with managing and enhancing Oregon's fisheries and has traveled to Washington, D.C. to represent Columbia River fishing issues. He belongs to five fishing organizations and is a member of the Oregon State Marine Board Guide Advisory Committee. His second term expires August 31, 2015.



Lonnie Johnson

Lonnie Johnson, of Grants Pass, is a retired printer who represents Recreational Fisheries. He is president of the Oregon Black Bass Action Committee and Conservation Director for Oregon BASS Nation. His other fisheries-related activities include being a past member of the ODFW

Angler Regulation Review Board and the ODFW External Budget Advisory Group, a current member of the Warm Water Working Group and the Inland Sport Fishing Action Committee, as well as a volunteer for ODFW electro-fishing studies.

He is also involved with youth projects for his local Kiwanis Club. His second term expires October 31, 2014.



John Alto

John Alto is third-generation salmon troller who represents Commercial Troll Fisheries. He lives in Sherwood. A troller since 1987,

he owned and operated the commercial dory F/V Fishtale for 12 years and currently owns and operates the wood salmon/albacore troller F/V Tyee. He has gillnet fished in Alaska and on the Columbia River, and has served on the Commercial Salmon Troll Permit Board for 12 years. His first term expires August 31, 2015.



Gary Soderstrom

Clatskanie resident Gary Soderstrom represents Gillnet Fisheries. He is a fourth generation Columbia River gillnet fisherman and was president

of the Columbia River Fishermen's Protective Union for 10 years. Soderstrom has made numerous trips to Washington D.C. to lobby for reform of the Magnuson Act and is an active member of the Lower Columbia River Watershed Council. His second term expires October 31, 2014.



Dixie Boley

Dixie Boley is a retired second grade teacher who lives in Gold Beach and is a Fish Processing Industry representative.

She and her husband fished commercially, and owned and operated the F/V Frances from 1975 to 2008. She opened Fishermen Direct Seafood, a retail-processing-wholesale fish market in Gold Beach in 1998. She is a lifetime member of the Curry Fishermen's Association, a member of the Nearshore Commercial Rockfish Advisory Committee and a member of the Slow Foods movement. Her second term expires August 31, 2015.



Greg Silbernagel

Public-at-Large representative Greg Silbernagel is a resident of Pendleton and Executive Director of the Umatilla Basin Watershed Council. He is

a member of the Oregon Watershed Enhancement Board Small Grant Review Committee and works regularly with Umatilla County Commissioners on local restoration projects. In addition, he is a member of the leadership Pendleton Steering Committee and the City of Pendleton River Quarter Committee. He studied Tourism and Outdoor Leadership at Oregon State University Cascade Campus and has worked with outfitters in Alaska. His first term expires December 31, 2016.

R&E Funding Sources

Sport Revenue Sources	
Resident Sports Pac License Surcharge	\$4
Resident Juvenile Sports Pac Licence Surcharge	\$1
Resident Combo Angling License Surcharge	\$4
Resident Angling License Surcharge	\$4
Resident Juvenile Angling License Surcharge	\$2
Non-Resident Angling License Surcharge	\$10
Non-Resident Juvenile Angling License Surcharge	\$2
Daily Angling License Surcharge	\$2
7-Day Angling License Surcharge	\$5
Commercial Revenue Sources	
Trolling Permit Fee	\$65
Gillnetting Permit Fee	\$74
Salmon and Steelhead Landing Poundage Fee	\$0.05 / lb.

R&E 2011-2013 Biennium Projected Revenue

Commercial landing fee*	\$216,427
Commercial permits*	\$171,838
Recreational license surcharges*	\$4,156,118
REVENUES TOTAL*	\$4,544,383

*Revenue projected through June 2013. Revenue may vary depending upon actual number of recreational fishing licenses and commercial permits sold and commercial landings total.

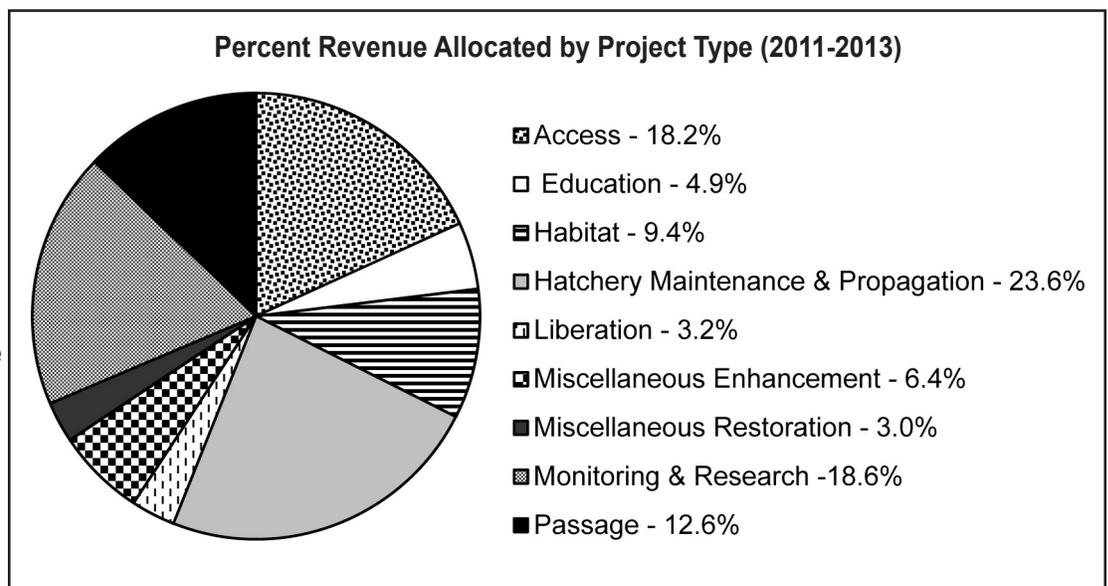
2011-2013 Program Expenditures

R&E Program revenues are used to fund approved project grants and administrative expenses, including one full-time R&E Program Coordinator position, a full-time R&E Program Administrative Assistant, and partial funding for the Statewide STEP (Salmon and Trout Enhancement Program) Coordinator position.

