



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

FCD Resolution

Proposed No. FCD2020-15.1

Sponsors

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

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

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

10 WHEREAS, the King County Flood District ("the District") seeks to protect
 11 public safety and promote the recovery of native salmon species, and

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

15 WHEREAS, the District desires to continue funding watershed resource inventory
 16 area ("WRIA") activities and projects that are identified using a process for awarding
 17 WRIA grants in which the WRIA forums made grant recommendations to the District
 18 and the King County water and land resources division administers the grant processes,
 19 and

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20 WHEREAS, in establishing the District's 2020 amended budget, the District
21 provided \$9,855,425 in funding for projects and activities in WRIA's 7 (Snoqualmie
22 Watershed portion), 8, 9 and 10 (King County portion);

23 NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF
24 SUPERVISORS OF THE KING COUNTY FLOOD CONTROL ZONE DISTRICT:

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

- 27 1. WRIA 7 (Snoqualmie Watershed portion) - \$1,983,776;
- 28 2. WRIA 8 - \$3,746,793;
- 29 3. WRIA 9 - \$3,629,073; and
- 30 4. WRIA 10 (King County portion) - \$495,783.

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

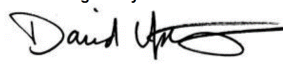
FCD Resolution

32 projects, grant recipients and individual grant amounts described in Attachment A to this
33 resolution.
34

FCD Resolution was introduced on and passed by the King County Flood Control District on 7/8/2020, by the following vote:

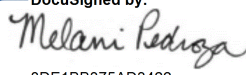
Yes: 9 - Ms. Balducci, Mr. Dembowski, Mr. Dunn, Ms. Kohl-Welles, Ms. Lambert, Mr. McDermott, Mr. Upthegrove, Mr. von Reichbauer and Mr. Zahilay

KING COUNTY FLOOD CONTROL ZONE
DISTRICT
KING COUNTY, WASHINGTON

DocuSigned by:

E76CE01F07B14EF...

Dave Upthegrove, Chair

ATTEST:

DocuSigned by:

8DE1BB375AD3422...

Melani Pedroza, Clerk of the Board

Attachments: A. 2020 WRIA Grant List

FCD 2020-15 ATTACHMENT A: 2020 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
SNOQUALMIE WATERSHED IN WRIA 7						
7	2021 Snoqualmie Restoration and Project Assistance	King County Water and Land Resources	The 2021 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 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	\$130,000	\$130,000
7	2021 Snoqualmie River Juvenile Salmon Outmigration Monitoring	Tulalip Tribes	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 2021. This is a part of the overall Snohomish Basin juvenile salmon outmigration 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	\$124,000	\$124,000
7	Fall City (Haffner-Barfuse) Floodplain Restoration Design	King County Water and Land Resources	Complete the final design of two floodplain setback projects along a high priority reach of the Snoqualmie River. The projects, once implemented, will increase and improve edge and off-channel habitat by removing ~2,600 ft of levee and revetment, reconnect the Snoqualmie River with approximately 145 acres of its floodplain, restore native vegetation to approximately 110 floodplain/riparian acres, relocate Neal Rd. and construct a new flood facility to current engineering standards.	\$2,201,600	\$500,000	\$500,000
7	Fall City Reach Riparian Restoration - Haffner Right Bank	Snoqualmie Indian Tribe	Continue efforts to improve riparian forest buffer habitat in the Fall City Reach along the right bank of the Snoqualmie River as part of the Haffner/Barfuse Floodplain Reconnection Project. Restore at least 22 acres of forested floodplain riparian habitat along nearly 5,300 linear feet of the Snoqualmie River and side Channel in a priority salmon recovery reach and an area that is culturally and ancestrally significant to the Snoqualmie Tribe.	\$51,654	\$169,545	\$153,970
7	Snoqualmie Springs Farm Riparian Restoration	Sound Salmon Solutions	Control invasive vegetation and install native vegetation on a 50 to 300-foot riparian buffer, totaling 3-acres, on the right bank of the mid-Snoqualmie River to improve water quality and salmon habitat.	\$500	\$56,954	\$56,954

