Focus on: 2020 Grant Round Application Summary

Photo by the Department of Ecology

Learn more

Visit the Streamflow restoration competitive grants webpage for more information.

Contact information

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Acronyms to know

WRIA: Water Resource Inventory Area
ESA: Endangered Species Act
MAR: Managed Aquifer Recharge
ASR: Aquifer Storage and Recovery
cfs: cubic foot per second
AFY: acre feet per year

ADA accommodations

Streamflow Restoration Competitive Grants

In January 2018, the Legislature passed the Streamflow Restoration law that helps restore streamflows to levels necessary to support robust, healthy, and sustainable salmon populations while providing water for homes in rural Washington.

The Legislature intends to authorize $300 million dollars over the course of 15 years to help with implementation of projects that improve streamflow. The funds are available statewide and administered through a competitive grant program.

Grant funding will help incentivize state and local agencies, tribal governments, and non-profit organizations to implement local watershed plans and projects.

Application summary for the 2020 grant round

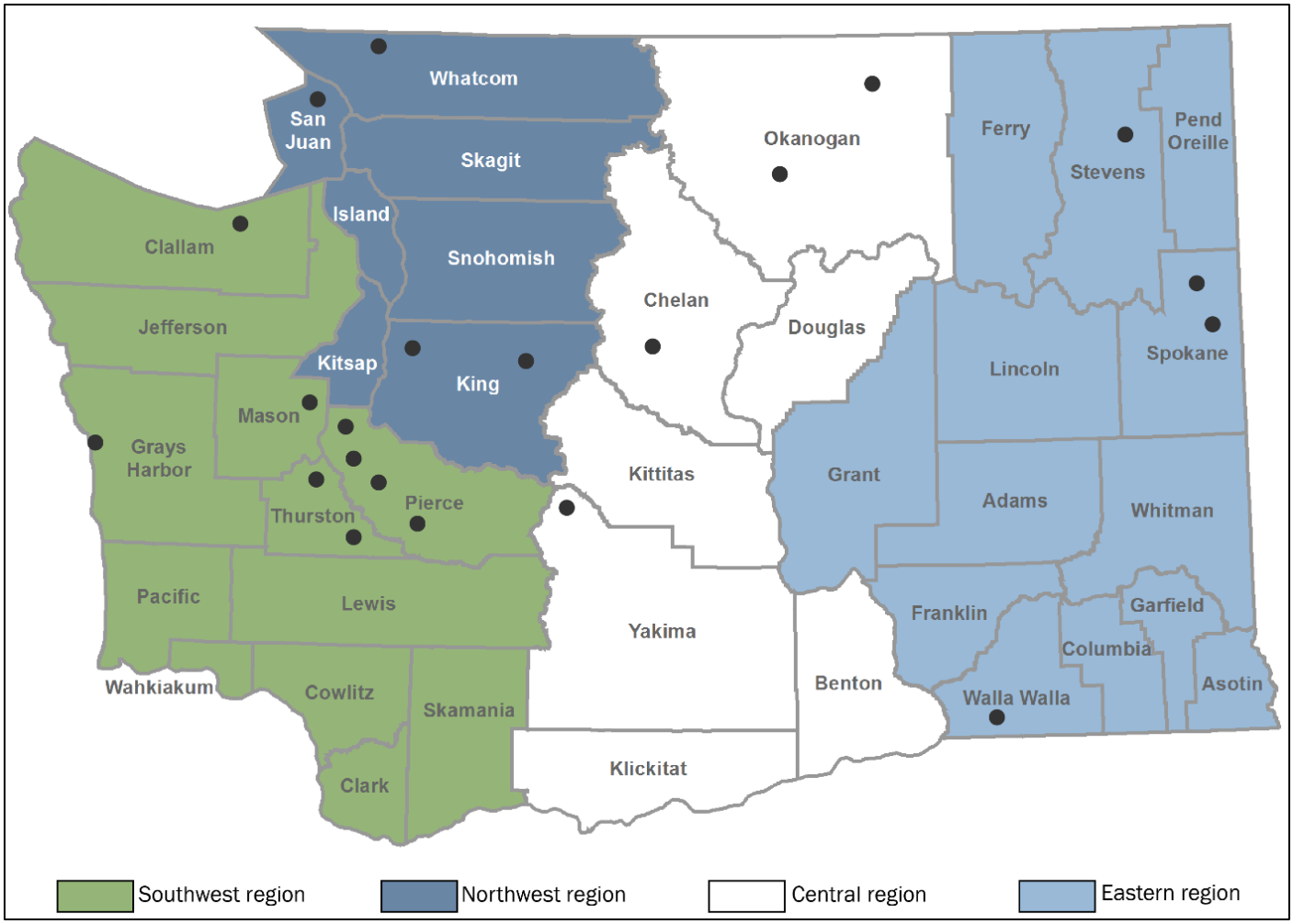
Ecology will invest up to $22 million in 21 high priority projects during this round. Ecology received 63 applications from organizations throughout the state, totaling a request close to $88 million.

Applications included a variety of projects that aim to improve streamflows, such as, streamflow supplementation, water right acquisition, water storage, feasibility studies, and floodplain, riparian, and wetland restoration.

All applications, including grant recipients, are summarized in this publication using information provided by applicants. Applications were reviewed for their technical merit and scored using the evaluation criteria in the grant guidance. Ecology announced the projects selected for funding in early October 2020.

Projects selected for funding in this round

Ecology will invest up to $22 million in 21 high priority projects throughout the state.