In addition to approximately \$800,000 in carry-over funds (returned funds from the 2009-2011 biennium) the projected revenue for the current biennium is approximately \$4.5 million. Added together, the projected amount of available funding for the current biennium is approximately

\$5.3 million, as this total is less than the approved limitation of \$5.8 million. Of the approximately \$5.3 million of funding available, \$528,571 and \$4,812,812 has been earmarked for administrative activities and project grants, respectively. Program expenditures through January 21st total \$317,137 for administrative activities and \$2,391,467 for project grants. The remaining R&E Program obligations within the 2009-2011 biennium total \$2,447,131.

The R&E administrative rules and statutes establish funding eligibility for projects that provide fisheries restoration or enhancement benefits, and that the R&E Board recommend "a mix of projects which provide a balance between restoration and enhancement benefits" to the Oregon Fish and Wildlife Commission for approval. In this biennium, approximately \$2.2 million will be allocated to restoration projects and \$2.6 million will be allocated to enhancement projects. The Commission approved 115 projects from July 2011 through December 2012, and 3 were carried over from the 2009-2011 biennium. Of the 115 projects approved thus far, 24 were related to hatchery maintenance or propagation efforts, 20 were fishing access projects, another 20 were monitoring or research projects, 14 were habitat restoration projects, 14 helped improve or restore fish passage, 12 were education projects, 2 contributed to fish liberation activities, and 12 were classified as miscellaneous restoration or enhancement projects. Of these categories, the greatest proportion of R&E funding was allocated to hatchery maintenance and propagation projects (23.6%), followed by monitoring and research projects (18.6%), access projects (18.2%), passage projects (12.6%) and habitat restoration projects (9.4%).



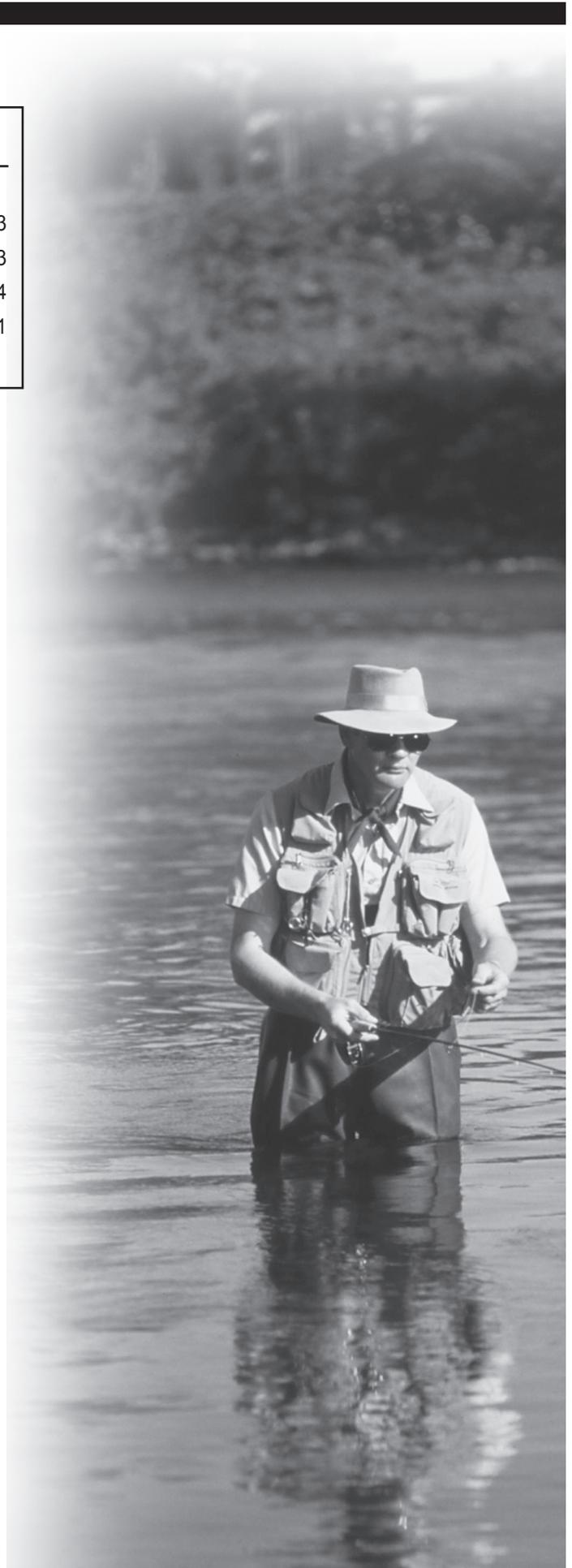
R&E 2011-2013 Biennium Budget Summary

	<u>Program Administration</u>	<u>Project Grants</u>	<u>Total</u>
Beginning Balance	n/a	n/a	\$797,000
Totall Projected Revenue	n/a	n/a	\$4,544,283
Total Funds	\$528,571	\$4,812,812	\$5,341,383
Current Expenditures	\$317,137	\$2,391,467	\$2,708,604
Remaining Obligations	\$211,434	\$2,235,697	\$2,447,131
Total Remaining Funds	\$0	\$185,648	\$185,648

Partnerships and the R&E Program

Developing and maintaining partnerships is a major focus of the R&E program. Through matching funds from organizations such as the Association of Northwest Steelheaders, Oregon Wildlife, and watershed councils, many proposals that provide positive benefits to Oregon anglers become a reality. Creative R&E partnerships allow ODFW to implement projects that otherwise would not be done due to lack of funding or staffing. R&E partnerships provide the public with 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. Through collaborating on small local projects with angling organizations and other non-profit groups, 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. R&E project cooperators provided \$8,973,421 in matching funds and in-kind contributions for 2011-2013 approved projects. This means that for every R&E dollar spent, nearly \$2 in time, donated materials and money will be contributed toward the completion of approved projects.