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
7	Beckler Alluvial Fan Restoration – Engineered Log Jams	Wild Fish Conservancy	Develop six Engineered Log Jams (ELJs) in the confluence reach of the Beckler River where it meets the South Fork Skykomish. These ELJs will dramatically increase stable wood loading in the reach, and gravel retention and aggradation in the main channel as a response will lead to increased floodplain connection and instream complexity.	\$0	\$335,664	\$335,664
7	Harris Creek Riparian Planting I	Sound Salmon Solutions	Install 5,000 native plants on a 50 to 200-foot riparian buffer, totaling 5-acres, on the right bank of lower Harris Creek to improve water quality and salmon habitat.	\$3,000	\$49,177	\$34,056
7	Greenway Education Program and YMCA Camp Terry Education & Restoration	Mountains to Sound Greenway Trust	Build on a decade of collaboration to provide excellent education and restoration centered around salmon. The Greenway Trust will also help develop and implement a long-term restoration plan for the riparian zone that includes survey and removal of non-native invasive plants and installation of native trees and shrubs.	\$8,000	\$46,658	\$41,781
7	Community Action Training School (CATS) 2021	Sound Salmon Solutions	The Community Action Training School (CATS) program provides engaged citizens 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 in classroom and field settings while receiving ongoing mentoring and support from their program facilitators, leading to community-driven stewardship action projects to improve watershed health.	\$8,075	\$41,985	\$20,282
7	Youth Watershed Education, Stewardship, and Citizen 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 that aims to improve salmon habitat and water quality.	\$34,248	\$69,459	\$34,730
7	Changing Seasons Farm Riparian Restoration and Maintenance	Stewardship Partners	Restore and maintain approximately 3.5 acres of riparian habitat along ~1,840’ of the mainstem Snoqualmie River on Changing Seasons Farm. New restoration will take place on recently acquired parcel, which lies between several current and past restoration installments on the property and restoration site maintenance will take place on adjacent parcel.	\$5,000	\$31,449	\$31,449
7	Aronica/Robertson Farm: Phase III	Stewardship Partners	Restore approximately 2 acres of riparian habitat along ~1,000’ of the mainstem Snoqualmie River at Aronica/Robertson Farm. This will be the final stage of initial riparian restoration on the farm.	\$2,000	\$30,894	\$30,894

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
	Riparian Restoration					
7	Cherry Creek Maintenance & Site Preparation	Sound Salmon Solutions	Secure and further the gains made with the restoration of Cherry Creek Phase 1 (CCP1), a project 6 years in the making completed fall 2019 with intensive follow up site maintenance, erosion control maintenance, supplemental planting, and pre-construction site preparation for the second phase of Cherry Creek (CCP2) restoration.	\$3,000	\$59,748	\$59,748
7	Raging River Knotweed Survey & Control Phase 6	Mountains to Sound Greenway Trust	Continue a multi-year initiative to systematically control invasive knotweed along the Raging River and re-establish native vegetation through the floodplain and riparian corridor. This program leverages restoration on public land and by other partners with efforts to improve conditions on private land by engaging with landowners along the River.	\$10,000	\$65,000	\$52,000
7	Upper Snoqualmie Knotweed Control - Confluence to Falls	King County Noxious Weeds	Prevent further ecosystem impacts of invasive knotweed in the upper Snoqualmie River basin and downstream by reducing the area of remaining riparian knotweed infestations from Three Forks Confluence to Snoqualmie Falls. After this project, all riparian knotweed infestations along the Upper Snoqualmie River and its forks will be at a maintenance level threshold.	\$12,500	\$100,038	\$50,000
7	Langlois Creek Culvert Replacement Construction and Log Weir Removal Engineering Designs	Snoqualmie Valley Watershed Improvement District	Remove the five farthest downstream fish passage barriers from Langlois Creek to increase access to essential habitat for salmonids and species of resident fish and to improve agricultural production by improving drainage. The goal of this project is to produce engineering designs for all barriers on Langlois Creek and to replace them according to WDFW specifications.	\$126,200	\$159,268	\$110,005
7	Snoqualmie Beaver Dam Analog Development	Wild Fish Conservancy	Beaver ponds provide critical habitat and hydrologic benefits for coho and other salmonids, and beaver dam analogs (BDAs) can recreate these natural habitat processes. This project will provide beaver-related community outreach and decision-support tools for science-based BDA implementation in the Snoqualmie River.	\$1,250	\$86,900	\$58,730
7	Assessing Restorable Alluvial Water Storage in the Snoqualmie & Upper Skykomish	Wild Fish Conservancy	Develop an estimate of the amount of restorable alluvial water storage in the Raging River and the North Fork of the Tolt River. The project will build a GIS model using existing LiDAR data to quantify the potential for water conservation and storage through restoration at the basin scale.	\$0	\$168,966	\$55,000

