

# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Low-Tech Tributary Restoration Planning and Design	<a href="#">22-1338</a>	Wild Salmon Center	Planning	20 - Soleduc	Clallam	This project will identify priority areas for potential low-tech restoration actions across a broad area (WRIA 20) and complete conceptual designs at a subset of field verified locations in a focus watershed (Calawah). The long-term goal of this project is to use low-tech methods that reintroduce wood into the channel (via beaver dam analogs, post assisted log structures, and/or direct incorporation of riparian trees into channels) to improve salmonid spawning and rearing habitat quality by increasing habitat complexity, water quality and quantity, sediment storage, and floodplain connectivity in tributary channels across WRIA 20. This current planning and design proposal is a necessary step to efficiently move towards implementation in high priority areas. Economically, this planning proposal will directly support 3.5 local restoration jobs but also work towards expanding future implementation projects across a large area. Ecologically, this project is primarily focused on species that collectively use tributary channels year-round for spawning and rearing: coho, Chinook, steelhead, and resident (rainbow and cutthroat) trout. This project will use a GIS wood placement model to identify high priority areas for low-tech restoration methods in tributary channels throughout WRIA 20. Modeling results will be field verified at 25-35 miles of high priority stream within the Calawah watershed and conceptual designs will be developed for 7-10 miles of tributary stream.	Rubin, Alice	\$330,708	\$26,000	\$356,708

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CWCC Fish Barrier Removals - Quillayute Basin	<a href="#">24-1196</a>	Wild Salmon Center	Planning	20 - Soleduc	Clallam	This project includes design objectives that will improve the resiliency of salmonid populations and the coastal communities and ecosystems that rely on them. This project will advance correction of high priority fish passage barriers located within the Quillayute basin. The Swanson Creek culvert barrier projects currently block 1.35 miles of anadromous habitat and will include preliminary designs for four culvert replacements on the mainstem Swanson Creek (Channel B & C) on the T-1000 and T-1010 road. The Lower Dickey project area will include the final design for one culvert replacement and a preliminary design for one culvert removal to open a total of 1.13 miles of anadromous habitat. Total upstream gain for all projects is 2.48 miles. The fish species benefiting from these projects include coho, steelhead, sea-run cutthroat, cutthroat, rainbow trout, lamprey, & sculpin.	Ferrell, Alissa	\$563,948	\$0	\$563,948

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Improving Resiliency of the Dickey Watershed	<a href="#">24-1209</a>	Wild Salmon Center	Planning & Restoration	20 - Soleduc	Clallam	Early field reconnaissance identified restoration potential of sites developed more than 30 years ago by Washington Department of Fish and Wildlife where over 50 off-channel habitat sites throughout the Peninsula were enhanced to benefit overwintering coho juveniles. Using the best available science at the time, they removed beaver dams that were forming forested wetlands and replaced them with plank weirs and roughened channels, and even excavated or blasted sites to deepen some wetlands. Today, many of the structures are deteriorating or outdated, and in many cases are now fish passage barriers. This project seeks to address a portion of the previously developed sites where there is an opportunity to remove the artificial structures and restore natural processes using low-tech, process-based restoration methods. In addition to restoration work, we will conduct an assessment and prioritization of restoration reaches in the Dickey River basin. The process follows guidelines developed by the Coast Salmon Partnership for Pilot Watershed Restoration (PWR) plan development. Upon completion of the assessment, stakeholders will work to identify watershed-specific goals and impairments to habitat forming processes. The group will then coalesce existing management documents and analyze the geospatial modeling to identify prioritized restoration areas to focus implementation of habitat restoration actions that will establish well-functioning and resilient watershed conditions.	Ferrell, Alissa	\$451,602	\$0	\$451,602

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Lower Bogachiel Restoration Design (PA3)	<a href="#">24-1423</a>	Quileute Tribe	Planning	20 - Soleduc	Clallam	The Lower Bogachiel Restoration Design (PA-3) project is a planning project seeking to advance engineering designs to the preliminary (60%) design stage, including a risk assessment and proposed conditions hydraulic modeling. PA-3 was the highest priority restoration project to be identified in the Bogachiel River Restoration and Resilience Assessment (WCRRRI 20-1004P). PA-3 extends from the State Route 110 bridge upstream to the primary side channel inlet on river left near the confluence with Maxfield Creek (RM 0.75-2.75). The river in this area is dynamic, prone to channel avulsions and rapid channel migration. The 3,000-foot stretch of SR 110 immediately to the east of the bridge is regularly inundated by floodwaters and at risk of severe damage in an avulsion event. The lower Bogachiel River supports all 5 species of salmon and steelhead, but due to anthropogenic impacts suffers from lack or large wood, floodplain disconnection, and warming temperatures. The goals of this project are to advance engineering designs that would increase the quality and quantity of salmon habitat, improve climate resiliency, and improve floodplain connection, as well as to identify options to decrease flood and avulsion risks that threaten SR 110 to present to WSDOT. Throughout the design process, we will utilize a public outreach firm to engage with stakeholders and landowners. PA-3 falls under Projects 2.2.2.3.3 & 2.2.2.3.6 of the North Pacific Coast Lead Entity Recovery Strategy.	Ferrell, Alissa	\$590,932	\$44,902	\$635,834

