Brian Abbott
Fish Barrier Removal Board
Grants Awarded 2019-2021

WASHINGTON STATE
Recreation and Conservation
Funding Board

Editor's Note: Culverts are large pipes or other structures that carry streams under roads. Culverts can block fish passage when they are too high off the stream bed; too narrow, which constricts and speeds up the water flow, making it unswimmable for fish; or clogged with sediment, tree roots, or other plant material. Blocked culverts prevent fish from reaching desirable habitat or migrating to and from the ocean.

Asotin County — Grants Awarded: $445,300

Asotin County Conservation District — Grant Awarded: $445,300
Correcting a Barrier on Cottonwood Creek

The Asotin County Conservation District will use this grant to replace a culvert on Cottonwood Creek where it flows under Grande Ronde River Road, .1 mile from where it meets the Grande Ronde River. The barrier limits steelhead trout access to nearly 2.54 miles of upstream habitat. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1630)

Chelan County — Grants Awarded: $982,885

Chelan County — Grant Awarded: $488,286
Removing Chumstick Creek Culverts

The Chelan County Natural Resources Department will use this grant to remove two culverts and replace them with structures in Chumstick Creek, a tributary to the Wenatchee River. This project will increase available off-channel habitat for young steelhead trout and Chinook and coho salmon. The county will contribute $86,192 in donations of labor and a federal grant. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1584)

Chelan County — Grant Awarded: $494,599
Restoring Mill Creek Fish Passage

Chelan County will use this grant to remove a fish passage barrier on Mill Creek, a tributary of Peshastin Creek in the Wenatchee basin. The project will open 2.2 miles of steelhead spawning and rearing habitat by replacing a box culvert with a larger, and differently designed culvert. The project includes designs, permitting, and construction.

The goal is to improve access to tributary spawning and rearing habitat for steelhead, a species which is listed as threatened under the federal Endangered Species Act. The County will contribute $131,476 in a state grant. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1561)

Clallam County — Grants Awarded: $699,859

Clallam County — Grant Awarded: $199,960
Designing Improved Fish Passage in Lower Hoko Wetland

The Clallam County Public Works Department will use this grant to plan and design a structure north of Lamb Creek on the Hoko-Ozette Road that would provide access to 1.4 miles of habitat and 30.5 acres of potential spawning and wetland rearing habitat for coho salmon and steelhead and cutthroat trout. The project will include site surveys, reports, cultural resource assessment, and permit-ready designs. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1606)

Clallam County — Grant Awarded: $199,060
Planning to Replace Culverts on Johnson Creek

The Clallam County Public Works Department will use this grant to develop plans to replace three culverts on Johnson Creek to provide access to 2.4 miles of spawning habitat and 15.6 acres of upstream habitat for coho salmon and steelhead and cutthroat trout. These culverts are the last barriers to migrating fish in Johnson Creek in the Hoko watershed. The county will develop site surveys, reports, and permit-ready drawings. The project is on Hoko-Ozette Road, which provides public access to Olympic National Park, Ozette Lake, and Pacific Coast beaches. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1609)

Clallam County — Grant Awarded: $197,060
Restoring Access to Talbot Creek

The Clallam County Public Works Department will use this grant to develop construction-ready plans to replace a culvert, which will open 30.5 acres of wetland rearing habitat for coho salmon and steelhead and cutthroat trout in Talbot Creek. The project is where the Hoko-Ozette Road meets Talbot Creek. The project will include developing conceptual and final designs, site surveys, reports, and permit-ready

drawings. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1608)

North Olympic Salmon Coalition **Grant Awarded: $103,779**
Restoring Access to Railroad Creek

The North Olympic Salmon Coalition will use this grant to remove a culvert and associated fill on Railroad Creek, a tributary to the Hoko River. The project will restore access to 2.49 acres of rearing habitat for coho, steelhead, and cutthroat trout. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-5757)

