

**Summary of Projects Recommended for Funding and Board Discussion**  
**Fish Restoration and Enhancement Board**  
 2009-2011 Biennium – Cycle 1 of 8

The Restoration and Enhancement (R&E) Board met in Newport on May 28-29, 2009, to review 37 projects requesting funding from the R&E Program. A project must receive a majority of Board votes to be recommended for funding; all seven Board members attended the meeting. A summary of each project, funding requested, designation as sport or commercial funding, public comment, and Board discussion points are below. Major issues raised are identified in the Board discussions and any public comment submitted by individuals or groups other than project sponsors are noted. Internal ODFW staff review of each project is provided to the Board and the project sponsor prior to the meeting, and sponsors typically respond to this staff review during their presentation to the Board.

The Board recommends funding the following projects:

<b>Restoration</b>
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<b>Project Number:</b>	09-001
<b>Project Title:</b>	Crooked River Redband Trout Study Phase 2
<b>Project Type:</b>	Research
<b>Sponsor:</b>	Oregon State University
<b>Sport/Commercial:</b>	Sport
<b>Funds Requested:</b>	\$23,473
<b>Total Project Cost:</b>	\$41,573

<b>Match:</b>	
OSU	\$5,500
OSU Dept of Fish & Wildlife	\$4,800
Volunteers	\$7,800
<b>Total Match:</b>	<b>\$18,100</b>

**Description:** This project is a continuation of a previously funded project by the Restoration and Enhancement Board to facilitate an Oregon State University graduate research associate to conduct investigations on redband trout and mountain whitefish in the Crooked River below Bowman Dam. ODFW has documented declines in redband trout abundance, coupled with increases in the whitefish population; however causative factors have not been identified. The project extended beyond the previously funded period to facilitate additional data collection and research vigor. The objectives of the project are: 1) to obtain information on the interspecific relationship between redband trout and mountain whitefish in the Crooked River below Bowman Dam, and 2) to determine how stream flow conditions impact abundance and distribution of redband trout and mountain whitefish in the project area.

**Board Discussion:** The Board commented that they would like the graduate student associated with this project to come back and present their results at a Board meeting when they are finished. The student, Ms. Nesbit, replied that she would be happy to do that.

**Board Vote:** 7-0

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**Project Number:** 09-004  
**Project Title:** Salmon River Hatchery Predator Netting  
**Project Type:** Hatchery Maintenance – ODFW  
**Sponsor:** ODFW – Salmon River Hatchery  
**Sport/Commercial:** Commercial  
**Funds Requested:** \$16,087  
**Total Project Cost:** \$19,671

**Match:**  
ODFW \$3,584

**Description:** This project will provide protection to ponded hatchery fish from predators and disease. Large fish losses are occurring from lesser mergansers, cormorants, otters, seagulls, and herons targeting the rearing ponds. There are also disease transfer issues from these predators to ponded fish. Netting will prevent the predator and disease problems, and help prevent unnecessary stressors to the fish. The Salmon River Hatchery currently produces Salmon River fall Chinook, Yaquina Bay Chinook, Big Creek coho, Siletz summer steelhead, and rainbow trout fish stocks.

**Board Discussion:** The Board commented that hatcheries need to protect their production from predation as they no longer have the margin of fish to lose to predators as they did in the past.

**Board Vote:** 7-0

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**Project Number:** 09-005  
**Project Title:** Roaring River Hatchery Fish Feeding System  
**Project Type:** Hatchery Maintenance – ODFW  
**Sponsor:** ODFW – Roaring River Hatchery  
**Sport/Commercial:** Sport  
**Funds Requested:** \$90,250  
**Total Project Cost:** \$106,354

**Match:**  
SFR Hatchery Program \$16,104

**Description:** This project proposal would fund the replacement of an existing failing feeding system at Roaring River Hatchery. The project would include the construction and installation of the electrical feeder control panels, installation of all electrical lines to feeder station outlets, and the purchase of 24

feeder units. The new fish feeder system will allow for the continued production of triploid rainbow trout used in trout fisheries around the State. A usable feeding system is primary in maintaining production at the Roaring River facility within the existing staffing levels.

**Board Discussion:** The Board asked how many staff are assigned to the hatchery. The applicant replied they have four full-time staff and two seasonal positions during the spawning season. The Board asked if this project was included on the Deferred Maintenance list. The applicant replied that it is not.

**Board Vote: 7-0**

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**Project Number:** 09-010  
**Project Title:** Angling Enhancement in the Ochoco Mountain Area  
**Project Type:** Miscellaneous  
**Sponsor:** ODFW – Prineville Field Office  
**Sport/Commercial:** Sport  
**Funds Requested:** \$54,640  
**Total Project Cost:** \$66,743

**Match:**  
McCormack Ranch \$2,503  
ODFW \$9,600  
**Total Match:** \$12,103

**Description:** This project would fund the restoration of the rainbow trout fishery in Walton Lake and Antelope Flat Reservoir by chemically removing illegally introduced bullhead catfish and smallmouth bass. Successful completion of the project will restore quality fishing opportunities, improve water quality to pre-introduction levels, and will eliminate sources of future illegal introductions. Adjacent landowners will chemically treat Bear Creek Reservoir concurrently, which is fed by Antelope Reservoir to improve quality of their effluent and limit the potential of re-establishing bullhead populations.

**Board Discussion:** The Board asked if the area provided a smallmouth bass fishery. The applicant shared that the habitat and climate are not conducive to a warmwater fishery at this site. The Board asked what the budget line item of \$6,000 contingency was dedicated to. The applicant shared it was for unexpected expenses, mostly due to increases in shipping and rotenone costs.