Organization Name	Project Title	Amount Requested
Chelan County – Natural Resources Development	Wenatchee Watershed Alluvial Water Storage and Streamflow Restoration	$327,224
City of Lynden – Public Works Department	City of Lynden Nooksack River Managed Aquifer Recharge (MAR) Project	$4,696,899
City of Snoqualmie	City of Snoqualmie ASR Program Development and Implementation	$477,400
City of Tacoma – Environmental Services Department	South Tacoma Channel Stormwater Infiltration Project Feasibility Study	$387,200
City Walla Walla	City of Walla Walla Well 5 Aquifer Storage and Recovery Project	$3,313,968
Clallam County Community Development	Dungeness Streamflow Restoration Off-Channel Reservoir	$3,875,699

Organization Name	Project Title	Amount Requested
King County – Water and Land Resources Division	Beaver Dam Analogs in the Upper Green River Watershed	$525,173
Methow Salmon Recovery Foundation	Restoring Streamflow after Wildfire in Okanogan & Methow River Sub-basins	$1,034,453
Mid-Columbia Fisheries Enhancement Group	Little Naches Longmire Levee Reach	$1,175,098
Nisqually Land Trust	Lower Ohop Creek Protection	$150,460
Nisqually Land Trust	Phase 2 WRIA 11 Prairie Tributaries Sub-basin Water Rights Assessment	$145,770
Nisqually River Foundation	Muck Creek Watershed Restoration Strategy and Project Prioritization	$431,000
Quinault Indian Nation	TransAlta Water Right Acquisition: Phase I Feasibility Study	$148,500
San Juan County Land Bank	Cascade Creek Flow Restoration Project for Native Salmonids	$250,000
Spokane County Utilities – Water Resources Section	Little Spokane - Bear Creek Managed Aquifer Recharge	$656,517
Spokane County Utilities – Water Resources Section	Little Spokane – Eloika Lake Water Storage & Wetland Restoration	$600,000
Squaxin Island Tribe	Skookum Valley Water Rights and Streamflow Restoration	$88,000
Stevens County – Land Services Department	WRIA 59 Stranger Creek Water Right Acquisition	$94,700
Thurston County – Community Planning and Economic Development	Lackamas/Toboton/Powell and Thompson/Yelm MAR Feasibility Study	$241,408
Thurston County – Water Resources Division	Hidden Forest Stormwater MAR	$222,956
Western Rivers Conservancy	Antoine Valley Ranch and Fanchers Dam Acquisition	$4,192,535

Summary of submitted applications

Ahtanum Creek Streamflow Supplementation

Organization name: Yakima County - Public Service Department

Amount requested: $161,000

WRIA: 37

Application number: WRSRP-2020-YaCoPS-00070

Project description

This project will provide mitigation for new permit-exempt, domestic well users in the upper Ahtanum Creek basin, which is currently closed to new building permits due to lack of mitigation. The project will construct a new well, 5,800 feet deep into the Grant Ronde Basalts aquifer, avoiding impacts to the Frenchman Hills aquifer which contribute flow to the surficial aquifer (Ahtanum Creek downstream).

Alderbrook Resort Wastewater Treatment Plant Water Reuse Feasibility Study

Organization name: Mason County Public Utility District 1

Amount requested: $285,000

WRIA: 14

Application number: WRSRP-2020-MCPUD1-00003

Project description

A feasibility study looking to reclaim 10 million gallons a year from the Alderbrook Wastewater Treatment Plant and using it to drastically offset the Alderbrook Golf Courses Irrigation, currently consuming roughly 23 million gallons a year. The study proposes improved monitoring program managed by PUD 1 and using purple pipes to move and store treated effluent to be used to irrigate seasonally.

Antoine Valley Ranch and Fanchers Dam Acquisition

Organization name: Western Rivers Conservancy

Amount requested: $4,192,535

WRIA: 49

Application number: WRSRP-2020-WeRiCo-00079

Project description

Western Rivers Conservancy, in partnership with the Confederated Tribes of the Colville Reservation and Trout Unlimited, seeks to acquire Antoine Valley Ranch in Okanogan County in WRIA 49 to improve streamflow within Antoine Creek, a tributary of the Okanogan River. Acquisition of the 2,524-acre ranch includes senior water rights, estimated at over 1,200 acre-feet, and Fanchers Dam, with its related storage 500 AF capacity.

Beaver Dam Analogs in the Upper Green River Watershed

Organization name: King County - Water and Land Resources Division

Amount requested: $525,173

WRIA: 9

Application number: WRSRP-2020-KCWLRD-00051

Project description

The project, Phase 1 of a 2-phase project, will map and prioritize potential sites to install 2 beaver dam analog (BDA) complexes in the Upper Green River Watershed (WRIA 9). We will conduct landowner outreach and work with landowners to select sites, then establish baseline monitoring at the sites of the future (Phase 2) BDA complexes to eventually determine their effectiveness at increasing water storage and streamflow, elevating water tables, restoring stream channels, and recruiting beavers.

Beavers for Streamflow - Central Washington

Organization name: Mid-Columbia Fisheries Enhancement Group

Amount requested: $376,981

WRIA: 29, 30, 31, 37, 38, 39

Application number: WRSRP-2020-MCFEG-00091

Project description

This project will improve base flows in rivers and streams in Central Washington though re-establishing beaver populations to benefit ESA-listed salmonids. Beavers improve flows by building dams that create ponds and pools, slowing runoff and raising water tables. The proposal will reintroduce 28–68 beavers, support landowners in maintaining beavers on the landscape, and add 20 beaver dam analogs in salmonid-bearing tributaries.

