

# Restoration Grants Approved for Funding by the OWEB Board March 16, 2006

## *Funds Subject to final Staff Review*

Application #	Applicant	Region	County	Estimated Amount Approved	Project Type	Project Summary
z206-380	Baker Valley SWCD	5	Baker	\$67,701.00	Restoration	Watershed conditions on upland rangeland and riparian areas will be improved by treating 500 acres of juniper, seeding 500 acres and developing two springs. Landowners will have completed grazing management plans and follows NRCS specifications. Watershed benefits include improved vegetative conditions, increased soil conditions and improved water quality. OWEB funds are requested for project management/engineering (7%), juniper control (52%), fencing (7%), seed (20%), spring development (6%) and administration (7%). Landowners, NRCS and Baker SWCD are cost-share partners.
z206-270	Benton County Public Works	1	Benton	\$85,400.00	Restoration	Two perched, undersized fish passage barrier culverts in the upper Alsea River basin will be removed and replaced if this application is funded. All but \$2,650 of the requested OWEB funds are budgeted for culvert materials and actual installation costs.
z206-309	Marys River WSC	3	Benton	\$109,390.00	Restoration	This project proposes to correct impaired fish passage at four stream crossings in the Woods Creek sub-watershed. The existing culverts will be replaced with oversized, countersunk pipe-arch culverts providing access to over 18 miles of good, cutthroat trout habitat. The Woods Creek subwatershed has been identified by ODFW as one of their highest priority basins for cutthroat. OWEB funds will be used for pre-implementation costs, personnel, contracted services, supplies/materials, education/outreach and administration.
z206-321	Greenbelt Land Trust	3	Benton	\$44,594.00	Restoration	This project proposes to restore oak woodland, oak savannah habitats by removing non-native, invasive plant species by mechanical and chemical applications, reintroducing a fire regime, and planting a diverse native vegetative community. OWEB funds will be used for pre-implementation costs, personnel, contracted services, supplies/materials, education/outreach, equipment, administration and monitoring.
z206-300	Mathew Yodis	3	Clackamas	\$95,760.00	Restoration	This project proposes to replace two private drive culvert barriers with bridges, replace a water diversion structure and create a .25 acre wetland. The project is part of a multi-agency effort to restore the entire Holcomb Creek/Potter Creek watershed to re-introduce lower Columbia threatened steelhead, lower Columbia threatened coho, anadromous and resident cutthroat trout and pacific and brook lamprey. This project will open approximately .52 miles of upstream habitat. OWEB funds will be used for pre-implementation costs, personnel, contracted services, supplies/materials, equipment and administration.
z206-301	Ron & Helen Saling	3	Clackamas	\$64,763.00	Restoration	This project proposes to remove two existing side by side 48 inch diameter culverts and replace them with a 12 foot (span) x 8 foot (rise) pipe-arch culvert. The project is part of a multi-agency effort to restore the entire Holcomb Creek/Potter Creek watershed to re-introduce lower Columbia threatened steelhead, lower Columbia threatened coho, anadromous and resident cutthroat trout and pacific and brook lamprey. This project will open approximately 0.4 miles of high quality, upstream spawning and rearing habitat. OWEB funds will be used for pre-implementation costs, personnel, contracted services, supplies/materials, equipment, administration and monitoring.
z206-302	Clackamas River Basin Council	3	Clackamas	\$92,128.00	Restoration	This project will enhance in-stream and riparian habitat at multiple sites, with a minimum of five landowners along a high priority 12 mile reach of Clear Creek. The combined addition of large woody debris and riparian planting will provide long term habitat complexity, water quality benefits, shade and cover for juvenile salmonid rearing, help create habitat diversity through pool formation and gravel accumulation and increase the amount of spawning habitat. OWEB funds will be used for pre-implementation costs, personnel, travel, contracted services, supplies/materials and administration.
z206-310	Clackamas River Basin Council	3	Clackamas	\$94,724.00	Restoration	This project will improve fish passage at three sites for both juvenile and adult salmonids on the mainstem of Clear Creek and Spring Creek, a tributary to Clear Creek. On the mainstem of Clear Creek an abandoned water pipe will be completely removed. At the Spring Creek site, one set of culverts will be completely removed and the stream bed returned to a natural state. At the third site, another set of culverts will be removed and replaced with a full-spanning bridge. All three sites will have riparian and in-stream enhancement. OWEB funds will be used for pre-implementation costs, personnel, travel, contracted services, supplies/materials and administration.

