King County

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

KING COUNTY

Signature Report

FCD Resolution

Proposed No. FCD2019-10.2 **Sponsors**

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

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

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

WHEREAS, the District seeks to protect public safety and promote the recovery of native salmon species, and

WHEREAS, the King County Flood Control District ("the District") adopts an annual work program, budget, operating budget for King County, capital budget and six-year capital improvement program pursuant to chapter 86.15 RCW, and

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

WHEREAS, in establishing the District's 2019 budget, the District provided $4,684,168 in funding for projects and activities in WRIA's 7 (Snoqualmie Watershed portion), 8, 9 and 10 (King County portion); now, therefore

BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE KING COUNTY FLOOD CONTROL ZONE DISTRICT:

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

1. WRIA 7 (Snoqualmie Watershed portion) - $1,065,431;
2. WRIA 8 - $1,872,692;
3. WRIA 9 - $1,983,227; and
4. WRIA 10 (King County portion) - $241,345.

B. The amounts listed in Section A. are in accordance with the

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

KING COUNTY FLOOD CONTROL ZONE DISTRICT
KING COUNTY, WASHINGTON

Reagan Dunn, Chair

ATTEST:

Melani Pedroza, Clerk of the District

Attachments: A. 2019 Cooperative Watershed Management Grants

ATTACHMENT A: 2019 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	2020 Snoqualmie Restoration & Project Assistance Program	King County Water and Land Resources	The 2020 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.	$27,122	$125,000	**$125,000**
7	2019 Snoqualmie River Juvenile Salmon Outmigration Monitoring	Tulalip Tribes	The Tulalip Tribes will continue the monitoring of juvenile salmon outmigration in the Snoqualmie River Basin by operating the screw trap located at river mile 12.2 near Duvall. The project 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.	$10,000	$60,000	**$60,000**
7	Tolt Summer Steelhead Monitoring	Wild Fish Conservancy	Wild Fish Conservancy and partners will perform annual snorkel surveys for three years within the anadromous reaches of the Tolt River forks to enumerate Endangered Species Act listed summer-run steelhead and determine their origin (hatchery or wild). The information from these surveys can help inform recovery actions including fishery and habitat management priorities.	$2,000	$19,534	**$19,534**
7	Barfuse Floodplain Restoration	Snoqualmie Indian Tribe	The Snoqualmie Indian Tribe will plant 30 acres of floodplain forest habitat to improve temperature, reduce sedimentation and erosion, and provide a future source of large woody debris which will aid in forming river and habitat complexity. This project will implement a regional and local habitat priority by completing near term riparian planting to benefit ESA listed Chinook salmon and steelhead trout as well as other salmonid species.	$98,500	$92,451	**$59,190**
7	Haffner-Barfuse Floodplain Restoration Design	King County Water and Land Resources	King County will design two flood facility setback projects along the Snoqualmie River at Fall City reach, a high priority reach. This work will increase and improve edge and off-channel habitat, reconnect the Snoqualmie River with approximately 130 acres of its floodplain, restore native vegetation to at least 75 floodplain/ riparian acres, relocate Neal Rd. and construct new flood facilities to current engineering standards.	$ 1,475,020	$500,000	**$400,000**