Big Quilcene Acquisitions for Summer Chum Habitat Restoration

Organization name: Jefferson County Public Health

Amount requested: $1,265,075

WRIA: 17

Application number: WRSRP-2020-JeCoPH-00136

Project description

The project will acquire 4 floodplain properties, 3.31 acres, in Quilcene in order to fill gaps in a locally extensive, protected open space geography. The properties are needed prior to final design and implementation of a major restoration of the lower three miles of the Big Quilcene River led by Hood Canal Salmon Enhancement Group (HCSEG) in partnership with the county and Trustee-Stakeholder group that includes tribes, agencies, NGOs, shellfish growers, landowners, and community members.

Black Slough Wetland Restoration

Organization name: Nooksack Indian Tribe

Amount requested: $293,689

WRIA: 1

Application number: WRSRP-2020-NookIT-00055

Project description

The project will include the feasibility, implementation, monitoring, and vegetation maintenance of a 10-acre wetland hydrology restoration project on two parcels in WRIA 1 SF Nooksack sub-basin. The portion of wetland to be restored is within the low gradient floodplain of the SF Nooksack in the Black Slough tributary. The two property owners are strong proponents of the project and have signed the landowner acknowledgement forms.

Blackjack/Ruby Creek Basin Habitat and Stream Flow Restoration Feasibility

Organization name: City of Port Orchard - Public Works Department

Amount requested: $135,000

WRIA: 15

Application number: WRSRP-2020-PoOrPW-00076

Project description

This feasibility study researches acquisition of properties and/or conservation easements within the Blackjack Creek sub-basin and the feasibility to protect and restore wetland, riparian and stream habitat. The proposed actions have been identified by the Suquamish Tribe in their Blackjack Creek Watershed Protection and Restoration Plan composed in December, 2017. Due diligence, site selection, survey of preferred sites, and a conceptual restoration design will be produced in the study.

Cascade Creek Flow Restoration Project for Native Salmonids

Organization name: San Juan County Land Bank

Amount requested: $250,000

WRIA: 2

Application number: WRSRP-2020-SJCoLB-00127

Project description

Our goal is to maintain a minimum of 1.0 cubic foot per second (cfs) of instream flow in Cascade Creek throughout the year. Specifically, this grant funding will be used to complete a water rights transfer from Orcas Water Holdings to the Washington Water Trust to protect an additional 0.75 cfs in June, 0.25 cfs in July and August, 0.5 cfs in September and October, and 1.0 cfs in November and December. The water rights owner supports the goals of this project and is a willing seller.

Cascades Beaver Reintroduction and BDA Project

Organization name: Cascade Forest Conservancy

Amount requested: $65,041

WRIA: 11, 26, 27, 29

Application number: WRSRP-2020-CaFoCo-00047

Project description

The waterways of the southern Washington Cascades provide critical habitat for fish and amphibians, many of which are designated as Threatened under the Endangered Species Act and currently at risk from climate change. The Cascades Beaver Reintroduction and BDA Project will reintroduce beavers and install beaver dam analogues (BDAs) in strategic locations along streams in the region, such as fish-bearing streams in the Nisqually River, Lewis River, Toutle River, and White Salmon River basins.

China Creek Restoration Project Phase 2

Organization name: City of Centralia

Amount requested: $492,614

WRIA: 23

Application number: WRSRP-2020-Centra-00033

Project description

China Creek Flood and Habitat Mitigation Project Phase 2. Phase 2 of this project will raise the storage level of the Agnew mill ponds to enhance storage downstream of the Phase 1 project. The flood benefits of the project include reduced/eliminated flooding of downtown businesses, preserving access along main travel corridors for emergency vehicles and the public. The project will also enhance fish and wildlife habitat of the China Creek ecosystem within the project boundary.

City of Lynden Nooksack River Managed Aquifer Recharge (MAR) Project

Organization name: City of Lynden - Public Works Department

Amount requested: $4,696,899

WRIA: 1

Application number: WRSRP-2020-LyndPW-00002

Project description

The Nooksack River Managed Aquifer Recharge (MAR) project goals are to increase river water flows and improve water quality during the low flow summer/fall months and provide water right mitigation by infiltrating river water during the winter/spring when instream flows are being met. The MAR facility will be located in a specific hydrogeological setting where the infiltrated water will provide relatively cool groundwater recharge to the river during the summer/fall.

City of Snoqualmie ASR Program Development and Implementation

Organization name: City of Snoqualmie

Amount requested: $477,400

WRIA: 7

Application number: WRSRP-2020-Snoqua-00096

Project description

The City of Snoqualmie would design and implement an Aquifer Storage and Recovery program using existing infrastructure. The City would divert water during high flows when water is seasonally available, convey it within its distribution system, and recharge a deep aquifer through existing wells. Some of the recharged water would be recovered by City wellfield operations for water supply, while the remainder would enhance streamflow in the Snoqualmie River, including during low flow periods.

City of Walla Walla Well 5 Aquifer Storage and Recovery Project

Organization name: City of Walla Walla

Amount requested: $3,313,968

WRIA: 32

Application number: WRSRP-2020-WalWal-00031

Project description

This ASR project will improve summer flows in Mill Creek by decreasing the City's surface diversions and replacing this water with Well 5 pumping. Well 5 is not currently authorized for ASR, so this project will pursue a new reservoir permit. This project proposes using existing water rights to divert winter flows to Well 5 for underground storage. The improved flow (3.79 cfs) will benefit 27 miles of Mill Creek and 35 miles of the Walla Walla River downstream of the diversion structure.

Decommission Groundwater Wells and Related Infrastructure

Organization name: King County - Natural Resources and Parks Department

Amount requested: $599,738

WRIA: 7, 8, 9, 10, 15

Application number: WRSRP-2020-KCoNRP-00088

Project description

King County seeks $599,738 to fund a project over a four-year term (2020-2024) to decommission, demolish, and/or remove groundwater wells, surface water diversion structures, and/or related infrastructure from prioritized parcels of County-owned real property.