Clark County — Grants Awarded: $155,200

Clark County **Grant Awarded: $155,200**
Improving Access to Mason Creek

Clark County will use this grant to develop a plan to correct a barrier on Mason Creek. The project will include surveys, analysis, a cost-estimate, permitting assistance, and contractor selection. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1597)

Cowlitz County — Grants Awarded: $1,095,293

Cowlitz County **Grant Awarded: $322,150**
Improving Fish Passage on North Fork Ostrander Creek

Cowlitz County will use this grant to design a project to remove the fish passage blockage at the crossing of Ostrander Road and North Fork Ostrander Creek. The creek has 18.3 miles of habitat for Chinook, chum, and coho salmon and steelhead and cutthroat trout. The Cowlitz Indian Tribe is working on a project to remove another barrier upstream of the railroad crossing. Cowlitz County will contribute $56,85. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1620)

Cowlitz County **Grant Awarded: $242,250**
Replacing a Culvert on Garlock Road

Cowlitz County will use this grant to design a project to remove a culvert that poses a barrier to migrating fish at the crossing of Garlock Road and Delameter Creek, about one-quarter mile upstream of the confluence with the Monahan Creek. Delameter Creek has more than 8 miles of habitat for Chinook, chum, and coho salmon and steelhead and cutthroat trout. The County will contribute $42,750. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1617)

Cowlitz Indian Tribe **Grant Awarded: $530,893**
Restoring access to North Fork Ostrander Creek

The Cowlitz Indian Tribe will use this grant to design and remove a railroad culvert on Ostrander Creek to help fish access 18 miles of habitat. Connecting with the Cowlitz River will support winter steelhead and coho, fall Chinook, and chum salmon. The Tribe will contribute $100,000 from a Salmon Recovery Funding Board grant. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1558)

Grays Harbor — Grants Awarded: $590,408

Chehalis Basin Fisheries Task Force **Grant Awarded: $590,408**
Correcting Three Barriers on Geissler Creek

The Chehalis Basin Fisheries Task Force will use this grant to replace three culverts on separate road crossings on Geissler Creek in the Wynoochee River basin. The new structures will open 3.15 miles of spawning and rearing habitat to coho, Chinook, and chum salmon as well as steelhead and cutthroat trout. The Chehalis Basin Fisheries Task Force will contribute $102,621 in cash and a grant from the Salmon Recovery Funding Board. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1563)

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Island County — Grants Awarded: $544,718

Island County — Grant Awarded: $544,718
Correcting Barriers on Kristoferson Creek

Island County Public Works will use this grant to replace two barriers under Northeast Camano Drive. This will improve access for coho and chum salmon and cutthroat resident trout to Kristoferson Creek basin including excellent wetland rearing habitat above Northeast Camano Drive. These are the last remaining barriers to fish passage on Kristoferson Creek. The County will contribute $162,381 in a local grant. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1578)

Jefferson County — Grants Awarded: $397,163

Jefferson County — Grant Awarded: $198,850
Replacing a Culvert on Naylors Creek

The Jefferson County Department of Public Works will use this grant to plan and complete preliminary engineering, permitting, and a final design to place two culverts where Naylors Creek meets West Valley Road and Gibbs Lake Road. Once complete, this project would round out the correction of all culverts on 3.8 miles of the creek between West Valley Road and Gibbs Lake. This project will enhance available cold-water habitat for coho salmon and cutthroat and rainbow trout in Naylors Creek. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1588)

Jefferson County — Grant Awarded: $198,313
Replacing Culverts in Thorndyke Creek

The Jefferson County Department of Public Works will use this grant to design and permit the replacement of two culverts where Thorndyke Creek meets Thorndyke Road to improve access for migrating fish. With exception of protected wilderness areas, the Thorndyke Creek habitat upstream of the project is as close to the pre-1900 condition as is possible in western Washington. The downstream habitat and the Thorndyke Bay estuary are in a similar condition. The culvert replacements will eliminate the only significant downstream fish passage barrier in the Thorndyke Creek watershed. Coho and chum salmon and steelhead trout, all of which are listd under the federal