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z206-316	Molalla River Watch Inc	3	Clackamas	\$61,075.00	Restoration	This project will increase habitat complexity in a 2400 foot side channel of the Molalla River. The project will decrease erosion and sediment input and increase habitat complexity in the side channel, through streambank bioengineering and the placement of LWD. The side channel enhancement provides off-channel rearing habitat for juvenile steelhead, chinook, coho, and cutthroat. OWEB funds will be used for pre-implementation costs, personnel, travel, contracted services, supplies/materials, education/outreach and administration.
z206-274	Skipanon River WSC	1	Clatsop	\$60,021.00	Restoration	This project will create one acre of off-channel rearing habitat for salmonids as well as reconnect the Skipanon River to its floodplain by breaching the historic dikes in four places over a several hundred-yard reach. Large wood structures will also be placed into the wetlands. Of the requested OWEB funds 58% are budgeted for dike breach and spoil removal and distribution. Another 25% is budgeted for pre-implementation activities (surveys, design/engineering and permitting).
z206-269	Upper Nehalem WSC	1	Columbia	\$112,764.00	Restoration	This multiple component project addresses roughly 4 miles of Elk Creek, a tributary of the East Fork Nehalem River. Two fish passage barrier culverts would be improved, one by replacement with a bridge, the other by backwatering the outlet pool by placement of boulders and large wood structures at the downstream end of the pool. In addition, 85 logs will be placed in-stream at 15 different locations and 1,600 foot of riparian area will be spot-planted with native trees and shrubs. Of the requested OWEB funds 62% are budgeted for the bridge replacement while 20% is budgeted for the large wood and boulder placements.
z206-313	Scappoose Bay WSC	3	Columbia	\$62,725.00	Restoration	This project proposes to replace an existing, undersized culvert with an oversized countersunk twelve ft. diameter round corrugated metal culvert on an unnamed tributary of Raymond Creek. Additional work includes in-stream large woody debris placement and riparian planting. Correcting this fish passage barrier will create about .5 mile of upstream spawning and rearing habitat for listed steelhead and Coho salmon as well as cutthroat trout. OWEB funds will be used for pre-implementation costs, personnel, travel, contracted services, equipment, administration and monitoring.
z206-283	Tenmile Lakes Basin Partnership	2	Coos	\$257,792.00	Restoration	This project proposes to implement approximately six miles of exclusion fencing and associated riparian plantings and five bank erosion control projects within the seven Tenmile high priority subbasins.
z206-291	Oregon Trout	2	Coos	\$150,000.00	Restoration	The project proposes to restore Lowe Creek from its current ditched channel to a meandering channel in the lower portion which runs through 107 acres of former cow pasture, creating significant riparian and wetland habitat for salmonids, waterfowl and amphibians.
z206-292	Coos Watershed Association	2	Coos	\$72,389.00	Restoration	This project proposes to expand the ongoing instream restoration efforts in the Elliott State Forest. Seventeen large wood structures comprised of 15 whole Douglas fir trees and 36 Douglas fir logs will be placed in the 1.5 mile reach of Elk Creek.
z206-293	Tenmile Lakes Basin Partnership	2	Coos	\$320,071.00	Restoration	The project proposes to correct twelve stream crossing and improve anadromous and resident fish access to approximately 23 miles of spawning and rearing habitats as well as remove approximately 652 cubic yards of perched sediment from these high priority stream crossings.
z206-294	Coquille Watershed Association	2	Coos	\$56,745.00	Restoration	This project proposes to improve approximately 1 mile of habitat within Hall Creek and .5 mile of habitat in the North Fork Coquille through addition of large wood and boulders with the goals of increasing stream complexity, accumulating spawning gravel and increasing pool habitat.
z206-295	Coquille Watershed Association	2	Coos	\$153,750.00	Restoration	This project proposes to enhance approximately seven miles of riparian area within the Coquille Watershed. This will be accomplished through fencing livestock from streams, creating off-channel stock watering systems and planting the fenced areas with native tree and shrub species.
z206-296	Coquille Watershed Association	2	Coos	\$35,690.00	Restoration	This project proposes to finish a three year project intending to improve over-wintering habitat for juvenile salmonids. The project will enhance approximately three acres of wetland pasture to allow access for juvenile salmonids and other wetland dependant species.
z206-323	Crooked River Weed Management Area	4	Crook	\$33,360.00	Restoration	This project will address noxious weed control with 19 major landowners within the upper Crooked River watershed by coordinating weed control activities between private and public entities and the rehabilitation of treated sites.
z206-326	Crooked River WSC	4	Crook	\$69,950.00	Restoration	This project would remove berms, slope streambanks, install juniper riprap, place fish habitat structures to create habitat complexity, re-vegetate treated areas with woody species, develop a grazing management plan and treat noxious weeds on one mile of McKay Creek. When completed, this project will be part of eight contiguous miles of stream restoration.