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Low-Tech Tributary Restoration Planning and Design	<a href="#">24-1497</a>	Wild Salmon Center	Planning	20 - Soleduc	Clallam	This project will identify priority areas for potential low-tech restoration actions across a broad area (WRIA 20) and complete conceptual designs at a subset of field verified locations in a focus watershed (Calawah). The long-term goal of this project is to use low-tech methods that reintroduce wood into the channel (via beaver dam analogs, post assisted log structures, and/or direct incorporation of riparian trees into channels) to improve salmonid spawning and rearing habitat quality by increasing habitat complexity, water quality and quantity, sediment storage, and floodplain connectivity in tributary channels across WRIA 20. This current planning and design proposal is a necessary step to efficiently move towards implementation in high priority areas. Economically, this planning proposal will directly support 3.5 local restoration jobs but also work towards expanding future implementation projects across a large area. Ecologically, this project is primarily focused on species that collectively use tributary channels year-round for spawning and rearing: coho, Chinook, steelhead, and resident (rainbow and cutthroat) trout. This project will use a GIS wood placement model to identify high priority areas for low-tech restoration methods in tributary channels throughout WRIA 20. Modeling results will be field verified at 25-35 miles of high priority stream within the Calawah watershed and conceptual designs will be developed for 7-10 miles of tributary stream.	Ferrell, Alissa	\$330,708	\$26,000	\$356,708

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Pulling Together: Restoration & Resiliency – Ph 6	<a href="#">24-1602</a>	10,000 Years Institute	Restoration	20 - Soleduc, 21 - Queets - 22 - Lower Chehalis	Clallam, Grays Harbor	The Pulling Together in Restoration Project (PTIR) is a landscape-scale Jobs-in-Restoration program working across multiple jurisdictions in three counties to prevent the spread of invasive species in coastal watersheds. Integrating decades of adaptation, PTIR develops cutting-edge methods for effective and safe containment, responds quickly to emerging or untreated needs, and engages in job creation, project development, and community-based education and collaboration to address the challenges of invasive species and their impacts to climate, habitats, natural resource -based industries, salmon recovery, and community resiliency. Climate resiliency through resilient native plant communities providing ecosystem services for aquatic and upland forests, rivers, salmon, and the web of native biota that continues to evolve in this ecoregion is the PTIR goal into the far future.	Ferrell, Alissa	\$1,473,670	\$181,400	\$1,655,070

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Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Damon Creek at Kirkpatrick Road Fish Passage Const	<a href="#">22-1153</a>	Chehalis Basin FTF	Restoration	22 - Lower Chehalis	Grays Harbor	This restoration project is to correct a 33% passable fish passage barrier culvert, #127H0049, at the mouth of Damon Creek at road mile 2.05 on Kirkpatrick Road north of Copalis Crossing, Washington. Damon Creek is in the Lower Humptulips Subbasin, flowing into the lower mainstem Humptulips River at river mile 10.3. The goal is to remove the barrier and replace it with a structure that is passable to all aquatic species and life stages in order to open full migration to 5.82 miles of high-quality spawning and rearing habitat in forestlands upstream. Six species of salmonids present in the Humptulips River will benefit from the improved habitat conditions in Damon Creek including coho, Chinook, chum, steelhead, cutthroat and Bull trout. The project will also improve the existing boat ramp just downstream from the culvert to provide safer, more accessible recreational fishing access in the Humptulips River. The project has been designed and permitted under SRFB grant 19-1184; the current grant proposal, 22-1153, is for the construction phase of the project.	Ferrell, Alissa	\$2,000,000	\$1,224,118	\$3,224,118

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Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
West Fork Hoquiam Dam Removal	<a href="#">22-1155</a>	Hoquiam City of	Planning	22 - Lower Chehalis	Grays Harbor	The proposed project involves planning efforts related to the removal of the City of Hoquiam West Fork Hoquiam Dam and municipal water supply diversion, and development of a replacement groundwater supply well field. The proposed planning effort includes three tasks, Task 1: West Fork Dam Removal Predesign (pre-construction efforts related to dam removal and restoration including 30% design, cost estimates, outreach and developing a permitting plan), Task 2: Groundwater Source Development (hydrogeologic characterization and production well design, installation and testing), and Task 3: Water right permitting support for gaining Department of Ecology approval for authorizing the use of the alternative groundwater supply source. Removal of the dam and diversion would result in benefits to the quality and quantity of aquatic and riparian habitat in the immediate vicinity and upstream of the existing dam, in addition to improving streamflows downstream between the dam and Grays Harbor.	Ferrell, Alissa	\$1,131,350	\$0	\$1,131,350



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Schafer Creek Headwaters Restoration	<a href="#">22-1331</a>	Grays Harbor Conservation Dist	Restoration	22 - Lower Chehalis	Grays Harbor	Our proposal is to restore the hydrogeomorphological processes of up to 10 miles of the Schafer Creek headwaters by using hand-built, in-stream post-assisted log structures. The work will benefit water quality (temperature moderation, sediment retention), water quantity (alluvial water storage), and habitat diversity in this tributary to the Wynoochee River. This project will build on the successes and lessons learned from the Schafer Creek Pilot Project, which was completed in 2021 as part of the Satsop and Wynoochee Tributary Restoration Strategy, in partnership with Green Diamond Resource Co. We will be bringing on Trout Unlimited as a project partner to train their staff in the development and implementation of these types of multi-benefit projects, since a major goal of the development of the Strategy was to increase capacity for low cost, landscape scale restoration work across the WA Coast region. Outreach will include volunteer opportunities and site visits with timber landowners, restoration practitioners, and other stakeholders. A comprehensive outreach video project will be developed to show the social, economic, and environmental benefits from this project type. Since this project is primarily implementation, a majority of the WCRRRI investment will be for the employment of local crew members and crew leads.	Ferrell, Alissa	\$1,997,614	\$105,600	\$2,103,214