**Board Vote: 7-0**

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**Project Number:** 09-011  
**Project Title:** Coquille River Coho Creel Survey  
**Project Type:** Monitoring  
**Sponsor:** ODFW – Charleston Field Office  
**Sport/Commercial:** Sport  
**Funds Requested:** \$29,422  
**Total Project Cost:** \$38,812

**Match:**  
 ODFW \$9,390

**Description:** This project will fund a statistical creel of the lower Coquille River to monitor harvest of unmarked coho salmon for the proposed 2009 and 2010 fishery. Due to the Endangered Species Act listing of coastal coho salmon, coho fisheries will occur under criteria outlined by a Fishery Monitoring and Evaluation Plan (FMEP), Amendment 13 of the Pacific Fisheries Management Council (PFMC), and through authorization by NOAA Fisheries. The creel will be developed by ODFW staff and the creel will be conducted from September 1 through November 30. Data collection is mandatory for in-season assessment of catch relative to harvest quotas established for the Coquille River, annual reviews of the fishery, and consistency with PFMC requirements. The Coquille River is one of four basins in Oregon proposing an unmarked coho fishery and all four basins are following the same guidelines.

**Board Discussion:** The Board asked if the area proposed was a tidal area. The applicant shared that the proposed fishing area will be in this area, but not in the spawning areas. The Board asked if the same information will be gathered in the other areas where these creels are proposed. The applicant replied yes, without this information there will not be a fishery as per agreement with NOAA Fisheries.

**Board Vote:** 7-0

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**Project Number:** 09-012  
**Project Title:** Howard Prairie Creel  
**Project Type:** Monitoring  
**Sponsor:** ODFW – Central Point District Office  
**Sport/Commercial:** Sport  
**Funds Requested:** \$20,738  
**\*Funds Recommended:** \$19,238  
**Total Project Cost:** \$25,210

**Match:**  
 ODFW \$3,972  
 Howard Prairie Resort \$500  
**Total Match:** \$4,472

**Description:** The project will fund the second phase of a creel survey that will be conducted through the end of 2009. This project will allow continuation of a creel that was initiated in the 2007-2009 biennium with R&E program funding. This will assist ODFW staff in evaluating and comparing contribution to the fishery between spring and fall fingerling releases into Howard Prairie Reservoir.

This project will conclude the second year of a two-year pilot project testing the release of rainbow trout fingerling in the fall as a way to restore the declining trout fishery. The trout fishery has been severely impacted from predation due to illegally introduced fish species. Previous results have shown that if trout are released at a size of approximately six to seven inches in length, survival rates increase. Additional surveys that contribute to restoration of the trout fishery will be conducted as opportunity and time allows.

**Board Discussion:** The Board asked if any alternatives were discussed in regards to the removal of bass from the reservoir. The applicant replied that with the large number of smallmouth bass they would be forced to use a chemical type of treatment for removal. The Board discussed the \$1,500 amount in the budget that was added for “contingencies” and decided to subtract it from the total amount as they felt the request was not well defined.

**Board Vote:** 7-0

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<b>Project Number:</b>	09-016
<b>Project Title:</b>	Elk River Hatchery Valve Replacement Project
<b>Project Type:</b>	Hatchery Maintenance – ODFW
<b>Sponsor:</b>	ODFW – Elk River Hatchery
<b>Sport/Commercial:</b>	Commercial
<b>Funds Requested:</b>	\$51,000
<b>Total Project Cost:</b>	\$51,960

**Match:**  
ODFW \$960

**Description:** This project will fund the removal and replacement of a 30-inch water main valve located at Elk River Hatchery. Currently, a valve in the main hatchery supply line is leaking at 60 gallons per minute with one pump in operation. Normal summer operation is three pumps, which would triple the loss to 180 gallons per minute (gpm). The valve is not designed to pass water unless in the open position. Failure of the valve would cause the loss of Elk River Hatchery annual production. This project must be accomplished in an extremely short period of time as the hatchery water supply must be shut off, which requires emergency operations for the water supply to the ponded fish.

**Board Discussion:** The Board discussed that this was a very necessary repair.

**Board Vote:** 7-0

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**Project Number:** 09-017  
**Project Title:** Upper Klamath Lake Recreational Fishery Survey  
**Project Type:** Monitoring  
**Sponsor:** ODFW – Klamath Watershed District Office  
**Sport/Commercial:** Sport  
**Funds Requested:** \$97,620  
**Total Project Cost:** \$172,802

**Match:**  
ODFW \$75,182

**Description:** This project will fund personnel and supplies costs of a creel survey on Upper Klamath Lake. This project will allow continuation of a creel that was initiated in the 2007-2009 biennium with R&E program funding. The creel will continue to operate on a pre-established design from the ODFW Biometrician and Research staff. Upper Klamath Lake supports a very popular recreational redband trout fishery for trophy-sized trout. Redband trout captured in Upper Klamath Lake commonly reach over 10 pounds in size and are some of the largest native redband trout in North America. Angler interviews and pressure counts will be used to gather information for the survey. Redband trout numbers have been a focus of concern for ODFW in the Wood River, and currently the recreational redband fishery has very conservative angling regulations for maximum protection. Information on the catch per unit effort for anglers and exploitation rate will help ODFW to proactively manage this important wild redband trout fishery.

**Board Discussion:** The Board asked why there were not any matching funds from the community, but the Board also noted the project appears to have a lot of support. The applicant explained that the local clubs have little money, and if the applicant was successful in receiving funds, they would be minimal. The clubs are small in this area; there are no larger clubs that have the ability to seek other funds on behalf of the project.