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z206-327	Crooked River WSC	4	Crook	\$190,500.00	Restoration	This project will restore wetland and riparian function to two miles of the Crooked River just west of Prineville. It will remove berms, reconnect the floodplain, construct about 10 acres of total wetlands within the project area and restore native vegetation by planting native material and treating noxious weeds in the project area.
z206-279	Douglas SWCD	2	Douglas	\$42,723.00	Restoration	The project proposes to restore 73 acres of drained agricultural land and restore it to its historical wetland, wet meadow and upland habitat conditions. Drain tiles will be removed, shallow water areas will be created and native vegetation will be reestablished.
z206-280	Douglas SWCD	2	Douglas	\$33,182.00	Restoration	The project proposes to enhance a 320 acre property in the Deer Creek drainage, a tributary to the South Umpqua River. Currently the property is managed for livestock production. Project activities include riparian fencing, riparian planting, stock water development and placement of two stream crossings.
z206-282	Douglas SWCD	2	Douglas	\$60,194.00	Restoration	The project proposes to improve habitat and water quality through the exclusion of livestock from and the restoration of riparian vegetation along 1.2 miles of North Myrtle Creek. Bioengineering techniques will be used to address excessive stream bank erosion at six sites.
z206-284	Elk Creek WSC	2	Douglas	\$82,106.00	Restoration	This project seeks additional funding from OWEB for the Dodge Canyon Culvert Replacement Project (206-162). The additional funds are needed to fill a shortfall between the budget estimates in the original proposal and the engineer's cost estimates based on completed project design. The project proposes to replace four culverts blocking fish passage on two tributaries of Elk Creek in the Umpqua Basin.
z206-286	Partnership for the Umpqua Rivers	2	Douglas	\$194,864.00	Restoration	The project proposes to replace seven high priority culverts (as identified in the UBWC Watershed Assessments) that impede fish passage. This project opens up 16.5 miles of habitat for anadromous and resident native fish species in the Umpqua Basin.
z206-289	Oregon Wildlife Heritage Foundation	2	Douglas	\$100,000.00	Restoration	This project proposes to help implement the treatment phase of Diamond Lake by helping to support the purchase and application of rotenone to the lake to eradicate tui chub and improve water quality and recreational use of the lake.
z206-346	North Fork John Day WSC	5	Grant	\$66,034.00	Restoration	Located near Kimberly, a rotational grazing system will be improved by the installing a well, 7,000 feet of pipe, six troughs, three miles of cross-fencing, 90 acres of reseeded and removal of an old fence which is a wildlife barrier. In addition, this project complements a recent three mile riparian CREP buffer and 11 previously installed troughs. Watershed benefits include improved range and watershed conditions, improved riparian vegetation and improve water sources for livestock and wildlife. OWEB funds are requested for project management (2%), contracted services (31%), materials- fencing, troughs, pipe (58%) and administration (9%) and monitoring (1%). Cost-share partners include the landowner, North Fork John Day WSC and ODFW.
z206-371	Monument SWCD	5	Grant	\$43,339.00	Restoration	Monument SWCD proposes to treat 415 acres of juniper on two different landowners in both the Cottonwood and Johnny Creek basins. At both sites encroaching juniper are changing the ecological function. Watershed benefits include improved infiltration, improved upland vegetation conditions and improved species composition. OWEB funds are requested for project management (2%), juniper removal (82%), range seeding (5%), administration (9%) and monitoring (2%). Cost-share partners are the landowners and ODFW.
z206-376	Grant SWCD	5	Grant	\$174,986.00	Restoration	Located near Granite, this project will redistribute 220,000 cubic yards of historic dredge tailing over 2-3 years. The floodplain will be reshaped to create connectivity and a natural stream function. Watershed benefits include improved water quality, improved fish habitat, reduced erosive stream velocities and will promote vegetative recovery. OWEB funds are requested for personnel (13%), equipment rental (86%), mobilization (1%). Cost-share partners are the USFS, NOAA and Title II.
z206-357	Harney SWCD	5	Harney	\$55,000.00	Restoration	Located in the Drewsey Valley, this project will rehabilitate several severely downcut and eroding sections of the Malheur River. Project components include J-hook vanes, bank sloping, revegetation, and buffer fencing. Watershed benefits include improved fish habitat, streambank stabilization and water quality. OWEB funds are requested for excavation (29%), J-hook (41%), rock (13%), vegetation (8%), fencing (5%) and administration (4%). Cost-share partners include US Fish and Wildlife Service (USFWS), the landowners and FSA.