On the following page, is a listing of program partners which have contributed funds or volunteer time to R&E projects in 2011-2013:



R&E Program Grantees and Project Partners 2011-2013

Organization / Agency / Individual	Project Sponsor	Cash Match Contributor	In-Kind Match Contributor
American Rivers		x	
Association of Northwest Steelheaders and the Albany, Middle Rogue and Tillamook Chapters		x	x
Baker County			x
Baker Valley Soil and Water Conservation District	x		x
Bay Area Sportsmen's Association		x	
Big Lava Lake Resort		x	x
Bonneville Power Administration			x
Bureau of Land Management		x	x
Caudell's Landscape		x	
Central Oregon Flyfishers		x	x
City of Brookings			x
City of Independence	x	x	
City of John Day		x	x
City of Rockaway Beach			x
City of Seaside		x	x
City of Vernonia		x	x
Clatsop County Fisheries	x	x	x
Coastal Conservation Association	x		x
Confederated Tribes of Warm Springs Oregon		x	x
Coos Basin Salmon Derby		x	
Coos Watershed Association	x		x
Coquille Watershed Association	x		x
Curry Anadromous Fishermen		x	
Curry County			x
Curry Soil and Water Conservation District	x		
Doryman's Association		x	
Ducks Unlimited		x	
East Lake Resort		x	x
Ecotrust		x	
Fish America Foundation		x	
Fremont-Winema National Forest	x		
Geos Institute	x		
Greenbelt Land Trust	x		
International Port of Coos Bay			x
Izaak Walton League		x	
Jefferson County	x		

Organization / Agency / Individual	Project Sponsor	Cash Match Contributor	In-Kind Match Contributor
John Day - Canyon City Parks and Recreation Department	x		x
Josephine County Public Works Department			x
Klamath Basin Rangeland Trust	x		
Klamath County Flycasters		x	
Klamath County Guides Association			x
L. Parks		x	
Landowner - Andy and Maryrae Thomson			x
Landowner - Drews Valley Ranch			x
Landowner - Eric Schwartz			x
Landowner - Evelyn Hardin			x
Landowner - Harry Davis		x	
Landowner - Heide and Dale Sause		x	
Landowner - Jim and Maria Bradshaw			x
Landowner - Juniper Ranch			x
Landowner - Kurt Koehler		x	
Lincoln County Public Works			x
Lincoln Soil & Water Conservation District	x		
Long Tom Watershed Council			x
Long Tom Watershed Council	x		
Lower Nehalem Watershed Council			x
Lower Nehalem Watershed Council	x		
Lower Rogue Watershed Council			x
Lower Rogue Watershed Council/Curry SWCD	x		
Marion County			x
Marshfield High School			x
Mary's River Watershed Council	x		
McKenzie River Guides Association			x
McPheeter's Turf, Inc.			x
Medford Water Commission			x
Menasha Campbell		x	x
Mid-Coast Watershed Council	x		
Mid-Willamette Valley Angling Club		x	
Monument Soil & Water Conservation District	x		x
National Fish and Wildlife Foundation		x	
Necanicum Watershed Council	x		x
Nehalem Marine			x
Nestucca Anglers	x		x
Nestucca Valley Sporting Goods		x	

Organization / Agency / Individual	Project Sponsor	Cash Match Contributor	In-Kind Match Contributor
North Coast Salmon and Steelhead Enhancement Fund		x	
Ocean Coalition for Educating Anglers (OCEAN)		x	
Oregon Bass & Panfish Club			x
Oregon Coalition for Educating Anglers	x		
Oregon Community Foundation		x	
Oregon Conservation Reserve Enhancement Program		x	x
Oregon Department of Environmental Quality			x
Oregon Department of Agriculture		x	
Oregon Department of Fish and Wildlife	x	x	x
Oregon Department of Forestry			x
Oregon Department of Land Conservation and Development		x	
Oregon Hatchery Research Center		x	
Oregon Institute of Marine Biology		x	
Oregon Parks and Recreation Department		x	x
Oregon Sea Grant			x
Oregon South Coast Fishermen	x		x
Oregon State Marine Board		x	
Oregon State Police, Fish and Wildlife Division	x		
Oregon State University - Cascades			x
Oregon Stewardship			x
Oregon Watershed Enhancement Board		x	x
Oregon Wildlife		x	x
Pacific Salmon Commission		x	
Partnership for the Umpqua Rivers	x		
Paulina Lake Resort		x	x
Port of Port Orford	x	x	x
Portland State University			x
Rockaway Beach Lions Club	x	x	
Rogue Flyfishers		x	x
Roseburg Resources, Co.			x
Salmon and Trout Enhancement Program			x
Seaside School District		x	x
Siuslaw Watershed Council	x	x	x
South Coast Watershed Council			x
South Santiam Watershed Council	x		
Southern Oregon Flyfishers		x	x

Organization / Agency / Individual	Project Sponsor	Cash Match Contributor	In-Kind Match Contributor
State of Oregon		x	
Steamboaters (North Umpqua)		x	
Stream Restoration Alliance	x		x
Sunriver Anglers		x	x
Sunset Empire Parks and Recreation District		x	
The Aspinwalls		x	
The Campbell Group		x	
The Nature Conservancy		x	
The North Umpqua Foundation		x	
The Wetlands Conservancy		x	
Tillamook Anglers Corp		x	x
Tillamook Bay Watershed Council	x	x	x
Tillamook County			x
Trout Unlimited		x	
U.S. Department of Agriculture - Natural Resources Conservation Service		x	
U.S. Fish and Wildlife Service		x	
U.S. Forest Service		x	x
U.S. Geological Survey			x
United Community Action Network			x
Umpqua Derby		x	
Upper Rogue Watershed Association	x		x
Vernonia Lions Club	x	x	x
Vittle Vendors		x	
Western Oregon University	x		x
Weyerhaeuser		x	x



