



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

September 10, 2013

FCD Resolution

Proposed No. FCD2013-13.1

Sponsors

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

7 WHEREAS, the King County Flood Control Zone District's ("District")
8 comprehensive plan prioritizes expanded partnerships and collaborations with watershed
9 forums; and

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

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

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

17 WHEREAS, the District desires to continue funding watershed resource inventory
18 area ("WRIA") activities and projects, that are identified using a process for awarding
19 WRIA grants in which the WRIA forums made grant recommendations to the District

20 and the King County Water and Land Resources Division administers the grant
21 processes; and

22 WHEREAS, in establishing the District's 2013 budget, the District provided
23 \$3.15 million in funding for projects and activities in WRIA's 7 (Snoqualmie Watershed
24 portion) 8, 9 and 10 (King County portion); now, therefore

25

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

28 The Board authorizes the funding of water quality and water resources and habitat
29 restoration projects and activities, as follows:

30 A. Snoqualmie Watershed (King County of WRIA 7) - \$600,000, as shown on
31 attachment A of this ordinance;

32 B. WRIA 8 - \$1.2 million, as shown on attachment B of this ordinance;

33 C. WRIA 9 - \$1.2 million, as shown on attachment C of this ordinance; and

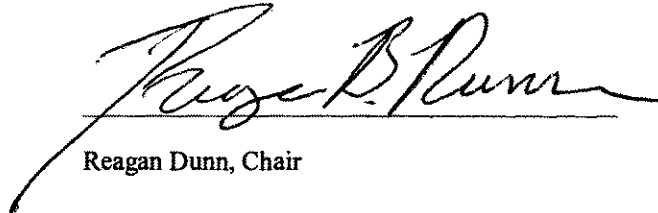
34 D. WRIA 10 (King County portion) - \$150,000, as shown on attachment D of this
35 ordinance.

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FCD Resolution was introduced on and passed by the King County Flood Control District on 9/9/2013, by the following vote:


Yes: 7 - Mr. Phillips, Mr. von Reichbauer, Ms. Hague, Ms. Patterson,
Mr. Dunn, Mr. McDermott and Mr. Dembowski
No: 1 - Ms. Lambert
Excused: 1 - Mr. Gossett

KING COUNTY FLOOD CONTROL DISTRICT
KING COUNTY, WASHINGTON



Reagan Dunn, Chair

ATTEST:



Anne Noris, Clerk of the District

Attachments: A. Snoqualmie Watershed (King County of WRIA 7) - \$600,000, B. WRIA 8 - \$1.2 million, C. WRIA 9 - \$1.2 million, D. WRIA 10 (King County portion) - \$150,000

A. Snoqualmie Watershed Forum 2013 CWM Grant Recommendation

				Match	CWM Funding
7	2014 Snoqualmie Restoration and Project Assistance Program	King County DNRP	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.	\$33,048	\$100,000
7	Toll-MacDonald Park Riparian Habitat Restoration	Snoqualmie Tribe	The partnership with the City of Carnation and King County Parks will restore 2.5 acres of floodplain riparian habitat along the Tolt River within a high priority subbasin for salmon recovery.	\$19,734	\$30,832
7	Tolt River and Griffin Creek Natural Area Additions	King County DNRP	King County will purchase at least eight acres of high quality salmon habitat along lower Griffin Creek and the Tolt River.	\$918,714	\$41,786
7	Aronica Riparian Restoration and Livestock Management Project 2013	Stewardship Partners	The partnership with American Farmland Trust, Natural Resource Conservation Service and King County, will install exclusion fencing on private farmland and restore over 4 acres of riparian habitat along the Snoqualmie River.	\$35,375	\$44,220
7	Raging River Knotweed Control, Phase 4	Mountains to Sound Greenway Trust	This project continues a multi-year effort to systematically control invasive Bohemian knotweed along the Raging River and re-establish native vegetation. This phase will control a minimum 20 acres of knotweed and replant a minimum 2,500 native plants.	\$10,000	\$60,000
7	Tolt River Survey and Riparian Restoration	Sound Salmon Solutions	Sound Salmon Solutions proposes to survey invasive butterfly bush and knotweed on the lower Tolt River. In addition, the project will remove 8 acres of invasive plants and restore approximately 2 acres of riparian area along the Tolt River.	\$28,710	\$46,297
7	Stillwater Restoration Phase III	Sound Salmon Solutions	The project will control invasive weeds and plant 4 acres of native vegetation along Harris Creek at the state-owned Stillwater Wildlife Unit.	\$50,015	\$62,788
7	WRIA 07 King County Fish Passage Data Gap Evaluation (Phase I-2013)	Wild Fish Conservancy	Wild Fish Conservancy proposes to evaluate fish passage of thirteen culvert and tide-gates along the Snoqualmie River. King Conservation District staff will be trained in culvert assessment to provide increased assistance to landowners.	\$3,600	\$46,848
7	Langlois Creek Habitat Restoration Project	Wild Fish Conservancy	The project will design, permit, construct, and monitor an instream and riparian habitat restoration project along lower Langlois Creek on private land.	\$80,000	\$60,000
7	Waterwheel Creek Riparian Planting	Sound Salmon Solutions	The project will plant 1.5 acres at the recently completed Waterwheel Creek Restoration Project site in collaboration with the Wild Fish Conservancy, Washington Department of Fish and Wildlife and Ducks Unlimited.	\$29,289	\$18,930
7	Meadowbrook Slough Enhancement Project - Boalch Ave to Mt Si Golf Course	City of Snoqualmie	The city will continue a multi-year restoration effort at the city owned Three Forks Natural Area and the adjacent Mt. Si Golf Course. The project involves 4.6 acres of riparian habitat restoration.	\$15,000	\$26,957
7	2013-14 Snoqualmie Valley Watershed Education and Stewardship Project	Nature Vision	Nature Vision will conduct 50 hands-on, watershed education programs for local public schools and five student Blue Teams will visit local restoration projects.	\$894	\$10,800
7	Tollgate Farm E, Bookend NE Parcel Weed Control Project, Phase 3	City of North Bend	This multi-year effort along the South Fork Snoqualmie River floodplain at the North Bend-owned Tollgate Farm will control invasive weeds on at least 18 acres.	\$13,000	\$40,000
7	Rasmussen Creek Riparian Buffer Restoration	Snoqualmie Tribe	The project will improve habitat conditions along Rasmussen Creek by fixing a fish passage barrier, adding structural habitat complexity, and restoring a riparian buffer covering over 5 acres.	\$177,000	\$32,642