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z206-358	Harney SWCD	5	Harney	\$41,128.00	Restoration	The 14,162 acre Upton Allotment in Harney County will be divided into three pastures to improve upland vegetation, improve distribution, use and watershed function. Project components include a stockwater well, three spring developments 10,000 gallon storage tanks and 23,760 feet of pipeline. OWEB funds are requested for project management (3%), well (12%), spring developments (12%), tank (12%), pipeline (53%) and administration (8%). Cost-share partners are BLM, Otis Valley Ranch and Harney SWCD.
z206-288	Bear Creek WSC	2	Jackson	\$19,255.00	Restoration	This project proposes to retrofit an irrigation diversion on lower Ashland Creek in the Bear Creek watershed to facilitate adult and juvenile fish passage.
z206-290	City of Gold Hill	2	Jackson	\$541,500.00	Restoration	The projects seeks to secure additional funds from OWEB for the removal of Gold Hill Dam (204-194), the second highest ranked fish passage barrier on the Rogue River. Additional OWEB funding is requested to replace the Army Corps of Engineers (ACOE) commitment which was removed at the Congressional level despite the high priority placed on it by the ACOE Portland District. The Congressional action was a blanket one which affected ACOE 206 projects throughout the nation.
z206-337	Upper Deschutes WSC	4	Jefferson	\$66,760.00	Restoration	This project will remove a pond, concrete fish barriers, restore sinuosity, wetlands and riparian conditions on 725 feet of Lake Creek (a tributary to the Metolius River) to improve bull trout habitat and conditions for the re-introduction of chinook and sockeye salmon.
z206-285	Applegate River WSC	2	Josephine	\$16,406.00	Restoration	The project proposes to add large wood to Murphy Creek to increase rearing and spawning habitat, as well as improve pool temperatures and hiding refugia, for existing populations of coho salmon and steelhead trout.
z206-324	Klamath WSC	4	Klamath	\$28,782.00	Restoration	The landowner has a water right for 1,925 acre feet of water which he uses to flood irrigate pasture adjacent to the Sprague River. This project would install gated pipe to reduce ditch seepage loses that should reduce the amount of water needed by approximately 40 percent.
z206-328	The Nature Conservancy	4	Klamath	\$2,000,000.00	Restoration	This project would restore 5,600 acres of riparian and wetland habitats at the Williamson River Delta on Upper Klamath Lake. Large levees will be removed, reconnecting the lake with the delta and restoring habitat for the Lost River and Shortnose sucker fish (ESA listed species).
z206-338	River Design Group Inc	4	Klamath	\$150,000.00	Restoration	This project would plug two avulsion channels that capture 40% of the flow of the Sprague River adding energy to the river, disconnecting it from its floodplain, de-stabilizing river banks and constraining the establishment of riparian vegetation. The project will restore historical river meanders to slow the river down, deposit sediment and re-connect high flows to the floodplain.
z206-271	Siuslaw WSC	1	Lane	\$46,325.00	Restoration	This project will replace an undersized fish passage barrier culvert on Elk Creek, a tributary of Indian Creek, a high priority coho stream in the Siuslaw River basin. Of the requested OWEB funds 84% are budgeted for culvert materials and installation.
z206-276	Siuslaw WSC	1	Lane	\$47,933.00	Restoration	Three culverts in the upper Wildcat Creek sub-basin of the Siuslaw River will be removed and one will be replaced if this application is funded. In addition, large wood structures will be placed in 25 in-stream sites in upper Wildcat Creek. Of the requested OWEB funds 76% are budgeted to culvert removal and replacement activities, including the purchase of one culvert. The large wood component is budgeted for 15% of the OWEB funds.
z206-298	Middle Fork Willamette WSC	3	Lane	\$152,238.00	Restoration	The project is Phase 2 to restore riparian forest vegetation on 27 acres of land that is located on the confluence of Lost Creek and the Middle Fork Willamette River in Elijah Bristow State Park. The project will restore connectivity to the riparian forest corridor, improve habitat for rare and federally listed aquatic species, including spring chinook and state-listed terrestrial species and serve as a public demonstration project. OWEB funds will be used for travel, contracted services, equipment, administration and monitoring.
z206-312	City of Eugene	3	Lane	\$29,500.00	Restoration	This project will implement the final phase of restoration at the 77 acre site in West Eugene Wetlands. This proposal will improve five acres of native prairie vegetation, improve soil stability, support stream channel and riparian complexity and provide habitat for native birds, plants, butterflies and the western pond turtle. OWEB funds will be used for personnel, contracted services, and supplies/materials.
z206-315	East Lane SWCD	3	Lane	\$111,113.00	Restoration	This project will restore 148 acres of farmland to its historical habitat condition including seasonal and permanent wetlands, wet prairie, riparian forest and upland oak savanna. This project will improve water quality and fish and wildlife habitat. OWEB funds will be used for personnel, travel, contracted services, supplies/materials, administration and monitoring.

