



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

FCD Resolution FCD2021-07

Proposed No. FCD2021-07.1

Sponsors

1 A RESOLUTION relating to the operations and finances of the
2 King County Flood Control Zone District; authorizing the
3 expenditure of District funds for projects and activities in Water
4 Resource Inventory Areas 7 (Snoqualmie Watershed portion) 8, 9
5 and 10 (King County portion).

6 WHEREAS, the King County Flood Control Zone District's
7 comprehensive plan prioritizes expanded partnerships and collaborations with
8 watershed forums, and

9 WHEREAS, the King County Flood Control District's comprehensive
10 plan emphasizes the consideration of fish and wildlife habitat when managing
11 flood-risk, and

12 WHEREAS, the King County Flood Control District ("the District")
13 seeks to protect public safety and promote the recovery of native salmon
14 species, and

15 WHEREAS, the District adopts an annual work program, budget,
16 operating budget for King County, capital budget and six-year capital
17 improvement program pursuant to chapter 86.15 RCW, and

18 WHEREAS, the District desires to continue funding watershed resource
19 inventory area ("WRIA") activities and projects that are identified using a

FCD Resolution FCD2021-07

20 process for awarding WRIA grants in which the WRIA forums made grant
21 recommendations to the District and the King County water and land resources
22 division administers the grant processes, and

23 WHEREAS, in establishing the District's 2021 amended budget, the
24 District provided \$9,838,254 in funding for projects and activities in WRIs 7
25 (Snoqualmie Watershed portion), 8, 9 and 10 (King County portion);

26 NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF
27 SUPERVISORS OF THE KING COUNTY FLOOD CONTROL ZONE
28 DISTRICT:

29 SECTION 1. A. The Board authorizes the funding of water quality and water
30 resources and habitat restoration projects and activities as follows:

- 31 1. WRIA 7 (Snoqualmie Watershed portion) - \$1,937,833;
- 32 2. WRIA 8 - \$3,686,542;
- 33 3. WRIA 9 - \$3,711,116; and
- 34 4. WRIA 10 (King County portion) - \$502,763.

35 B. The amounts listed in subsection A. of this section are in accordance with the

FCD Resolution FCD2021-07


36 projects, grant recipients and individual grant amounts described in Attachment A to this
37 resolution.

38

FCD Resolution FCD2021-07 was introduced on and passed by the King County Flood Control District on 7/13/2021, by the following vote:


Yes: 9 - Ms. Balducci, Mr. Dembowski, Mr. Dunn, Ms. Kohl-Welles, Ms. Lambert, Mr. McDermott, Mr. Upthegrove, Mr. von Reichbauer and Mr. Zahilay

KING COUNTY FLOOD CONTROL ZONE
DISTRICT
KING COUNTY, WASHINGTON

DocuSigned by:

E76CE01F07B14EF...

Dave Upthegrove, Chair

ATTEST:

DocuSigned by:

8DE1BB375AD3422...

Melani Pedroza, Clerk of the District

Attachments: A. 2021 Cooperative Watershed Management Grants

ATTACHMENT A: 2021 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
SNOQUALMIE/SF SKYKOMISH WATERSHEDS IN WRIA 7						
7	2022 Snoqualmie Restoration and Project Assistance Program	King County Water & Land Resources	The 2022 Snoqualmie Restoration and Project Assistance Program is an ongoing effort managed and delivered by the Snoqualmie Watershed Forum staff to maximize success in implementing the 2005 Snohomish River Basin Salmon Conservation Plan (Salmon Plan) in the King County portion of WRIA 7. The program will (1) assist project implementers in identifying, developing and advancing high priority habitat projects, water quality improvement and planning efforts, (2) conduct Forum-led project coordination activities, and (3) support regional watershed management through policy and technical coordination.	\$26,709	\$135,000	\$135,000
7	2022 Snoqualmie River Juvenile Salmon Outmigration Monitoring	Tulalip Tribes	The project seeks to continue the annual monitoring of juvenile salmon outmigration in the Snoqualmie River Basin utilizing a rotary screw trap located at river mile 12.2 on the Snoqualmie River in 2022. This project is a part of the overall Snohomish Basin juvenile salmon out migration monitoring effort which began in 2001 and which provides ongoing status, trends and abundance monitoring needed to support run forecasting, and is a quintessential indicator of successful salmon recovery monitoring in the Snohomish Basin.	\$0	\$40,000	\$40,000
7	Validating Snoqualmie River Juvenile Salmon Habitat Use and Associations	King County Water & Land Resources	The project proposes to conduct juvenile salmonid and habitat sampling in the lower Snoqualmie River to inform and validate watershed-specific juvenile salmonid habitat associations. Better understanding these associations is critical for Snoqualmie-specific restoration strategies, project designs, and adaptive management.	\$0	\$116,199	\$116,199
7	Fall City Floodplain Shallow Groundwater Well Monitoring	Snoqualmie Indian Tribe	The project proposes to install an array of shallow groundwater wells with data logging equipment to monitor groundwater levels in the vicinity of the Fall City Floodplain Restoration Project for approximately 2 years. The goal of this project is to help improve understanding of how floodplain reconnection projects in the Snoqualmie Valley may influence local groundwater-surface water interactions, and potentially support streamflow.	\$72,000	\$142,048	\$182,048
7	Haberzette Riparian Restoration	Sound Salmon Solutions	The project proposes to control invasive vegetation and install native vegetation on 840 feet of the right bank upper mainstem Snoqualmie River and 725 feet of the right bank of an unnamed tributary, totaling 3.68 acres, to improve water quality and salmon habitat.	\$500	\$81,377	\$81,377