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7	Three Forks Natural Area - Meadowbrook Slough Phase 5 Restoration	Mountains to Sound Greenway Trust	This is the 5th phase of a multi-year restoration effort at the City of Snoqualmie's Three Forks Natural Area, and it will expand on work completed in partnership with the Mountains to Sound Greenway Trust, City of Snoqualmie, and others during previous phases. Project work involves significant habitat restoration on 4 acres within a 150-foot buffer along the slough, removing and controlling invasive weeds and installing at least 5,000 native trees and shrubs (including at least 1,500 conifers).	\$5,125	\$84,750	\$45,000
7	Carnation Farms: Zone 2 Riparian Restoration	Stewardship Partners	Perform the next phase of riparian restoration at Carnation Farms along the mainstem Snoqualmie River. Restoration will take place along ~1,075 linear feet of the river with an average buffer width of 55' (59,125 square feet total) along the mainstem Snoqualmie River.	\$5,000	\$15,378	\$15,378
7	Snoqualmie Bull Trout Distribution Assessment	Wild Fish Conservancy	Fill ESA-listed species data gaps by using environmental DNA (eDNA) to assess the distribution of bull trout in prioritized Snoqualmie tributaries; results will inform habitat protection, restoration / recovery planning strategies, and permitting decisions for proposed hydro/forestry activities. WFC will sample approx. 60 sites prioritized based on a USFS Climate Shield model that predicts the distribution of habitats that can support bull trout.	\$2,000	\$95,000	\$44,135
7	Golden-Cherry Creek Culvert Replacement	Wild Fish Conservancy	Submit permits and design a comprehensive solution to a full anthropogenic barrier at a driveway /pond outlet located on a left bank tributary to Cherry Creek. The barrier blocks passage salmonids and compromises watershed processes in Cherry Cr; in addition to removing the barrier, final designs will incorporate instream LWD, remove invasive species within the project footprint and utilize planting materials important to the Snoqualmie and Tulalip Tribes for revegetating disturbed areas.		\$87,718	\$0
			WRIA 7 Subtotals <i>*Leveraged Funds total for recommended projects only</i>	\$2,505,861	\$2,508,551	\$1,983,776
WRIA 7 NOTES:						
<ul style="list-style-type: none"> Rationale for unfunded projects: Numerous large capital project requests were submitted this year for WRIA 7. It was imperative to fund the larger capital project requests in order to support them in capitalizing on funding opportunities provided by larger grant cycles such as Large Capital PSAR and Salmon Recovery Funding (e.g. securing multi-million dollar awards for construction). The large requests took up much of the available funding, leaving less for other priority projects. Remaining projects were funded based on rank and every effort was taken to make as many projects whole as possible. Rationale for partial funding: Projects that could be easily phased were awarded partial funding with the understanding that these projects will need future funding to accomplish the goals. 						