Deer Lake Wetland Ecological Restoration Project

Organization name: The Lands Council

Amount requested: $92,300

WRIA: 59

Application number: WRSRP-2020-LandCo-00071

Project description

Deer Lake Wetland Ecological Restoration Project will use beaver dam analogs and native vegetative restoration to enhance current emergent wetland habitat, re-creating and increasing water retention capabilities providing temporal enhancement of downstream instream flows, wildlife habitat viability and wildfire risk mitigation.

Dungeness Streamflow Restoration Off-Channel Reservoir

Organization name: Clallam County Community Development

Amount requested: $3,875,699

WRIA: 18

Application number: WRSRP-2020-ClCoCD-00068

Project description

The Dungeness Reservoir will divert Dungeness River water during winter/spring high flows into off-stream storage to be used in late summer as an alternative climate-resilient irrigation water supply replacing typical river diversions. The Reservoir will restore 25-30 cfs of streamflow in the lower 10.7 mi. of the Dungeness aiding in habitat restoration for ESA-listed salmon, steelhead and bull trout and small stream restoration via aquifer recharge. This proposal seeks funding for construction.

East Fork Lewis River Flow Enhancement Project

Organization name: Clark Public Utility District

Amount requested: $3,300,000

WRIA: 27

Application number: WRSRP-2020-ClaPUD-00050

Project description

This project supports the restoration of instream flows in critical fish bearing rivers in SW Washington. The project improves base flows in the East Fork (EF) Lewis River by substituting upstream groundwater withdrawals with a tidally influenced downstream source near the Columbia River estuary. Paradise Point is the highest priority action of the WRIA 27/28 Watershed Plan and achieves a Net Ecological Benefit as indicated in 2018 Streamflow Restoration Act.

Enhancing Streamflow in the Allen-Quilceda Sub-Basin

Organization name: Snohomish Conservation District

Amount requested: $455,000

WRIA: 7

Application number: WRSRP-2020-SnohCD-00124

Project description

The Snohomish Conservation District (SCD) proposes to improve streamflow within the Allen-Quilceda sub basin through installation of green storm water infrastructure practices to increase storm water infiltration for groundwater and aquifer recharge. Activities will include pavement replacement, storm water pond retrofits, rural water catchment to offset well use, and a comprehensive outreach and education program. SCD will collaborate with the City of Marysville to implement this project.

First Street Grade Separation Project

Organization name: City of Davenport

Amount requested: $1,103,000

WRIA: 53

Application number: WRSRP-2020-CiDave-00093

Project description

Grade Separation Project between Cottonwood Creek and First Street.

Flow Restoration in Swale Creek Tributaries

Organization name: Mid-Columbia Fisheries Enhancement Group

Amount requested: $185,563

WRIA: 30

Application number: WRSRP-2020-MCFEG-00092

Project description

Funds are requested to improve flows, habitat, and watershed function in two high priority tributaries to Swale Cr. in WRIA 30. The work benefits ESA-listed steelhead and other fish. The project will remove a small dam and berm, add wood, riparian cover, and BDAs, and plan for additional restoration actions.

Heritage Farm Headwater Wetland Restoration

Organization name: Clark County - Public Works Department

Amount requested: $500,000

WRIA: 28

Application number: WRSRP-2020-ClCoPW-00021

Project description

This project will excavate a shallow floodplain bench and provide wetland restoration along a channelized section of Cougar Creek headwaters on Clark County's Heritage Farm property. This project implements a portion of the Heritage Farm master plan and addresses a priority of enhancing and restoring headwater wetlands within the Cougar Creek watershed. Primary benefits are wetland habitat creation, increased infiltration, and maintenance of cool summer base flows to downstream Salmon Creek.

Hidden Forest Storm Water MAR

Organization name: Thurston County - Water Resources Division

Amount requested: $222,956

WRIA: 11

Application number: WRSRP-2020-ThCoWR-00133

Project description

This project will study the feasibility of pumping approximately 140 afy of seasonal storm water and shallow groundwater from the Hidden Forest system to a new Managed Aquifer Recharge site, after pretreatment in a storm water facility, for streamflow benefits to Little McAllister Creek. The project envisions a new pipeline about 1.5 miles long. Tasks include evaluating MAR sites, water quality, modeling, Feasibility Study and a preliminary design suitable for funding.

Issaquah Creek In-Stream & Riparian Restoration - Lake Sammamish State Park

Organization name: Mountains to Sound Greenway Trust

Amount requested: $427,142

WRIA: 8

Application number: WRSRP-2020-MSGT-00095

Project description

The Mountains to Sound Greenway Trust will complete in-stream restoration and riparian buffer restoration along Issaquah Creek within Lake Sammamish State Park, a Tier 1 system in WRIA 8. This project will provide significant habitat benefits for juvenile Chinook and other salmonids including in-creek Large Woody Material placement for structural diversity and creation of floodplain and side-channel connectivity, resulting in more functional and complex refuge and foraging habitat.

Jones Creek Stream Flow Enhancement Project

Organization name: Adopt A Stream Foundation

Amount requested: $769,044

WRIA: 7

Application number: WRSRP-2020-Adopta-00014

Project description

This is a water storage/riparian and fish habitat enhancement project located along Jones Creek at the mouth of the Snohomish River. Jones Cr flows directly into the Qwuloolt Estuary. This basin has water impairments associated with local development and is used by critical salmonid species. AASF proposes to conduct a wetland and stream restoration project focused on water storage. Project benefits include improved water storage, increased base flow, water quality, and salmon habitat.