**Board Vote:** 7-0

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**Project Number:** 09-018  
**Project Title:** Fall Chinook and Coho Fishery Monitoring Project  
**Project Type:** Monitoring  
**Sponsor:** ODFW – Charleston Field Office  
**Sport/Commercial:** Sport  
**Funds Requested:** \$173,726  
**Total Project Cost:** \$236,454

**Match:**  
ODFW In-Kind \$24,020  
Volunteers \$38,708  
**Total Match:** \$62,728

**Description:** This project will fund components of a monitoring and evaluation of the Coos River STEP Fall Chinook Salmon Program by conducting mark/recapture studies, spawning surveys, and angler

creel for both fall Chinook and unmarked coho fisheries. This project has four related parts. The first portion of the project will evaluate STEP propagation projects and overall Coos River fall Chinook program fish contribution to the ocean and Coos Basin fall Chinook fisheries. The second portion will evaluate hatchery stray rates into areas of natural production and the potential impacts on wild fish. The third portion will evaluate if the Coos River fall Chinook fish propagation program is being conducted in a manner that minimizes adverse ecological impacts to area watersheds; and the final project part will monitor the recreational harvest of unmarked coho in the proposed future Coos River basin coho fishery.

**Board Discussion:** The Board felt that this project provided a majority of benefits to the sport fishery rather than the commercial fishery, and voted to change the project from commercial to sport.

**Board Vote: 7-0**

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<b>Project Number:</b>	09-019
<b>Project Title:</b>	Villwock's Ford Fish Passage Improvement
<b>Project Type:</b>	Passage
<b>Sponsor:</b>	Rickreall Watershed Foundation
<b>Sport/Commercial:</b>	Sport
<b>Funds Requested:</b>	\$25,000
<b>Total Project Cost:</b>	\$258,059

<b>Match:</b>	
In-Kind	\$4,250
OWEB Restoration Grant	\$191,509
Rickreall Watershed Foundation	\$3,500
NRCS WHIP	\$33,800
<b>Total Match:</b>	<b>\$233,059</b>

**Description:** This project would fund removal of an existing raised concrete ford and replace it with an on-grade ford that mimics the natural channel profile. This project will open over 22 miles of stream habitat to winter steelhead, juvenile Chinook salmon, coho salmon, and Pacific lamprey, while maintaining landowner agricultural access.

**Board Discussion:** None.

**Board Vote: 7-0**

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**Project Number:** 09-021  
**Project Title:** Fish Pump Replacement  
**Project Type:** Hatchery Maintenance – ODFW  
**Sponsor:** ODFW – Willowa Hatchery  
**Sport/Commercial:** Sport  
**Funds Requested:** \$49,500  
**Total Project Cost:** \$58,000

**Match:**  
ODFW \$4,500  
US Fish and Wildlife Service \$4,000  
**Total Match:** \$8,500

**Description:** This project would fund the purchase of a new fish pump. This unit would replace the hatchery's existing fish pump that is 55-years old and is in very poor condition. This new pump will be used to load 60,000 catchable rainbow trout annually at Willowa Hatchery. These fish majorly benefit ODFW's trout stocking program in Northeast Oregon.

**Board Discussion:** None.

**Board Vote:** 7-0

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**Project Number:** 09-023  
**Project Title:** Trask Hatchery Forklift  
**Project Type:** Miscellaneous (Restoration)  
**Sponsor:** ODFW – Trask River Hatchery  
**Sport/Commercial:** Sport  
**Funds Requested:** \$20,050  
**Total Project Cost:** \$25,050

**Match:**  
North Coast Salmon and Steelhead Enhancement  
Fund \$5,000

**Description:** This project will fund the purchase of a forklift, which will be used to load large quantities of fish totes full of surplus hatchery adults destined for stream enrichment throughout the Tillamook basin, among other heavy lifting tasks. This forklift would also be available to other facilities in the ODFW Northwest Region for use.

**Board Discussion:** The Board discussed that this was necessary equipment to have at a hatchery.

**Board Vote:** 7-0

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**Project Number:** 09-026  
**Project Title:** South Fork Hatchery Improvements and Young's Bay Piling Replacement  
**Project Type:** Hatchery Maintenance – Non-ODFW  
**Sponsor:** Clatsop County Fisheries  
**Sport/Commercial:** Commercial  
**Funds Requested:** \$96,537  
**Total Project Cost:** \$117,949

**Match:**  
 Federal Emergency Management Agency \$11,758  
 Clatsop County Fisheries \$9,654  
**Total Match:** \$21,412

**Description:** This project would fund repairs at the South Fork Hatchery and the Young's Bay net pen sites. These sites are used for the production of select area bright fall Chinook salmon that are destined for the gillnetting industry in the Columbia River. At the South Fork Hatchery, repairs encompass installation of a new bypass line and sluice valve to help remove silt and debris that settles in front of the screens. Proposed repairs at the net pen site include replacing the wood pilings that hold the net pens on site and replacing them with steel piles.

**Board Discussion:** None.

**Board Vote:** 7-0

**Project Number:** 09-032  
**Project Title:** McKenzie River Creel and Angler Preference Survey  
**Project Type:** Monitoring  
**Sponsor:** ODFW – Springfield Field Office  
**Sport/Commercial:** Sport  
**Funds Requested:** \$121,497  
**Total Project Cost:** \$162,305

**Match:**  
 Sportfish Restoration Grant \$27,090  
 Fish Management \$13,718  
**Total Match:** \$40,808

**Description:** This project will fund personnel and supply costs to implement a 2-year statistical creel and angler preference survey on the Upper McKenzie River to determine catch rates of native and hatchery trout, fishery impacts to native fish, and angling preferences. The last statistical creel targeting trout on the Upper McKenzie River was conducted in 1983. Fisheries management (stocking practices and regulations) and public use of the fishery have vastly changed in the last quarter century. Creel

information collected will be compared to the results of previous surveys, where applicable, and will be used to guide management decisions for this popular recreational fishery.