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
7	Snoqualmie River Riparian Restoration at Snoqualmie RV Park, Phase 2	Mountains to Sound Greenway Trust	The project sponsor, in partnership with King County and community volunteers, will build on current restoration efforts at the former Snoqualmie River RV Park and start restoration work at the adjacent King County parcel to the west. Restoration efforts will include over 10 acres of invasive species control and the installation of at least 4,000 native trees and shrubs with the riparian buffer of the Snoqualmie River.	\$5,000	\$66,793	\$66,793
7	Soderman Creek Restoration and Fish Blockage Removal	WA Department of Natural Resources	The project proposes to remove an outdated, fish-blocking concrete water quality monitoring station, 50 feet of exposed asbestos concrete water-piping and a water tank cistern along Soderman Creek. This includes the reconstruction and abandonment of 508 feet of a spur access road to the infrastructure located on Soderman Creek. DNR will provide matching funds for the abandonment of 1,128 feet of forest road and the removal of two fish-blocking culverts on the tributaries to Soderman Creek.	\$34,141	\$83,382	\$83,382
7	Harris Creek Riparian Restoration Ph II	Ducks Unlimited	The project proposes to implement a second 5-acre riparian planting phase along lower Harris Creek, building on a previously funded CWM project. Together the plantings will restore 4,500' of riparian habitat along the stream within WDFW's Stillwater Wildlife Unit.	\$2,000	\$112,987	\$73,844
7	Climate-Resilient Snoqualmie Riparian Restoration	Oxbow Farm & Conservation Center	The project proposes to remove invasive blackberry and establish a high-diversity native forest buffer, designed for climate-resilience and to support climate-focused research, on 750 linear feet (1.2 acres) of riparian land along the mainstem Snoqualmie River. Long-term fixed plots will be installed to evaluate health and growth of 12 native trees, including genotypes of 2 native species from southern seed zones.	\$12,000	\$24,510	\$24,510
7	Cherry Creek Phase 2 – Floodplain Reconnection	Snoqualmie Valley Watershed Improvement District	The project proposes to restore and enhance approximately 7-acres of salmonid spawning and rearing habitat. This phase includes removal of a temporary berm placed in October 2020, excavation of a secondary channel, additional berm removal to enhance floodplain connection, installation of a low, setback, earthen berm for habitat and minor flood protection, and installation of large wood and native plants throughout the project area.	\$64,500	\$541,107	\$150,000
7	Youth Watershed Education, Stewardship, and Community Science	Nature Vision	Up to 350 students from the Riverview and Snoqualmie Valley School Districts will participate in Nature Vision's educational programming, including restoration field trips and community science projects. 14 classes of 3rd-12th grade students will become "Blue Teams" by completing an education-based action project and participating in data collection aiming to improve salmon habitat and water quality.	\$32,701	\$35,264	\$35,264

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7	Cherry Creek Mainstem Restoration Ph. 3	Wild Fish Conservancy	The project proposes to construct Phase 3 of the Lower Cherry Creek Restoration Project, located just upstream of the confluence of Cherry Creek and the Snoqualmie River, in the Snoqualmie River floodplain. The objective of the project is to improve instream and riparian habitat conditions along approximately 1200 feet of the lower mainstem of Cherry Creek. The project includes the removal of bank armoring, the installation of large woody debris structures, and re-contouring the banks of the channel to create riparian habitat benches.	\$200,000	\$350,000	\$350,000
7	Chinook Bend-Tolt LWD Assessment	Wild Fish Conservancy	This project proposes to conduct public outreach to assess recreational boater usage in a 4-mile reach of the Snoqualmie River that is critical salmon habitat. The project proposes to then use the information gained from the public outreach to inform the design of conceptual Large Woody Debris (LWD) habitat restoration treatments in the reach.		\$60,000	\$60,000
7	Tolt River Natural Area Acquisition	King County Water & Land Resources	The project proposes to purchase 32.16 acres of river-front property on the Tolt River for habitat preservation and minimal restoration. The property has high quality salmon habitat including gravel bars, wetland ponds, connected floodplain and backwaters in a top priority sub-basin for salmon recovery.	\$970,000	\$300,000	\$300,000
7	Griffin Creek Conservation Easement	King County Water & Land Resources	The project is seeking funding assistance to help fund the acquisition of a conservation easement on property that has Snoqualmie mainstem riverfront and contains lower Griffin Creek. A conservation easement would provide King County the opportunity to design and implement a habitat restoration project that improves salmon habitat and reduces flood damage on nearby farms.	\$125,000	\$125,000	\$125,000
7	South Fork Skykomish Riparian Revegetation	Forterra	Forterra will revegetate riparian areas and continue control on invasive knotweed infestations with the ultimate goal of creating functional riparian habitats that will benefit ESA-listed fish populations as well as other aquatic and terrestrial species. 100% of the riparian corridor along the South Fork Skykomish River within King County will enter a 'maintenance phase' meaning there will be less than 5% of the original knotweed infestation and areas can be transitioned toward riparian revegetation projects, thereby reducing the need for future herbicide applications to every other year rather than annual.	\$75,000	\$233,242	\$125,000
7	Lake Rasmussen Aquatic Weed Treatment	City of Duvall	The project proposes to eliminate a Class B noxious weed (<i>Egeria densa</i>) that has been observed in the City of Duvall's Lake Rasmussen. The City would partner with staff at the King County Noxious Weed Control Program who are currently working on getting an herbicide permit ready to start	\$17,800	\$19,100	\$10,300

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			work this summer to treat the plant and prevent it from spreading downstream to the Snoqualmie River.			
7	Equitable Green Opportunities for Youth in Highline	Mountains to Sound Greenway Trust	The project sponsor is seeking funding for Equitable Green Opportunities for Youth in Highline (EGOYH), a summer internship program created in partnership with the Highline School District and Pacific Education Institute. Over a six-week summer internship focused on ecological restoration (emphasizing on-the-ground applications), EGOYH equips teens with knowledge, skills, and inspiration they need to pursue conservation careers while they earn a stipend and school credit.	\$105,139	\$56,109	\$34,205
7	Community Action Training School (CATS 2022)	Sound Salmon Solutions	The project proposes further investment in CATS. The Community Action Training School (CATS) program provides participants with the knowledge, skills, confidence, and support to plan and implement on the ground projects to improve water quality and aid in salmon recovery. CATS participants learn from experts through formal presentations, field experiences, and guided discussions while receiving ongoing mentoring from their program facilitators to develop their own community-driven stewardship action projects to improve watershed health.	\$6,921	\$22,950	\$22,950
7	WRIA 07 – KC Fish Passage Barrier Supplementation (Ph. I)	Wild Fish Conservancy	The project sponsor and partner propose utilizing the Washington Department of Fish and Wildlife Fish Passage Inventory and Assessment protocol to evaluate fish passage at 217 fish passage structure sites and 43 natural barriers which have not been assessed in the previous five years and have been identified as data gaps within currently classified fish-bearing waters and/or within high priority sections of the selected sub-basins (Cherry Cr, Harris Cr., Patterson Cr., and mid-mainstem Snoqualmie).		\$136,163	\$0
7	Seattle Audubon Property Riparian Restoration Ph. I	Sound Salmon Solutions	The project proposes to control invasive vegetation and install native vegetation on 950 feet of the right bank upper-mainstem Snoqualmie River and 595 feet of both banks of an unnamed tributary, totaling 5.12 acres, to improve water quality and salmon habitat.		\$118,859	\$0