KRD Stream Supplementation provided by South Branch Canal Piping

Organization name: Kittitas Reclamation District

Amount requested: $14,986,444

WRIA: 39

Application number: WRSRP-2020-KittRD-00062

Project description

Fully funded, this water conservation project will eliminate water loss in a 20,800 feet section of KRD's South Branch Canal. The saved water will be delivered to flow-impaired streams through an allocation, management, and protection agreement, resulting in supplemental flow estimated at 2475.8 acre-feet (6.9 cfs) in important salmonid habitat and rapidly urbanizing areas. We are ensuring access to clean, cold water even during hot weather and droughts for fish in these streams.

Lackamas/Toboton/Powell and Thompson/Yelm MAR Feasibility Study

Organization name: Thurston County - Community Planning and Economic Development

Amount requested: $241,408

WRIA: 11

Application number: WRSRP-2020-TCoPED-00046

Project description

A feasibility study to evaluate 22 potential water offset sites in the Lackamas/Toboton/Powell and the Thompson/Yelm sub basins within WRIA 11. Improve streamflow and provide a direct benefit to fish with a combination of ditch removals, wetland and floodplain restoration, and water storage/managed aquifer recharge. Preliminary modeling indicates an average water offset benefit of ~25 AFY for each site, for up to~550 AFY. This will result in preliminary designs for the top five candidate sites.

Little Mountain Waterline Project

Organization name: Skagit County Public Utility District No 1

Amount requested: $1,880,940

WRIA: 3

Application number: WRSRP-2020-SCPUD1-00015

Project description

The Little Mountain Waterline Project is a 4-mile waterline extension by the Public Utility District No. 1 of Skagit County (District) that will connect residences on existing groundwater wells on a voluntary basis, as well as new users, to a public source of water. An estimated 7 million gallons of groundwater per year will then remain in the Carpenter Creek and Main Stem Nookachamps sub basins of WRIA 3, providing more consistent stream flows and supporting fish and wildlife habitat.

Little Naches Longmire Levee Reach

Organization name: Mid-Columbia Fisheries Enhancement Group

Amount requested: $1,175,098

WRIA: 38

Application number: WRSRP-2020-MCFEG-00077

Project description

This proposal would implement a fully designed and permitted restoration project at river mile 3.25 – 4.49 of the Little Naches River in Kittitas and Yakima Counties. Historic land-use practices have left a legacy of negative impacts on the system. The project will restore natural processes, including floodplain inundation and alluvial water storage, which will improve streamflow and benefit water quality, wildlife, and native fish including ESA listed bull trout and steelhead.

Little Spokane - Bear Creek Managed Aquifer Recharge

Organization name: Spokane County Utilities - Water Resources Section

Amount requested: $656,517

WRIA: 55

Application number: WRSRP-2020-SCUWRS-00006

Project description

The Bear Creek Managed Aquifer Recharge (MAR) project will increase flow in Bear Creek and Little Spokane River during critical low flow months by infiltrating surface water during high flow conditions that will return later as groundwater base flow. The project will divert 1 cfs over a 3-month period for a total of 182 AFY. Hydrogeological modeling, field investigations, feasibility, and preliminary design have been completed. This project includes final design, permitting, and construction.

Little Spokane – Eloika Lake Water Storage & Wetland Restoration

Organization name: Spokane County Utilities - Water Resources Section

Amount requested: $600,000

WRIA: 55

Application number: WRSRP-2020-SCUWRS-00044

Project description

The purpose of this project is to conduct the necessary field investigations, preliminary design, property owner outreach and coordination, permitting, and final design to construct a water level control structure at the outlet of Eloika Lake and restore and enhance 100 acres of wetland at the south end of the lake. The outlet control structure will allow storage of approximately 1,400 acre-feet of water and release of an additional 10 cfs over a period of 70 days during low flow periods.

Loup Loup Creek Conveyance Efficiencies Feasibility Study

Organization name: Washington Water Trust

Amount requested: $50,000

WRIA: 49

Application number: WRSRP-2020-WaWaTr-00090

Project description

This feasibility study will provide critical cost, benefit, and preliminary design information for proposed irrigation efficiency upgrades benefitting ESA-listed steelhead in Loup Loup Creek in the Okanogan Watershed (WRIA 49), a priority planning basin under RCW 90.94.020. The proposed project plans to evaluate variety of operational changes, distribution system improvements, and increased water delivery efficiency to restore 5-10 cfs of flows to the lower 2.5 miles of Loup Loup Creek.

Loup Loup Creek Habitat Restoration

Organization name: Okanogan Conservation District

Amount requested: $220,929

WRIA: 49

Application number: WRSRP-2020-OkanCD-00057

Project description

The Okanogan Conservation District will work with two landowners to restore 2.2 acres of riparian floodplain along 1,000ft of Loup Loup Creek, a tributary to the Okanogan River (WRIA 49). Okanogan CD will work with an engineer to develop and implement designs to increase floodplain connectivity and habitat complexity within 600ft of Loup Loup Creek. The projects will improve instream habitat for spawning and rearing ESA listed summer steelhead, and a reintroduced population of spring Chinook.

Lower Ohop Creek Protection

Organization name: Nisqually Land Trust

Amount requested: $150,460

WRIA: 11

Application number: WRSRP-2020-NiLaTr-00028

Project description

In preparation for the next phase of the Ohop Valley Floodplain Restoration Project, the Land Trust proposes to pursue permanent protection of an 11.4-acre property along the south shoreline of Ohop Creek. This property includes 0.13 mile of Ohop Creek shoreline, 4 acres of floodplain, and 4 acres of valley bluff. This property is immediately downstream and across the creek from 90 acres owned by the Land Trust.