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z206-266	MidCoast WSC	1	Lincoln	\$26,109.00	Restoration	An undersized and aging culvert in Young Creek, a tributary of the Yaquina River, currently presenting a complete barrier to juvenile fish passage due to a two foot drop at the outfall will be removed and replaced with one correctly sized for the stream. Large wood structures will also be placed in-stream in two sites downstream of the culvert location. Of the requested OWEB funds 52% are budgeted for the culvert replacement and 26% are budgeted for the large wood structures.
z206-275	MidCoast WSC	1	Lincoln	\$94,270.00	Restoration	A heavy-lift helicopter will be used to place 68 whole large (100 foot plus) trees (minus root wads) into Rock Creek, a major tributary of the Devil's Lake system in northern Lincoln County. Approximately 87% of the requested OWEB funds are budgeted for helicopter move-in and flight time.
z206-318	Linn County Road Dept	3	Linn	\$159,595.00	Restoration	This project will correct three fish passage barriers on Brush Creek, a tributary to the Calapooia River. This will create approximately 22 miles of upstream spawning and rearing habitat for steelhead, chinook and cutthroat trout. OWEB funds will be used for pre-implementation costs, personnel, travel, contracted services and supplies/materials.
z206-320	South Santiam WSC	3	Linn	\$37,052.00	Restoration	This project will inventory and treat severe Japanese knotweed infestations on Crabtree and Thomas Creeks, tributaries to the South Fork Santiam River. Native riparian vegetation will be re-established where knotweed has been eradicated. This will improve water quality and fish and wildlife habitat. OWEB funds will be used for contracted services, supplies/materials, administration and monitoring.
z206-362	Owyhee WSC	5	Malheur	\$317,858.00	Restoration	Located near Adrian, the project proposes to install 25,500 feet of PVC in two irrigation laterals and 4 settling ponds. The laterals serve five local farms on 460 acres. Watershed benefits include improved water quality, reduced chemical and sediment inputs and improved wildlife habitat. OWEB funds are requested for SWCD personnel/engineering (5%), PVC (61%), materials (21%), flow meters (8%) and administration (3%). Cost-share partners include BOR, South Board of Control, OWC and Malheur SWCD.
z206-366	Malheur WSC	5	Malheur	\$39,705.00	Restoration	Located near Willow Creek in Malheur County, this project will install two pumpback systems to eliminate irrigation return flow. Both ponds will be approximately 40 feet wide and 9 feet deep and sloped to 3:1 and a 10 HP pump will bring the tailwater back for re-use in the field. Water quality benefits include improved reduced nutrients, sediment and bacteria. OWEB funds are requested for engineering/project management (10%), pond construction (20%), materials (65%) and administration (5%). Cost-share partners are the two landowners.
z206-369	Malheur SWCD	5	Malheur	\$50,160.00	Restoration	Located near Willow Creek in Malheur County, this project proposes to install a two pond pumpback system which will collect and transport tailwater to be reused on four fields totaling 42 acres. Irrigation ditches will be converted from open earthen ditches to gated pipe. Watershed benefits include improved water quality, reduced E. coli transport and improved wildlife habitat with 300 willow and cottonwood plantings. OWEB funds are requested for project management/engineering (8%), pumpback pond construction (12%), materials (culverts, PVC, plants, rock) (71%) and administration (9%).
z206-377	Malheur WSC	5	Malheur	\$32,471.00	Restoration	Surrounded on three sides by the Malheur River, this project near Ontario will convert 60 acres from flood to sprinkler by installing a center pivot and replace earthen ditches with 1,440 feet of buried mainline. Project implementation will result in virtually zero runoff, no water loss from evaporation and a significant reduction in soil erosion. OWEB funds are requested for engineering/project management (12%), contracted services (31%), materials (52%) and administration (5%).
z206-365	Morrow SWCD	5	Morrow	\$55,300.00	Restoration	This project will create fish passage over an abandoned irrigation dam, which is the lowest barrier to Mid-Columbia steelhead on Willow Creek in Morrow County. Willow Creek is historically a steelhead stream. Watershed benefits include improved water quality, fish passage for ESA-listed steelhead and improved riparian vegetation. OWEB funds are requested for contracted services and equipment rental (41%), materials (rock and geotextile) (50%) and administration (9%). The landowner is the cost-share partner.
z206-351	Grande Ronde Model WS Program	5	Multiple	\$99,000.00	Restoration	This project will provide immediate available funding to replace, repair or enhance stream crossings and forest roads within 300 feet of stream crossings in various locations in northeast Oregon. Work will be done on fish-bearing streams as identified by ODFW to directly improve water quality, fish passage and fish habitat. Project components include culverts, road crossings, bridges and rock dips. OWEB funds are requested for stream crossings (61%), materials (rock and culverts) (30%) and administration (9%). Cost-share partners include ODF, BPA and the landowners.