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7	Beaver dams: baseline data and device functionality	King County Water & Land Resources	The project proposes to collect hydraulic data on 6-8 beaver dams 12-14 times per year, to begin to build a dataset for how the dams store water year-round, pass water during low flows and high flows, and change over time in order to have data to compare to beaver dams with pond levelers as well as, eventually, with beaver dam analogs. Some groups and plans promote the use of beavers for salmon recovery and climate change mitigation, other people need solutions for coexisting with animals whose efforts flood their land; this work is aimed at providing data to support both.		\$45,352	\$0
7	Stossel and Cherry Creek Beaver Dam Analog Risk Assessment	Ducks Unlimited	The project proposes to assess risk of Beaver Dam Analog at previously identified locations for small scale water storage in Cherry and Stossel Creek.		\$13,709	\$0
7	Wallace Acres Livestock Exclusion and Riparian Restoration, 2021	Stewardship Partners	The project proposes to install 1.5 miles of livestock exclusion fence and restore approximately 3,000 linear feet (6.2 acres) of riparian habitat along the north facing, left bank of the mainstem Snoqualmie River at Wallace Acres Farm near Duvall, WA.		\$130,620	\$0
7	Snoqualmie Yearling Chinook eDNA	Wild Fish Conservancy	This project proposes to expand on a recently-completed CWM-funded assessment focused on understanding basin-wide juvenile yearling chinook habitat use and distribution patterns (Kubo 2021). Project results would increase our understanding of juvenile Chinook summer habitat distribution in floodplain tributaries of the Snoqualmie River watershed to refine habitat restoration and protection strategies for salmon recovery efforts in the watershed.		\$69,316	\$0
7	SV Trail Channel Widening and Wetland Creation / Enhancement Project	City of North Bend	The project proposes to create and enhance wetland and associated buffers in the North Bend area to increase the cooling and natural water quality treatment prior to discharge into the South Fork Snoqualmie River. There is a drainage swale just up from the wetland site that is an outlet for a drainage area of approximately 100 acres which would also be improved with City match.		\$225,000	\$0
7	SV Storytelling through PhotoVoice	King County Water & Land Resources	The project proposes to bring the globally-recognized PhotoVoice https://photovoice.org training to the Fish, Farm, Flood Implementation Oversight Committee (FFF) to train members how to take photos that bring storytelling and community engagement to the forefront of the FFF. Members would be trained in photography and then sent out into the Valley to take photographs that answer questions such as "What does the		\$37,847	\$0

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			Snoqualmie Valley mean to you”, “How do you support salmon recovery” and “How do farms support conservation” and “how do fish support farms” then displayed in an art installation that will heighten the sense of place and belonging as well as increase mutual understanding among FFF committee members and the community they represent.			
7	Snoqualmie Valley 2D Modeling	King County Water & Land Resources	The project proposes to build a 2-Dimensional Unsteady State (2D) hydraulic computer model of the lower Snoqualmie Valley to provide for more sophisticated near term analysis of: opportunities for augmenting Valley infrastructure proposals with habitat restoration components; cumulative impacts of habitat and infrastructure on Valley land uses; vulnerable road segments under a variety of flood events (small to large); and, potential fish passage barriers. In the longer term, the 2D model, if connected with the Snohomish River 2D model, may allow for robust analysis of climate impacts on Valley water courses and under various forest management scenarios.		\$80,001	\$0
			WRIA 7 Subtotals <i>*Leveraged Funds total for recommended projects only</i>	\$1,749,411	\$3,401,935	\$2,015,872
WRIA 7 NOTES:						
<ul style="list-style-type: none"> <u>Rationale for unfunded projects:</u> Total funding requests exceeded total available funding by \$1.4 M. As such, difficult funding recommendations were made based on rigorous evaluation criteria and discussion by the Project Review Committee. Projects not receiving funding on this list are important projects, but were simply not as competitive as those that received full or partial funding. <u>Rationale for partial funding:</u> Projects that could be easily phased were awarded partial funding with the understanding that these projects will need future funding to accomplish their goals. In one case – the Fall City Floodplain Shallow Groundwater Well Monitoring Project - the Project Review Committee concluded that the requested funding was too conservative and should be increased, given the importance of its proposed scope of work. This project represents an unprecedented opportunity to closely monitor the largest floodplain reconnection project ever proposed in Snoqualmie Valley, which may ultimately help partners to leverage other funding sources and make even a stronger case for future floodplain reconnection projects (e.g. by documenting benefits such as increased hydrologic storage). 						
WRIA 8						
8	Restoration of Mapes Creek Mouth and Salmon Habitat at Be'er Sheva Park Shoreline	Seattle Parks Foundation	Enhance the lake shoreline aquatic habitat and ecological community in the Tier 1 migration corridor in the proximity of Be'er Sheva Park in order to increase juvenile Chinook salmon survival rates. Activities will focus on increasing the amount of suitable shoreline habitat, stream mouth rearing habitat, diverse upland riparian vegetation, and food supply, while decreasing invasive plant species, pollution runoff, and predation.	\$700,000	\$504,556	\$504,556