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Damon Creek at Kirkpatrick Road Fish Passage	<a href="#">24-1153</a>	Chehalis Basin FTF	Restoration	22 - Lower Chehalis	Grays Harbor	This restoration project is to correct a 33% passable fish passage barrier culvert, #127H0049, at the mouth of Damon Creek at road mile 2.05 on Kirkpatrick Road north of Copalis Crossing, Washington. Damon Creek is in the Lower Humptulips Subbasin, flowing into the lower mainstem Humptulips River at river mile 10.3. The goal is to remove the barrier and replace it with a structure that is passable to all aquatic species and life stages in order to open full migration to 5.82 miles of high-quality spawning and rearing habitat in forestlands upstream. Six species of salmonids present in the Humptulips River will benefit from the improved habitat conditions in Damon Creek including coho, Chinook, chum, steelhead, cutthroat and Bull trout. The project will also improve the existing boat ramp just downstream from the culvert to provide safer, more accessible recreational fishing access in the Humptulips River. The project has been designed and permitted under SRFB grant 19-1184; the current grant proposal, 22-1153, is for the construction phase of the project. However, permits will have expired by the 2026 construction window and will need to be resubmitted.	Ferrell, Alissa	\$2,000,000	\$1,227,118	\$3,227,118

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Chehalis Basin Cooperative Weed Management Phase 3	<a href="#">24-1406</a>	Grays Harbor Co Weed Board	Restoration	22 - Lower Chehalis	Grays Harbor	The Chehalis Basin Cooperative Weed Management Phase III is a landscape scale project focusing on education, prevention, and control of invasive species throughout the Chehalis Basin. The project emphasizes the need for a collaborative approach amongst agencies, land managers, and private landowners. Invasive species threaten environmental, economic, and cultural resources. Multiple projects are underway with Grays Harbor Noxious Weed Control Board taking the lead, Phase III is imperative to continue these efforts. This work will extend throughout many types of habitats, but we will be prioritizing knotweed in the riparian areas along the Wynoochee, Satsop and Chehalis rivers, as well as scotch broom, gorse and phragmites in coastal dunes and shorelines. We also aim to protect natural resources through education and outreach, and also through pit inspections as these are often sources of spread. Noxious weed control is vital in the protection of our natural resources and habitats. Knotweed threatens salmon habitat by preventing tree establishment. Trees are vital in riparian areas, especially those through which salmon pass because they shade the water, helping maintain cooler temperatures, add woody debris to the system which house fry and invertebrate food sources for salmon, and tree roots help combat erosion which results in bank degradation and sedimentation in the river. Knotweed will create monocultures, reduce biodiversity and does not provide wildlife services.	Ferrell, Alissa	\$561,500	\$0	\$561,500

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Schafer Creek Headwaters Restoration	<a href="#">24-1449</a>	Grays Harbor Conservation Dist	Restoration	22 - Lower Chehalis	Grays Harbor	Our proposal is to restore the hydrogeomorphological processes of up to 8 miles of the Schafer Creek headwaters by using hand-built, in-stream post-assisted log structures (only local wood and biodegradable rope will be used). The work will benefit water quality (temperature moderation, sediment retention), water quantity (alluvial water storage), and habitat diversity in this tributary to the Wynoochee River. Target species to benefit include, coho, fall Chinook, fall chum, and winter steelhead. This project will build on the successes and lessons learned from the Schafer Creek Pilot Project, which was completed in 2021 as part of the Satsop and Wynoochee Tributary Restoration Strategy, in partnership with Green Diamond Resource Co. We will be bringing on Trout Unlimited as a project partner, since a major goal of the development of the Strategy was to increase capacity for low cost, landscape scale restoration work across the WA Coast region. Outreach will include volunteer opportunities and site visits with timber landowners, restoration practitioners, and other stakeholders. A comprehensive outreach video project will be developed to show the social, economic, and environmental benefits from this project type. Since this project is primarily implementation, a majority of the WCRRI investment will be for the employment of local crew members and crew leads.	Ferrell, Alissa	\$1,998,699	\$0	\$1,998,699

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West Fork Satsop Headwaters Restoration	<a href="#">24-1517</a>	Grays Harbor Conservation Dist	Restoration	22 - Lower Chehalis	Grays Harbor	Our proposal is to restore the hydrogeomorphological processes of up to 6 miles of the West Fork Satsop headwaters by using hand-built, in-stream post-assisted log structures. The work will benefit water quality (temperature moderation, sediment retention), water quantity (alluvial water storage), and habitat diversity in these tributaries to the West Fork Satsop. Target species benefitting in the tributaries where work will occur include, fall chum, coho, fall chinook, and cutthroat trout. This project will build on the successes and lessons learned from the Schafer Creek Pilot Project (completed in 2021) and Schafer Creek RM 8-9 (scheduled for construction in 2024) as part of the Satsop and Wynoochee Tributary Restoration Strategy, in partnership with Green Diamond Resource Co. We will be continuing our partnership with Trout Unlimited as a project partner, since a major goal of the development of the Strategy was to increase capacity for low cost, landscape scale restoration work across the WA Coast region. Outreach will include volunteer opportunities and site visits with timber landowners, restoration practitioners, and other stakeholders. A comprehensive outreach video project will be developed to show the social, economic, and environmental benefits from this project type. Since this project is primarily implementation, a majority of the WCRRRI investment will be for the employment of local crew members and crew leads.	Ferrell, Alissa	\$1,534,965	\$0	\$1,534,965

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Diversity and Resilience – Phase II	<a href="#">24-1567</a>	Ecostudies Institute	Restoration	23 - Upper Chehalis	Grays Harbor, Lewis, Thurston	This restoration project will enhance grassland habitat for rare plants, butterflies and birds across 12-14 private properties (totaling 600 acres) within the Chehalis Basin through collaborative conservation grazing; support job training for 9 VCC and 4 Americorps members; support a total of ~25 FTEs across 11 organizations; educate over 60 producers and technical service providers on conservation grazing practices and train landowners, producers and partners on prairie pollinators. Six of the nine currently enrolled properties are immediately adjacent to or contain water bodies (creeks or rivers) draining into the Chehalis River. Phase II will prioritize properties in Grays Harbor County that are adjacent to or contain water bodies, thereby enhancing both the upland habitat and improving water quality and storage in the Chehalis Basin.	Ferrell, Alissa	\$1,975,864	\$0	\$1,975,864