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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 I	Mountains To Sound Greenway Trust	The Mountains to Sound Greenway Trust, with partners and volunteers, will undertake restoration of the former Snoqualmie RV Park, along a bend in the Snoqualmie River just upstream from the confluence with the Raging River. Restoration work will include invasive species treatment and removal along with the installation of at least 5,000 native plants within 5 acres of riparian buffer.	$ 10,000	$29,999	**$29,999**
7	Beckler Confluence Engineered Log Jams	Wild Fish Conservancy	This project will help fund the construction of a series of engineered log jams in the alluvial fan of the Beckler River. The objectives of the project are to reconnect the Beckler River to its alluvial floodplain and to increase instream habitat diversity and off-channel habitat for native salmonids.	$ 47,000	$830,531	**$175,000**
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 citizen science projects. Nature Vision works with each class to create engaging curriculum that will work best for each classroom's grade level, interest, and learning standards. Students will participate in five to six one-hour educational classroom sessions and then extend their learning on a multi-hour field trip which includes habitat restoration to benefit salmon and watershed processes.	$ 6,837	$34,760	**$34,760**
7	Bunce Bank 3-year Riparian Maintenance	Adopt a Stream Foundation	Adopt-a-Stream Foundation will complete three years of riparian buffer maintenance at the recently restored Bunce site on Griffin Creek. This project will perform the maintenance needed to ensure the establishment of approximately 0.90 acres of riparian vegetation that was planted during the fall of 2018 at the site. Maintenance will include site monitoring, mowing, invasive control, and plant replacement.	$0	$13,418	**$13,418**
7	Snoqualmie River and Tributaries Fish Screening Project 2019-2020	Snoqualmie Valley Watershed Improvement District	The SVWID will continue to work with mainstem Snoqualmie River irrigators and will be expanding technical assistance to tributary irrigators within the vicinity of the SVWID to implement agricultural Best Management Practices (BMP's) that will contribute to salmon restoration efforts in the Snoqualmie River Watershed. Implementation of BMP's will include upgrading to state and federally approved fish screening equipment at all identified surface water diversions for the protection of fish, as well as installing water meters for irrigators to self-meter, and better manage water use. It is anticipated that 18 fish screens will be purchased and installed as part of this grant.	$ 74,765	$54,349	**$27,155**

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
7	Cherry Creek Phase 2 Final Design & Permitting	Sound Salmon Solutions	Sound Salmon Solutions is working with partners and landowners to restore and improve degraded salmon habitat conditions within the lower mile of Cherry Creek. Phase 2 will continue removal of existing rip rap bank armoring, re-contour banks, construct 3 planting benches, and install 2 recessed log jams. This grant will focus only on developing final designs, obtaining permits, and completing construction estimates and bid for the construction activities described above.	$ 764,565	$764,565	**$64,000**
7	Duvall Village Open Space	City of Duvall	The City of Duvall wants to purchase a 6.67-acre site to provide permanent habitat and floodway protection, and passive open space. The area provides wildlife habitat for a variety of wetland and terrestrial species. Connectivity of the proposed site to existing parks, open space and adjacent farmlands provides a passage for wildlife and passive recreation uses along the Snoqualmie River corridor.	$14,500	$17,500	**$17,500**
7	North Bend Riparian, Floodplain and Wetland Enhancement	City of North Bend	The City is proposing to partner with the Greenway Trust to plant trees within a portion of forest bounded by the South Fork of the Snoqualmie River to the west, the Water Treatment Facility to the south and the Snoqualmie Valley Trail to the east (approximately 5 acres). The City will also work with the Greenway Trust and the Meadowbrook Farm Preservation Association to plant native trees adjacent to an unnamed tributary along the southern edge of the Mt. Si Golf Course (approximately 4 acres).	$10,000	$39,875	**$39,875**
7	Snoqualmie Headwaters Riparian Stewardship	Snoqualmie Indian Tribe	The Snoqualmie Indian Tribe, King County Parks, City of Snoqualmie and others are continuing a multi-year effort to improve degraded riparian habitat and water quality along the upper mainstem, Middle, North and South Fork Snoqualmie River. An estimated 12,000 native trees and shrubs will be planted over 25 acres with assistance from community volunteers. This will help to establish contiguous riparian forest buffer that can provide long term shade and cooling, benefiting fish and wildlife habitat.		$64,837	**$0**
7	Upper Snoqualmie Knotweed Control - Final Phase	King County Water and Land Resources	This project is a continuation of knotweed control work in the floodplain of the Snoqualmie River above Snoqualmie Falls. Knotweed infestations in much of the project area are 95% reduced. With continued maintenance-level control, approximately 238 acres of the Upper Snoqualmie has potential for revegetation work. This project will implement multiple strategic plantings with large conifers to supplement natural regeneration, suppress secondary weeds and ensure knotweed control.		$100,024	**$0**