Mission Creek Stream Flow Improvement

Organization name: Chelan County - Natural Resource Department

Amount requested: $489,250

WRIA: 45

Application number: WRSRP-2020-ChCoNR-00052

Project description

The purpose of this project is to increase instream flow in Mission Creek through the acquisition of three water rights and place them into the Trust Water Right Program. Mission Creek has naturally low stream flow, which is exasperated by out of stream water use for nearby orchards and domestic growth. Improved stream flow will benefit Steelhead, spring Chinook salmon and will mitigate future domestic use.

Muck Creek Watershed Restoration Strategy and Project Prioritization

Organization name: Nisqually River Foundation

Amount requested: $431,000

WRIA: 11

Application number: WRSRP-2020-NiRiFo-00125

Project description

We propose to develop a streamflow restoration strategy and a prioritized list of projects for the Muck Creek watershed within the Nisqually Watershed (WRIA 11). Muck Creek is an important salmon-bearing stream in the Pierce County Prairie Tributaries Sub-Basin. This project is the first phase of a multiphase approach to identify, prioritize, and construct projects that provide increased streamflow and net ecological benefit to the Muck Creek basin.

Newaukum Creek Riparian Restoration

Organization name: King County - Water and Land Resources Division

Amount requested: $1,103,000

WRIA: 9

Application number: WRSRP-2020-KCWLRD-00005

Project description

This project will restore 3 sites associated with Newaukum Creek totaling 53 acres. Actions will include removing structures, constructing a livestock exclusion fence on one site, and extensively planting trees and shrubs. These actions will attract beaver similar to what occurred at nearby restoration sites. Colonizing beavers will construct dams and maintain stream flows by ponding water. Shade from planted vegetation will moderate water temperature and reduce evaporation.

Nisqually Watershed Mashel River and Tributaries Protection

Organization name: Nisqually Community Forest

Amount requested: $4,363,336

WRIA: 11

Application number: WRSRP-2020-NiCoFo-00131

Project description

The Nisqually Community Forest proposes to acquire for protection and streamflow management 960 acres of commercial forestland along Busy Wild Creek, in the Nisqually Watershed's Mashel River sub-basin. The proposed acquisition includes approximately 6 miles of Busy Wild Creek shoreline and 4.6 miles of tributary streams and adjacent upland forest. Busy Wild Creek is the largest drainage in the Mashel River sub-basin; the Mashel River is the primary salmon-producing Nisqually River tributary.

Nisqually Watershed Powell Creek Protection

Organization name: Nisqually Community Forest

Amount requested: $2,585,836

WRIA: 11

Application number: WRSRP-2020-NiCoFo-00130

Project description

The Nisqually Community Forest proposes to protect 240 acres of mature Douglas fir forest along Powell and Elbow Lake creeks, two salmon-producing tributaries to the Nisqually River. The property is scheduled for clearcut timber harvest that would significantly reduce streamflow in a steelhead stream for at least the next 80 years. Acquisition will eliminate the possibility of clearcut harvest and maintain streamflow at approximately five times the flow rate versus if the property is clearcut.

North Creek Beaver Dam Analog/Log Jam Installation

Organization name: Adopt A Stream Foundation

Amount requested: $94,193

WRIA: 8

Application number: WRSRP-2020-Adopta-00048

Project description

Adopt A Stream Foundation will install 16 beaver analogs/logjams at three locations in the upper 2.5 miles of of North Creek, reducing peak flow during storm events and increasing groundwater recharge that will provide flow during dry periods; and provide prescriptions on how to improve stream flows to162 riparian landowners within that headwater reach. These actions will increase the water table, channel complexity, species diversity, and salmonid habitat.

Okanogan Basin Stream Supplementation

Organization name: Trout Unlimited

Amount requested: $404,079

WRIA: 49

Application number: WRSRP-2020-TroUnl-00016

Project description

This project will develop a long-term flow supplementation program that will increase stream flows and decrease temperatures in target fish bearing tributaries in the Okanogan Basin. This project will pilot a spring supplementation effort in Antoine Creek, undertake a system-wide assessment of Okanogan Tonasket Irrigation District (OTID) infrastructure modification opportunities, and conduct an Managed Aquifer Recharge (MAR) feasibility study.

Phase 2 WRIA 11 Prairie Tributaries Sub-basin Water Rights Assessment

Organization name: Nisqually Land Trust

Amount requested: $145,770

WRIA: 11

Application number: WRSRP-2020-NiLaTr-00019

Project description

The Nisqually Land Trust proposes to collaborate with the WRIA 11 Planning Unit, regional conservation organizations, and a water rights consultant to leverage existing relationships to further investigate water rights identified in the Nisqually Rapid Water Rights Assessment: Prairie Tributaries completed by Washington Water Trust in 2018; and pursue outreach to landowners and water rights holders to determine their willingness to participate in a water rights project to benefit streamflow.

Pine Creek Water Right Acquisition

Organization name: Okanogan Office of Planning and Development

Amount requested: $828,410

WRIA: 49

Application number: WRSRP-2020-OkanPD-00138

Project description

Water Right purchase of the Pine Creek water right, currently held in the State's Trust Water Right Program by Washington State Department of Ecology, Office of Columbia River. The Pine Creek Trust Water Right (CG4-23992(A)C), has 625.7 acre-feet of consumptive use available for mitigation downstream of Janis Rapids (RM 51), The County would like to purchase 625.7 acre-feet for water offset for consumptive use of permit exempt wells in WRIA 49 to meet requirements of RCW 90.94.020.

Project Development & Implementation of WRIA 11 Streamflow Restoration Plan

Organization name: Nisqually River Foundation

Amount requested: $200,000

WRIA: 11

Application number: WRSRP-2020-NiRiFo-00007

Project description

This proposal provides the WRIA 11 Planning Unit with the immediate essential capacity to implement its approved Streamflow Restoration Addendum. Activities include strategic planning and quantitative development and analysis for conceptual projects identified in the Addendum but not developed due to the abbreviated statutory deadline. We will develop a ranked project list with offset quantification, coordinate project development, and establish adaptive management and implementation metrics.