2011-2013 R&E Project Highlights

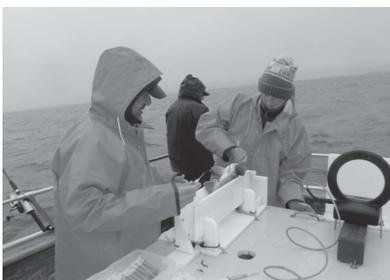


Project 11-094 STEP/AAE Family Fishing Event Trailers

Angler education, especially aimed at youth, is a major focus of ODFW's public outreach efforts. More

than 40 family and youth oriented fishing events are sponsored annually by ODFW, regularly attracting more than 15,000 participants. To help increase capacity and effectiveness for these events, the R&E Program provided a \$73,700 grant to purchase six Aquatic and Angling Education Trailers for various Salmon Trout Enhancement Program and Aquatic and Angling Education program events. The trailers are outfitted with fishing gear, educational aids, tables, chairs, displays and other materials needed for aquatic and angling educational events and activities. The trailers and the equipment stored in them make it easier and more efficient for STEP biologists and AAE staff to set up and run events.

The trailers are stationed at Springfield, Gold Beach, Charleston, Newport, Burns/Lakeview and Pendleton/John Day. In 2010, the R&E Program provided \$28,000 towards the purchase of 7 trailers. With the addition of the six new trailers, nearly every ODFW district and all watershed regions have ready access to one.



Project 11-052 Black Rockfish PIT Tagging

The R&E Program is helping to fund a black rockfish population study along the central Oregon coast, providing a \$9,880 grant that

was used to purchase 1,700 Passive Integrated Transponder (PIT) tags and 5 new PIT tag readers with updated technology.

High black rockfish harvest levels between the 1960s and 1990s substantially reduced Oregon's black rockfish population, which reproduce very slowly. In order to better manage harvest and conserve black rockfish populations, fisheries managers need to know more about rockfish population dynamics and by-catch mortality.

This study, conducted by ODFW, began in 2002 with a goal of accurately determining the black rockfish population in the nearshore waters off the central Oregon coast. The project involves capturing, tagging and releasing

about 3,000 black rockfish each year, then counting how many of those fish are caught by sport and commercial fishers. The number of tags retrieved and the estimate of total harvest permits researchers to estimate the central coast black rockfish population size, which is currently estimated to be between 1.5 to 2 million fish.

Research data from this study allows fishery managers to prevent the depletion of the black rockfish population while continuing to provide, and even increase, fishing opportunities. For example, population data from this study showed that the black rockfish population was large enough to increase the 2010 daily bag limit from six to seven fish.



Project 11-074 Northeast Oregon Spring Chinook Creel Surveys

Creel surveys are a critical part of fisheries management and are regularly supported by the R&E Program. One recent creel survey that received \$23,976 in R&E funding was the Northeast Oregon Spring

Chinook Creel Surveys, which tracked the 2012 hatchery spring Chinook salmon harvest in the Willowa River, Imnaha River, Lookingglass Creek and Catherine Creek. R&E funds were used to hire three of five creel surveyors who interviewed anglers to determine how many fish they caught, whether they were wild or hatchery fish, and other data.

Because the wild spring Chinook in these streams are protected under the Endangered Species Act, along with wild steelhead and bull trout, the ODFW must provide NOAA Fisheries with a monitoring plan before these fisheries can be opened for harvest each year. Data collected includes the incidental catch and mortality of all listed species affected by the fishery. This information allows fisheries managers to gauge the impact angling has on listed species and allows a continued harvest fishery of hatchery spring Chinook on these streams, which is popular with anglers and important to the local economy.

For the 2012 spring Chinook season in those four streams, anglers harvested a total of 721 hatchery spring Chinook and caught and released 198 wild fish.



Project 11-091 Wizard Falls Circular Starting Ponds

Wizard Falls Hatchery along the Metolius River in central Oregon not only produces about two million rainbow

trout, brook trout, Atlantic salmon and spring Chinook salmon each year but is also one of ODFW's most popular

hatcheries with the general public, receiving about 70,000 visitors annually. But the 20 65-year-old concrete circular starting ponds, where most of the hatchery's fish are initially raised, were crumbling. Leakage between ponds allowed fry to escape and water to mingle, increasing the potential for spreading disease to different fish stocks. In addition, the ponds were becoming an eyesore to the visiting public.

With no cost effective way to repair the ponds, the R&E program provided a \$96,910 grant to replace them with eight state-of-the-art concrete raceways. Now the ponds are functional again and escapement and potential disease is under control, allowing trout and salmon that are stocked for recreational fishing or reintroduction programs in eight Oregon watersheds to be raised in a more secure and healthy environment. In addition, the new ponds present a more aesthetically pleasing experience for hatchery visitors.



**Project 11-109
High Lakes Chub
Removal and
Biological Study**

Paulina, East and Big Lava lakes in the mountains of central Oregon have long

been popular recreational fisheries, where anglers can catch rainbow trout, brown trout, kokanee and Atlantic salmon. But the lakes have populations of non-native Tui and blue chub that probably escaped from live fish used as bait dating back to the 1920s.

By 2009 chub populations in the lakes had grown to epidemic levels and were competing with trout and salmon for food. The impact on the recreational fisheries was significant as trout and salmon numbers declined and the remaining fish were smaller and less healthy. In addition, the chub caused a shift in zooplankton composition in East and Paulina lakes that made them more susceptible to increased toxic blue-green algae blooms.

In 2010 and 2011, ODFW, along with resort owners and local fishing groups, trapped and removed more than 36,000 pounds of chubs from East and Paulina lakes. The R&E Program provided \$7,050 towards that effort.

In 2012, the R&E program awarded a \$9,000 grant to continue chub control on East, Paulina and Big Lava lakes. The funds were used to hire two biological interns from the Oregon State University Cascades Campus who helped trap chubs and collect biological data on the efficacy of the removal program. Preliminary monitoring is showing an increase in size and abundance of trout and anglers are reporting increased catches.