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
7	Carnation Farms	Stewardship Partners	Stewardship Partners will perform the next phase of riparian restoration at Carnation Farms along the mainstem Snoqualmie. Work will take place along ~1,000 linear feet of the Snoqualmie River with an average buffer width of 25' along the mainstem.		$45,551	$0
7	Wallace Acres	Stewardship Partners	Stewardship Partners will perform the next phase of riparian restoration at Wallace Acres along the left bank of the mainstem Snoqualmie River by restoring riparian habitat adjacent to a recently restored area. Work will take place along ~1,000 linear feet of the river with an average buffer width of 35' and up to 100' in places.		$39,921	$0
7	Tolt MacDonald Road Relocation Design	Wild Fish Conservancy	This project would fund the design of a new road in Tolt MacDonald Park. The current access to an area used for group campgrounds and festivals is along a gravel road that crosses a portion of the floodplain of the mainstem Snoqualmie River. Designing the new road would allow for the removal of the existing road and the restoration of the floodplain side channel complex.		$58,159	$0
7	Changing Seasons	Stewardship Partners	Stewardship Partners will perform the next phase of riparian restoration at Changing Seasons Farm along the mainstem Snoqualmie River by restoring a recently acquired parcel of land known as "The Point." Work will take place along ~700 linear feet of the river with an average buffer width of 35 feet.		$45,586	$0
7	Middle Fork River Riparian Restoration Phase I	Mountains to Sound Greenway Trust	The Greenway Trust is proposing to partner with the WDNR to complete tree planting along the riparian buffer and floodplain adjacent to the Middle Fork of the Snoqualmie River. This project will be the first phase of restoration in this zone, and will include the installation of more than 4,000 native trees and shrubs across 15 acres of floodplain.		$35,614	$0
7	Snoqualmie River Juvenile Yearling Chinook Habitat and Distribution eDNA	Wild Fish Conservancy	This project expands an existing CWM grant focused on understanding basin-wide juvenile yearling chinook habitat use and distribution patterns. Project results will help to inform our understanding of juvenile Chinook life history patterns in the Snoqualmie River watershed which may refine habitat restoration and protection strategies.		$45,346	$0
7	Snoqualmie Springs Riverbank Restoration	Ducks Unlimited	This project will begin the restoration of 2/3 of a mile of Snoqualmie riverbank. In this phase we will plant 1,100 linear feet of riparian forest, plan the next 2,500 linear feet of riparian planting, and determine the feasibility of softening 1,000 linear feet of armored bank.		$103,285	$0
			WRIA 7 Subtotals **Leveraged Funds total for recommended projects only*	$2,540,309	$3,120,305	**$1,065,431**

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
WRIA 7 NOTES: • Rationale for unfunded projects: This year was an unprecedented capital project request year for WRIA 7. It was imperative to fund the larger capital project requests in order to have those projects ready for the larger grant cycles such as Large Capital PSAR and Salmon Recovery Funding. The large requests took up the majority of the available funding, leaving little 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.						
WRIA 8						
8	Issaquah Creek Headwaters Protection	King County Water and Land Resources	Complete the fee acquisition of a 125-acre farm at the confluence of Carey and Holder creeks (the headwaters of Issaquah Creek). This acquisition will support extensive future riparian and instream restoration to benefit Chinook and other salmon species.	$1,460,000	$250,000	**$250,000**
8	Scheuerman Creek Riparian & Marine Shoreline Restoration Feasibility	Seattle Parks and Recreation	Undertake a feasibility study, including a conceptual design(s) and cost estimate(s) to determine the feasibility of restoring the shoreline and the mouth of Scheuerman Creek and connecting the creek to Puget Sound in a way that is fish passable.		$75,000	**$75,000**
8	Holder Creek Restoration	King County Water and Land Resources	Design and construct a stream restoration project focusing on placements of large woody material in a 1,700-foot reach of Holder Creek, with the goal being to increase channel complexity and thereby benefit spawning and rearing habitat for Chinook salmon.	$100,000	$240,000	**$240,000**
8	Derby Creek Habitat Enhancement Final Phase	King County Parks	Reconstruct the confluence of Derby Creek with the Sammamish River and the lower 800 feet of the Derby Creek channel, plant riparian vegetation, and restore fish passage by replacing two fish-barrier culverts with fish-passable box culverts.	$800,000	$400,000	**$400,000**
8	Cedar River Stewardship-in-Action – Trees for Streams II	Forterra	Continue the multi-year effort to control knotweed along the Cedar River downstream of Landsburg Dam and implement revegetation projects with private landowners, focusing on planting conifers in suitable locations.	$36,000	$281,269	**$281,269**
8	Lake Sammamish State Park Riparian and Floodplain Restoration	Mountains to Sound Greenway Trust	In partnership with Washington State Parks, complete 5 acres of riparian and floodplain restoration along Issaquah Creek in Lake Sammamish State Park, planting at least 4,000 native trees.	$12,500	$42,680	**$42,680**