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
WRIA 8						
8	Issaquah Creek Phase 1 Restoration at Lake Sammamish State Park	Mountains to Sound Greenway Trust	Construct an instream restoration project focused on improving habitat complexity for multiple salmonid species through installing large wood along 6,600 feet of Issaquah Creek, which will provide instream habitat diversity and facilitate stream-floodplain connectivity.	\$90,000	\$1,000,000	\$1,000,000
8	Bear Creek Seawest-Granston Restoration Design	King County Water and Land Resources	Initiate design for a restoration project that will enhance 32 acres of wetland, floodplain, and adjacent upland habitat and will improve channel complexity by adding wood along 3,000 feet of Bear Creek.	\$240,000	\$200,000	\$200,000
8	George Davis Creek Fish Passage	City of Sammamish	Remove culverts and fish passage barriers under East Lake Sammamish Shore Lane, East Lake Sammamish Parkway, and in-line with the creek upstream of the parkway to restore upstream passage to kokanee salmon and enhance the lower channel to benefit juvenile Chinook salmon.	\$6,276,700	\$300,000	\$300,000
8	Rutledge-Johnson Lower Levee Removal Preliminary Design	King County Water and Land Resources	Complete preliminary design for a floodplain reconnection and habitat restoration project on the left bank of the Cedar River at River Mile 13.1 – 13.5. The future project will reconnect up to 16 acres of floodplain, with the goal to restore riverine processes that benefit Chinook and other salmon species.	\$100,000	\$60,375	\$60,375
8	Saint Edward State Park Shoreline Restoration	Washington State Parks and Recreation Commission	Design and construct a project to remove large angular boulders and concrete remnants from the Lake Washington shoreline in Saint Edward State Park and regrade the shoreline to match the natural lakebed. Enhance shoreline vegetation by planting native trees and shrubs.	\$10,000	\$200,000	\$200,000
8	Be'er Sheva Park Shoreline Restoration	Seattle Parks Foundation	Improve juvenile Chinook rearing and refuge habitat by removing shoreline armoring, restoring a natural beach profile, placing wood, and planting riparian vegetation.	\$345,000	\$500,000	\$215,000
8	Lower Laughing Jacobs Creek Channel and Riparian Restoration Design	Trout Unlimited	Complete designs and obtain permits for the restoration of the lower 800 feet of Laughing Jacobs Creek, including restoring the floodplain and riparian areas, improving water quality, and enhancing shelter and foraging habitat for juvenile Chinook salmon and other salmon species.	\$30,000	\$254,179	\$254,179
8	Bear Creek Little Bit Restoration	King County Water and Land Resources	Complete final design and construct a restoration project along 650 feet of Bear Creek focused on increasing channel complexity and habitat quality for juvenile Chinook salmon.	\$40,000	\$280,000	\$280,000