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8	Little Bit Reach Restoration Project	King County Water & Land Resources	This restoration project will enhance fish habitat on approximately 650 lineal feet of Bear Creek adjacent to previous restoration/enhancement projects. The goal of the project is to increase the volume and availability of off-channel habitat for juvenile salmonids and to increase overall channel complexity and habitat quality.	\$968,000	\$162,000	\$162,000
8	Lower Issaquah Creek Stream and Riparian Habitat Enhancement	City of Issaquah	The project will restore instream and riparian habitat along approximately 1,200 feet of Issaquah Creek in the City of Issaquah, generally between SE 62nd Street and SE 60th Street. The project proposes to increase floodplain habitat by incorporating side and backwater channels, remove existing bank armoring to increase channel habitat, place large woody debris in the main channel and backwater/side channels, remove invasive plant species and plant native trees and shrubs. These activities will benefit threatened Chinook salmon and other fish species and wildlife.	\$672,620	\$800,000	\$792,150
8	Kelsey Creek Lake Hills Connector Barrier Correction – Phase I Feasibility	City of Bellevue	The Kelsey Creek stream crossing under the westbound lanes of the Lake Hills Connector in Bellevue is listed by the Washington Department of Fish and Wildlife (WDFW) as a full fish passage barrier. Phase 1 of this project will result in selecting a preferred alternative to remove this barrier and restore fish passage to over five river miles of upstream quality habitat.	\$114,100	\$200,060	\$150,000
8	Arrowhead Property Conservation	Forterra	Conservation of the 6.46-acre undeveloped forested Arrowhead parcel just north of St. Edward State Park in Kenmore will protect 245 feet of lake shore along Lake Washington and 870 feet of forested riparian stream frontage. The permanent protection of the property will preserve good quality functioning wildlife habitat, including nearshore shallow-water to serve aquatic salmon species and regional terrestrial wildlife connectivity.	\$2,500,000	\$500,000	\$250,000
8	Evans Creek Relocation	City of Redmond	Prepare 90% complete Plans, Specifications and Estimate for this project to relocate reach 2 of Evans Creek out of an industrial area and into adjacent floodplain wetland, enhancing in-stream and riparian habitat for salmon.	\$620,000	\$500,000	\$450,000
8	Luther Burbank Park South Shoreline Restoration	City of Mercer Island	Install spawning gravels, large woody debris and shoreline plantings on approx. 785 linear feet of unarmored forested shoreline on Lake Washington. Goals are to improve nearshore habitat for juvenile salmon and to retain and enhance mature riparian forest vegetation.	\$500,000	\$75,000	\$75,000
8	Bear Creek Reach 6 Restoration Phase III Conceptual Design	Adopt a Stream Foundation	AASF is requesting funds to investigate the feasibility of stream restoration along 1,055 linear feet of Bear Creek and 2.5 acres of riparian habitat at the Friendly Village mobile home park in Redmond, WA. Project will include landowner and resident outreach, investigating the feasibility of side	\$0	\$153,475	\$44,922

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			channels, off channel and floodplain reconnection, conceptual designs and monitoring of a recently installed (2020) downstream restoration project.			
8	Cedar River Trees for Streams III	Forterra	Through the Cedar River Stewardship-in-Action (SiA) Partnership, Forterra intends to continue to control knotweed infestations along the Cedar River, adopting revised strategies that reflect a reduced infested footprint in the basin. This proposal aims to increase native plantings by continuing to queue up private landowner projects but also seeking to increase activities on public properties; thereby leveraging additional public funding for larger-scale revegetation projects.	\$85,252	\$179,744	\$179,744
8	Bear Creek Watershed Riparian Enhancement Program	Forterra	This project will build on Forterra's ongoing effort to engage streamside residents of Bear Creek, control knotweed on public and private lands along the length of Bear Creek and its tributaries, and reinstate native plant communities to benefit ESA-listed Chinook salmon as well as other aquatic and terrestrial species. This proposal is focused on revegetating riparian buffers on key public and private properties where knotweed has been successfully controlled, while continuing to reinforce and expand knotweed control throughout the Bear Creek watershed.	\$0	\$103,357	\$103,357
8	Bear Creek Reach 6 Revegetation	Mid-Sound Fisheries Enhancement Group	This project will revegetate buffers on two King County owned parcels along Bear Creek and Monticello Creek. A number of project partners will work together with the community to restore 1.5 acres of riparian buffer.	\$7,000	\$57,940	\$57,940
8	Carey Creek Weertman Revegetation Project	Mid-Sound Fisheries Enhancement Group	This proposal will restore 300 feet of riparian habitat on Carey Creek with a private landowner to benefit water quality and Chinook salmon. The site is one of only two sections of missing riparian buffer habitat along Carey Creek.	\$2,000	\$20,194	\$20,194
8	Lake Washington Juvenile Salmon Monitoring in the Cedar River	Washington Department of Fish and Wildlife	Monitoring activities in this project will estimate the abundance of juvenile migrating salmon, including Chinook, coho, and sockeye salmon, through operation of a rotary screw trap in the lower Cedar River from mid-January to mid-July 2022. In combination with adult surveys, juvenile trapping aims to assess survival at several different life stages and provide key life history diversity data on the size and timing of migration.	\$0	\$186,617	\$186,617
8	Lake Washington Juvenile Chinook Survival: Installation of New	Washington Department of Fish and Wildlife	This project will track the timing and survival of juvenile Chinook salmon from the trapping sites in tributaries of Lake Washington during their migration through Lake Washington, the Ship Canal, and the marine portion of the life cycle. PIT tags will be inserted in Chinook salmon for	\$0	\$174,104	\$91,122

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	PIT Tag Detection Arrays and Continued Tagging in 2022		detection at the Ballard Locks. WDFW will also install new PIT tag antennas in Bear Creek to detect adult returns to the river, which will provide re-sighting events needed to accurately estimate marine survival and juvenile freshwater survival in Lake Washington and the Ship Canal			
8	Piscivore Monitoring during Chinook Outmigration	Washington Department of Fish and Wildlife	This proposal will support gill netting of piscivorous fish species in the Lake Washington Ship Canal and in near-shore areas of Lake Washington during the juvenile Chinook out-migration period (April-June 2022). This project will expand on gill netting efforts currently being conducted in the Lake Washington Ship Canal.	\$107,000	\$80,388	\$80,388
8	2022 Chinook Fish-In Monitoring	King County Water & Land Resources	This project involves the collection of escapement data for spawning adult Chinook in the Cedar River. The work is part an ongoing, annual, inter-agency effort to support long-term monitoring of the effectiveness of the WRIA 8 Chinook Salmon Conservation Plan.	\$2,160	\$24,031	\$24,031
8	Merwin Trap Effectiveness Test for Capture of Non-Native Fish	Washington Department of Fish and Wildlife	Funding will be used to deploy a Merwin Trap in Spring 2022 on an experimental basis in the south end of Lake Sammamish near the mouth of Issaquah Creek. The purpose of the project will be to test the trap's effectiveness to capture non-native fish that are predators and resource competitors of native salmon species, including Chinook and kokanee salmon.	\$77,000	\$69,696	\$69,696
8	Targeted Acoustic Startle Technology as a Mitigation Tool for Reducing Pinniped Predation on Adult Salmon	Oceans Initiative	The aim of this project is to leverage ongoing engagement from multi-agency partners, potential funds from Puget Sound Partnership, and the necessary permissions already in place, to continue efforts to evaluate Targeted Acoustic Startle Technology (TAST) as a non-lethal method for decreasing pinniped predation and improving adult Chinook survival at the Ballard Locks—a significant bottleneck area in the Cedar River salmon migration route.	\$0	\$236,812	\$146,876
8	Assessment of Artificial Light at Night and Consequent Predation Risk for Juvenile Salmon	U.S. Geological Survey	This project will measure patterns and variability in nocturnal light during ecologically-relevant periods for juvenile salmon in nearshore-offshore regions of Lake Washington and the Ship Canal and will convert measured light and water transparency into estimates of predation risk as functions of time, date, location, and depth. The project will also identify hotspots of direct lighting or skyglow, predict changes in predation risk in response to incremental change in light intensity, and recommend remedies for various light restoration priorities.	\$0	\$229,797	\$125,599