Endangered Species Act, will benefit from this project. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1579)

King County — Grants Awarded: $4,053,264

King County — Grant Awarded: $2,513,614
Removing Ravensdale Creek Culverts

The King County Department of Natural Resources and Parks will use this grant to remove two Ravensdale Creek culverts downstream of a barrier that the Department of Transportation is removing on State Route 169 north of Black Diamond. The county will replace one barrier with a bridge to ensure use of the Green to Cedar Rivers Regional Trail. Ravensdale Creek provides habitat for coho, Chinook, and chum salmon; lamprey; and cutthroat and bull trout. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1610)

Redmond — Grant Awarded: $400,000
Replacing a Culvert under Willows Road

The City of Redmond will use this grant to replace a culvert under Willows Road to enhance access for migrating fish and limit flooding at the 9600 block of Willows Road. This project, in conjunction with a Puget Sound Energy project upstream, will open .8 mile of stream to coho salmon and other fish. Redmond will contribute $278,520 in cash and a local grant. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1564)

Sammamish — Grant Awarded: $352,100
Designing Ebright Creek Fish Passage

The City of Sammamish will use this grant to correct two partial fish passage barriers near the mouth of Ebright Creek, one at East Lake Sammamish Regional Trail and the other at East Lake Sammamish Parkway Northeast. Correcting the barriers will remove the last blockage to spawning habitat for about 1 mile of stream. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1627)

Sammamish **Grant Awarded: $722,350**
Designing Fish Passage Improvements in George Davis Creek

The City of Sammamish will use this grant to design a project to replace three barriers to migrating fish at the George Davis Creek mouth at Lake Sammamish and 400 feet upstream of East Lake Sammamish Parkway. The project will create plans for two of the barriers to be replaced with open-channel stream sections, with the third replaced with a fish-passable culvert. The combined efforts will restore fish passage to more than .75 mile of high-quality, salmon spawning and rearing habitat. The creek is used by Lake Sammamish kokanee salmon and cutthroat and rainbow trout. The creek, at one time, also served as habitat for coho and sockeye salmon. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1632)

Snoqualmie Valley Watershed District **Grant Awarded: $65,200**
Creating Designs for Langlois Creek Culvert Replacement

The Snoqualmie Valley Watershed District will use this grant to design a project for the replacement of a culvert at the crossing of Langlois Creek and the Snoqualmie Valley Trail in Carnation. The goals of the project are to improve floodplain conditions, restore access to essential rearing and spawning salmon habitat, and improve drainage to increase farming opportunities in the Snoqualmie Valley. This project will build on other salmon habitat projects downstream and upstream. The creek is used by coho and possibly Chinook salmon. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1567)

Kitsap County — Grants Awarded: $2,561,337

Hood Canal Salmon Enhancement Group **Grant Awarded: $2,066,837**
Replacing a Seabeck Creek Culvert

The Hood Canal Salmon Enhancement Group will use this grant to restore access to spawning and rearing habitat for fish in Seabeck Creek. The project will remove a dysfunctional fish ladder, replace an undersized culvert with a bridge, re-grade the creek channel, and add logs and tree root wads. The project is at the culvert under Seabeck-Holly Road Northwest. The enhancement group will contribute $365,275 in a federal

grant and donations of labor. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1600)

Kitsap Conservation District **Grant Awarded: $494,500**
Restoring Fish Passage in Dickerson Creek