**Project 11-067
Steamboat Fish
Ladder Passage
Improvement**

A tributary of the North Umpqua River, Steamboat Creek provides vital resting pools and spawning habitat

for wild summer steelhead. The North Umpqua is world famous for its summer steelhead angling and the upper reach includes a "fly-fishing only" section that attracts anglers from around the world.

In the 1950s, a three-story, 20-step fish ladder was built at Steamboat Falls to improve upstream passage for the steelhead runs as well as lamprey and spring Chinook salmon. However, the old design allowed the ladder to become regularly clogged with debris, especially during high water flows, which blocked fish passage. In addition, high spring and early summer water levels prevented ODFW staff from entering the ladder to clear the blockages until late June or July.

A \$100,000 grant from the R&E Program helped fund repairs and upgrades to the fish ladder that reduces the amount of debris that collects in it and makes it easier and safer for ODFW staff to access and maintain.

**Project 11-088
Myrtle Point Wetland Enhancement**

Located off the South Fork Coquille River, Myrtle Point Wetlands is a typical coastal floodplain that provides important habitat for a variety of fish and wildlife species, especially wintering habitat for wild Oregon coastal coho salmon. However, development over the preceding decades has taken its toll including water withdrawals for agricultural uses, livestock grazing that damaged riparian habitat and introduced fecal coliform bacteria into the river, and numerous culverts that prevented juvenile salmon from reaching rearing and refuge habitat.

The Coquille Watershed Association, with a \$50,641 grant from the R&E Program, is embarking on a major effort to restore habitat on the privately owned 280-acre wetland. Work will include planting native trees and shrubs, removing invasive plants, replacing culverts to improve fish passage and fencing riparian areas to keep out livestock.

The Coquille River Subasin Plan determined that the Coquille coho salmon population could be recovered by restoring winter habitat, making this project especially critical for boosting Oregon coastal coho numbers.



Projects 11-023 & 11-102 Sauvie Island ADA Fishing Pier Repair & St. Louis Ponds ADA Fishing Piers

Improving angling access is one of the R&E Program's funding

priorities. Two recent projects funded by the R&E Program have improved angling access at popular fishing sites located near large population centers; the Sauvie Island ADA Fishing Pier Repair project and the St. Louis Ponds ADA Fishing Piers project

A \$143,975 grant went to repair two disabled accessible fishing piers on the Gilbert River in the Sauvie Island Wildlife Area, the Gilbert River Fishing Pier and Big Eddy

Fishing Pier. Located near Portland, both piers are popular with warmwater anglers. Work included repairing the pier's foundations and stabilizing areas where the bank was eroding.

At the St Louis Ponds public fishing site, located near Gervais in the Willamette Valley, a \$122,000 R&E grant helped pay to construct and install three fishing docks to provide access for disabled anglers at three ponds. This is a very popular angling location where ODFW holds various youth angling events.

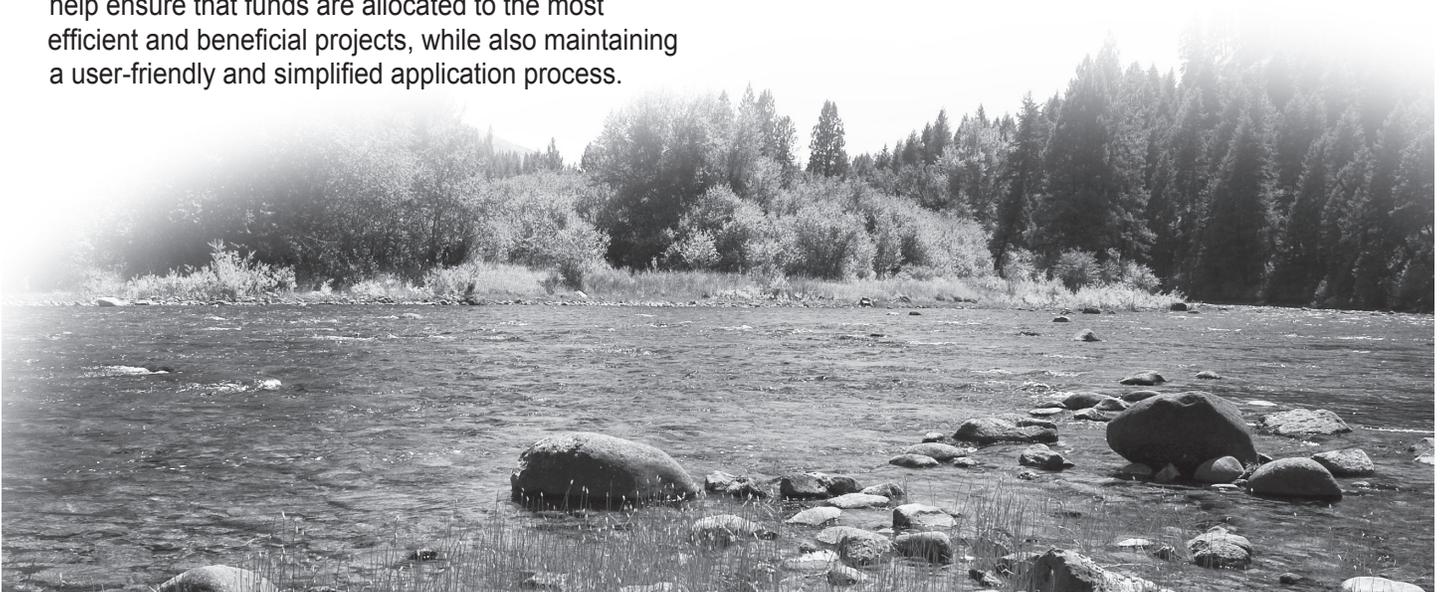
Previously, the R&E Program provided \$69,600 in funding to build a 2,300-foot-long disabled accessible asphalt walkway at St Louis Ponds.