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
8	Issaquah Creek Basin Riparian Restoration Ph. 4	Mountains to Sound Greenway Trust	Continue the multi-year project to remove knotweed (and other invasive species) and reforest the riparian zone of Issaquah Creek and its tributaries. This work will take place primarily on private land and, in addition to habitat improvement, will educate landowners on the importance of healthy waterways for salmon recovery.	$5,000	$72,424	**$72,424**
8	Bear Creek Riparian Enhancement Project	Forterra	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 Chinook salmon and other instream resources.		$99,993	**$99,993**
8	Adult Chinook (Fish In) Monitoring 2020	King County Water and Land Resources	Collect escapement data for spawning adult Chinook in WRIA 8. 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	$55,072	**$21,908**
8	Lake Washington Juvenile Salmon (Fish Out) Monitoring in Cedar River 2020	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.		$157,330	**$157,330**
8	Salmonid Parasite Detection in the Lake Sammamish Watershed	Trout Unlimited	Determine the extent of three Myxozoan parasites in the Lake Sammamish/Sammamish River basin, which are known to cause significant disease and mortality of Chinook salmon and other salmonids. In addition to parasite presence, this study will identify potential parasite "hot spots" and next steps for parasite management and conservation of salmon.	$9,000	$93,000	**$93,000**
8	Cedar River Juvenile Chinook (Fish Out) PIT Tagging 2020	Washington Dept. of Fish and Wildlife	Tag juvenile fish at the Cedar River smolt trap to estimate the survival of juvenile Chinook salmon from the Cedar River during their migration through Lake Washington and the ship canal.		$52,990	**$48,270**
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.	$61,045	$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.	$120,933	$13,200	**$13,200**

WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
8	Forests and Fins Education Program	Mountains to Sound Greenway Trust	Deliver salmon-focused lessons to 4th-12th grade students through hands-on, inquiry-based science curriculums and foster the next generation of environmental stewards and conservation leaders.	$10,000	$26,868	**$26,868**
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.	$12,293	$12,250	**$12,250**
8	Juvenile Salmon (Fish Out) Monitoring – Bear Creek Smolt Trap	Washington Dept. of Fish and Wildlife	Trap juvenile fish migrating out of Bear Creek 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.		$94,568	**$0**
			WRIA 8 Subtotals **Leveraged Funds total for recommended projects only*	$2,628,931	$2,005,144	**$1,872,692**

WRIA 8 NOTES:

- Rationale for unfunded projects:

One proposal is not recommended for funding in this grant cycle. The proposal is for operating a juvenile salmon trap on Bear Creek, and the other monitoring proposals recommended for funding were considered by the WRIA 8 Technical Committee to be higher priority. WRIA 8 is working with staff from the Washington Department of Fish and Wildlife to identify other means to continue this data collection.

