

Cooperative Watershed Management Grants 2015

The Flood District allocates a portion of its capital budget to fund implementation of Water Resource Inventory Area (WRIA) Forum priorities for the Snoqualmie Watershed Forum (WRIA 7), Lake Washington/Cedar/Sammamish Watershed (WRIA 8) Salmon Recovery Council, the Green/Duwamish and Central Puget Sound Watershed (WRIA 9) Ecosystem Forum, and the Puyallup-White Watershed Citizen Advisory Committee (WRIA 10).

The policy basis for this use of funds is RCW 86.15.035 which authorizes flood control zone districts to participate in and expend revenue on cooperative watershed management arrangements and actions consistent with RCW 39.34.190. (See FCD2012-07.2)

The WRIA funds are administered by King County’s Water and Land Resources Division on behalf of the District, and according to the enabling resolution, FCD2012-07.2, WLRD administrative costs are limited to 5% of the annual WRIA allocation from Flood District funds. King County, as the grant administrator, has set the following priorities for funding:

“The priorities, driven primarily by WRIA salmon conservation plans, include habitat restoration and protection, water quality improvements, regionally-coordinated monitoring, watershed planning, stewardship, outreach, and education.”

WRIA	Project Name	Project Sponsor	Project Description	Match Funds	CWM Request
SNOQUALMIE FORUM IN WRIA 7					
7	2016 Snoqualmie Restoration and Project Assistance Program	King County WLRD	King County will provide project development assistance and regional coordination to implement the Snohomish River Salmon Conservation Plan in the King County portion of WRIA 7. Direct project assistance will include design review, site visits, grant writing and project coordination.	\$17,478	\$110,000
7	Snoqualmie Footbridge Revetment Removal - Feasibility	Wild Fish Conservancy	Wild Fish Conservancy will conduct a feasibility analysis for habitat restoration at a site in Tolt MacDonald near the confluence of the Tolt and Snoqualmie Rivers. This project will look at the potential of restoring 14 acres of floodplain through the removal of 2,000 feet of revetment.		\$94,358
7	Tolt San Souci - Floodplain Restoration Feasibility	King County WLRD	King County proposes restoring floodplain habitat forming processes along the Tolt River by removing a revetment and	\$298,753	\$180,704

WRIA	Project Name	Project Sponsor	Project Description	Match Funds	CWM Request
	and Design		the remnant infrastructure in the San Souci neighborhood. It is expected that this will reconnect more than 60 acres of the Tolt floodplain.		
7	Snoqualmie River Juvenile Salmon Outmigration Monitoring	Tulalip Tribes	The Tulalip Tribes will continue the monitoring of juvenile salmon outmigration in the Snoqualmie River Basin at 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.	\$62,984	\$60,000
7	Tolt Steelhead Census	Wild Fish Conservancy	Wild Fish Conservancy proposes to perform 3 years of adult summer steelhead monitoring program that provides critical monitoring data for this ESA-listed population.	\$1,252	\$19,500
7	South Fork Skykomish Headwaters Knotweed Control Project	King County WLRD	The King County Noxious Weed Control Program proposes to build on previous, successful efforts to comprehensively and sustainably reduce the impact of knotweed in riparian ecosystem in the South Fork Skykomish basin.	\$19,532	\$40,000
7	Lower Cherry Creek Designs Phase II and III	Sound Salmon Solutions	This project builds on the first phase of this project which is to improve habitat conditions along Cheery Creek. Phase II and III will allow Sound Salmon Solutions to design the last two phases of the project and submit the project in its entirety for permitting, which provides significant efficiency and cost savings.		\$58,000

WRIA	Project Name	Project Sponsor	Project Description	Match Funds	CWM Request
7	Blue Heron Golf Course - Phase I	Sound Salmon Solutions	Sound Salmon Solutions proposes to restore 4 acres along the mainstem Snoqualmie River. The project includes removing invasive weeds and planting native trees and shrubs with the goal of controlling water temperatures and erosion along the Snoqualmie River.	\$15,114	\$60,000