Future Goals for the R&E Board and Staff

The R&E Board and ODFW will continue to pursue the following strategies:

- Recommend funding for projects that provide and ensure high-quality fishing opportunities around the state of Oregon for present and future generations.
- Encourage participation in the program by state watershed councils and other coordinated resource planning groups.
- Support projects which seek to recruit and retain new anglers to the sport of fishing, and promote the diverse array of fishing opportunities in Oregon.
- Foster partnerships between fishing organizations, outdoor sporting retailers, ODFW, and local communities for the benefit of the state's fisheries resources.
- Make improvements to the R&E funding process which help ensure that funds are allocated to the most efficient and beneficial projects, while also maintaining a user-friendly and simplified application process.

As Oregon's population grows, it will continue to exert an ever-increasing strain on our public lands and resources. The R&E Program can help offset these effects by providing and promoting great fishing opportunities throughout the state, and demonstrating the connection between healthy fisheries and healthy watersheds. By connecting Oregonians to the outdoors through fishing and fish, the R&E Program encourages stewardship for our state's natural resources, which in turn helps to maintain Oregon's livability and natural beauty.



Approved Restoration & Enhancement Projects 2011-13*

Administrative and Mixed Use Accounts		Activity	R&E Funds	Match Contributions	Restoration / Enhancement
n/a	Program Administration	Administration	\$513,571	n/a	n/a
n/a	Administration - Electronic Application Support	Administration	\$15,000	n/a	n/a
11-020	Restoration Emergency Account	Miscellaneous (Restoration)	\$85,000	\$0	Restoration
11-009	Enhancement Emergency Account	Miscellaneous (Enhancement)	\$50,000	\$0	Enhancement
Commercial Projects		Activity	R&E Funds	Match Contributions	Restoration / Enhancement
09-288	Youngs Bay Forklift Replacement (Carry Over)	Hatchery Maintenance	\$18,930	\$4,108	Restoration
11-028	Creeks and Kids Watershed Workshops	Education	\$30,226	\$10,880	Enhancement
11-048	South Coast Fall Chinook Spawning Surveys 2011	Monitoring	\$4,700	\$8,520	Restoration
11-054	Chetco River Chinook Salmon Coded Wire Tag Study	Propagation	\$29,460	\$20,520	Enhancement
11-062	Coos Master Watershed Stewards Program for Youth	Education	\$19,725	\$14,902	Enhancement
11-079	Scholfield Creek Restoration	Habitat	\$14,850	\$37,757	Enhancement
11-087	Salmon River Hatchery Restoration Bundle	Hatchery Maintenance	\$22,500	\$4,452	Restoration
11-106	Big Butte Creek Gravel Augmentation Pilot Project	Habitat	\$29,400	\$2,925	Enhancement
11-107	North Coast Hatchery Fuel Tank Improvements	Hatchery Maintenance	\$21,713	\$14,016	Restoration
11-116	Big Creek Hatchery Maintenance Bundle	Hatchery Maintenance	\$26,300	\$6,699	Restoration
11-122	GRWB STEP Hatchery Water Filtration System	Hatchery Maintenance	\$10,681	\$11,771	Restoration
11-127	East Fork Millicoma Oxbow Reconnection	Passage	\$23,290	\$61,770	Restoration
11-129	West Fork Smith River Instream Restoration Phase 3	Habitat	\$75,000	\$457,927	Enhancement
11-134	Bandon Hatchery Adult Holding Pens	Hatchery Maintenance	\$25,585	\$1,715	Restoration

* Does not include projects which will be approved in the final funding cycle (March 2013).

Sport Projects		Activity	R&E Funds	Match Contributions	Restoration / Enhancement
09-221	Tum Tum River Trout Habitat Project (Carry Over)	Habitat	\$1,735	\$6,821	Enhancement
09-287	Fall River Fish Troughs (Carry Over)	Propagation	\$53,560	\$36,260	Enhancement
11-001	Aldrich Ponds Fishing Enhancement Project	Access	\$59,605	\$53,622	Enhancement
11-004	Borba Road Boat Slide Construction	Access	\$10,000	\$10,973	Enhancement
11-005	Cavender Pond Development	Miscellaneous	\$28,690	\$6,000	Enhancement
11-006	Chetco River Winter Steelhead Creel	Monitoring	\$45,670	\$13,284	Restoration
11-007	Coastal Wild Coho Fisheries Creel Surveys 2011	Monitoring	\$111,240	\$84,259	Restoration
11-008	Coos Fall Chinook and Coho Monitoring Project	Monitoring	\$175,045	\$68,848	Restoration
11-010	God's Valley Meadows Fish Passage Improvement	Passage	\$35,000	\$199,442	Restoration
11-011	Middle Fork Willamette/Upper Hills Creek Reservoir Creel	Monitoring	\$39,788	\$29,114	Restoration
11-012	Independence Boat Ramp	Access	\$61,560	\$663,100	Enhancement
11-013	Life Cycle Monitoring Hatchery Fish Lift	Miscellaneous	\$57,500	\$50,000	Enhancement
11-014	Little Butte Creek Meander Restoration II	Habitat	\$15,135	\$600,877	Enhancement
11-016	OSP Patrol Boat	Monitoring	\$106,919	\$0	Enhancement
11-017	Owens Creek Fish Passage & Habitat Enhancement	Passage	\$29,479	\$69,600	Restoration
11-019	Price Creek Stream and Riparian Enhancement	Habitat	\$39,450	\$19,000	Enhancement
11-022	RR Hatchery Triploid Program & Pressure Vessel	Propagation	\$45,000	\$10,000	Enhancement
11-023	Sauvie Island ADA Fishing Pier Repair	Access	\$143,975	\$20,500	Enhancement
11-024	STAC Mini-Grant Program	Miscellaneous	\$50,000	\$0	Enhancement
11-025	STEP Fish Food Program	Propagation	\$170,110	\$2,454,552	Enhancement
11-026	Upper Yaquina Passage V2	Passage	\$72,754	\$209,692	Restoration
11-027	Vanderzanden Boat Slide Repair	Access	\$9,700	\$7,058	Enhancement