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8	Unleash the Brilliance Youth Outside Experience Partnership	King County Water & Land Resources	King County Water and Land Resources Division will partner with the nonprofit organization Unleash the Brilliance (UTB) as part of UTB's "Youth Outside Experience" program to plan and lead at least three outdoor learning experiences in the Cedar River and Issaquah Creek. The activities are centered on engaging youth in environmental justice issues such as clean water, healthy air, salmon recovery, functioning ecosystems, and stewardship of public lands.	\$0	\$19,200	\$19,200
8	Cedar River Salmon Journey	Seattle Aquarium	The Cedar River Salmon Journey (CRSJ) program supports and promotes salmon recovery in WRIA 8 by providing opportunities for people who live, work and play in the watershed to see salmon and to learn about how our choices affect them. CRSJ engages audiences through a variety of in-person programs (20,852 people in 2019, pre-pandemic) and social media and visual storytelling tools (237,066 people in 2020), which work together to raise awareness of salmon recovery strategies and inspire WRIA 8 audiences to take action.	\$61,140	\$38,500	\$38,500
8	Salmon Heroes: Improving Stewardship Behaviors through Science-Based Studies	Environmental Science Center	This program will use experiential learning techniques to increase awareness of watershed and salmon environmental issues in the Cedar River/Lake Washington watershed for WRIA 8 students, their families, and teachers. A multi-part student field study program will emphasize stewardship actions to help all become responsible stewards of salmon habitat.	\$111,800	\$15,000	\$15,000
8	Environmental Education in North Creek Forest, 2021 – 2022	Friends of North Creek Forest	Friends of North Creek Forest's education program offers field trips in stream health and other ecological subjects, as well as environmental summer camps, salmon season guided tours, and education booths. The bulk of participants learn how to do hands-on measurements, engage in restoration work, and are given the opportunity to design and carry out their own projects.	\$36,000	\$36,000	\$36,000
8	Beach Naturalist Program	Seattle Aquarium	The Beach Naturalist program is a public education and outreach program designed to engage people who live, work, and play in the watershed in learning about the nearshore environment. Beach Naturalists seek to motivate behavior change by raising awareness about the value and fragility of the intertidal ecosystem, salmon, the nearshore and Puget Sound.	\$42,964	\$13,200	\$13,200

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8	SalmonCam at the Issaquah Salmon Hatchery	Friends of the Issaquah Salmon Hatchery	Provide live video streaming from the Issaquah Salmon hatchery viewing salmon jumping at the weir and an underwater view of salmon entering the fish ladder. These streams would be available on YouTube, the FISH website, the WDFW Wildwatch program, and the King County Salmon SEEson sites as a means to raise awareness of preserving and enhancing salmon habitat.	\$1,000	\$13,249	\$7,850
8	Beaver Coexistence Outreach and Education	Beavers Northwest	Beavers Northwest proposes to lead an education, outreach, and technical assistance campaign to promote riparian stewardship, water conservation, and water quality improvements for salmon habitat recovery through the lens of beaver coexistence.	\$7,500	\$27,600	\$27,600
8	Adaptive Reuse in Seattle to Protect Puget Sound	Seattle 2030 District	This proposal is based on engaging landowners from Belltown to South Lake Union around the idea of committing to managing 50% of stormwater runoff of their buildings using green stormwater infrastructure (GSI) tools. The program will also explore a stormwater credit program for sites where GSI is not feasible through a mitigation fund.	\$60,000	\$25,000	\$15,000
8	Bear Creek Ecohydrology Planning Project	Mid-Sound Fisheries Enhancement Group	Through this proposal, Mid-Sound Fisheries Enhancement Group would identify options for in-stream habitat improvements, green stormwater infrastructure, and riparian habitat at a King County Parks site in the Bear Creek watershed. The project would involve coordinating with King County and community stakeholders to maximize ecological and hydrologic benefits for Chinook salmon in Bear Creek while broadening community education and outreach opportunities.		\$61,102	\$0
8	6 th Avenue W Shoreline Street End Habitat and Access Improvements	Seattle Department of Transportation	This project would enhance shoreline habitat at the intersection of 6th Ave W & W Ewing St along 66 linear feet (LF) of the south shore of the Lake Washington Ship Canal. The goals of the project are to improve water quality by restoring a functional riparian buffer and an existing bioswale and restoring shallow-water rearing and refuge habitat through placement of large wood debris and beach nourishment.		\$190,994	\$0
8	Temporal and Spatial Distribution of Myxozoan Parasites in Lake Washington and the Cedar River Watershed	Trout Unlimited	This proposal builds on previous environmental DNA analysis of the Sammamish River watershed to map the temporal and spatial distribution of three Myxozoan parasites in Lake Washington and the Cedar River watershed. These parasites can cause significant disease and mortality in a range of salmonids, including Chinook and sockeye salmon.		\$98,900	\$0

ATTACHMENT A: 2021 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
8	Effects of Aquatic Invasive Plant Control on Nearshore Fish Assemblage in Lake Sammamish	Trout Unlimited	Eurasian Water Milfoil is a non-native invasive aquatic weed that forms a dense vegetation band in the littoral zone causing negative effects on water quality, impacting navigation and recreational uses, and providing beneficial habitat for non-native piscivores. This proposal would look for changes in fish assemblage due to removal of this aquatic weed and evaluate removal as a potential salmon conservation tool.		\$97,800	\$0
8	Spawning Ground Surveys in Little Bear, North, and May Creeks	Washington Department of Fish and Wildlife	This proposal would fund spawning ground surveys in May, North, and Little Bear Creeks to estimate adult abundance and spawning distribution for sockeye and Chinook. Carcass surveys for Chinook would also be performed.		\$70,422	\$0
8	Monitoring and Assessment of Native and Non-Native Fish Communities in Lake Washington	U.S. Geological Survey	This proposal intends to develop and apply a streamlined program for monitoring key native and non-native fishes in various habitats of Lake Washington to provide early warning for threats from invasive species or shifts in the existing fish community that would significantly affect juvenile salmon survival or growth.		\$170,251	\$0
8	Movement Ecology of Northern Pike minnow and Cutthroat Trout in Lake Washington: Native Predators on Juvenile Salmon	U.S. Geological Survey	Northern pikeminnow and cutthroat trout are juvenile salmon predators and impose mortality during the month(s) of lake rearing and migration. This proposal would conduct a study to identify timing and locations of spawning aggregations and distribution patterns to inform the feasibility and scope of predator control options that would improve survival of juvenile salmon in WRIA 8.		\$111,426	\$0
8	Movement Ecology of Northern Pike minnow and Cutthroat Trout in Lake Washington: Native Predators on Juvenile Salmon	University of Washington	As a companion proposal to the previous, this work involves analyzing existing data on cutthroat trout to identify timing and locations of spawning aggregations and distribution patterns. The data will inform the feasibility and scope of predator control options intended to improve survival of juvenile salmon in WRIA 8.		\$46,362	\$0
8	Salmon-Safe Outreach, Certification, and Promotion	Stewardship Partners	Stewardship Partners would conduct outreach and certify and promote farms and nurseries using the eco-label Salmon-Safe, which sets standards for sustainable land management intended to restore native habitats and protect waterways.		\$20,000	\$0