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z206-305	City of Portland Parks-Nature Division	3	Multnomah	\$35,075.00	Restoration	This project proposes to restore 1.5 acres of native wetland habitat at Oaks Bottom Wildlife to benefit avian, amphibian and aquatic invertebrate species. The wetland will be restored through enhanced excavation and grading and planted with native vegetation. OWEB funds will be used for pre-implementation costs, personnel, supplies/materials, education/outreach and administration.
z206-308	Columbia Slough WSC	3	Multnomah	\$150,758.00	Restoration	This project proposes to restore access to historic off-channel habitat for juvenile salmon in the lower Columbia Slough, while simultaneously restoring tidal connections and improving water quality and habitat for aquatic and terrestrial wildlife in a forested wetland of approximately five acres. The project will principally restore hydrologic connectivity and ecological function in the Lower Columbia Slough to benefit federally listed Willamette River and Columbia River salmon, and benefit other native fish and wildlife habitat. OWEB funds will be used for pre-implementation costs, personnel, administration and monitoring.
z206-314	Johnson Creek WSC	3	Multnomah	\$65,171.00	Restoration	This project proposes to remove an existing dam and culvert structures then reconstruct a 400 foot section new stream channel to allow for fish passage to approximately .5 mile of upstream spawning and rearing habitat, for cutthroat trout, listed steelhead, and coho salmon. The new stream channel will have large woody debris and boulder structures installed for increased habitat complexity. The area will be planted with native vegetation. OWEB funds will be used for personnel, travel, contracted services, supplies/materials, education/outreach, administration and monitoring.
z206-317	Luckiamute WSC	3	Polk	\$20,625.00	Restoration	This project proposes to increase winter rearing habitat complexity for federally listed juvenile winter steelhead and spring chinook by placing large boulder structures in the channel and planting the riparian area with native vegetation. OWEB funds will be used for personnel, contracted services, supplies/materials, education/outreach, equipment and administration.
z206-336	N Sherman/Grass Valley WSCs	4	Sherman	\$102,074.00	Restoration	This project would help offset the additional input cost of converting wheat tilling practices in Sherman County to direct seed/no-till on nine different sites which total 3,888 acres. This change in tillage practice can reduce erosion by up to 90 percent.
z206-263	Tillamook Estuaries Partnership	1	Tillamook	\$54,274.00	Restoration	A 30 foot high dam that currently completely blocks fish passage to a mile of habitat will be removed and large wood structures will be placed in-stream through a 1,000 foot reach below the current dam site when this project is implemented. Roughly 50% of the requested OWEB funds are budgeted for dam removal while another 33% is budgeted for log and boulder placement activities.
z206-264	Tillamook Estuaries Partnership	1	Tillamook	\$31,000.00	Restoration	This project would continue the Tillamook Estuary Partnership's volunteer Backyard Planting Program, a program that works with small acreage landowners to eradicate noxious weeds and plant native trees and shrubs in the riparian zones of the different waterways of Tillamook County. The program's target is to plant 4 miles of riparian area each year. Of the requested OWEB funds 73% are budgeted for site preparation and planting activities.
z206-267	Tillamook Bay WSC	1	Tillamook	\$49,500.00	Restoration	This project will use a helicopter to place 100 large logs at 20 sites in the channel and floodplain of Elliot Creek, a tributary of the Devils Lake Fork of the Wilson River. Of the requested OWEB funds 97% are budgeted for helicopter flight time.
z206-272	Lower Nehalem Community Trust	1	Tillamook	\$23,096.00	Restoration	The applicant will restore and enhance both salt marsh (3 acres) and fresh water wetlands (2.5 acres) and plant approximately 1,000 native trees on a property adjacent to the Nehalem River estuary. Of the requested OWEB funds 83% are budgeted for wetland enhancement and 12% allocated for planting and stump (lwd) placement activities.
z206-343	Umatilla SWCD	5	Umatilla	\$65,412.00	Restoration	Located near Ukiah, eight springs will be developed and three miles of cross fence installed to create four management pastures on 840 acres. The project is located in a significant big game wintering habitat. Watershed benefits include improved upland vegetation, big game habitat and water opportunities for livestock and wildlife. OWEB funds are requested for project management (4%), spring & water developments (43%), cross fence (42%), administration (9%) and monitoring (1%). Cost-share partners include NRCS and the landowners.
z206-347	North Fork John Day WSC	5	Umatilla	\$17,875.00	Restoration	Dikes will be removed along both sides of a .25 mile stretch of Camas Creek near Ukiah. The bank will be reshaped to restore stream/floodplain connectivity and five Rosgen style "J" hooks used to encourage meander formation. The project will improve fisheries habitat and hydrologic function. OWEB funds are requested for project management (8%), equipment rental (49%), boulders/plants (34%) and administration (9%). Cost-share partners include NOAA and Confederated Tribes of the Umatilla Indian Reservation (CTUIR).