The Kitsap Conservation District will use this grant to restore access for migrating fish to the upper Dickerson Creek watershed. Creek barriers limit fish access to about 1 mile of high-quality, spawning and rearing habitat. Work will include removing roadbed fill in the floodplain and noxious weeds along the streambanks, planting native trees and shrubs along the banks, and placing woody material in the stream. The new riverbank plantings will help shade the water, cooling it for fish. The plants also drop branches and leaves into the water, which provide food for the insects salmon eat and places for salmon to rest and hide from predators. Finally, the roots of the plants help keep the soil from entering the water and burying spawning gravel. The woody materials, which are often tree root wads and logs, create places for fish to rest and hide from predators. They also slow the water, which reduces erosion and the amount of sediment in the creek. A slower creek allows small gravels to settle to the bottom for spawning areas. Finally, they change the flow of the river, creating riffles and deep cold pools, giving fish more varied habitat. The restoration will improve floodplain connectivity and increase habitat complexity. The project will benefit coho and chum salmon and steelhead and cutthroat trout. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1629)

Kittitas County — Grants Awarded: $2,652,910

Kittitas County **Grant Awarded: $1,306,080**
Restoring access to Coleman Creek

The Kittitas County Public Works Department will use this grant to build a culvert where Coleman Creek goes under highway at Vantage. This new crossing will provide access to .35 mile of habitat for spring Chinook and coho salmon and summer steelhead trout. Access to these valuable spawning and rearing habitats is a key step toward recovery and delisting for the entire Middle Columbia River Steelhead Distinct Population Segment. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1636)

Kittitas County Conservation District **Grant Awarded: $355,334**
Correcting Barriers in Caribou Creek

The Kittitas County Conservation District will use this grant to remove three irrigation diversion dams in Caribou Creek near Ellensburg to enhance fish passage. The District will consolidate the diverted water into one screened diversion to keep fish from entering the irrigation system. The project will provide access to .86 mile of habitat for Chinook salmon and steelhead trout, both of which are listed as threatened with extinction under the federal Endangered Species Act, and coho salmon, which is a federal species of concern. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1618)

Kittitas County Conservation District **Grant Awarded: $302,953**
Correcting Passage Barriers in Parke Creek

The Kittitas County Conservation District will use this grant to correct two fish passage barriers on Parke Creek, a tributary in the Wilson and Cherry Creeks watershed in the Kittitas Valley, about 3.7 and 4.1 miles from the Yakima River. The project will remove two gravity irrigation dams that are barriers to upstream fish passage and are unscreened to prevent fish getting into the irrigation system. The project will convert the on-farm irrigation systems to pump stations, which don't need a dam to maintain the needed water surface elevation. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1619)

Kittitas County Conservation District **Grant Awarded: $688,543**
Restoring Cooke Creek

The Kittitas County Conservation District will use this grant to improve a diversion structure in Cooke Creek by adding a proper fish screen and concrete fishway. The improved diversion will replace two irrigation diversion dams that block fish passage and sometimes trap fish in the irrigation systems. The district will be planting native plants along nearly a half-mile of the creek. Planting trees and bushes along a shoreline helps shade the water, cooling it for fish. The plants also drop branches and leaves into the water, which provide food for the insects salmon eat. Finally, the roots of the plants help keep soil from entering the water, where it can smother fish spawning gravel. The project will benefit steelhead trout, which are listed as threatened with extinction under the federal Endangered Species Act. The conservation district will contribute $421,747 in

state and federal grants. Visit RCO's online Project Snapshot for more information and photographs of this project. (18-1648)

Lewis County — Grants Awarded: $1,606,571

Lewis County — Grant Awarded: $68,200
Designing a Structure to Aid Fish Passage on a Middle Fork Newaukum Tributary

The Lewis County Public Works Department will use this grant to design a structure to aid fish passage on an unnamed tributary to the Middle Fork Newaukum River. The structure will restore access to 1.43 miles of habitat for coho salmon and steelhead trout. Once upstream barriers are removed, an addition 4.11 miles of habitat will be available. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1559)

Lewis County — Grant Awarded: $561,560
Improving Access to Scammon Creek

Lewis County will use this grant to replace two culverts on Graf Road that are a barrier to migrating fish due to low water levels. The project will restore access to nearly 11 miles of habitat, .19 acre of spawning habitat, and 4.6 acres of rearing habitat for coho salmon and cutthroat trout. The County will contribute $46,945 in donations of labor. Visit RCO's online Project Snapshot for more information and photographs of this project. (14-1267)