ATTACHMENT A: 2021 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
			WRIA 8 Subtotals <i>*Leveraged Funds total for recommended projects only</i>	\$6,675,536	\$5,312,777	\$3,686,542
WRIA 8 NOTES:						
<ul style="list-style-type: none"> <u>Rationale for unfunded projects:</u> Several proposals are not recommended for funding, in part due to this cycle being extremely competitive (requested amount far surpassed amount available). The proposals not recommended for funding either lacked a strong connection to the highest priority WRIA 8 recovery strategies, did not align with funding priorities for this cycle, or lacked certainty around effectiveness. In many cases, WRIA 8 intends to work with the sponsors to support their efforts to develop a more competitive proposal in the future. <u>Rationale for partial funding:</u> Of the projects recommended for partial funding, in some cases the sponsor identified a scope of work in advance that could be implemented with partial funding. In other cases, WRIA 8 worked with the sponsor to determine an appropriate amount that would allow them to productively move their project forward. With the competitiveness of the grant cycle and number of excellent proposals received, WRIA 8 recommends these partial awards as a means of initiating momentum on as many of the highest priority proposals as possible. 						
WRIA 9						
9	2023 WRIA 9 Status and Trends Report	King County Water & Land Resources Division	This project will evaluate the status and trends of habitat conditions within WRIA 9 as called for in the 2020 WRIA 9 Monitoring and Adaptive Management Plan. The intent is to evaluate the full suite of habitat conditions (e.g. shoreline armor, floodplain condition, BIBI, riparian conditions).	\$72,000	\$110,748	\$110,748
9	Blood-brain barrier disruption in juvenile Chinook exposed to roadway runoff	Washington State University	Recent research shows that the acute mortality of coho salmon exposed to roadway runoff involves disruption of the blood brain barrier. WSC researchers will investigate blood-brain barrier disruption in juvenile Chinook as a sublethal mechanism of toxicity for contaminants in roadway runoff.	\$10,018	\$44,448	\$44,448
9	Enhancing Knowledge of Juvenile Salmon Habitat Use in the Mainstem Green River	King County Water & Land Resources Division	King County Science proposes to conduct spatially-extensive fish and habitat sampling in the lower Green River across one critical late-winter to late-spring rearing season to better understand how juvenile Chinook and other salmon species use channel edge habitats (low-velocity zone along the channel margins) and how habitat use changes with flow, time of year, and salmon life-history stage. Sampling will be done using a cataraft electrofisher which overcomes many of the challenges associated with standard salmon monitoring methods in the Green River.	\$0	\$79,002	\$79,002

ATTACHMENT A: 2021 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	Green River smolt monitoring – 2022 field season	Washington Department of Fish and Wildlife	WDFW is requesting funds to operate a smolt trap capturing downstream migrating juvenile salmon, an ongoing monitoring project that has provided essential abundance, productivity and life history diversity data on salmonids, including ESA-listed Chinook salmon and steelhead trout, in the Green River since 2000. The trap will be operated from approximately mid-January through June 2022.	\$73,722	\$40,000	\$40,000
9	37th St NW Mill Creek Riparian Revegetation	Mid Sound Fisheries Enhancement Group	Restore 1,100 ft of priority habitat of Mill Creek (Auburn). The site is dominated by reed canary grass and will benefit from a 50 ft riparian buffer on both banks improving water temperature, capturing stormwater runoff, reducing erosion, and increasing food web inputs for Chinook and other salmonids.	\$0	\$58,081	\$58,081
9	Duwamish River Mile 9 Revegetation	Forterra NW	This project will engage the public and private landowners to revegetate knotweed dead zones on both sides of the river at river mile 9 on the mainstem of the Duwamish. The project area will total 32,000 square feet and 1,000 linear feet of bank restored.	\$8,000	\$60,236	\$60,236
9	Foster Golf Links	EarthCorps	The Foster Golf Links and Re-Green the Green restoration activities combined cover over 1,600 linear feet of high priority and critical Duwamish River riparian habitat. The project seeks to work with Foster Golf Links to restore these critical and high-value salmon habitats by lowering water temperature and improving water quality.	\$0	\$59,000	\$59,000
9	Lower Green Bank Live Staking 2021	King County Water & Land Resources Division	Applying experience controlling noxious weeds with boats, King County Noxious Weed Control Program and partners will install willow live stakes in hard-to-reach steep banks on the Lower Green River via boats. This will be a small proof of concept project to test methods and generate recommendations for further Lower Green planting projects.	\$27,500	\$50,000	\$50,000
9	Lower Green River Riparian Revegetation Phase III River Mile 13	Green River Coalition	This continued restoration project in Tukwila on River Mile 13 will expand the geographic scope of high priority sites from: CWM Lower Green River Riparian Revegetation (Phase I, II) grants. Work by professional, trainee, youth and volunteers will remove invasive plants and replace them with native four-season shade trees (typically conifers) and a diverse riparian tree and shrub layer, along with a substantial expansion of maintenance activities.	\$64,000	\$129,869	\$129,869
9	Tacoma Water Lower Road Project Phase 1	Tacoma Water	Tacoma Water is requesting funding to remove invasive species and plant conifers along the mainstem channel of the Upper Green River. They will supply plant stock; funding from King County will be used to hire Washington Conservation Corps crews to assist with labor and a small amount to acquire an interpretive sign.	\$15,512	\$14,550	\$14,550