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z206-349	Walla Walla Basin WSC	5	Umatilla	\$41,527.00	Restoration	Located near Milton-Freewater, this project proposes to restore a .5 mile reach of Cottonwood Creek with five cross-vanes, four large wood debris jams, two rootwad revetments, 275 feet of reconstructed channel, two pff-stream livestock water developments, riparian fencing and planting. Watershed benefits include increased production of ESA-listed summer steelhead and redband trout. OWEB funds are requested for permits (1%), contracted services/equipment rental (34%), materials (boulders, rootwads, fencing) (56%), and administration (9%). Cost share partners include CTUIR, ODFW, the landowner and Walla Walla Basin WSC.
z206-352	Walla Walla Basin WSC	5	Umatilla	\$34,890.00	Restoration	Located near Milton-Freewater on the Walla Walla River, an annually constructed push-up dam will be replaced with an inverted rock vortex weir and an automated headgate installed at the point of diversion (POD) to improve water control. Fish passage and habitat will be improved for spring chinook, steelhead redband trout and lamprey. OWEB funds are requested for project management (4%), contracted services (25%), materials (rock, gate) (61%), administration (9%) and monitoring (1%). Cost-share partners include Walla Walla Watershed Alliance, ODFW, WWBWC, irrigation districts and CTUIR.
z206-363	Walla Walla Basin WSC	5	Umatilla	\$211,925.00	Restoration	The Hudson Bay Aquifer project near Milton-Freewater is designed to significantly increase the volume of water being restored to the aquifer-spring system during the remaining two years of the limited license. Monitoring and analysis will be expanded to specifically address the fundamental questions regarding recharge influence on restoring the aquifer, surface flow and improving water quality. Watershed benefits include improved late-season flow, reduced stream temperature and improved fish habitat. OWEB funds are requested for personnel (30%), modeling/mapping (21%), site expansion (31%), educational outreach (2%), equipment (7%) and administration (9%). Cost-share partners include Walla Walla Watershed Planning, Hudson Bay Irrigation District, OWRD, WWBWC, DEQ and OSU.
z206-373	Umatilla Basin WSC	5	Umatilla	\$48,560.00	Restoration	Located near Echo, this project will install five J-hook vanes, bank sloping, erosion control and vegetation planting. Following the bank stabilization, the area will be enrolled in CREP and a riparian buffer planted. Watershed benefits include improved water quality, improved riparian vegetation and reduced sediment transport. OWEB funds are requested for engineering (13%), project management (6%), excavator (25%), fish salvage (4%), materials (42%), administration (9%) and monitoring (1%). Cost-share partners are ODFW, CTUIR, landowner, NRCS, Umatilla Basin Watershed Foundation and USFWS.
z206-378	Umatilla SWCD	5	Umatilla	\$103,280.00	Restoration	The applicant proposes to help control weeds in Umatilla County by providing an incentive program and demonstration of the WeedSeeker® technology. The incentive program will provide cost-share assistance at \$10/acre on 8,000 acres on chemical fallow (no-till or direct-seed system fallow). Watershed benefits are improved water quality and reduced erosion. OWEB funds are requested for project management (10%), incentive payment (77%), materials (3%), administration (9%) and monitoring (1%). Cost-share partners are Umatilla SWCD, OSU Extension, NRCS, ODA and the landowners.
z206-341	Union SWCD	5	Union	\$105,333.00	Restoration	This project seeks to build seven ponds on five different landowners in the Starkey area to provide off-stream water for livestock and wildlife. A portion of the project was previously funded. The ponds will help to improve upland conditions and water quality by attracting livestock away from riparian area as well as provide late-season water for fire fighting. OWEB funds are requested for survey/design (9%), earthwork/equipment rental (81%), administration (9%) and monitoring (1%). The landowners will provide cash cost-share and the Union SWCD will provide in-kind.
z206-342	Union SWCD	5	Union	\$45,712.00	Restoration	Located near Ladd Marsh Wildlife area south of La Grande, this proposal will create shelterbelts along perennial warm water springs that are the headwaters of Gekeler Slough headwaters and eventually flow into the Grande Ronde. The applicant is proposing to reconnect the springs to the natural drainage, create wildlife pockets and riparian cover, construct exclusion fencing around the springs and a livestock watering facility. Watershed objectives include improved water quality, provide livestock nesting and wintering habitat and reduce wind erosion and sediment transfer. OWEB funds are requested for project management (2%), excavation (18%), tree planting/fencing contractors (11%), pipe (53%), fencing (16%), plants (8%) and administration (9%). Cost-share partners include the landowners.