Lewis County — Grant Awarded: $97,730
Planning to Remove Barrier on the Middle Fork Newaukum River

The Lewis County Public Works Department will use this grant to design a structure in the Middle Fork Newaukum River that would replace a barrier on Centralia-Alpha Road and restore access for fish to nearly 6 miles of habitat. While this project would provide no additional access until the downstream barrier is removed, a nearby barrier has been removed and another nearby one has received funding and is should be replaced this year. This project will benefit coho salmon, which is a federal species of concern; steelhead trout, which is listed as threatened with extinction under the federal Endangered Species Act; as well as cutthroat trout. Visit RCO's online Project Snapshot for more information and photographs of this project. (18-2602)

Lewis County **Grant Awarded: $160,100**
Removing Barriers in Scammon

The Lewis County Public Works Department will use this grant to design a project to remove two barriers to migrating fish in Scammon Creek. The project would restore access to 11.41 miles of habitat once two barriers downstream as well as another nearby barrier are replaced. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1570)

Lewis County **Grant Awarded: $371,678**
Restoring Fish Passage in King Creek

The Lewis County Public Works Department will use this grant to design and build a fish passable structure where King Creek crosses a road. When combined with efforts to remove downstream barriers, this project will restore access to 2.3 miles of habitat for coho salmon and steelhead and cutthroat trout. An additional 2.5 miles of habitat will be accessible once the remaining upstream tributary barrier is removed. The County will contribute $123,892 in donations of labor. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1576)

Lewis Conservation District **Grant Awarded: $200,076**
Installing a Bridge across King Creek

The Lewis Conservation District will use this grant to install a steel bridge across King Creek where it passes over a private driveway that currently poses a barrier to migrating fish. Once combined with two projects downstream, this project will open 1.52 miles of habitat for coho, chum, and Chinook salmon and cutthroat and steelhead trout. The conservation district will contribute $35,308 in a federal grant. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1586)

Lewis Conservation District **Grant Awarded: $147,227**
Restoring Access to Scammon Creek

The Lewis Conservation District will use this grant to replace a culvert on Scammon Creek. The work, combined with other barrier removal work from Lewis County, will open 4.18 miles of upstream habitat to fish. This project will benefit Chinook salmon and steelhead trout, both of which are listed as threatened with extinction under the federal

Endangered Species Act, and by coho salmon, which is a federal species of concern. The conservation district will contribute $30,000 in a grant from the Salmon Recovery Funding Board. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1591)

Mason County — Grants Awarded: $1,180,395

Mason County — Grant Awarded: $339,788
Correcting a Fish Passage Barrier on Lower Uncle Johns Creek

Mason County will use this grant to design a structure to replace an undersized culvert and restore fish access to .4 mile habitat in Uncle Johns Creek, a tributary of Oakland Bay. Mason County also is replacing a barrier upstream, which compounds the benefits of this project. Project goals include unimpeded fish passage, restored stream and inter-tidal flow patterns, and restored natural processes. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1634)

Mason County — Grant Awarded: $420,304
Replacing a Culvert on Dayton Creek

Mason County will use this grant to replace two undersized culverts in Goldsborough Creek at Highland Road. The new structure will restore access to about .8 mile of cold-water tributary habitat for coho salmon and steelhead and cutthroat trout. Another culvert that Mason County is replacing upstream will multiply the project benefits. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1633)

Mason County — Grant Awarded: $420,303
Replacing a Culvert on Upper Uncle Johns Creek

Mason County will use this grant to replace an undersized culvert to restore fish passage and provide access to 1 mile of habitat in Uncle Johns Creek, a tributary of Oakland Bay. This project will benefit coho salmon and steelhead trout. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1635)

WASHINGTON STATE
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Okanogan County — Grants Awarded: $2,265,251