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
8	Lower Issaquah Creek Stream and Riparian Restoration	City of Issaquah	Complete additional modeling and design tasks to support a restoration project along 1,200 feet of Issaquah Creek that seeks to remove bank armoring, increase stream-floodplain connectivity, place large wood, and improve riparian habitat.	\$250,880	\$800,000	\$150,000
8	Bear Creek Tretheway Restoration Design	Mid-Sound Fisheries Enhancement Group	Design an instream and riparian habitat enhancement project to benefit juvenile Chinook salmon by increasing connectivity to the floodplain through removal of bank armoring and placing large wood.		\$229,752	\$229,752
8	Ebright Creek Fish Passage Project	City of Sammamish	Replace culverts under East Lake Sammamish Parkway to restore upstream passage to kokanee salmon and improve the delivery of sediment and nutrients to the lakeshore to benefit juvenile Chinook salmon.	\$350,000	\$150,000	\$85,685
8	Belmondo Reach Riparian Restoration	Mountains to Sound Greenway Trust	Implement approximately five acres of riparian restoration at the Belmondo Reach Natural Area to help develop a functional forested riparian buffer in an area lacking mature forest canopy.	\$17,000	\$96,201	\$96,201
8	Sammamish River Riparian Restoration	Mid-Sound Fisheries Enhancement Group	Restore riparian habitat and maintain previously restored sites along the Sammamish River to improve riparian habitat and address thermal issues in the river that limit salmon survival.	\$3,000	\$183,865	\$183,865
8	Adult Chinook (Fish In) Monitoring 2020	King County Water and Land Resources	Collect escapement data for spawning adult Chinook in the Cedar River. The project is part of an ongoing, annual, inter-agency effort to support long-term monitoring of the effectiveness of the WRIA 8 Chinook Salmon Conservation Plan.	\$2,160	\$22,933	\$22,933
8	Lake Washington Juvenile Salmon (Fish Out) Monitoring in Cedar River 2021	Washington Dept. of Fish and Wildlife	Trap juvenile fish migrating out of the Cedar River and assess Chinook abundance, productivity, survival, and life-history diversity. This information allows WRIA stakeholders to evaluate the success of and adaptively manage the WRIA 8 Chinook Salmon Conservation Plan.		\$165,886	\$165,886
8	Managing Predation of Juvenile Chinook by Nonnative Fishes in WRIA 8	U.S. Fish and Wildlife Service	Obtain information on predator abundance and behavior, amounts of juvenile Chinook in predatory fish diets, and the spatial distribution of predation risk to inform management actions on this key factor limiting salmon recovery in WRIA 8.	\$54,749	\$119,146	\$119,146
8	Juvenile Chinook (Fish Out) PIT Tagging 2021	Washington Dept. of Fish and Wildlife	Tag juvenile fish to estimate the survival of juvenile Chinook salmon during their migration through Lake Washington and the ship canal.	\$300,000	\$45,501	\$45,501

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
8	Cedar River Salmon Journey	Seattle Aquarium	Provide opportunities for local residents to see salmon and to learn about how personal choices affect them. Education is specifically provided on Cedar River salmon, watershed health, and everyday actions needed to support salmon and their habitats.	\$61,140	\$38,500	\$38,500
8	WRIA 8 Beach Naturalist Program	Seattle Aquarium	Engage Puget Sound citizens in learning how to protect and conserve the nearshore environment and motivate behavioral change by raising public understanding about the value of the intertidal ecosystem, salmon, the nearshore, and Puget Sound.	\$128,892	\$13,200	\$13,200
8	WRIA 8 Community Action Training School	Mid-Sound Fisheries Enhancement Group	Recruit, educate, and engage 20 – 30 watershed residents in becoming more active stewards of the watershed and its salmon through participating in evening classes and contributing to community stewardship projects.		\$47,570	\$47,570
8	Salmon Heroes	Environmental Science Center	Through a combination classroom and field-based program, educate WRIA 8 students, teachers, and parents/guardians on watershed health and salmon recovery so that they become responsible stewards of salmon habitat.	\$13,928	\$15,000	\$15,000
8	Watershed Education and Restoration	Friends of North Creek Forest	Provide K – 3rd grade students with an opportunity to conduct hands-on measurements, engage in restoration, and design and carry out their own projects focused on stream health.	\$56,000	\$24,000	\$24,000
8	David Brink Park Shoreline Restoration	City of Kirkland	As part of a larger park improvement effort, install two pocket beaches to provide juvenile salmon habitat.		\$30,000	\$0
			WRIA 8 Subtotals <i>*Leveraged Funds total for recommended projects only</i>	\$8,369,449	\$4,776,108	\$3,746,793

WRIA 8 NOTES:

- Rationale for unfunded projects:

One proposal is not recommended for funding in this grant cycle. This proposal includes soft shoreline approaches as part of a larger park enhancement project, but the design of the habitat components does not support salmon recovery objectives strongly enough to warrant a grant award.