Restoring Streamflow after Wildfire in Okanogan & Methow River Sub-basins

Organization name: Methow Salmon Recovery Foundation

Amount requested: $1,034,453

WRIA: 48, 49

Application number: WRSRP-2020-MSRF-00010

Project description

MBP proposes to restore streamflow & floodplain connection in degraded stream channels impacted by fire in eight sub-basins of the Okanogan & Methow River watersheds using process-based restoration (PBR) strategies. Strategies include beaver dam analog & post assisted log structure installations, repair of derelict beaver dams, wood placement, riparian planting, & beaver translocation. Broad collaboration with state, federal & private partners make this scalable restoration proposal feasible.

Skookum Valley Water Rights and Streamflow Restoration

Organization name: Squaxin Island Tribe

Amount requested: $88,000

WRIA: 14

Application number: WRSRP-2020-SqIsTr-00060

Project description

The Squaxin Island Tribe Natural Resources Department proposes to do beneficial use analyses of certificated surface water and groundwater rights, where holders of those rights are willing, in the Skookum Valley (includes Hurley Valley) near Kamilche, WA. We also propose to establish a joint streamflow monitoring exercise with Ecology's Environmental Assessment Program (EAP). The overall goal for this project is to begin permanently restoring instream flows in Skookum Creek.

Snoqualmie Pass Utility District Targeted Streamflow Supplementation

Organization name: Snoqualmie Pass Utility District

Amount requested: $11,238,708

WRIA: 39

Application number: WRSRP-2020-SnPaUd-00083

Project description

The District seeks to replace its existing spray field with a Membrane Bioreactor (MBR) and discharge high-quality treated effluent to 2 upper Yakima River fish-critical tributaries. Discharge to both Coal and Gold Creeks will provide both direct instream flow benefits and be Total Water Supply Available (TWSA) positive to the Yakima River Basin. In addition, the District proposes to upgrade a lagoon to allow for the retiming of up to 40 acre-feet per year during fish critical low-flow periods.

South Fork Snoqualmie Levee Setback

Organization name: City of North Bend

Amount requested: $640,000

WRIA: 7

Application number: WRSRP-2020-NorBen-00025

Project description

The South Fork Snoqualmie River Levee Setback project is a multi-stakeholder approved effort to setback up to 2,500 feet of levee, resulting in: 25 acres of reconnected floodplain and increased floodwater storage; 12 acres of restored riparian habitat, ecosystem function, and processes; mitigation of climate change impacts on ESA-listed salmonid species downstream; reduced flood risk and long-term flood hazard management costs; and increased recreational opportunities for local communities.

South Tacoma Channel Stormwater Infiltration Project Feasibility Study

Organization name: City of Tacoma - Environmental Services Department

Amount requested: $387,200

WRIA: 12

Application number: WRSRP-2020-TacoES-00004

Project description

This feasibility study will investigate a proposed multi-site project to enhance streamflow in the Flett Creek Watershed. Major components include rerouting some of the City of Tacoma's stormwater flows, enhancing infiltration of stormwater in the South Tacoma Channel, and restoring ecological function of the Flett Wetland and stream channel. The feasibility study will identify and explore technical and permitting elements to guide preliminary project design and identify maintenance needs.

Springbrook Creek Preserve Protection and Restoration

Organization name: Bainbridge Island Land Trust

Amount requested: $257,050

WRIA: 15

Application number: WRSRP-2020-BaIsLT-00038

Project description

The Springbrook Creek Preserve project protects by acquisition 22.85 acres of undeveloped stream and associated riparian habitat identified as the highest priority for protection in the Springbrook Creek Watershed Assessment (SRFB Project # 14-1517). The preserve provides cold clean water to Springbrook Creek, designated critical habitat for federally listed threatened Puget Sound Steelhead. A fish passage barrier will be removed, providing access to excellent fish rearing habitat.

Stillaguamish River Basin (WRIA 5) Water Resource Projects

Organization name: Stillaguamish Tribe of Indians

Amount requested: $122,556

WRIA: 5

Application number: WRSRP-2020-StillTI-00098

Project description

The Stillaguamish Tribe of Indians proposes to pursue the acquisition of water rights and assess regional solutions to water supply that will improve instream flow in important tributaries to the Stillaguamish River and to the lower Stillaguamish River within WRIA 5. Within the study area, Church Creek, Portage Creek, Pilchuck Creek and the Stillaguamish River have been identified as having low-flow problems and are important streams for chinook, coho, steelhead, bull trout and other species.

Streamflow Enhancement Capital Projects

Organization name: AG Water Board of Whatcom County

Amount requested: $570,500

WRIA: 1

Application number: WRSRP-2020-AWB-00053

Project description

Complete partially completed and Ecology identified streamflow enhancement projects in agricultural areas of WRIA #1.

Suiattle River Watershed Restoration: Fish Passage Project

Organization name: National Forest Foundation

Amount requested: $159,053

WRIA: 4

Application number: WRSRP-2020-NaFoFo-00078

Project description

This project will replace an undersized culvert on a tributary to the Suiattle River, part of the Skagit River system to improve native salmonid habitat and stream flow. This is the final priority passage project in the Tenas Creek Watershed Restoration Action Plan to improve watershed function. This project is designed to increase the resilience of the watershed for times of drought and a changing climate and is supported by the Skagit River System Cooperative.