ATTACHMENT A: 2021 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	North of North Winds Weir	Seattle City Light	On slope adjacent to Duwamish River, remove Himalayan Blackberries and other nonnative plants (provided by partner), install bank stabilization (provided by partner) and re-plant shoreline with native willows and slope with native shrubs.	\$14,354	\$14,809	\$14,809
9	Soos Creek Basin and City of Kent Lower Site Expansions/ Maintenance	Green River Coalition	Green River Coalition will be expanding off previous work from our CWM ReGreen 2018 & 2020 grants to maintain existing sites and add new riparian sites to reduce stream temperatures and increase habitat functions and values within the Soos Creek Basin. GRC will also be further forging our partnership with the city of Kent by continuing and expanding our restoration efforts and community events at Riverview Park on the lower main stem Green River.	\$28,450	\$58,522	\$58,522
9	Beach Naturalist Program	Seattle Aquarium	The Beach Naturalist program is a public education and outreach program designed to engage Puget Sound community members in learning how to protect and conserve the nearshore environment. Beach Naturalists seek to motivate behavior change by raising awareness about the value and fragility of the intertidal ecosystem, salmon, the nearshore and Puget Sound.	\$85,928	\$30,000	\$30,000
9	BeachNET: discovering our role in a healthy Puget Sound	Vashon Nature Center	Vashon Nature Center's mission is to create transformative nature experiences through community science, education and research for the benefit of our island community and the entire Salish Sea. We seek support from King County SEaLS to coordinate community science monitoring at a new beach restoration site on Vashon—Corbin Beach Natural Area; and to launch a concerted effort to increase involvement of underrepresented students and Latinx community members in our BeachNET (Beach Nearshore Ecology Team) community science program.	\$38,100	\$22,000	\$22,000
9	Environmental Heroes: Improving Watershed Health and Salmon Habitat Through Education and Outreach	Environmental Science Center	ESC will use experiential learning techniques to increase awareness of watershed and salmon environmental issues in the Green/Duwamish watershed for WRIA 9 students, teachers, and the general public. Through a combination of student field studies, educational outreach, and community events, ESC will emphasize stewardship actions to help all become responsible stewards of salmon habitat.	\$113,881	\$40,000	\$40,000

ATTACHMENT A: 2021 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	Equitable Green Opportunities for Youth in Highline	Mountains to Sound Greenway Trust	The Greenway Education Program seeks funding for Equitable Green Opportunities for Youth in Highline (EGOYH), a summer internship program created in partnership with Highline School District and Pacific Education Institute. Over a six-week summer internship focused on ecological restoration (emphasizing on-the-ground applications), EGOYH equips teens with knowledge, skills, and inspiration they need to pursue conservation careers while they earn a stipend and school credit.	\$12,000	\$14,958	\$14,958
9	Green Duwamish Watershed Curriculum Design Lab	Mid-Sound Fisheries Enhancement Group	Convene student leaders, teacher leaders, and watershed partners in an ongoing, professional community of practice for the purpose of designing, testing, and evaluating problem-based, place-based, watershed learning experiences that meet academic standards in context of advancing salmon recovery goals in the Green-Duwamish Watershed.	\$39,000	\$93,080	\$93,080
9	Paradise Parking Plots Community Garden: Developing Education Programs	World Relief Seattle	With green stormwater infrastructure now installed at the garden, World Relief Seattle will: 1) Develop community education programs to engage refugee, immigrant and other BIPOC communities in hands-on learning about the benefits of GSI and local water quality issues/solutions, 2) Monitor the effectiveness of the garden's GSI through partnerships with Seattle University's Environmental Studies program, and 3) Expand place-based education curriculum/opportunities for refugee and immigrant youth on watershed health and environmental science topics	\$52,500	\$40,000	\$40,000
9	Springbrook Creek Education and Restoration	Forterra NW	This project will lead youth (enrolled in Unleash the Brilliance) in restoration in the Springbrook Creek sub-basin. The youth will learn about restoration principles and get hands-on experience restoring 1-3 sites along Springbrook Creek and its tributaries.	\$50,000	\$28,360	\$28,360
9	Youth Watershed Education, Stewardship, and Community Science	Nature Vision	This project will provide up to 125 students from diverse and low-income communities in the Green/Duwamish Watershed with Nature Vision's classroom, environmental stewardship, and community science programming. Five classes of 3rd-12th grade students will become stewards of their watersheds by conducting a restoration project, data collection, analysis, and projects designed to improve water quality and salmon habitat.	\$32,711	\$13,887	\$13,887
9	Camp Kilworth Acquisition	Forterra NW	This supports the acquisition of Camp Kilworth in Federal Way, a 29.33-acre high bank forested feeder bluff with ~900' of Puget Sound shoreline/beach. The property is located in between Dumas Bay Park and Dash Point State Park and provides critical habitat and food for migrating salmon and other species.	\$1,000,000	\$585,893	\$585,893

ATTACHMENT A: 2021 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	Fauntleroy Creek Culverts Replacement - Design	Seattle Public Utilities	This project will develop designs for the replacement of two failing culverts on Fauntleroy Creek at 45th Ave SW and California Ave SW. The new culverts will be sized for future conveyance needs (including increased frequency and severity of storms expected with climate change) and fish passage – allowing unimpeded access for the first time in approximately 100 years.	\$2,168,000	\$200,000	\$200,000
9	Flaming Geyser Riparian Revegetation	King County Water and Land Resources Division	King County WLRD will revegetate a critical section of the middle Green River riparian zone within Flaming Geyser State Park to improve shading of the river which will moderate water temperatures and improve salmon habitat. Funding will support cultural resource work, partnership building, and stewardship and monitoring of plantings.	\$150,000	\$350,623	\$350,623
9	Gilliam Creek Fish Barrier Removal	City of Tukwila	The project will create fish passage between Gilliam Creek and the Green River in Tukwila. Gilliam Creek is mostly inaccessible to aquatic species due to the presence of a 1960s era 108”-diameter flapgate at the outlet of a 207-foot long culvert beneath 66th Ave. S.	161,000	\$200,000	\$200,000
9	Hamakami Levee Setback – Site Cleanup	King County Water and Land Resources Division	Acquire land, remove a failing levee, disperse gravel into the river channel, and construct a revetment to protect agriculture and infrastructure in the middle Green River to restore critical floodplain habitat and increase flood resilience. This includes necessary removal and remediation from a derelict oil tank located in the project area of the future Hamakami Levee Setback Project.	\$1,000,000	\$245,000	\$245,000
9	Little Soos Creek Wingfield Open Space Restoration	Mid Sound Fisheries Enhancement Group	Little Soos Creek at stream mile 1 runs through the City of Covington’s Wingfield Open Space, where it historically has been armored, disconnected from its floodplain, and regularly floods the adjacent trail in winter. There is an opportunity for a multi benefit project to restore in-stream and floodplain habitat in the stream through reconnecting the creek to its floodplain, restoring side channels, removing artificial armoring, adding large wood, and revegetating the riparian zone.	\$0	\$200,000	\$200,000
9	McSorley Creek Shoreline and Estuary Restoration Project	King County Water and Land Resources Division	This grant is intended to leverage RCO funding for final design of the McSorley Creek Shoreline and Estuary Restoration Project. The objectives of the restoration project are to remove bulkhead along the lower portion of McSorley Creek and the marine shoreline and recreate the pocket estuary that would have been there historically.	\$1,150,000	\$45,000	\$45,000