Sport Projects		Activity	R&E Funds	Match Contributions	Restoration / Enhancement
11-029	McEwen Valley Fish Passage Restoration	Passage	\$15,000	\$138,109	Restoration
11-030	Lower Williamson/Spring Creek Habitat Enhancement	Habitat	\$28,450	\$168,406	Enhancement
11-031	Shotpouch Trail Crossing Habitat Connectivity	Passage	\$27,000	\$153,301	Restoration
11-033	North Slough Tide Gate Replacement	Passage	\$51,392	\$91,700	Restoration
11-034	Taylor Lake Access Road Improvement	Access	\$15,196	\$0	Enhancement
11-035	Ocean Fish Preservation Education	Education	\$4,500	\$500	Enhancement
11-036	Luger Pond Handicap Fishing Access Development	Access	\$19,980	\$11,300	Enhancement
11-037	STEP Classroom Incubator and Chiller Units	Education	\$25,000	\$87,085	Enhancement
11-038	Rhoades Pond Restoration Project	Propagation	\$75,250	\$14,750	Restoration
11-039	Quartz Creek Anadromous Fish Habitat Restoration	Habitat	\$26,542	\$26,897	Enhancement
11-041	Adult Salmon Holding Pond	Hatchery Maintenance	\$141,000	\$32,322	Restoration
11-043	High Lakes Database Development	Miscellaneous	\$29,567	\$12,298	Enhancement
11-045	Fish Eggs to Fry Program Volunteer Guide	Education	\$10,274	\$27,308	Enhancement
11-046	Leaburg Hatchery Salmon Viewing Access	Education	\$8,360	\$0	Enhancement
11-050	Wallowa Lake Food Web Study	Research	\$3,200	\$9,450	Restoration
11-051	South Twin Lake Rotenone for Bullhead Removal	Miscellaneous	\$65,000	\$61,830	Enhancement
11-052	Black Rockfish PIT Tagging	Monitoring	\$9,880	\$172,760	Restoration
11-057	ODFW Angler Education Bobber Kits	Education	\$16,200	\$0	Enhancement
11-061	Clackamas Hatchery Intake Pump Repair	Hatchery Maintenance	\$19,500	\$0	Restoration
11-065	Hood River Research Program PIT Tag Antenna System	Monitoring	\$6,917	\$149,559	Restoration
11-066	Phillips Reservoir Fishery Restoration - Phase II	Miscellaneous	\$18,463	\$33,140	Restoration
11-067	Steamboat Fish Ladder Passage Improvement	Passage	\$100,000	\$230,000	Enhancement

Sport Projects		Activity	R&E Funds	Match Contributions	Restoration / Enhancement
11-068	Coastal Fish Management Public Survey	Research	\$60,000	\$15,901	Enhancement
11-069	St. Louis Ponds - Site Plan	Access	\$25,200	\$13,300	Enhancement
11-071	Alsea Winter Steelhead Project	Monitoring	\$6,110	\$6,110	Enhancement
11-072	Juniper Lake Water Development	Access	\$10,214	\$17,900	Enhancement
11-073	Nehalem Hatchery Emergency Generator Replacement	Hatchery Maintenance	\$40,000	\$27,400	Restoration
11-074	Northeast Oregon Spring Chinook Creel Surveys	Monitoring	\$23,976	\$33,807	Restoration
11-076	Loren's Pond Enhancement Project Phase II	Access	\$46,012	\$52,355	Enhancement
11-077	Lake Lytle Angling Dock Replacement Project	Access	\$35,107	\$35,150	Restoration
11-078	Waggoner Creek Instream Restoration	Habitat	\$43,230	\$122,039	Enhancement
11-080	Alsea Hatchery Feeder Replacement	Hatchery Maintenance	\$41,000	\$6,000	Restoration
11-081	Jefferson County Fishing Pond Improvements	Access	\$9,240	\$1,793	Enhancement
11-082	Coho Creek Fish Passage Improvement Project	Passage	\$30,000	\$417,635	Restoration
11-083	Ferguson Creek Cutthroat Habitat Enhancement	Habitat	\$29,000	\$47,840	Enhancement
11-084	Replace pontoons for Existing Custom Raft	Miscellaneous	\$2,999	\$1,272	Restoration
11-085	Print Revised Easy Angling Oregon	Education	\$14,565	\$1,335	Enhancement
11-086	Trout Creek PIT Tag Array	Research	\$27,328	\$18,682	Restoration
11-088	Myrtle Point Wetland Enhancement	Habitat	\$50,641	\$146,212	Enhancement
11-089	7th Street Fishing Pond Access Enhancement	Access	\$64,920	\$14,025	Enhancement
11-090	Trout Creek Acclimation Pond	Propagation	\$31,750	\$16,500	Enhancement
11-091	Wizard Falls Circular Starting Ponds	Hatchery Maintenance	\$96,910	\$27,426	Restoration
11-092	Marker Buoys for Deschutes Lake Fishing Boundaries	Access	\$2,800	\$2,970	Enhancement
11-093	Pressure Washer for Desert Region Liberation Trucks	Liberation	\$4,000	\$2,800	Enhancement