WRIA 7					
7	Restoring Riparian Functions on the Snoqualmie River: Monitoring, Maintenance & Knotweed Treatment at Oxbow Farm & Conservation Center	Oxbow Farm	This project funds needed maintenance on several riparian restoration sites on Oxbow Farm's property. This funding will allow Oxbow to document baseline and endline conditions, produce short-, mid-, and long-term maintenance and improvement plans and perform necessary monitoring.	\$81,521	\$54,946
7	Stream Habitat Enhancement Feasibility Study	Town of Skykomish	This project will fund the Town of Skykomish to assess in-stream and riparian buffer habitat, impediments to fish passage, stream bank erosion, and noxious weeds along fish bearing streams. From this work a list of potential enhancement/restoration and habitat protection projects will be developed, prioritized, and adopted by the Town.	\$4,000	\$18,000
7	Watershed Education for Decision Makers	Sound Salmon Solutions	The education project is a science-based, politically neutral, summary level, field-based education program that aims to improve elected officials knowledge and understanding of natural resource management issues and solutions.		\$15,000
7	Kimball Creek Water Quality Improvement Project: Phase III	Snoqualmie Tribe	The Snoqualmie Tribe proposes to restore 1,100 feet of Kimball Creek by removing invasive weeds, regrading the banks and establishing a 35 – 100 foot buffer of native riparian vegetation totaling for approximately 2.7 acres of native riparian buffer.	\$42,338	\$78,551
7	Riverwalk Phase I Restoration	City of Snoqualmie	City of Snoqualmie will enhance a portion of the Snoqualmie River corridor by controlling weeds and installing conifers, improving water quality and shading along 1,800 feet of shoreline, totaling 21 acres.	\$10,000	\$50,000
Snoqualmie Forum Subtotals				\$552,972	\$839,059

WRIA 8					
8	Salmon Run Nature Park Stream Restoration	City of Issaquah	Improve instream and riparian habitat for Chinook salmon on Issaquah Creek by widening and restoring the stream channel and floodplain, removing invasive species, and planting native plants.	\$150,000	\$525,000
8	Klapp Restoration	King County	Enhance juvenile Chinook rearing habitat on 270 feet of Mackey Creek and 150 feet of Bear Creek by removing armor, grading the banks, and planting native vegetation.	\$67,089	\$60,000
8	Sammamish River Side Channel Restoration	City of Bothell	Reconnect a 1,080-foot relic side channel and floodplain to the river to provide off-channel rearing habitat for Chinook and coho salmon. The project will also enhance five acres of floodplain wetlands and convert 1.5 acres of blackberry to native vegetation.	\$772,408	\$315,114
8	Issaquah Creek Instream Restoration at Lake Sammamish State Park	Mountains to Sound Greenway Trust	Conduct conceptual design for instream restoration along the 6,600-foot reach of Issaquah Creek within Lake Sammamish State Park to improve habitat for adult and juvenile Chinook.	\$10,000	\$45,000
8	Evans Creek Relocation	City of Redmond	Funding will support final design to relocate and restore a 3,500-foot section of Evans Creek from an industrial area to adjacent open space for the benefit of Chinook and coho salmon.	\$84,000	\$335,061
8	Issaquah Creek Public Land Restoration Maintenance	Mountains to Sound Greenway Trust	Conduct follow-up invasive plant treatment and infill plantings along Issaquah Creek within Lake Sammamish State Park and at the Issaquah Hatchery Dam Removal project site to ensure the success of previous restoration investments.	\$25,000	\$45,000
8	Cottage Lake Creek Riparian Planting	King County	Work with private property owners to restore riparian buffers along Cottage Lake Creek by treating invasive species, removing bank armor, and replanting the riparian area.	\$25,000	\$75,000
8	Bear Creek Riparian Restoration	Wild Fish Conservancy	Identify and prioritize riparian restoration opportunities along upper Bear Creek to set the foundation for future riparian enhancement projects targeting Chinook salmon habitat.	\$500	\$20,000

WRIA 8					
8	2016 Lake Washington Juvenile Salmon Monitoring	Washington Dept. of Fish and Wildlife	Trap and tag juvenile Chinook salmon in WRIA 8 to evaluate the success of implementing the <i>WRIA 8 Chinook Salmon Conservation Plan</i> .	\$120,000	\$241,146
8	2016 Adult Chinook (Fish-In) Monitoring	King County	Monitor spawning Chinook salmon in WRIA 8 to evaluate the success of implementing the <i>WRIA 8 Chinook Salmon Conservation Plan</i> .		\$57,163
8	Mountains to Sound Greenway Forests and Fins Education Program	Mountains to Sound Greenway Trust	Through a combination of classroom learning and onsite restoration work, educate 4th - 12th grade students on the actions they can take to improve ecosystems for salmon.	\$5,000	\$15,000
8	Beach Naturalists	Seattle Aquarium	Train naturalists to motivate behavioral change by raising the public's understanding of the value of the intertidal ecosystem, the nearshore, and Puget Sound for salmon.	\$68,125	\$13,200
8	Cedar River Salmon Journey	Seattle Aquarium	Educate citizens about Cedar River salmon, watershed health, and the actions citizens can take to help salmon recovery efforts.	\$74,038	\$38,500
8	Watershed Education for Decision-Makers	Sound Salmon Solutions	This program aims to improve elected officials' knowledge and understanding of natural resource management and salmon recovery issues/solutions through a science-based, politically neutral, summary level, field-based education program.		\$14,997
8	Salmon Watcher	King County	Recruit and train citizen volunteers to collect data on salmon presence in local streams. The program also emphasizes education about overall watershed health.	\$35,532	\$14,303
WRIA 8 Subtotals				\$1,436,692	\$1,814,484