Trout Unlimited — **Grant Awarded: $489,673**
Improving Fish Passage in Johnson Creek

Trout Unlimited will use this grant to restore passage at the Johnson Creek State Street crossing in Riverside. Improving passage there will provide unimpeded access for Chinook salmon and steelhead trout to high-quality, upstream spawning and rearing habitat. Funding for this project will design and implement corrections for the culvert and channel erosion downstream of the culvert. This project will benefit Chinook salmon and steelhead trout, both of which are listed as threatened with extinction under the federal Endangered Species Act; and cutthroat trout. Trout Unlimited will contribute $90,000 in federal and other grants. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1594)

Trout Unlimited — **Grant Awarded: $1,294,908**
Replacing a Johnson Creek Culvert

Trout Unlimited will use this grant to replace an undersized culvert on Johnson Creek near the town of Riverside and correct an upstream trash rack, which is designed to keep garbage from getting into the creek. This project will help migrating steelhead and resident trout and Chinook salmon access high-quality upstream spawning and rearing habitat. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1595)

Trout Unlimited — **Grant Awarded: $480,670**
Restoring Fish Passage in Johnson Creek

Trout Unlimited will use this grant to restore passage for Chinook salmon and steelhead trout in Johnson Creek where it crosses Green Acres Road, west of Riverside. The project will help fish access high-quality, upstream spawning and rearing habitat. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1631)

Pierce County — Grants Awarded: $90,000

Pierce County — Grant Awarded: $90,000
Designing Fish Passage on Minter Creek

Pierce County will use this grant to design a correction to a partial fish passage barrier in Minter Creek at 118th Avenue Northwest in Pierce County. The project includes a site survey, hydraulic modeling, geotechnical assessment, cultural resources review, and designs. The future replacement of this barrier will open an additional 2.5 miles of habitat upstream to the next partial barrier at Pine Road in Kitsap County. Minter Creek is used by Puget Sound steelhead, which is a species listed as threatened with extinction under the federal Endangered Species Act, as well as by Chinook, chum, coho, and pink salmon and coastal cutthroat trout. The County will contribute $15,883. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1590)

Skagit County — Grants Awarded: $378,500

Skagit County — Grant Awarded: $332,000
Designing Improved Fish Passage in Fisher Creek

The Skagit County Public Works Department will use this grant to design corrections to a culvert and fishway, both of which pose a barrier to migrating fish in Fisher Creek as it crosses Cedardale Road. Correcting these two barriers will open access to 6.31 square miles of habitat. The creek is used by Chinook salmon and steelhead trout, both of which are species listed under the federal Endangered Species Act, and by chum and coho salmon and resident cutthroat and rainbow trout. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1581)

Skagit County — Grant Awarded: $46,500
Planning to Restore Access to Starbird Creek

Skagit County will use this grant to design a correction to a culvert that is a barrier to fish in Starbird Creek as it passes under Cedardale Road. The project is upstream of two other Fish Barrier Removal Board-funded projects. Restoration of this culvert will open 7.21 miles of predominately rearing habitat. The creek is used by steelhead trout, a species listed under the federal Endangered Species Act, and by coho salmon and

resident cutthroat and rainbow trout. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1580)

Snohomish County — Grants Awarded: $653,483

Snohomish County — Grant Awarded: $141,780
Replacing a Culvert on Sexton Creek

Snohomish County's Surface Water Management will use this grant to develop a conceptual design to remove a culvert on Sexton Creek, 90 feet upstream from the Pilchuck River. The project will include using a tool to assess climate change impacts, analyzing barriers upstream and downstream of the culvert, permitting, completing geotechnical investigations and cultural resources review, and developing a cost-estimate. The creek is suitable for use by Chinook, chum, coho, and pink salmon and steelhead and bull trout. The County will contribute $25,020. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1566)

Snohomish Conservation District — Grant Awarded: $224,459
Replacing a Barrier to Migrating Fish on Little Pilchuck Creek