**Board Discussion:** The Board asked if volunteers could be used to freeze brand the fish. The applicant replied that they could use volunteers, but using volunteers can be time consuming, and this sort of work is sensitive, complicated to do without injuring the fish, and needs to be completed quickly.

**Board Vote:** 7-0

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**Project Number:** 09-033  
**Project Title:** Sevenmile Creek Fish Passage Design Project  
**Project Type:** Passage  
**Sponsor:** Klamath Basin Rangeland Trust  
**Sport/Commercial:** Sport  
**Funds Requested:** \$27,500  
**Total Project Cost:** \$89,353

**Match:**  
USFWS – Partners for Fish & Wildlife Program \$16,947  
USFS – Title II RAC \$28,125  
OWEB \$16,781  
**Total Match:** \$61,853

**Description:** The project would fund repairs to defunct fish screens on two irrigation diversion structures on Sevenmile Creek to ensure fish passage for salmonids, and guarantee that maximum stream flows remain instream. The Lower Sevenmile Ditch (LSD) and Bluesprings (BS) diversions on Sevenmile Creek were built to divert large quantities of water for irrigation. Some of the water users associated with these diversions have made changes in their water management; resulting in less water being diverted, and more water being leased in-stream. The current diversion structures cannot be accurately adjusted to deliver lesser amounts of water now needed by a new water management regime.

**Board Discussion:** The Board asked the applicant if the ODFW Fish Passage program has been contacted regarding the project. The applicant replied that this has been done. The Board asked if all of the irrigation diversions have been screened in the area. The applicant replied that most have, and the remaining unscreened diversions have been identified and are scheduled to be screened in the future.

**Board Vote:** 7-0

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**Project Number:** 09-035  
**Project Title:** North Coast Trout Creel Survey  
**Project Type:** Monitoring  
**Sponsor:** ODFW – Tillamook  
**Sport/Commercial:** Sport  
**Funds Requested:** \$84,414  
**Total Project Cost:** \$116,606

**Match:**

North Coast Salmon & Steelhead  
Enhancement Fund \$1,700  
ODFW \$30,492  
**Total Match:** \$32,192

**Description:** This project will fund personnel and supply costs to implement a statistical creel survey that will monitor the implementation of a consumptive trout fishery on north coast streams. This creel is designed to look at a new fishery approved by the Commission in 2009. The objective of this project is to assess the distribution and intensity of fishing effort directed at coastal cutthroat trout in north coast streams. In addition, catch rates of coastal cutthroat trout during the summer trout fishery will be surveyed. The project will also assess catch and release of trout and other salmon and steelhead during the trout fishery. Seasonal employees will be hired to conduct a creel survey of anglers on north coast streams during the general summer trout season (May – October).

**Board Discussion:** The Board asked if the funds requested were for two years. The applicant replied that the project budget does reflect a two year time span.

**Board Vote:** 7-0

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**Project Number:** 09-036  
**Project Title:** Restoration Emergency Account  
**Project Type:** Miscellaneous (Restoration)  
**Sponsor:** ODFW  
**Sport/Commercial:** Sport  
**Funds Requested:** \$50,000  
**Total Project Cost:** \$50,000

**Match:** No match listed.

**Description:** This fund is designated for use in emergency restoration situations as they arise over the biennium. These emergency situations may include scenarios such as broken pipes, flood damage, unexpected cost over-runs, additional materials due to a shortage, and other 'acts of god' descriptors that may occur. When these emergencies happen, it is very important to be able to get monies immediately without going through the usual extended R&E process, and this fund is set up specifically for these uses.

**Board Discussion:** The Board discussed whether this amount was enough to last for two years. The Coordinator indicated that they felt the amount was adequate at this time, but if more funds are needed, they will ask the Board to “refresh” the account.

**Board Vote:** 7-0

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**Project Number:** 09-038  
**Project Title:** Nehalem River and Bay Creel Survey  
**Project Type:** Monitoring  
**Sponsor:** ODFW – Tillamook  
**Sport/Commercial:** Sport  
**Funds Requested:** \$56,576  
**Total Project Cost:** \$74,466

**Match:**  
North Coast Salmon & Steelhead  
Enhancement Fund \$1,500  
ODFW \$16,390  
**Total Match:** \$17,890

**Description:** This project will fund personnel and supply costs to implement a 2-year statistical creel survey to implement a 2-year statistical creel on the wild coho salmon fishery in the Nehalem Basin during 2009 and 2010. ODFW is proposing to open a coho fishery that would allow the retention of wild coho salmon in the fall of 2009 and potentially 2010. These fisheries will be based on pre-determined quotas. Approval to open this fishery from NOAA Fisheries is dependent on the ability of ODFW to monitor harvest levels relative to the approved quota; hence the need for a creel survey.

**Board Discussion:** The Board asked how many months the survey would be conducted. The applicant replied that the survey would be three months in length over two years. The survey would start in September and finish in November.