Sultan River Floodplain Activation

Organization name: Public Utility District No. 1 of Snohomish County

Amount requested: $900,000

WRIA: 7

Application number: WRSRP-2020-SnoPUD-00075

Project description

Project will reintroduce flow into a historic high-flow channel that only infrequently becomes wetted currently and only under extreme high flow conditions. This channel is approximately 2,600 feet in length with intermittent patches of intact riparian vegetation. The project will expand rearing opportunities for five salmonid species and provide refugia during flood flows. The project also provides a unique opportunity for expansion of the riparian community and subsequent preservation.

Tailrace Reconfiguration and Habitat Enhancement – Construction

Organization name: City of Sumner

Amount requested: $9,876,552

WRIA: 10

Application number: WRSRP-2020-Sumner-00023

Project description

Construction of improved riparian habitat and floodplain adjacent to the White River (RM 3.0 to 3.6) to serve as mitigation for the City of Sumner's domestic water right 's pilot project within ESSB 6091. The project will transform tailrace outflow of cool water from a straight ditch into a long tributary with instream habitat complexity, native riparian vegetation, forested wetland habitats, and a large area of reconnected floodplain; improve conditions for ESA-listed salmon.

TransAlta Water Right Acquisition: Phase I Feasibility Study

Organization name: Quinault Indian Nation

Amount requested: $148,500

WRIA: 23

Application number: WRSRP-2020-QuInNa-00089

Project description

Quinault Indian Nation (QIN) would like to provide substantial benefit to instream flows in the sub-basins that will be impacted by permit-exempt well water withdrawals over the next 20 years. Our goal is to reserve more water for instream flow uses, particularly those that have older priority dates. We believe this project would directly benefit salmon and other aquatic species that suffer from extreme low flow conditions during any part of the year.

Wenatchee Watershed Alluvial Water Storage and Streamflow Restoration

Organization name: Chelan County - Natural Resource Department

Amount requested: $327,224

WRIA: 45

Application number: WRSRP-2020-ChCoNR-00043

Project description

Since 2018 Chelan County (CCNRD) has worked collaboratively with Natural Systems Design to model alluvial water storage and streamflow restoration potential in the Wenatchee watershed. This project will implement targeted restoration actions to address channel incision at the top sites identified from modelling within the top 3 flow limited sub-watershed: Chumstick, Mission and Peshastin Creeks. Collectively these projects will restore 195.7 acre-feet of alluvial water storage in the Wenatchee.

Whitworth Water District Source Substitution

Organization name: Whitworth Water District #2

Amount requested: $1,143,899

WRIA: 55

Application number: WRSRP-2020-WhiWD-00128

Project description

Whitworth Water District (WWD), with the support of the Little Spokane River (LSR) Watershed Planning Unit, seeks funding to provide 400 acre-feet of future permit-exempt domestic offsets and ecological benefits. WWD proposes to construct infrastructure improvements that allow it to rely more on the Spokane Valley Rathdrum Prairie Aquifer (SVRP) and less on the LSR watershed. This Project will assist the Planning Unit to achieve a portion of the 20-year domestic well offsets.

WRIA 1 Watershed Market and Data Integration Project

Organization name: Whatcom County - Public Works Department

Amount requested: $1,325,000

WRIA: 1

Application number: WRSRP-2020-WhCoPW-00018

Project description

This project integrates watershed management priorities to holistically address water quality, water quantity, and salmon habitat issues by developing a drainage by drainage approach to be piloted in three drainages. Implementation of identified watershed enhancement actions will be achieved through Watershed Market development. To identify watershed management priorities and monitor progress, disparate data will be integrated with watershed monitoring in the Watershed Data Integration Project.

WRIA 55 Barrier Assessment and Prioritization

Organization name: Washington State Department of Fish and Wildlife

Amount requested: $371,458

WRIA: 55

Application number: WRSRP-2020-WaSDFW-00067

Project description

A full scale fish passage barrier assessment within the Little Spokane Watershed Inventory Area, WRIA 55.

WRIA 55 Fish Barrier Removal Project

Organization name: Spokane Conservation District

Amount requested: $130,250

WRIA: 55

Application number: WRSRP-2020-SpoCoD-00063

Project description

This project will replace a stream crossing located on Deer Creek that is classified as a zero percent passable fish barrier. This barrier blocks salmonid migration to more than 9.44 miles of excellent spawning and rearing habitat. The project will the replacement of the existing culvert with a pre-fabricated steel bridge superstructure set on pre-cast concrete abutments, with pre-cast concrete end-wall closures and a gravel driving surface.

WRIA 59 Reidel Creek MAR – Groundwater Infiltration Project

Organization name: Stevens County - Land Services Department

Amount requested: $342,191

WRIA: 59

Application number: WRSRP-2020-StCLSD-00129

Project description

In December 2019, the Colville River Watershed (WRIA 59) planning unit approved a WRIA 59 Watershed Plan Addendum to identify projects to offset impacts for future permit-exempt domestic water uses. In the summer of 2019, a Feasibility Study on a potential surface water diversion and groundwater infiltration project in the Reidel Creek (tributary to Haller Creek) basin was conducted. This study showed this project is feasible.

WRIA 59 Stranger Creek Water Right Acquisition

Organization name: Stevens County - Land Services Department

Amount requested: $94,700

WRIA: 59

Application number: WRSRP-2020-StCLSD-00026

Project description

Stevens County seeks funding to acquire a water right to be used to offset the consumptive use of future permit-exempt domestic groundwater uses and benefit aquatic resources in the Colville River Watershed. In December 2019, the WRIA 59 planning unit approved the Watershed Plan Addendum. In the Addendum, the planning unit identified this Water Right acquisition as a priority Project to offset future permit-exempt domestic uses and provide instream flows to benefit aquatic resources.

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