The Snohomish Conservation District will use this grant to work with landowner Cedar Springs Camp to replace a partial barrier to fish passage on an unnamed tributary to Little Pilchuck Creek. The district will complete design, permitting, and construction. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1615)

Tulalip Tribes — Grant Awarded: $197,633
Studying Fish Passage at Lochsloy Dam

The Tulalip Tribes will use this grant to study fish passage at the Lochsloy Dam on Little Pilchuck Creek and develop 60 percent complete preliminary designs. The goal of the design is make the dam passable for fish, likely through removal, opening up 11.2 miles of habitat for coho salmon and steelhead and cutthroat trout. The project will involve stakeholder engagement with nearby landowners, staffing, and mediated conversations with a homeowners association. This project will benefit steelhead trout, which is listed as threatened with extinction under the federal Endangered Species Act; coho salmon,

which is a federal species of concern; as well as cutthroat and rainbow trout. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1603)

Wild Fish Conservancy **Grant Awarded: $89,611**
Planning to Restore Fish Passage in Catherine Creek

The Wild Fish Conservancy will use this grant to design and permit a bridge that will replace culverts at Callow Road in Catherine Creek, a small tributary that flows into Little Pilchuck Creek. The creek supports coho salmon, and summer and winter steelhead and rainbow and cutthroat trout. Replacing the crossing structures will improve water quality and help fish to access more than 1.8 miles of upstream habitat. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1616)

Thurston County — Grants Awarded: $1,700,000

Thurston County **Grant Awarded: $1,700,000**
Replacing a Culvert on Spurgeon Creek

Thurston County will use this grant to design and replace four culverts on Spurgeon Creek, two of which cross the Chehalis Western Trail and two of which cross Latigo Street. The County will replace the culverts with an 80-foot-long pedestrian bridge on the Chehalis Western Trail and a 46-foot-long bridge on Latigo Sreet Southeast. The County will complete a hydrologic analysis to understand the potential effect on the wetlands upstream and downstream of the culvert. Thurston County will contribute $300,000 in cash and donations of labor. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1604)

Walla Walla County — Grants Awarded: $1,785,641

Tri-State Steelheaders **Grant Awarded: $1,667,912**
Enhancing Fish Passage in Mill Creek

The Tri-State Steelheaders will use this grant to build a portion of a concrete channel to enhance access for migrating fish and resiliency to flooding. The existing flood control channel doesn't provide enough places for fish to rest, when the water flows are high, and can kill migrating fish when the water levels are too low and the water too hot. Visit

RCO's online Project Snapshot for more information and photographs of this project. (19-1613)

Tri-State Steelheaders **Grant Awarded: $117,729**
Designing MIll Creek Fish Passage

Tri-State Steelheaders will use this grant to complete final designs for passage improvements to a .2-mile section of Mill Creek channel between Spokane Street and Park Street in Walla Walla. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1614)

Whatcom County — Grants Awarded: $889,768

Bellingham **Grant Awarded: $447,268**
Restoring Access to Squalicum Creek

The City of Bellingham will use this grant to remove two barriers to migrating fish and facilitate720 feet of restored stream on Squalicum Creek, leveraging three prior fish passage projects to increase available habitat. A new culvert will allow fish access to 22 miles of habitat. The creek is used by Chinook salmon and steelhead, both of which are listed under the federal Endangered Species Act. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1601)

Whatcom County **Grant Awarded: $442,500**
Planning to Remove a Kenney Creek Barrier

Whatcom County Public Works will use this grant to prepare bid-ready designs to restore passage to more than 1.5 miles of habitat in Kenney Creek as it passes under North Fork Road. The project will include a site assessment, analysis, cost estimate, and outreach to neighbors, other agencies, and landowners. Removing the lowest barrier in the system will build upon upstream barrier removals. The County will contribute $80,000. Visit RCO's online Project Snapshot for more information and photographs of this project. (19-1565)