**Board Vote:** 7-0

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**Project Number:** 09-041  
**Project Title:** Umpqua Coho Genetic Pedigree Project  
**Project Type:** Research  
**Sponsor:** ODFW – Umpqua Watershed District Office  
**Sport/Commercial:** Commercial  
**Funds Requested:** \$44,160  
**Total Project Cost:** \$86,782

**Match:**  
 OWEB \$25,000  
 ODFW \$17,622  
**Total Match:** \$42,622

**Description:** This project would fund personnel and supply costs associated with the final year of the Umpqua Coho Genetic Pedigree Project. The project began in 2001 as a Conservation Hatchery Incentive Program (CHIP) to study experimental supplementation of coho salmon. Progeny from wild and hatchery stock were released into the stream using various hatchery rearing scenarios. Genetic samples have been taken from all returning adults since 2002. DNA fingerprinting is being used to track reproductive success of the various pedigrees through two full generations. The last cohort of adults from the second generation will be returning in the fall of 2009. The purpose of the project is to evaluate the effectiveness and impacts of using hatchery coho to speed the recovery of wild coho populations. This project needs to continue into 2010 to follow two complete generations of coho salmon replicated within three cohorts.

**Board Discussion:** The Board asked if this project was duplicating the work being conducted at the Oregon Hatchery Research Center. The applicant replied that this project was started before the OHRC was conceived and it is being conducted independently with Oregon State University.

**Board Vote:** 7-0

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**Project Number:** 09-042  
**Project Title:** Yaquina Bay Coho Salmon Creel Survey  
**Project Type:** Monitoring  
**Sponsor:** ODFW – Newport  
**Sport/Commercial:** Sport  
**Enhancement/Restoration:** Restoration  
**Funds Requested:** \$28,238  
**Total Project Cost:** \$37,628

**Match:**  
 ODFW Mid-Coast Fish District \$3,000  
 ODFW Biometrician \$6,390  
**Total Match:** \$9,390

**Description:** This project will fund personnel and supply costs to implement a 2-year statistical creel survey to implement a 2-year statistical creel on the wild coho salmon fishery in the Yaquina Basin during 2009 and 2010. ODFW is proposing to open a coho fishery that would allow the retention of wild coho salmon in the fall of 2009 and potentially 2010. These fisheries will be based on pre-determined quotas. Approval to open this fishery from NOAA Fisheries is dependent on the ability of ODFW to monitor harvest levels relative to the approved quota; hence the need for a creel survey.

**Board Discussion:** The Board asked why the gas price estimates were different in this creel than the other creels. The applicant replied they had based their gas prices in \$3 a gallon rather than \$4 a gallon.

**Board Vote: 7-0**

<b>Enhancement</b>
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**Project Number:** 09-002  
**Project Title:** 2009 Little Deschutes River Boat Launch Project  
**Project Type:** Access  
**Sponsor:** ODFW – Deschutes Watershed District Office  
**Sport/Commercial:** Sport  
**Enhancement/Restoration:** Enhancement  
**Funds Requested:** \$13,000  
**Total Project Cost:** \$41,963

**Match:**

Juvenile Community Justice	\$9,435
Explore Oregon	\$9,250
ODFW In-Kind	\$6,000
ODFW	\$400
Wildlife	\$300
ODWR Volunteer Program	\$122
Juvenile Community Justice & Explore Oregon (Staff time)	\$3,456
<b>Total Match:</b>	<b>\$28,963</b>

**Description:** This project will improve fishing access near La Pine to the Little Deschutes River, on three properties owned by the State of Oregon. In the area between Sunriver and Gilchrist, the Little Deschutes has limited public parking, boat ramps, and developed access points. The project will add parking, three boat ramps (with fish habitat and erosion reduction structures), demarcated property boundaries, improved trails, and signage at all three properties.

**Board Discussion:** The Board asked why the additional launch was needed. The applicant shared that the four miles takes approximately 4 hours to float, and the third area would be an ideal spot for a rest break. The applicant also shared that the Community Justice Department has agreed to maintain the facilities at this spot. The Board discussed that access was a very high priority, especially in this area. The Board also commented on the high amount of match that the sponsor secured, and that the work is a great experience for the youth assigned to community service duties, and these groups of youth are provided some educational components by ODFW while working on this project.

**Board Vote: 7-0**

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**Project Number:** 09-003  
**Project Title:** Cheadle Lake Disabled Angler Platform  
**Project Type:** Access  
**Sponsor:** Albany Chapter ANWS  
**Sport/Commercial:** Sport  
**Funds Requested:** \$12,200  
**Total Project Cost:** \$19,563

**Match:**

ANWS – Albany Chapter \$5,358  
City of Lebanon \$2,005  
**Total Match:** \$7,363

**Description:** This project will construct a disabled angler platform that will be accessible for disabled anglers utilizing Cheadle Lake. Disabled angler access at present is very minimal and rudimentary in nature. The platform will be a permanent structure, immediately adjacent and level with the road surrounding the lake on the northeast shore. The 106-acre Cheadle Lake currently supports a warmwater fishery, but the lake property is being further developed as a Lebanon city park that will provide a variety of recreational uses. This platform will be the first disabled angler access to be constructed at Cheadle Lake.

**Board Discussion:** The Board asked if there will be ADA accessible parking available at the site. The applicant replied that there will be. This parking access will only be available for ADA anglers. The Board commented that this is a great project.

**Board Vote:** 7-0

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**Project Number:** 09-007  
**Project Title:** STEP Classroom Incubator Chiller Units  
**Project Type:** Education  
**Sponsor:** ODFW  
**Sport/Commercial:** Sport  
**Funds Requested:** \$25,000  
**Total Project Cost:** \$25,000

**Match: No match listed.**

**Description:** The project will fund the purchase of aquarium water chiller units that will be available for use in STEP classroom incubator projects statewide. These projects rear salmon, steelhead, and trout for release as unfed fry.