WRIA 9					
9	"Green the Green" – WRIA 9 Revegetation Grant Round	WRIA 9	This funding will be used to formalize a partnership, known as "Green the Green," with businesses and environmental organizations in order to implement a revegetation strategy that will address water temperature and riparian habitat concerns in the Green/Duwamish River.		\$250,000
9	Mill Creek - Leber Restoration Project	City of Kent	The project will construct a floodplain wetland off of Mill Creek providing 1.8 acres of floodplain habitat below the ordinary high water mark and 5.4 acres below the 100-year flood height providing flood refuge habitat for juvenile salmonids.	\$1,619,853	\$558,000
9	Downey Farmstead Restoration Project - Phase 1	City of Kent	As the first phase of the project, Frager Road on the Downey site will be relocated away from the river's edge to allow future creation of the side channel network and expanded floodplain. A later subsequent phase will create the side channel which will increase rearing and flood refuge habitat for juvenile salmonids.	\$717,255	\$106,227
9	McSorley Creek Pocket Estuary Restoration Design	WRIA 9 in cooperation with WA State Parks	King County will continue design efforts at Saltwater State Park in Des Moines. The future restoration project will remove rock armoring along McSorley Creek to restore intertidal habitat at the creek delta and remove as much of the 1800 feet of marine shoreline armoring as possible while maintaining cultural resources.		\$250,000

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 with curriculum, field studies, educational materials, and community events. This project will encourage people in WRIA 9 to make positive behavior changes to improve water quality and protect salmon habitat.	\$75,585	\$30,000
9	WRIA 9 Capital Implementation/Outreach and Communication Products	WRIA 9	Funding would support the Green/Duwamish Capital Implementation and Outreach and Communication Products. The Capital Implementation includes coordination of priority capital projects and programs. This function supports the resources, education and outreach, and tools needed for capital improvement implementation. The Outreach and Communications implements WRIA 9's community-based outreach, engagement, and stewardship.		\$250,000
9	2015 Green River Temperature data compilation and report	King County	This project would analyze water temperature data that is currently being collected by King County and other organizations at 26 sites within the Green/Duwamish and major tributaries. This will provide a cohesive and consistent analysis and report that will guide revegetation efforts and other activities intended to reduce stream temperatures during critical summer months.		\$15,000

WRIA 9					
9	Green River Smolt Trap	Washington Department of Fish and Wildlife	This funding will contribute towards operation of the Green River screw trap. The focus of this project is to estimate the number of naturally-produced Puget Sound Chinook salmon originating from the river system and is part of a long-term monitoring effort.		\$40,000
9	Juvenile Salmon Use in the Duwamish	Univ. of WA Wetland Ecosystem Team	The use of restoration sites by juvenile salmon and other fish, within the tidally influenced transition zone in the Duwamish estuary, will be evaluated using several netting techniques.		\$65,000
9	Beach Naturalist Program 2016	Seattle Aquarium	The Beach Naturalist Program is a public education and outreach program that uses local citizen volunteers to teach the general public about the importance of the nearshore environment.	\$60,325	\$21,000
WRIA 9 Subtotals				\$2,473,018	\$1,585,227

WRIA 10					
10	White River Juvenile Salmon Production Assessment Project	Puyallup Tribe of Indians	This project will monitor the outmigration of juvenile salmon on the White River to establish abundance estimates, run timing and biological characteristics for ESA listed Spring Chinook and other salmon species. The eight-foot screw trap will be built, installed and fished with three temporary employees hired by the Puyallup Tribe of Indians. This is a continuation of a grant funded by CWM in 2014.		\$117
10	Greenwater River Phase 4 Assessment and Design	South Puget Sound Salmon Enhancement Group	This project will perform a reach-scale assessment of the Greenwater River between river mile 2 and 4 to identify limiting factors and prescribe restoration treatments to restore instream complexity and floodplain connectivity.		\$39
10	Buckley Diversion Dam Pink Salmon Removal Project	Washington Council of Trout Unlimited	This project will implement a salmon separation unit connected to a Whooshh Innovations transport system to segregate and collect pink salmon prior to the White River diversion dam at Buckley to alleviate ESA-listed species crowding and collection at the fish trap. The pink salmon will be transported and released above Mud Mountain Dam, per normal procedures.	\$91,293	\$60
WRIA 10 Subtotals					\$217
TOTALS				\$4,553,975	\$4,45