- Rationale for partial funding:

Two monitoring proposals are recommended for partial funding—both of the recommendations are intended to support the Cedar River component of these monitoring efforts, identified by the WRIA 8 Technical Committee as the priority for limited monitoring funding.

WRIA 9

9	WRIA 9 Capital Projects Implementation	King County Water and Land Resources	Funding will support implementation of projects and programs in the Green/Duwamish and Central Puget Sound watershed, 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 improvement implementation.	$100,000	$131,300	**$131,300**
9	WRIA 9 Beach Naturalist Program	Seattle Aquarium	The Beach Naturalist program is a public education and outreach program designed to engage Puget Sound citizens in learning how to protect and conserve the nearshore environment. Beach Naturalists seeks to motivate behavioral change by raising public understanding about the value and fragility of the intertidal ecosystem, salmon, the nearshore and Puget Sound.	$182,133	$21,000	**$21,000**

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	Riverton Creek Flapgate Removal	City of Tukwila	The City of Tukwila will improve habitat conditions along the lower 1,200 lineal feet of Riverton Creek and restore fish access between the creek and the Duwamish River, providing off-channel rearing habitat for five species of anadromous salmon and trout, including ESA listed Chinook and Steelhead. 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.	$950,000	$140,000	**$140,000**
9	Green River Riparian Revegetation	King County Water and Land Resources	Revegetate 13 acres along 1.3 miles of Green River shoreline nearly devoid of tree cover with native trees and shrubs. Restoring native riparian vegetation will benefit spawning and rearing Chinook salmon and steelhead by increasing riparian shade that will help mitigate high summer water temperatures in the Middle and Lower Green.	$90,700	$50,600	**$50,600**
9	Point Heyer Drift Cell Preservation	King County Water and Land Resources	This grant targets acquisition and restoration of two properties on Vashon Island in the Point Heyer Drift Cell totaling 25 acres, including tidelands. They include 2,650 feet of high-quality shoreline, 990 feet of actively eroding bluff-backed beach, and the largest intact barrier lagoon in King County.	$550,000	$650,000	**$595,575**
9	Green River smolt monitoring and otolith analysis	Washington Department of Fish and Wildlife	Operate a smolt trap capturing downstream migrating juvenile salmon. This ongoing monitoring project has provided essential abundance and life history diversity data on salmonids, including ESA-listed Chinook salmon and steelhead trout, since 2000. In addition, we will collect and analyze up to 150 adult Chinook otoliths for life history analysis.		$72,000	**$72,000**
9	Lowman Beach Park Seawall Removal and Shoreline Restoration	Seattle Parks and Recreation	This construction project will remove the failing seawall and undertake the beach restoration on the north half of Lowman Beach Park. The remnant of Pelly Creek that flows under the park in a pipe will also be daylighted as part of the project. The purpose is to recreate the natural sloping beach with large wood and native vegetation to provide marine nearshore habitat for migratory juvenile Chinook salmon.	$150,000	$450,000	**$450,000**
9	Lones Levee Restoration Construction	King County Water and Land Resources	The Lones Levee Restoration project along the Middle Green River will remove the levee, enhance the floodplain with habitat features, and protect adjacent agricultural land. The major construction elements are levee face rock removal, gravel and wood distribution through the floodway, construction of a setback levee, and revegetation. Funding from this CWM grant will go toward project construction which may include access road construction, revegetation, LWD placement, gravel distribution, or another project element.		$124,105	**$131,374**