The projects provide information on salmonid biology, salmonid habitat requirements, and the challenges associated with raising salmonids in an artificial environment. Fish are released into waters designated by ODFW and typically during class field trips. The student's participation with the fish release furthers awareness of fish habitat needs, prompts involvement with habitat restoration efforts, and helps establish a sense of stewardship for Oregon's native fish.

**Board Discussion:** The Board discussed that Eggs to Fry program has been a very valuable component of the STEP Programs in Oregon and has brought many benefits to school children all across the state. The Board would like to see some standardization of equipment so that a bulk purchase of chillers can be made to further placement of chillers in more classrooms. The R&E Coordinator replied that staff have been pursuing this option, and will find a distributor who will sell chillers in bulk that will work for most classroom situations.

**Board Vote:** 7-0

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**Project Number:** 09-008  
**Project Title:** STEP Fish Food Program  
**Project Type:** Propagation – STEP  
**Sponsor:** ODFW  
**Sport/Commercial:** Sport  
**Funds Requested:** \$90,000  
**Total Project Cost:** \$1,260,600

**Match:**  
Volunteer Labor In-Kind \$1,170,600

**Description:** The project will fund the purchase of fish food from July 18, 2009 through June 30, 2011 for use at STEP fish rearing and acclimation project sites throughout Oregon. STEP fish culture projects produce fish that contribute to recreational and commercial fisheries. They also often include or support a variety of educational activities and serve as an opportunity for public involvement with ODFW fish management efforts.

**Board Discussion:** None.

**Board Vote:** 7-0

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**Project Number:** 09-009  
**Project Title:** Klaskanine Hatchery Freezer Renovation Project  
**Project Type:** Miscellaneous (Enhancement)  
**Sponsor:** ODFW – North Coast Watershed District  
**Sport/Commercial:** Commercial  
**Funds Requested:** \$10,850  
**Total Project Cost:** \$22,270

**Match:**  
Rainland Flycasters \$10,930  
Lower Columbia River Estuary Partnership \$500  
**Total Match:** \$11,420

**Description:** This proposal seeks R&E funding for electrical costs, purchase and installation of a compressor motor for the large freezer at Klaskanine Fish Hatchery. The cooling tower will eliminate the freezer's connection to a municipal water supply that cools the compressor motors when the freezer is in operation. This will eliminate the cost of a monthly water bill. The cooler is used to store carcasses that are utilized for in-stream enrichment activities on lower Columbia River tributaries.

**Board Discussion:** The Board asked what the cooling tower does. The applicant replied it is part of a closed system that recirculates water for cooling. Currently the freezer is using clean city water, which makes the cost of use higher than if the freezer can be plumbed to use re-circulated non-potable water. The Board asked where the carcasses are distributed. The applicant replied that the carcasses are distributed from the Klaskanine River to the Lower Columbia. The Board asked about long-term funding of the costs of the freezer unit. ODFW staff replied that they will put the costs of operating the freezer into the hatchery budget in the next biennium. The Board discussed that this freezer provides more of a benefit to commercial fisheries, and moved that it be removed from the sport category and designated a commercial project.

**Board Vote:** 7-0

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<b>Project Number:</b>	09-013
<b>Project Title:</b>	Rogue Spring Chinook Salmon Carcass Survey
<b>Project Type:</b>	Monitoring
<b>Sponsor:</b>	ODFW – Central Point Field office
<b>Sport/Commercial:</b>	Sport
<b>Funds Requested:</b>	\$22,117
<b>Total Project Cost:</b>	\$27,413

<b>Match:</b>	
ODFW	\$5,296

**Description:** This project would fund two seasonal workers to conduct enhanced spring Chinook salmon carcass surveys during the initial years of the Rogue Spring Chinook Conservation Plan implementation. These enhanced surveys will allow ODFW to accomplish the following: evaluate the 2009 return in relation to desired status and conservation status criteria identified in the Rogue Spring Chinook Conservation Plan; and obtain needed data to support the removal of Gold Ray Dam should Jackson County decide to remove the structure.

**Board Discussion:** The Board asked why scales couldn't be collected at other locations and times. The applicant replied that the scales need to be collected from the spawning grounds to conduct accurate aging of spawning fish.

**Board Vote:** 7-0

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**Project Number:** 09-015  
**Project Title:** NW Steelheaders "At Risk" Youth Coho Angling Clinic  
**Project Type:** Education  
**Sponsor:** Association of Northwest Steelheaders- Newport Chapter  
**Sport/Commercial:** Sport  
**Enhancement/Restoration:** Enhancement  
**Funds Requested:** \$1,600  
**Total Project Cost:** \$2,580

**Match:**  
 Newport Soroptimists \$400  
 Siletz Tribal Charitable Contribution \$400  
 Fund  
 Miscellaneous Donations \$180  
**Total Match:** \$980

**Description:** This project would fund an angling clinic that targets youth who are at risk of entering the penal system out on the ocean to fish for coho salmon. The clinic will provide the boat, captain, crew, rain gear, rods, reels, bait, tackle, lunch, and a framed photo of each individual catch. This experience will specifically address the need to reconnect participants with the outdoors and nature. By providing a positive, educational experience, it is hoped that the participants will move away from making choices that may lead to involvement in gangs, drugs, and a life spent in the detention system.

**Board Discussion:** The Board complemented the sponsor on this idea and thought it was an excellent way to reach out to troubled youth, and it allows the kids to have a positive interaction with adults. The Board commented that if one youth on this trip was deterred away from future incarceration that would be worth the entire cost of this project.