- Rationale for partial funding:

Three restoration projects are recommended for partial funding. The Be'er Sheva Park Shoreline Restoration Project was proposed as design-build, but the WRIA 8 Project Subcommittee wants to see the design products before committing to construction. The Lower Issaquah Creek Stream and Riparian Restoration Project was proposed for construction funding, but the Project Subcommittee recommends additional modeling and design funding to better develop the restoration approach at this site. The Ebright Creek Fish Passage Project offers indirect Chinook habitat benefits, and as a result is recommended for partial funding.

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
WRIA 9						
9	WRIA 9 Capital Projects Implementation	King County Water and Land Resources	Funding will support implementation of the WRIA 9 Green/Duwamish and Central Puget Sound Salmon Habitat Plan, including development of project funding strategies, technical support for project development and grants, and solicitation of new projects. This function supports the resources and tools needed for capital project implementation.	\$60,000	\$137,900	\$137,900
9	WRIA 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 behavioral change by raising public understanding about the value and fragility of the intertidal ecosystem, salmon, the nearshore and Puget Sound.	\$128,892	\$30,000	\$30,000
9	Dockton Reach Preservation and Restoration	King County, Water and Land Resources	Remove structures on two parcels that will be acquired using other funding. The priority properties total .8 acres and 300 feet of shoreline near the Dockton Natural Area on Vashon-Maury Island.	\$1,400,000	\$95,000	\$95,000
9	Puget Sound Floodplain Restoration: Regional Economic Importance Study Phase 2	American Rivers	Quantify the economic impact of urban floodplain, waterway, waterfront, greenway and salmon habitat improvements on local communities including on property values, businesses and economic activity in the Puget Sound Region. The outcome of this project is to understand the impacts of restoration on local revenue and fiscal strength and use that information to identify incentives and sustainable funding mechanisms that can be used to finance and maintain restoration efforts in perpetuity.	\$35,000	\$40,000	\$40,000
9	Downey Farmstead Side Channel Restoration	City of Kent	Construct nearly 2,000 linear feet of side channel to the Green River to provide rearing and refuge habitat for threatened Chinook and other salmon species. The project will also provide 130-acre feet of flood storage to reduce flooding in nearby areas and plant hundreds of shade-producing native trees along a one-half mile stretch of river where temperature loading is a critical issue.	\$172,463	\$1,398,422	\$1,398,422
9	Changing Behaviors: Improving Watershed Health and Salmon Habitat Through Education and Outreach	Environmental Science Center	Increase public awareness of watershed health and salmon habitat protection through student field studies, educational outreach, and community events. This project will encourage people in WRIA 9 to make positive behavior changes to improve water quality of Puget Sound and protect salmon habitat.	\$98,770	\$40,000	\$40,000