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WRIA	Project Name	Project Sponsor	Project Description	Secured Leveraged Funds	Funding Requested	Funding Recommended by WRIA
9	Fort Dent Shoreline Stewardship	Forterra	This project will engage the Tukwila community in transforming 1,000 linear feet of riverbank at Fort Dent Park from blackberry monocultures to diverse native vegetation communities. This project will also engage private landowners in restoring their property as part of the long term stewardship of the river.		$60,000	**$60,000**
9	Lower Green River Riparian Revegetation: Bicentennial/ Riverview Office Parks	Green River Coalition	This restoration project will remove invasive plants and plant native trees and a diverse shrub layer on a riverside swath of the Green River Trail. Work will be implemented by professional crews. The project will also include volunteers with educational opportunities for citizens using the trail.	$10,000	$60,000	**$65,152**
9	Lower Green Auburn Parks Revegetation and Stewardship Project	Mid Sound Fisheries Enhancement Group	Mid Sound is partnering with Auburn Parks & Recreation in revegetation and stewardship on three city parks that are along the shores of the Lower Green River: Fenster, Dykstra, and Isaac Evans. Mid Sound will coordinate with other partners and volunteers to ensure survival and growth of recent tree plantings, to plant more native trees and native shrubs along the shoreline where the density is low or there are open gaps, and to accelerate succession to an evergreen canopy where it is primarily deciduous.	$8,000	$60,000	**$62,424**
9	Newaukum Creek Revegetation	King County Water and Land Resources	Revegetate riparian zone of Newaukum Creek in reach identified in an Ecology TMDL as having water temperatures that exceed state standards for salmon to provide shade to one of the two largest tributaries in the Green/Duwamish River Watershed. This stream provides spawning and rearing habitat for Chinook salmon and steelhead, including the reach proposed for funding in this grant.	$20,000	$60,000	**$62,424**
9	Changing Behaviors: Improving Watershed Health and Salmon Habitat Education & Outreach	Environmental Science Center	Environmental Science Center will 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.	$8,881	$30,000	**$30,000**
9	Green River Flapgate Juvenile Salmon Passability and Design Evaluation	King County Water and Land Resources	This project will develop and implement flapgate monitoring technology, measure physical characteristics of flapgates, and perform fish sampling above and below flapgates in the Green River. This will allow us to understand when and how flapgates are allowing juvenile passage upstream, as well as develop recommendations for the construction and retrofit of current flapgate facilities.		$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	Economic Study of the impact of Salmon Restoration on Property Value in the Puget Sound	American Rivers	This study will research the economic impact of urban waterway, waterfront, greenway and salmon habitat improvements on property values and the property taxes in the Puget Sound Region. The goal of this study is to show the positive impact that investments in our waterways can have on city revenue and use that economic incentive to identify sustainable funding mechanisms that can be used to finance and maintain restoration efforts in perpetuity.	$85,000	$15,000	**$15,000**
9	Downey Farmstead Side Channel Restoration Phase II	City of Kent	City of Kent will restore juvenile salmon habitat by constructing a side channel and reconnecting floodplain on the left bank of the Green River between river mile (RM) 21.5 and RM 22.3 on property acquired by the city in 2008. When restoration is complete, side-channel rearing and refuge habitat will be available to juvenile salmon throughout most of the year, particularly juvenile Chinook salmon that inhabit the Green River.	$3,235,431	$200,000	**$56,378**
			WRIA 9 Subtotals	$5,390,145	$2,164,005	**$1,983,227**
WRIA 10						
10	White River Juvenile Salmon Production Assessment	Puyallup Tribe	This project will monitor the outmigration of juvenile salmon, during late winter and spring months of 2021, on the White River in order to estimate abundance, run timing and other biological characteristics of ESA listed salmon species (Chinook and Steelhead).	$73,820	$172,493	**$172,493**
10	Middle Boise Creek Conservation Easement Acquisition	King County Water & Land Resources	Acquire conservation easements, and possibly land in fee, from streamside landowners in order to construct future habitat restoration projects along Boise Creek. This waterbody provides habitat for Chinook (fall and spring runs), steelhead, and possibly bull trout.	$120,000	$68,852	**$68,852**
			WRIA 10 Subtotals	$193,820	$241,345 *	**$241,345**
WRIA 10 NOTES: • WRIA 10 received two applications, both reviewed and scored for match to strategy and socioeconomic goals by TAG and CAC committees.						
			ALL CWM TOTALS	$10,753,205	$7,530,799	**$5,162,695**