**Board Vote:** 7-0

**Project Number:** 09-020  
**Project Title:** Wood River Redband Trout Habitat  
**Project Type:** Habitat  
**Sponsor:** ODFW – Klamath Watershed District Office  
**Sport/Commercial:** Sport  
**Funds Requested:** \$10,746  
**Total Project Cost:** \$48,281

**Match:**  
 US Fish and Wildlife Service \$10,175  
 ODFW \$1,860  
 Oregon Department of Forestry \$25,000  
 Bureau of Land Management \$200  
 Klamath Basin Restoration Trust \$300  
**Total Match:** \$37,535

**Description:** This project would fund adding large and small woody material and gravel to the Wood River to be used by all life stages of redband trout. In the future, this habitat will benefit bull trout, Chinook salmon, and possibly steelhead. This one-mile area of the Wood River provides a majority of the redband trout spawning habitat in the Wood River and is the most important spawning habitat for redband trout in the entire Wood River Watershed. Currently, spawning gravel is limited with most spawning occurring in a concentrated area. By adding spawning gravel, the trout will be less concentrated and will spread out. This will reduce predation, allow for more redds to be made, and will reduce risk of redd failure due to fungus or other disease. Gravel addition will increase productivity for redband fry by increasing aquatic insect numbers.

**Board Discussion:** The Board asked if the woody debris will impact boating in the river. The applicant replied it will not affect passage. The Board asked if there are grazing problems in the area. The applicant replied one side is heavily used for grazing. The Board asked if the area is fenced. The applicant replied a fence was installed in 1997, but unfortunately it made the grazing situation worse as the land owner used the riparian area as a pasture instead of excluding cattle from the area as it was originally intended to do.

**Board Vote:** 7-0

<b>Project Number:</b>	09-022
<b>Project Title:</b>	Little Butte Meander Restoration Implementation
<b>Project Type:</b>	Habitat
<b>Sponsor:</b>	National Center for Conservation Science & Policy
<b>Sport/Commercial:</b>	Sport
<b>Funds Requested:</b>	\$75,000
<b>Total Project Cost:</b>	\$503,200

<b>Match:</b>	
OWEB	\$357,000
The Nature Conservancy Blue Sky Program	\$35,000
Title II Funding	\$25,000
ODFW	\$7,500
Middle Rogue Steelheaders	\$3,700
<b>Total Match:</b>	<b>\$428,200</b>

**Description:** This project will fund the completion of design work that was initiated with previous R&E Program funding in the 2007-2009 biennium. Once the design is completed, the sponsor can begin to implement the project. This project will increase stream length, restore a historic meander, and will improve habitat for native fish species including steelhead trout, coho salmon and fall Chinook salmon. Waterfowl and other wildlife species will also benefit from this work.

**Board Discussion:** The Board asked if the applicant felt that OWEB would provide support. The applicant replied that the OWEB review team was very supportive of the project, which was a good indicator of future funding success. The Board conditioned funding of this project on the sponsor

receiving monies from the Oregon Watershed Enhancement Board. The Board discussed that this project has good potential, and that they support the general premise of providing better habitat to improve fisheries.

**Board Vote: 7-0**

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**Project Number:** 09-027  
**Project Title:** *Ceratomyxa shasta* Impacts on Upper Klamath River Salmon  
**Project Type:** Research  
**Sponsor:** Oregon State University  
**Sport/Commercial:** Commercial  
**Funds Requested:** \$80,700  
**Total Project Cost:** \$118,065

**Match:**  
Oregon State University \$19,837  
Bureau of Reclamation \$7,837  
ODFW Klamath Falls District Office \$9,691  
**Total Match:** \$37,365

**Description:** This project would continue to fund surveying of *Ceratomyxa shasta* parasite levels where parasite levels are high in the Klamath Watershed. This project was initiated with R&E program funds in the 2007-2009 biennium. Surveys for the host will identify host habitat use, and survey results will be analyzed to determine the conditions that promote parasite colonization. Genetic analysis of the parasite will be conducted at each step to determine if particular parasite strains play a role in infection. This information is necessary for predicting the potential effects of the parasite during future salmonid reintroduction into the upper basin. 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 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 decisions that will reduce disease effects basin-wide and allow successful reintroduction of salmon into the upper Klamath basin.

**Board Discussion:** The Board asked if any federal funds were being used for this project. The applicant replied that the funds haven't been received yet for the *C. shasta* study from NOAA Fisheries. The Board asked the timeline of the project. The applicant replied this is the final year of the project; the report will be done next year. The Board commented that they would like the graduate student associated with this project to come back and present their results at a Board meeting when they are finished. The student replied that she would be happy to do that.

**Public Comment:** Paul Merz, Commercial Fisherman, commented that this project is vital to the commercial industry as far as figuring out the spread and distribution of *C. Shasta* in the Klamath River system and is critical for reintroduction efforts in the basin.

**Board Vote: 7-0**

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**Project Number:** 09-029  
**Project Title:** Morgan Lake Development  
**Project Type:** Access  
**Sponsor:** City of La Grande  
**Sport/Commercial:** Sport  
**Funds Requested:** \$67,556  
**Total Project Cost:** \$125,292

**Match:**  
City of La Grande \$15,875  
Wildhorse Foundation \$20,000  
Riverband Youth Authority \$12,096  
Rotary Club \$6,490  
Boy Scouts of America \$240  
Anderson Perry, Inc. \$130  
**Total Match:** \$57,736

**Description:** This project would fund renovations at Morgan Lake, a very popular angling destination for local residents as well as out of town visitors outside of La Grande. Renovations will include: replacement of two poorly designed pit restrooms with vault toilets; installation of a small floating dock next to the boat launch area to provide mooring, fishing and swimming opportunities; and construction of four fishing piers along the south end of the lake. The lake is stocked annually with 23,000 fingerling and 2,000 legal size rainbow trout. Special events such as the Optimist Club Fishing Derby and the ODFW Free Fishing Day draw as many as 400 participants each year.