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	Lones Levee Restoration - Construction	King County Water and Land Resources	Fund a portion of the Lones Levee Restoration project, which will remove a 1,600 lineal-foot levee along the Middle Green River and construct a setback revetment away from the river. These actions will allow the river to flow in an unencumbered manner and create at least 20 acres of salmon rearing habitat. The project also includes gravel dispersal and placing large wood in the floodway, along with the revegetation of riparian zones.	\$6,900,000	\$690,704	\$690,704
9	Flaming Geyser Riparian Restoration and Cultural Resources	King County Water and Land Resources	Contribute to the preparation of a 30% design plan for a Flaming Geyser habitat restoration project. The funding will focus on design of removal of revetments, installation of LWD in the river and side channel, and riparian revegetation.	\$150,000	\$150,000	\$150,000
9	Gilliam Creek Fish Barrier Removal Project	City of Tukwila	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.	\$61,000	\$100,000	\$100,000
9	WRIA 9 Marine Shoreline Monitoring and Compliance Phase 3	King County Water and Land Resources	Conduct boat-based surveys of the 92 miles of WRIA 9's marine shoreline to evaluate changes in marine shoreline condition (e.g. armor, vegetation, overwater structures, etc.). This phase will build from and repeat the two previous shoreline assessments. The project is intended to produce trend data and establish baseline data prior to launching the Shore Friendly King County collaborative program between the King Conservation District, Mid-Sound Fisheries Enhancement Group, WRIA 9, and King County.		\$42,000	\$42,000
9	Green River Smolt Monitoring Plus PIT tagging – 2021 Field Season	Washington Department of Fish and Wildlife	This ongoing monitoring project will operate a smolt trap capturing downstream migrating juvenile salmon. This work 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. For the 2021 field season, the project has added a new element: inserting PIT tags into juvenile salmonids to understand habitat use of the lower river, in partnership with King County researchers.		\$80,000	\$80,000
9	Midway Creek Culvert Removal	King County Water and Land Resources Division	Remove a derelict 43-inch corrugated steel culvert that is currently a fish passage barrier for juvenile salmonids on Midway Creek, an important off-channel rearing and flood refuge habitat for ESA listed Chinook and other salmonids. The culvert blocks all juvenile (and partially adult) access to one of the largest and highest quality floodplain wetlands in the entire Lower Green River basin (~12 acres) as well as ~800' of flowing stream.	\$16,500	\$25,047	\$25,047

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	NE Auburn Creek Restoration	King County Water and Land Resources Division	Enhance floodplain tributary habitat in the Lower Green River by creating off-channel rearing and high flow refuge habitat for juvenile salmon in NE Auburn Creek. This funding will be used to launch project design, including an alternatives analysis, conceptual design drawings, and further data collection.	\$100,000	\$200,000	\$200,000
9	PIT Tag Arrays for Tracking Juvenile Chinook in the Lower Green River	King County WLRD, Science and Technical Support Section	Provide site-specific monitoring capacity that enhances the scale of a currently funded Near Term Action, which will install a mainstem PIT (passive integrated transponder) tag array in the lower Green and tag juvenile Chinook throughout the lower Green. This CWM grant will PIT tag fish at the screw trap in the Middle Green to substantially increase the number of fish tagged for this overall effort. This increased geographic scope allows us to evaluate data to compare timing, migration rates, restoration site use, and use of different habitats for all PIT tag arrays throughout the lower Green.	\$300,000	\$100,000	\$100,000
9	2020 Green-Duwamish King County Revegetation Coordination Project – Phase One	King County WLRD, Noxious Weed Control Program	The initial phase of a five-year plan to continue landscape-scale high-priority noxious weed control, stewardship and restoration work in the riparian buffer on the Green-Duwamish River, implement planting projects, and facilitate integration of multiple partners and funders into more effective corridor-scale ecological restoration.	\$77,500	\$80,000	\$80,000
9	Auburn Community Riparian Restoration	Mid Sound Fisheries Enhancement Group	Conduct comprehensive riparian revegetation throughout Auburn along the Lower Green River utilizing professional restoration crews, Green River Coalition Interns, and community volunteers. Invasive species control, planting native trees and shrubs, and critical maintenance of recent plantings including mulching, weeding, and watering of multiple sites will ensure plant survival and increase critical shade along Auburn’s publicly owned lands on the Lower Green River.	\$30,000	\$70,000	\$70,000
9	Lower Green Basin-Wide Stewardship Expansion Project	Forterra	Expand habitat enhancement work on the Green and Duwamish Rivers through a new planting project and continued maintenance of previous, successful revegetation projects funded through past iterations of this grant program. In addition, we intend to use funding from this grant to prioritize and recruit stakeholders for future restoration and habitat enhancement work of the Green and Duwamish Rivers.		\$55,000	\$55,000