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Winfield Ck & Elk Ck Restoration Design - Phase 1	<a href="#">22-1333</a>	Trout Unlimited Inc.	Planning	20 - Soleduc	Jefferson	This project entails phase one of a multi-phase project to improve habitat conditions and salmon and steelhead productivity in Winfield Creek and Elk Creek in the Hoh River Watershed. This project (phase one) proposes to: 1) conduct reach assessments to identify priority areas for restoration; 2) produce a preliminary design for Winfield Creek; and 3) produce a conceptual design for Elk Creek. Likely restoration actions include large wood placement, riparian planting and treatments, and invasive plant management. Once designs are implemented, this project will benefit juvenile and adult coho, chinook, steelhead, and resident trout species.	Rubin, Alice	\$255,300	\$0	\$255,300

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Hoh Upland Restoration and Tributary Assessment	<a href="#">24-1194</a>	The Nature Conservancy	Planning & Restoration	20 - Soleduc	Jefferson	The Nature Conservancy's (TNC) Hoh Upland Restoration and Tributary Assessment project will use this grant funding to build upon previous accomplishments within the Hoh River Watershed in Jefferson County to restore and improve approximately 485.5 acres of habitat. The goal of this project is to provide short-term and long term positive direct benefits to improve habitat for Federally and State listed endangered, threatened, sensitive, or species of concern including Coho, Steelhead, Olympic Mud Minnow, Bull Trout, Pacific Lamprey, Wolverine, and a variety of bird species, including the Marbled Murrelet and Northern Spotted Owl. The project will focus on the decommissioning of 2.1 miles (5.1 acres) of existing wetland adjacent road prism, as well as the removal of 8 failing, poor condition culverts (6 live water, 3 with documented fish presence, 2 others likely) within the 2.1 miles. Additionally, this project will treat 122 acres of young industrial forest plantations through pre-commercial thinning that will improve species composition and develop complex habitat that will benefit species dependent on late successional forests. Project will also have an invasive species treatment component that will focus on the eradication of scotch broom on 7.2 miles (17.5 acres) of aquatic adjacent project area roads, and a Watershed Assessment component that focuses on assessing 3 Hoh tributaries (Anderson, Braden and Nolan) for prioritization of future projects within those reaches.	Ferrell, Alissa	\$644,504	\$80,000	\$724,504



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Upper Quinault River Restoration Phase 6	<a href="#">24-1460</a>	Quinault Indian Nation	Restoration	21 - Queets - Quinault	Jefferson	The Quinault Indian Nation continues to prioritize floodplain restoration and community resilience in our programmatic approach to comprehensively restore natural habitat forming processes in the floodplain and channels of the Upper Quinault River (UQR) in Jefferson and Grays Harbor Counties. This Phase 6 restoration proposal builds off a fifteen-year effort that has installed approximately 100 engineered log jams and planted nearly 800 acres with conifers in the UQR. In Phase 6, we propose to complete final design and construction of twelve ELJs in the Wilson's Slough Reach of the Upper Quinault River, including updates to permits and Cultural Resource documentation obtained during Phase 5. We will also plant, maintain and perform conifer release on 20 acres of floodplain terraces. These actions are intended to protect existing stable side channel habitat and promote the formation of new side channels. In 2024, we are completing a basin-wide, retrospective assessment of progress towards our restoration goals for both the geomorphic and reforestation components of the Upper Quinault project, which will drive current and future priorities as we adaptively manage this work of completing the 2008 Upper Quinault Restoration Plan. Primary aquatic species benefitted include sockeye, Chinook, and coho salmon and steelhead and native char. We propose to complete and implement the communications and outreach plan currently in development.	Ferrell, Alissa	\$1,996,000	\$0	\$1,996,000

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Winfield Ck & Elk Ck Restoration Design - Ph 1	<a href="#">24-1579</a>	Trout Unlimited Inc.	Planning	20 - Soleduc	Jefferson	This project entails phase one of a multi-phase project to improve habitat conditions and salmon and steelhead productivity in Winfield Creek and Elk Creek in the Hoh River Watershed. This project (phase one) proposes to: 1) conduct reach assessments to identify priority areas for restoration; 2) produce a preliminary design for Winfield Creek; and 3) produce a conceptual design for Elk Creek. Likely restoration actions include large wood placement, riparian planting and treatments, and invasive plant management. Once designs are implemented, this project will benefit juvenile and adult coho, chinook, steelhead, and resident trout species.	Ferrell, Alissa	\$318,550	\$0	\$318,550

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Lucas Crk Trib at MP 4.24 Fish Passage Const-WCRR	<a href="#">22-1304</a>	Lewis County Public Works	Restoration	23 - Upper Chehalis	Lewis	The proposed restoration project will replace an approximately 3-foot (ft) diameter by 31-ft long culvert, which has a precast concrete inlet and corrugated metal outlet, with a 24-ft wide by 12-ft tall by 70-ft long split box culvert at Lucas Creek Road milepost 4.24 in Lewis County, Washington. The barrier to be replaced, which conveys an unnamed tributary to Lucas Creek, is only 33 percent passable due to a water surface drop of approximately 2 ft. The "Prioritized Chehalis Barriers - May 2020" layer in the Chehalis Fish Passage Barrier Prioritization interactive mapper (May 2020) identifies the existing barrier as a Priority 2 barrier. Replacement of this culvert is anticipated to restore unimpeded access to 1.22 linear miles of potential habitat for the Southwest Washington Evolutionarily Significant Unit of coho salmon and 1.36 linear miles of potential habitat for the Southwest Washington Distinct Population Segment of winter steelhead trout. There are no barriers downstream or upstream of this culvert. According to the Lewis Conservation District, who performed a full stream habitat survey of Lucas Creek and its tributaries in 2002, the proposed project will also restore access to 2,588 square meters of spawning area and 1,299 square meters of rearing habitat will also become accessible.	Ferrell, Alissa	\$285,090	\$1,140,358	\$1,425,448