ATTACHMENT A: 2021 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	Mill Creek Assemblage	City of Auburn	The City proposes to use this grant as a match to 2021 King County Conservation Futures funding to acquire an assemblage of parcels located along Mill Creek totally 7.33 acres. The acquisition area would accommodate future riparian habitat improvements associated with Mill Creek, which is identified as a Tier 1 Project: LG-8 in the 2020 Salmon Habitat Plan.	\$83,050	\$83,050	\$83,050
9	NE Auburn Creek Restoration – Design	King County Water and Land Resources Division	The NE Auburn Creek restoration project will enhance floodplain and stream habitat in the Lower Green River by creating off-channel rearing and high flow refuge habit for juvenile salmon, improving fish passage, and enhancing the riparian buffer in a location identified as having a critical need for shade. This funding will be used continue project design, reaching 30% design.	\$700,000	\$300,000	\$300,000
9	Pt. Heyer Acquisition Strategy Implementation	King County Water and Land Resources Division	This property in the Point Heyer Drift Cell features 185 feet of bluff-backed beach fronting the Puget Sound. This funding will be used to remove the residential structures located about 10 feet from the top of a 300' eroding feeder bluff.	\$100,000	\$200,000	\$200,000
9	Smith Cove Park Shoreline Restoration Preliminary Design	Seattle Parks and Recreation	Prepare a preliminary design and cost estimate for shoreline restoration work along the east edge of the undeveloped portion of Smith Cove Park. Design work involves an assessment of the feasibility of removing rip rap along the shoreline.	\$0	\$150,000	\$150,000
9	WRIA 9 Capital Projects Implementation 2022	Green/Duwamish and Central Puget Sound Lead Entity (WRIA 9)	Funding will support implementation of the 2020 WRIA 9 Green/Duwamish and Central Puget Sound Salmon Habitat Plan, including development of project funding strategies, technical support for project development and grants applications, solicitation of new projects, and implementation of vital monitoring and adaptive management projects. This programmatic grant supports the capacity, resources, and tools vital for capital program implementation.	\$100,000	\$150,000	\$150,000
9	Interpretive Signage for Green River	City of Kent	This project is to design, fabricate, and install 12 interpretive signs along the Green River in Kent. The signs will educate community members about salmon life histories, riparian habitat, and flood control facilities, and sign content will be created in collaboration with regional partners.	\$0	\$84,000	\$0
9	Marine Science Remote	Pacific Marin Research	Delivering Puget Sound watershed education with virtual programming of plankton abundance, water quality testing, invertebrate food webs and underwater live stream with our scuba divers.	\$0	\$10,000	\$0

ATTACHMENT A: 2021 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	Resilient Green Infrastructure for Salmon in the Nearshore Puget Sound Subwatershed	Northwest Center for Alternatives to Pesticides	Building on a strong trajectory of public outreach to save endangered salmon, the Northwest Center for Alternatives to Pesticides proposes to develop and offer a workshop once in English and once in Spanish on the implementation, maintenance and evaluation of GI technologies; to create and widely distribute an associated field guide; and lay the groundwork to launch a community campaign to increase support for GI and pesticide-free practices.	\$0	\$25,280	\$0
WRIA 9 Subtotals				\$7,349,726	\$3,830,396	\$3,711,116
WRIA 10						
10	White River Juvenile Salmon Assessment Project	Puyallup Tribe Fisheries Department	This project will monitor the outmigration of juvenile salmon, during late winter and spring of 2023, on the White River in order to estimate abundance, run timing and other biological characteristics of ESA listed salmon species (Chinook and Steelhead).	\$59,499	\$168,914	\$168,914
10	Boise Creek Restoration at Enumclaw Golf Course	City of Enumclaw	This project will begin Phase 1 of construction to relocate the channel of Boise Creek, improve habitat for salmon and reduce water temperatures, and daylight Chappel Creek as a tributary in the former channel of Boise Creek. Boise Creek provides habitat for Chinook (fall and spring runs), steelhead, and bull trout.	\$15,000	\$465,000	\$333,849
10	Greenwater River Restoration RM 4.2-4.6	South Puget Sound Salmon Enhancement Group	This project would implement reach-scale restoration actions in the Greenwater River to restore instream complexity and floodplain connectivity through removal of floodplain fill and installation of engineered logs jams.		\$426,000	\$0
WRIA 10 Subtotals				\$74,499	\$1,059,914	\$502,763
<i>*Leveraged Funds total for recommended projects only</i>						
ALL CWM TOTALS				\$15,849,172	\$13,605,022	\$9,916,294

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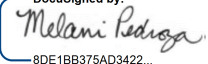
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melani.pedroza@kingcounty.gov
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- i. decline to sign a document from within your DocuSign session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an e-mail to bob.johnson@kingcounty.gov and in the body of such request you must state your e-mail, full name, US Postal Address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

Operating Systems:	Windows® 2000, Windows® XP, Windows Vista®; Mac OS® X
Browsers:	Final release versions of Internet Explorer® 6.0 or above (Windows only); Mozilla Firefox 2.0 or above (Windows and Mac); Safari™ 3.0 or above (Mac only)
PDF Reader:	Acrobat® or similar software may be required to view and print PDF files
Screen Resolution:	800 x 600 minimum

Enabled Security Settings:	Allow per session cookies
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** These minimum requirements are subject to change. If these requirements change, you will be asked to re-accept the disclosure. Pre-release (e.g. beta) versions of operating systems and browsers are not supported.

Acknowledging your access and consent to receive materials electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please verify that you were able to read this electronic disclosure and that you also were able to print on paper or electronically save this page for your future reference and access or that you were able to e-mail this disclosure and consent to an address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format on the terms and conditions described above, please let us know by clicking the 'I agree' button below.

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