FCD 2020-15 ATTACHMENT A: 2020 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	Lower Green River Riparian Revegetation Phase II	Green River Coalition	This continued restoration project in Tukwila will expand the geographic scope of the 2019 CWM Lower Green River Riparian Revegetation (Phase I) grant by including high priority sites on both sides of the Green River. Work will remove invasive plants and replace them with native trees and a diverse riparian tree and shrub layer. This will be accomplished by additional planning and development actions on public and private access lands within RM 13.	\$14,000	\$95,000	\$95,000
9	Riverton Creek Flapgate Removal Project	City of Tukwila	Complete the revegetation portion of the larger project that will improve habitat conditions along the lower 1,200 lineal feet of Riverton Creek and along the adjacent Duwamish River segment to the east by restoring fish access between the creek and the Duwamish River, providing off-channel rearing habitat for five species of anadromous salmon and trout. Overall project restoration will include a) adding large wood to the creek channel, b) removing invasive vegetation and installing native plants c) daylighting the creek and replacing two perched culverts and flapgates with a bridge for the regional Green River Trail.	\$124,219	\$50,000	\$50,000
9	Soos Creek Basin and City of Kent Lower Green Riparian Restoration	Green River Coalition	Interns from the Green River College Natural Resources program will work with the Green River Coalition to steward and add new riparian sites to reduce stream temperatures within the Soos Creek Basin on both private landowner and publicly owned lands. In addition, the Coalition's partnership with the city of Kent will be expanded through restoration work and community events at Riverview Park on the Lower Green River.	\$36,250	\$20,000	\$20,000
9	Tukwila's "Green the Green" Shoreline Revegetation Project, Phase 3	City of Tukwila	Provide two years of maintenance for two in-progress restoration sites along the Green River in Tukwila. Together, the restoration sites are shown as a combination of "critical", "high" and "medium" need areas in the Riparian Aspects Map.	\$20,000	\$50,000	\$50,000
9	Duwamish River Re-Greening Maintenance and Restoration	EarthCorps	The 2020 Re-Green the Green restoration activities cover 1 acre (56,618sqft) across three sites of high priority and critical areas along the Duwamish River. One of the proposed sites, the Tukwila Community Center will have continued stewardship and maintenance through crew and volunteer work. The second site, the Duwamish 2020 revegetation, builds upon previous restoration efforts implemented in 2012, by continuing invasive removal and native plant installations.	\$4,800	\$80,000	\$80,000
WRIA 9 Subtotals				\$9,729,394	\$3,629,073	\$3,629,073

FCD 2020-15 ATTACHMENT A: 2020 COOPERATIVE WATERSHED MANAGEMENT GRANTS

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
WRIA 10						
10	White River Juvenile Salmon Production Assessment	Puyallup Tribe	This project will monitor the outmigration of juvenile salmon, during late winter through early summer of 2022, on the White River in order to estimate abundance, run timing and other biological characteristics of ESA listed salmon species (Chinook and Steelhead).	\$35,480	\$202,067	\$202,067
10	Boise Creek Restoration / Enumclaw Golf Course	City of Enumclaw	This project will design and permit a project to relocate the channel of Boise Creek to improve the 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.	\$50,000	\$210,000	\$210,000
10	Middle Boise Creek Restoration Design	King County Water & Land Resources	Prepare preliminary (30%) design in support of a future habitat restoration project along Boise Creek to improve fish and wildlife habitat and water quality. This waterbody provides habitat for Chinook (fall and spring runs), steelhead, and bull trout.	\$100,000	\$150,000	\$83,716
WRIA 10 Subtotals				\$185,480	\$562,067	\$495,783
WRIA 10 NOTES:						
<ul style="list-style-type: none"> WRIA 10 received three applications; all were reviewed and scored for match to strategy and socioeconomic goals by TAG and CAC committees. 						
ALL CWM TOTALS				\$20,790,084	\$11,475,799	\$9,855,425