*Funds Subject to final Staff Review*

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z206-350	Grande Ronde Model WS Program	5	Union	\$81,793.00	Restoration	Located near La Grande, this project proposes to restore near historic channel configuration and hydrology by construction 6.1 miles of new channel and replace 3.3 miles of ditches. The project will promote natural, stable channels and instream habitat diversity, improve water quality, increase groundwater storage, improve wetland habitat and increase rearing habitat for anadromous fisheries. OWEB funds are requested for channel reconstruction (72%), channel reclamation (12%), vegetation (7%) and administration (9%). Cost-share partners include BPA, Union County, PCSRF, ODFW, CTUIR, ODOT and Blue Mountain Pacific RR Trust.
z206-344	Wallowa Resources	5	Wallowa	\$68,885.00	Restoration	This project will help to protect the ecological and economic values of Hells Canyon grasslands in northeast Oregon from invasion and degradation of noxious weeds. Approximately 870 acres will be treated with herbicides and seed and grasses will be planted in very remote areas using backcountry travel. Watershed benefits included maintenance of ecological integrity of the unique Hells Canyon plant community. OWEB funds are requested for labor/mileage (16%), restoration (12%), treatments (57%), back country travel (4%), administration/monitoring (9%) and monitoring (2%). Cost-share partners include BLM, USFS, Wallowa Resources, TNC, the landowners and Wallowa County.
z206-348	Nez Perce Tribe	5	Wallowa	\$41,204.00	Restoration	A fish passage barrier to all life stages will be replaced with an open-bottom arch culvert that will reopen 3.5 miles of Mahogany Creek near Imnaha. Riparian conditions will improve after the culvert installation. Watershed benefits include improved habitat complexity, increased access to refugia and improved water quality. OWEB funds are requested for project management (3%), equipment rental/contracted services (83%), materials (6%), administration (4%) and monitoring (4%). Cost-share partners include USFS, Grande Ronde Model Watershed and the Nez Perce Tribe.
z206-355	Wallowa SWCD	5	Wallowa	\$11,340.00	Restoration	This project near Lostine will replace a 4,800 feet of earthen ditch with a 4,800 foot PVC pipe, install a water-control structure and flow meter, install 3,000 feet of PVC pipe to service sprinklers and convert flood irrigation to sprinkler/drip. Project implementation will help to increase flows to the Lostine River, reduce sediment delivery and improve water quality and upland conditions. OWEB funds are requested for project management (13%), pipe (78%), administration (7%) and monitoring (2%). Cost-share partners include Environmental Quality Incentives Program (EQIP) and the landowner.
z206-322	Wasco SWCD	4	Wasco	\$19,615.00	Restoration	This project would construct a bridge over Upper Eightmile Creek thus eliminating a grade level crossing. This reach of the creek has very high winter steelhead spawning and rearing densities (ESU listed as Threatened).
z206-332	Wasco SWCD	4	Wasco	\$8,825.00	Restoration	This project would construct four water and sediment catchment basins (wascobs) on three gullies that deliver water to Bakeoven Creek during periods of high runoff events. These basins take the peak flows off major storm events and capture sediment, thus reducing the negative water quality impacts of these events on fish bearing streams.
z206-333	Wasco SWCD	4	Wasco	\$39,074.00	Restoration	This project would fence off 4,000 feet of Bakeoven Creek from livestock access, develop two livestock watering sources with piping and troughs and construct two water and sediment catchment basins.
z206-359	Wheeler SWCD	5	Wheeler	\$118,558.00	Restoration	Located on Bridge Creek near Mitchell, this project will replace a push-up dam diversion that creates a seasonal disturbance and is an impediment to fish passage. Project components include a low-maintenance fish friendly sheet-piling diversion, replacing 12,000 feet of open ditch with pipe and converting flood irrigation to sprinkler. Watershed benefits include improved fish passage and habitat and water quality. OWEB funds are requested for project management/engineering (6%), equipment rental/contracted services (16%), materials-pipe, flume, tanks, headgates (72%) and administration (6%). Cost-share partners include NRCS, ODFW, BPA and the landowner.
z206-360	Wheeler SWCD	5	Wheeler	\$34,370.00	Restoration	Located near Mitchell, this project replaces a push-up diversion system on Mountain Creek, that creates a seasonal disturbance and impedes fish passage, with a low-maintenance fish friendly sheet piling diversion. Other components include converting 800' of open-earth ditch to pipe and installation of a fish screen by ODFW. Watershed benefits include improved fish passage and habitat and water quality. OWEB funds are requested for project management/engineering (15%), equipment rental (16%), materials (pipe, flume, headgates) (63%) and administration (7%). Cost-share partners include USFWS and landowner.

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Application #	Applicant	Region	County	Estimated Amount Approved	Project Type	Project Summary
z206-361	Wheeler SWCD	5	Wheeler	\$37,387.00	Restoration	This project is located on Butte Creek near Fossil. Components include consolidating three irrigation pumps into two, installing a NOAA self-cleaning fish screen on the two pumps, replacing two push-up dam diversions with a driving sheet-piling diversion and installing 6,700 feet of PVC mainline. Watershed benefits include improved fish passage and habitat and water quality. OWEB funds are requested for project management/engineering (11%), equipment rental (35%), materials (steel, PVC, sheet piling) (45%) and administration (9%). Cost-share partners include NRCS and landowner.
			<b>Total</b>	<b>\$8,973,318.00</b>		