**Board Discussion:** None.

**Board Vote: 7-0**

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**Project Number:** 09-030  
**Project Title:** Goodpasture Boat Landing Project  
**Project Type:** Access  
**Sponsor:** Eugene Water and Electric Board  
**Sport/Commercial:** Sport  
**Funds Requested:** \$50,000  
**Total Project Cost:** \$831,973

**Match:**

Eugene Water & Electric Board \$781,973

**Description:** This project would fund the construction of a modern, safe and environmentally friendly boat ramp on the McKenzie River near Leaburg Lake. This project will create a bigger, safer, boat ramp and open a new stretch of the McKenzie River, from Helfrich Landing down to Leaburg Lake, for recreational fisheries. The project includes a concrete boat ramp, two lane paved access road, loop road and staging area, restroom facilities, boat trailer parking, car parking, and a chain link fence along the north, west, and south perimeter of the site. The proposed boat landing is an alternative to the informal boat landing known as "Ike's Boat Landing". Ike's Landing is an unimproved and unsafe landing located approximately one-mile downstream of the proposed site. The proposed landing is in response to highway safety concerns at the Ike's Landing location.

**Board Discussion:** Board member Kline-Dolby shared that she is familiar with this site and this project is needed. Ike's Landing is a very dangerous boat landing for people to use, and she is happy to see it decommissioned. The Board asked who will be maintaining the site. The applicant replied that Eugene Water and Electric Board will be responsible. The Board asked why the funding amount seemed higher than other applications for restrooms. The applicant replied that the estimate includes delivery, set-up, additions to the unit to assure that it is ADA accessible, and the required excavation. The Board commented that they are happy to support a new, safe landing with bathrooms that do not leak into the river.

**Public Comment:** Doug Caven, McKenzie River Guides Association, commented that it has been fortunate that there have been no serious accidents to date with the old Ike's Landing, and that this project is very much needed and will be appreciated by the community.

**Board Vote: 7-0**

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<b>Project Number:</b>	09-034
<b>Project Title:</b>	Luger Pond Handicap Fishing Access Development
<b>Project Type:</b>	Access
<b>Sponsor:</b>	ODFW – Grande Ronde Watershed District Office
<b>Sport/Commercial:</b>	Sport
<b>Funds Requested:</b>	\$9,173
<b>Total Project Cost:</b>	\$13,197

<b>Match:</b>	
ODFW	\$1,824
US Forest Service	\$2,200
<b>Total Match:</b>	\$4,024

**Description:** This project would fund construction of an ADA accessible fishing infrastructure on an existing gravel pit pond located on the Umatilla National Forest. The project will include construction of a floating fishing dock, and an ADA accessible trail that includes four pads for wheelchair fishing. There are currently 15 gravel pit ponds in the area that are stocked with trout, but none provide ADA access. ODFW has allocated 1,000 legal-sized rainbow trout to be stocked in the pond to help in

developing this fishery. This is a unique opportunity to provide an ADA accessible site in a remote forest setting.

**Board Discussion:** The Board asked if the project could be delayed or does it need to be completed now. The applicant shared that delay could be possible; due to the fact the location isn't ready for the dock yet. The Board asked what the distance is to the nearest town. The applicant replied it is approximately 20 minutes from Elgin, which has a population of 5,000.

**Board Vote: 7-0**

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**Project Number:** 09-037  
**Project Title:** Enhancement Emergency Account  
**Project Type:** Miscellaneous  
**Sponsor:** ODFW  
**Sport/Commercial:** Sport  
**Funds Requested:** \$25,000  
**Total Project Cost:** \$25,000

**Match:** No match listed.

**Description:** This fund is intended to support enhancement projects that arise on an unexpected and emergency basis. These projects would normally go through the R&E Board approval process, and would receive strong support from the Board and the Fish & Wildlife Commission, but the emergency nature of these projects dictates a short turn around period. This proposal would set aside funds to allow the R&E Coordinator and/or Board to fund these emergency proposals as needed.

**Board Discussion:** The Board discussed whether this amount was enough to last for two years. The Coordinator indicated that they felt the amount was adequate at this time, but if more funds are needed, they will ask the Board to "refresh" the account.

**Board Vote: 7-0**

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**Project Number:** 09-039  
**Project Title:** Kids Fish Camp at Camp Angelos  
**Project Type:** Education  
**Sponsor:** Oregon Wildlife Heritage Foundation  
**Sport/Commercial:** Sport  
**Enhancement/Restoration:** Enhancement  
**Funds Requested:** \$10,200  
**Total Project Cost:** \$45,350

**Match:**

Safeway Foundation	\$7,850
Oregon Community Foundation	\$10,000
Oregon Wildlife Heritage Foundation	\$10,000
Dussin Family Charitable Trust	\$7,500
<b>Total Match:</b>	<b>\$35,150</b>

**Description:** This project will fund staff, rental, and supply costs associated with the Camp Angelos Youth Fishing Camp. The camp is a one-week resident camp for 80 boys and girls ages 9-14. The camp will include daily meals, lodging, all equipment and professional instruction from volunteers provided by the ODFW, the Association of Northwest Steelheaders, and the Oregon Bass and Panfish Club. Campers will experience a variety of fishing related activities and projects throughout the week.

**Board Discussion:** The Board complemented the sponsor on the idea of the camp and thought this was an effective way to educate inner-city youth about angling. The Board also liked that each camper received their own rod and reel to keep and take home after completing camp.

**Board Vote:** 7-0