Sport Projects		Activity	R&E Funds	Match Contributions	Restoration / Enhancement
11-094	STEP/AAE Family Fishing Event Trailers	Education	\$73,700	\$10,000	Enhancement
11-095	ODFW South Coast Maintenance and Supplies	Miscellaneous	\$22,442	\$6,185	Restoration
11-096	Transportation for Angling Education Field Trips	Education	\$2,000	\$26,280	Enhancement
11-098	Clear Creek Habitat Restoration - Phase I	Habitat	\$29,398	\$24,300	Enhancement
11-099a	Coastal Wild Coho Fisheries Creel Surveys 2012	Monitoring	\$109,430	\$60,467	Enhancement
11-100	Klamath Hatchery Windows	Hatchery Maintenance	\$20,350	\$0	Restoration
11-101	Upper Spout Creek Fish Passage Improvement	Passage	\$23,800	\$6,454	Enhancement
11-102	St. Louis Ponds - ADA Fishing Piers	Access	\$122,000	\$30,000	Enhancement
11-103	Drews Valley Ranch Screening Project	Passage	\$55,160	\$33,203	Enhancement
11-104	Cedar Creek Hatchery Pipeline Replacement and Incubation	Hatchery Maintenance	\$77,700	\$16,300	Restoration
11-105	Lakeview District Forest Fishing Docks	Access	\$15,000	\$32,212	Enhancement
11-108	Vernonia Pond Angling Enhancement Project	Access	\$34,870	\$10,861	Enhancement
11-109	Deschutes High Lake Chub Removal And Biological Study	Miscellaneous	\$9,000	\$13,605	Enhancement
11-110	Fall River Hatchery - Emergency Generator	Propagation	\$55,000	\$13,200	Restoration
11-111	Millicoma Interpretive Center Improvements	Propagation	\$8,974	\$20,424	Restoration
11-112	Cleveland Creek Railroad Culvert Replacement	Passage	\$45,000	\$488,971	Restoration
11-113	Printing of 50 Angling Sites Near Medford Brochure	Education	\$1,750	\$400	Enhancement
11-114	Ames Creek Fish Passage Restoration	Passage	\$42,323	\$157,073	Enhancement
11-115	Fillet Table at the Port of Port Orford	Miscellaneous	\$5,000	\$1,000	Restoration
11-118	Chetco River Winter Steelhead Creel - 2012	Monitoring	\$38,219	\$17,284	Restoration
11-121	Salmon River Weir Replacement Project	Hatchery Maintenance	\$35,000	\$5,000	Restoration
11-126	New River Tributary Fish Passage	Passage	\$30,145	\$24,435	Restoration

Sport Projects		Activity	R&E Funds	Match Contributions	Restoration / Enhancement
11-128	Indian Creek Interpretive Site	Education	\$13,212	\$10,488	Enhancement
11-130	Cleawox Lake Fishing Dock	Access	\$72,812	\$20,000	Enhancement
11-132	Alsea Winter Steelhead Project Phase II	Monitoring	\$9,150	\$6,000	Enhancement
11-133	Sandy Hatchery Replacement Liberation Truck	Liberation	\$140,000	\$18,000	Restoration
11-135	Fish Map Spatial Data Development	Access	\$22,609	\$6,170	Enhancement
11-137	Equipment for Statewide Fishery Restoration	Habitat	\$59,300	\$32,700	Enhancement
11-138	Ferguson Creek Cutthroat Habitat Enhancement at Bradshaw's	Habitat	\$11,751	\$29,191	Enhancement
11-142	Increasing Catch of Santiam Steelhead by Scatterplanting	Research	\$19,705	\$22,650	Restoration
11-143	Lower Crooked River Creel Survey	Monitoring	\$10,436	\$5,977	Restoration
11-144	Hood River Winter Steelhead Escapement Monitoring	Monitoring	\$20,350	\$76,335	Restoration
11-145	Broadway Park Fishing Access Improvement	Access	\$40,000	\$20,000	Enhancement
11-146	Phillips Reservoir Creel Survey 2013	Monitoring	\$9,630	\$7,125	Restoration
11-147	Rock Creek Hatchery Entrance Road Repair	Hatchery Maintenance	\$57,000	\$1,000	Restoration
11-149	Rock Creek Hatchery Raceway Railings	Hatchery Maintenance	\$14,000	\$0	Restoration
TOTAL			\$5,145,735	\$8,973,421	



R&E Projects By County 1990-2013

The 1103 R&E projects approved since 1989 are located throughout the state, reflecting the general distribution of water and fishing opportunities in Oregon.

County	Habitat	Fish Passage	Hatchery Maintenance & Propagation	Education	Research & Monitoring	Access	Liberation	Miscellaneous	Total
Baker	2	1	0	0	2	4	0	4	13
Benton	5	3	9	2	9	5	0	3	36
Clackamas	5	1	12	0	7	4	3	1	33
Clatsop	3	3	36	3	11	3	0	5	64
Columbia	3	3	0	0	1	2	0	0	9
Coos	21	7	22	3	14	9	0	4	80
Crook	16	0	0	0	11	2	0	1	30
Curry	12	4	22	4	15	2	1	4	63
Deschutes	25	0	9	3	5	4	2	7	55
Douglas	30	5	23	4	12	4	2	4	84
Gilliam	1	2	0	0	0	0	0	0	3
Grant	15	1	1	0	0	6	0	2	25
Harney	5	1	4	1	8	4	0	3	26
Hood River	1	1	0	1	1	0	0	1	5
Jackson	10	3	4	4	6	3	1	2	33
Jefferson	6	0	4	2	1	4	1	0	18
Josephine	3	1	1	1	1	3	0	0	10
Klamath	16	8	3	0	2	2	0	0	31
Lake	8	8	1	0	1	2	0	0	20
Lane	17	4	15	8	12	10	0	4	70
Lincoln	12	2	16	13	12	1	1	6	63
Linn	1	1	12	0	1	5	0	2	22
Malheur	0	0	0	0	2	1	0	1	4
Marion	4	1	0	3	2	4	0	1	15
Morrow	2	0	2	0	0	0	0	0	4
Multnomah	4	1	7	5	7	3	0	3	30
Polk	1	2	0	0	0	1	0	2	6
Tillamook	28	6	34	3	10	12	2	3	98
Umatilla	7	1	1	0	2	12	0	2	25
Union	4	0	0	0	1	11	0	0	15
Wallowa	8	2	1	0	10	4	0	0	25
Wasco	5	0	6	0	4	3	0	1	19
Washington	0	0	0	0	0	2	0	0	2
Wheeler	1	0	0	0	0	1	0	0	2
Yamhill	0	0	0	0	1	0	0	0	1
Statewide	5	1	5	18	16	3	3	13	64
TOTAL	286	73	250	78	187	136	16	79	1103



**Restoration and Enhancement Program
Oregon Department of Fish and Wildlife
Fish Division
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Phone: 503-947-6259
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