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Lucas Crk Trib at MP 4.39 Fish Passage Const-WCRRRI	<a href="#">22-1305</a>	Lewis County Public Works	Restoration	23 - Upper Chehalis	Lewis	The proposed restoration project will replace an approximately 6-foot (ft) wide by 4-ft tall by 66-ft long corrugated metal squash pipe with a 20-ft wide by 13-ft tall by 78-ft long split box culvert at Lucas Creek Road milepost 4.39 in Lewis County, Washington. The barrier to be replaced, which conveys an unnamed tributary to Lucas Creek, is only 33 percent passable due to a slope of 1.7 percent. The "Prioritized Chehalis Barriers - May 2020" layer in the Chehalis Fish Passage Barrier Prioritization interactive mapper (May 2020) identifies the existing barriers as a Priority 1 barrier. Replacement of this culvert is anticipated to restore unimpeded access to 1.88 linear miles of potential habitat for the Southwest Washington Evolutionarily Significant Unit of coho salmon and 1.74 linear miles of potential habitat for the Southwest Washington Distinct Population Segment of winter steelhead trout. There are no barriers downstream or upstream of this culvert. According to Lewis Conservation District, who performed a full habitat survey of Lucas Creek and its tributaries in 2002, the proposed project will restore access to 3,484 square meters of spawning area and 2,081 square meters of rearing habitat.	Ferrell, Alissa	\$261,450	\$1,045,798	\$1,307,248

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MF Newaukum Trib-Kruger Fish Passage Const (WCRR)	<a href="#">22-1306</a>	Lewis County Public Works	Restoration	23 - Upper Chehalis	Lewis	The proposed restoration project will replace two existing 5-foot (ft) wide by 3.5 ft tall by 41-ft long corrugated metal squash pipes with an approximate 21-ft wide by 11-ft tall by 43-ft long split box culverts at Kruger Rd MP 1.2 in Lewis County, Washington. These barrier culverts, which carry flows from an unnamed tributary to the Middle Fork Newaukum River, are only 33 percent passable due to a depth barrier. The "Prioritized Chehalis Barriers - May 2020" layer in the Chehalis Fish Passage Barrier Prioritization interactive mapper identifies the existing barrier as a Priority 1 barrier. Replacement of this culvert is anticipated to restore immediate unimpeded access to 0.68 linear miles of habitat for the Southwest Washington Distinct Population Segment (DPS) of winter steelhead trout and the Southwest Washington Evolutionarily Significant Unit (ESU) of coho. According to the SWIFD layers provided in the Chehalis Fish Passage Barrier Prioritization interactive mapper total accessible habitat above this culvert once upstream barriers are removed will be 3.09 linear miles for steelhead and 4.30 linear miles for coho. Additional construction will include 231 feet of realignment/regrade of stream material within the channel to provide passage during all flows. Channel regrade activities were limited to the minimum distance required to meet stream simulation design. Large woody debris and pools are proposed to maintain the thalweg and fish passage during low flows.	Ferrell, Alissa	\$266,968	\$1,067,870	\$1,334,838

# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Scammon Creek at Graf Fish Passage Const (WCRR)	<a href="#">22-1307</a>	Lewis County Public Works	Restoration	23 - Upper Chehalis	Lewis	The proposed restoration project will replace an existing 12-foot (ft) wide by 8-ft tall by 43-ft long corrugated metal squash pipe with an approximate 24-ft wide 13-ft tall by 45-ft long split box culvert at Graf Rd milepost 1.34 in Lewis County, Washington. This barrier culvert, which carries flows from Scammon Creek is only 33 percent passable due to a depth barrier. The "Prioritized Chehalis Barriers - May 2020" layer in the Chehalis Fish Passage Barrier Prioritization interactive mapper identifies the existing barrier as a Priority 1 barrier. Replacement of this culvert is anticipated to restore immediate unimpeded access to 1.31 linear miles of habitat for the Southwest Washington Evolutionarily Significant Unit (ESU) of coho salmon and 1.02 linear miles of potential habitat for the Southwest Washington Distinct Population Segment (DPS) of winter steelhead. According to the SWIFD layers provided in the Chehalis Fish Passage Barrier Prioritization interactive mapper total accessible habitat above this culvert once upstream barriers are removed will be 9.54 linear miles for coho and 7.28 linear miles for winter steelhead. Additional construction will include 150 linear ft of realignment/regrade of streambed materials within the channel to provide fish passage during all flows. Channel regrade activities were limited to the minimum meet stream simulation design. Meander bars and large woody debris will be installed to maintain the thalweg and fish passage during low flow.	Ferrell, Alissa	\$227,090	\$908,360	\$1,135,450

## Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Mill Creek Beaver Habitat Enhancement Project	<a href="#">22-1340</a>	Lewis Conservation District	Restoration	23 - Upper Chehalis	Lewis	We are going to work with Port Blakely Timber Company to plant willows along approximately 1800 feet of stream and 12 acres of land. This project would control the canary grass and help attract beavers to remake ponds for salmon fry rearing and summer water retention. This is part of the Lewis Conservation District effort to restore the Mill Creek Basin. Port Blakely will be an excellent partner with their commitment to environmental stewardship.	Ferrell, Alissa	\$138,000	\$0	\$138,000

# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Willapa Estuary Juv. Habitat Assess Restoration	<a href="#">22-1268</a>	Pacific Conservation Dist	Planning	24 - Willapa	Pacific	The project will 1) synthesize existing habitat data and map current estuarine and nearshore habitats in Willapa Bay to support habitat restoration planning and implementation and status and trends monitoring; 2) characterize estuarine and nearshore salmon habitat use, timing, and assemblages in Willapa Bay; and 3) hire and train technicians from the local area through community colleges, conservation districts, and others to conduct the fish use field work and habitat and large wood mapping associated with the above tasks which will build local expertise and capacity to assist with future restoration of estuarine and riverine habitats and support the local economy.	Ferrell, Alissa	\$1,799,380	\$0	\$1,799,380



## Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Middle Nemah River Phase 1 Restoration	<a href="#">22-1308</a>	Pacific Conservation Dist	Restoration	24 - Willapa	Pacific	This project will complete restoration in the Phase 1 area of the Middle Nemah River which is the Priority Watershed for the Willapa Bay Lead Entity. The restoration will focus in a high priority area in the lower river, placing engineered log jams to improve habitat complexity and addressing an avulsion risk where the entire river would otherwise enter a series of gravel extraction ponds which would trigger a damaging head-cut and disconnect 1/3 mile of main channel. And the project will improve floodplain connection in the pond area where the avulsion risk is low and elsewhere within the reach by removing segments of an abandoned road.	Ferrell, Alissa	\$1,020,350	\$90,000	\$1,110,350

# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Johnson Creek Watershed Restoration Phase 1	<a href="#">22-1318</a>	CREST	Restoration	24 - Willapa	Pacific	The Johnson Creek Watershed Restoration Project Phase 1 addresses negative impacts from past and current logging activities that limit habitat capacity such as spawning and rearing habitat for native salmonids. This reach of Johnson Creek, a tributary of South Naselle River, is home to coho, steelhead, cutthroat trout, and potentially Chinook, chum and lamprey. Project actions include replanting .5 miles of riparian zone, the installation of 16 large wood structures to improve spawning and rearing habitat, promote floodplain connectivity, activate side channels, legacy streambed, and increase off-channel refugia. Retiring, removing, and recontouring approximately 500ft of road in the Johnson Creek floodplain. The removal and replacement of an undersized bridge (approx. 30ft) and its abutments with a much larger stream simulation bridge (65ft bridge), the complete removal of a derelict bridge structure and its creosote abutments, as well as the removal of a fish barrier culvert and replacement with a 40ft bridge. All of which will restore fish passage and natural drainage and processes to >1.4 miles of the watershed. Phase II of this project will continue downstream to the confluence of Johnson Cr. with the S. Naselle. This lower reach similarly has an undersized bridge and culvert that needs to be addressed as well as a general lack of large woody debris. Collectively, Phases I and II will restore complexity and critical ecosystem processes to the entire Johnson Cr. watershed.	Ferrell, Alissa	\$189,814	\$208,358	\$398,172

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Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Ramie Redfield Restoration - Letsinger Phase III	<a href="#">22-1381</a>	Pacific Conservation Dist	Restoration	24 - Willapa	Pacific	The Pacific Conservation District and our partners are seeking funding for phase three of reach scale salmon habitat restoration project in the headwaters of North River. Located on the Letsinger property, our project area spans over a 100-acre parcel containing reaches of Howard, Raimie, and Redfield creeks. These creeks join on the Letsinger property to form the North River, one of the most productive coho salmon <i>Oncorhynchus kisutch</i> streams in Washington state. Our project aims to give these once developed and farmed lands back to these salmon streams and allow them to function as they did historically. If funded Phase III will restore 1.15 miles of habitat throughout Redfield creek, Ramie creek and North River by installing 83 LWD structures, providing grading on seven highly eroded sections of streambank and improving 0.75 acres of riparian area with grading and planting of native vegetation. These restoration measures will improve the lack of LWD in the upper north River watershed and help to retain and aggrade its "naturally low levels," of spawning gravels. Both phase I and II are set for construction during the 2023 in water work window. Based on funding timelines we will most likely have to implement phase III in the summer of 2024.	Ferrell, Alissa	\$804,248	\$181,680	\$985,928

# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Niawiakum River Restoration & Barrier Correction	<a href="#">24-1367</a>	Willapa Bay RFEF	Restoration	24 - Willapa	Pacific	The Willapa Bay Fisheries Enhancement Group, WBFEG, is proposing a restoration project along the lower reaches of the Niawiakum River. The Niawiakum is a small river that flows into Willapa Bay via the Niawiakum River Natural Area Preserve. Located just north of Bay Center, WA, the preserve contains over 1000 acres of high-quality estuary habitat. The WBFEG seeks to restore the Niawiakum just upstream of this preserve to improve salmon passage and habitat in the reach. At the upstream extent of the project, twin barrier culverts currently exist and block the upstream movement of fish, especially juvenile salmon. The project will also remove these barrier culverts and replace them with a full spanning bridge that allows free passage of salmon and trout of all life stages. While being surrounded by areas of very good habitat, the project reach has been degraded over many years, resulting in the loss of spawning gravels and lack of in-stream structure. The project will place key pieces of instream large wood to collect and stabilize gravels for spawning use, and to create pools and current refuges needed for high-quality habitat. When completed, the project will primarily benefit coho and chum salmon, winter steelhead, and cutthroat trout. This project aims to advance a regional priority of restoring chum salmon populations in WRIA 24. The grant funds will be utilized for developing final project designs and funding the project construction through completion.	Kohler, Kendall	\$1,456,700	\$0	\$1,456,700

# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Clearwater Creek Bridge	<a href="#">24-1369</a>	Sea Resources	Restoration	24 - Willapa	Pacific	Replace two 5' culverts with a 50' X 18' bridge restoring fish passage to 5.1 miles of salmon habitat and full tidal inundation to a 10 acre estuary wetland. It will provide passage for: Coho, Chinook, Steelhead, lamprey, Chum and all estuary species. Remove the two 70 year old 5' undersized tidally influenced barrier culverts and replace them with a bridge. This project would be producing a permit-ready design (60% design). Removing the barrier culverts will open up 5.1 miles of salmonid habitat and restore full tidal influence to the 10.0 acres estuarine wetland. The project will replace the 2-5' round culverts that are 79.5' long corrugated metal pipes with a 50' X 18' steel bridge, with turnouts at either end. These culverts were reviewed by WDFW using their Tidal Influence Assessment tool. These culverts are a fish passage barrier and block full tidal inundation to the estuary upstream of the culverts. The culverts are an approximately 33-0% passability. With these culverts being tidally influenced, the normal passability scale is not appropriate. Tidal culverts need to be 90% passable to all species, at all life stages when water is present. Every tidal exchange there is a whirlpool suction that is created.	Kohler, Kendall	\$1,305,350	\$0	\$1,305,350

# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Howard, Redfield, Raimie, North River Restoration	<a href="#">24-1419</a>	Pacific Conservation Dist	Restoration	24 - Willapa	Pacific	This project seeks to restore headwater stream habitat on a single parcel in the North River basin of the Willapa Bay Watershed near Brooklyn in Pacific County, WA. The goal is to improve freshwater habitat by installing beaver dam analogues, post-assisted log structures, and other wood deflection and protection structures. These structures will increase floodplain connectivity, sinuosity, and sediment sorting and storage capacity essential for salmonid redd viability. The instream work will facilitate ecological processes necessary for maintaining the restored ecological function for the benefit of salmonids long-term. 6,100 linear feet of stream habitat restoration is proposed across Howard (1554ft), Redfield (3128ft), and Ramie Creeks (784ft), and North River (637ft). Large wood densities will be increased from 0 - 5.5 pieces to 27 - 52 pieces per 100ft. This project would restore spawning and rearing habitat for Chinook ( <i>Oncorhynchus tshawytscha</i> ), coho ( <i>O. kisutch</i> ), steelhead ( <i>O. mykiss</i> ), and cutthroat trout ( <i>O. clarkii clarkii</i> ). The North River is amongst the most productive coho watersheds in the state. Work here represents a unique opportunity for salmon recovery and resiliency. The landowner wants to include the community in educational and stewardship opportunities. This proposal is seeking funds for cultural resources, permitting, outreach, final design, and project implementation (construction) necessary to see the project to completion.	Ferrell, Alissa	\$1,310,650	\$0	\$1,310,650

## Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
North Cove Shoreline Restoration - Phase 2	<a href="#">24-1468</a>	Pacific Conservation Dist	Restoration	24 - Willapa	Pacific	This project will implement a nature-based dynamic revetment to reduce erosion, accrete sediment, and restore dune and beach habitats along a 1.1 mile stretch of Willapa Bay's northern shoreline at North Cove, replicating the region's natural cobble beaches. Phase 2 (this proposal, 2025-27) will 1) place cobbles and large woody debris along priority erosion-prone sections of this shoreline to accrete sand and dynamically stabilize the shoreline, 2) raise dune crests where elevation was lost since Phase 1's prototype installation (2019), 3) install a cobble feeder bluff to provide longshore transport and downdrift supply of cobble to adjacent shores, and 4) soften transitions from large rip rap conventional revetments to nature-based cobble shorelines which dissipate wave energy. This will support intertidal razor clam habitat and upland habitat for species such as ESA-listed snowy plover and streaked horned lark, with water quality and sediment supply benefits for adjacent shores. Phase 2's construction supports Phase 3's installation of the fully-designed dynamic revetment (federal funds pending, 2025-29) through incremental subsurface layering and strata development, allowing equilibrium slopes to develop and materials to be sorted and distributed in a complex way that cannot be done by hand. Shoreline responses to Phase 2 will be monitored by WA Department of Ecology's Coastal Monitoring and Analysis Program, informing Phase 3's installation.	Kohler, Kendall	\$2,000,000	\$3,862,350	\$5,862,350

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Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Middle Nemah River Phase 1 Restoration	<a href="#">24-1506</a>	Pacific Conservation Dist	Restoration	24 - Willapa	Pacific	This project will complete restoration in the Phase 1 area of the Middle Nemah River which is the Priority Watershed for the Willapa Bay Lead Entity. The restoration will focus in a high priority area in the lower river, placing engineered log jams to improve habitat complexity and addressing an avulsion risk where the entire river would otherwise enter a series of gravel extraction ponds which would trigger a damaging head-cut and disconnect 1/3 mile of main channel. And the project will improve floodplain connection in the pond area where the avulsion risk is low and elsewhere within the reach by removing segments of an abandoned road.	Ferrell, Alissa	\$2,000,000	\$90,000	\$2,090,000



# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Willapa Estuary Juv. Habitat Assess Restorat	<a href="#">24-1507</a>	Pacific Conservation Dist	Planning	24 - Willapa	Pacific	The project will 1) synthesize existing habitat data and map current estuarine and nearshore habitats in Willapa Bay to support habitat restoration planning and implementation and status and trends monitoring; 2) characterize estuarine and nearshore salmon habitat use, timing, and assemblages in Willapa Bay; and 3) hire and train technicians from the local area through community colleges, conservation districts, and others to conduct the fish-use field work and habitat and large wood mapping associated with the above tasks which will build local expertise and capacity to assist with future restoration of estuarine and riverine habitats and support the local economy. 4) Develop recommendations for habitat restoration and protection projects that are most likely to benefit salmonids using the estuary.	Ferrell, Alissa	\$2,000,000	\$0	\$2,000,000

## Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Talbot Dam Removal and Riparian Restoration	<a href="#">24-1645</a>	Fish & Wildlife Dept of	Restoration	24 - Willapa	Pacific	This Restoration project will produce a complete the removal of 20' high dam on Green Creek that spans 115 feet across. The removal will include reconstruction of the channel and installation of large woody debris and riparian planting. This work includes: removal of barriers to fish passage; increase spawning and rearing throughout 700 to 1,000 meters with the addition of large woody debris, spawning gravels and meandering of channel; increase the amount of functioning riparian cover to address shade over and nutrient input.	Kohler, Kendall	\$775,635	\$0	\$775,635

# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Seed Prod & Habitat Enhancement for Pollinators	<a href="#">24-1430</a>	Center for Natural Lands Mgmt	Restoration	23 - Upper Chehalis	Thurston	The Center for Natural Lands Management (CNLM), a 501(c)(3) non-profit in Western Washington, will use this funding for a restoration project to establish genetically appropriate plant materials for seed production that supports at risk butterflies in the Chehalis watershed prairies. The seed produced will be used for habitat restoration in prairie and grassland ecosystems within the Chehalis River watershed, precluding the need for listing additional species of butterfly and reducing costs for recovery. Butterfly species supported are the Taylor's Checkerspot, Mardon Skipper, Hoary Elfin, Puget Blue, Puget Sound Fritillary, and Valley Silverspot. With this funding, new seed beds of six species that are essential to butterfly survival and are not currently being grown in the region will be established at the Violet Prairie Preserve native seed nursery. Additionally, six other seed beds would be expanded to supply and support habitat restoration. All twelve of these important native plant species provide essential habitat, larval resources, and pollen to pollinators endemic to the Western Washington Prairie ecosystem. Seeds of native species important for restoration of Prairie habitat will be collected, propagated, and established into an agricultural seed increase program. Seeds produced with this funding will be sown across public and private preserves being restored by CNLM and partner agencies during restoration actions - averaging 300 acres annually.	Kohler, Kendall	\$1,235,361	\$0	\$1,235,361

# Washington Coast Restoration and Resiliency Initiative 2025-2027

Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Cleveland Skamokawa Creek Restoration	<a href="#">22-1373</a>	Wahkiakum Conservation Dist	Restoration	25 - Grays - Wahkiakum Elochoman		The Cleveland Skamokawa Creek Restoration project treats 2755 feet of Middle Valley Skamokawa and 042 feet of Falk Creek. The project is located in the tier 1 EDT reach Skamokawa 5 within the Elochoman-Skamokawa subbasin. The project encompasses mainstem habitat and tributary habitat on non-industrial private ownership. The goal of the project is to address all of the limiting factors for all life stages of all salmonid species present in the reach. Species supported include chum, coho, Fall Chinook, and winter steelhead. Restoration practices include installation of wood-based structures to increase habitat quantity and complexity, improve channel stability, and provide streambank stability. Riparian restoration will be conducted to establish woody vegetation on 7 acres of riparian buffer. Livestock exclusion fencing will be installed to limit livestock access to establishing woody vegetation and the streambanks. A fence will be installed along a drainage ditch to eliminate livestock access which will benefit water quality entering Middle Valley Skamokawa Creek.	Ferrell, Alissa	\$184,585	\$55,000	\$239,585

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Final Applications 2025-2027 (Sorted by County)



Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
Uncle Henrys Lake Elochoman River Restoration	<a href="#">22-1374</a>	Wahkiakum Conservation Dist	Restoration	25 - Grays - Elochoman	Wahkiakum	This is a proposed restoration project located in the Elochoman -6 EDT stream reach at approximately River mile 8.4. The overall goal is to implement restoration practices that will address all of the limiting factors, for all priority life stages for all species presence in the reach. This includes restoring riparian function, stream channel habitat by placing woody structures, off channel and side channel habitats, water quality, floodplain function, and bank/channel stability. The habitat to be restored includes 2233 feet of the mainstem Elochoman River, and 1000 feet of side channel habitat. The project supports coho, chum, Fall Chinook, and winter steelhead. The project does not necessarily provide any additional outdoor recreation opportunity than is already there. The project should provide improved fishing opportunity by collectively improving salmon recovery in the watershed. Project design will focus on riparian restoration along river right and riparian enhancement along river left. Channel margin habitat will focus on increasing habitat diversity primarily for adult migration and juvenile rearing. As observed at the downstream project reach (Bortner) some spawning opportunity will be realized. Channel margin habitat will aid in the streambank stability focusing on effective establishment of the riparian buffer. Side Channel habitat will tremendously aid chum, coho, and steelhead.	Ferrell, Alissa	\$209,890	\$33,500	\$243,390

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Project Name	Number (link to project details)	Grant Applicant	Project Type	Water Resource Inventory Area	County	Project Description (Not edited by RCO)	RCO Grants Manager	Grant Request	Applicant Match	Total
EF Deep River Fish and Human Resilience – Phase 1	<a href="#">24-1529</a>	CREST	Restoration	25 - Grays - Elochoman	Wahkiakum	The project will implement the first of three restoration phases designed to dramatically improve fish passage to 17 stream miles in the East Fork Deep River system while also reducing the severity, duration, and frequency of flooding to private agricultural land and County roads. This first phase will replace a bank of undersized culverts and tide gates with a 40'-wide, 3-bay box culvert equipped with three muted tidal regulators designed to meet Oregon's Tidal Area Restoration Program guidelines. It will also expand and improve channel edge habitat in the first 0.8 miles of (tidal) East Fork channel and remove two channel constrictions that contribute to flooding. Future phases of work will address partial fish barriers upstream and reconnect select portions of floodplain.	Ferrell, Alissa	\$792,642	\$452,260	\$1,244,902
<b>Total</b>								<b>\$38,419,117</b>	<b>\$12,050,672</b>	<b>\$50,469,789</b>