Total Match Leverage \$1,414,179

B. Lake Washington / Cedar / Sammamish Watershed (WRIA 8) 2013 Preliminary Cooperative Watershed Management Funding List

Site-Specific Projects					
8	Riverbend Acquisition - Relocation	King County	Provide a portion of the funding needed to relocate mobile home park residents from floodplain property recently purchased by King County. Fulfilling this obligation will set the stage for a large-scale floodplain reconnection and habitat restoration project.	\$7,389,900	\$298,893
8	Evans Creek Relocation Design	City of Redmond	Partial design funding for the Evans Creek relocation, which is intended to reconnect the channel with floodplain wetlands, restore riparian buffer function, and improve in-stream habitat.	\$792,668	\$228,300
8	Beaux Arts Shoreline Restoration, Phase II	Western Academy of Beaux Arts	Construct phase two of a three phase shoreline restoration project, which will involve setting back 200 feet of shoreline armoring, creating two coves using native beach material, and planting native riparian vegetation.	\$0	\$139,995
8	Derby Creek Enhancement, Phase I	King County	Planning and preliminary design focused on improving stream flow, fish passage, and cold water refuge habitat in Derby Creek near the confluence with the Sammamish River.	\$26,740	\$78,419
8	Issaquah Creek Knotweed Control and Reforestation	Mountains to Sound Greenway Trust	Continuation of a multi-year project to remove knotweed and reforest the riparian zone of Issaquah Creek and its tributaries.	\$20,000	\$50,000
8	Little Bear Creek Knotweed Control and Reforestation	Mountains to Sound Greenway Trust	Conduct knotweed surveys, perform invasive species control, and plant native vegetation along the lower two miles of Little Bear Creek.	\$16,553	\$24,447
Monitoring Proposals					
8	Fish In / Fish Out Monitoring	King County	Continue the long-running effort in WRIA 8 to monitor Chinook salmon status and trends, which provides information to support capital project development and guides plan implementation.	\$27,000	\$298,046
Outreach and Education Proposals					
8	Cedar River Salmon Journey	Friends of the Cedar River Watershed	Conduct interpretive programs at salmon viewing locations in the Cedar River Watershed and at the Hiram Chittenden Locks to educate citizens about salmon ecology and watershed health.	\$69,826	\$36,000
8	Salmon Watchers 2014	King County	Educate and train citizen volunteers to document salmon presence in community streams and provide targeted outreach on salmon habitat conservation at key locations in WRIA 8.	\$41,902	\$33,301
8	Beach Naturalists 2014	Seattle Aquarium	Train volunteer naturalists to work on beaches educating citizens about the vital role of the marine nearshore for salmon and to provide information on ways to protect the nearshore environment.	\$70,000	\$12,600
				Total Match Leverage	\$8,453,488
Recommended Overall Request: \$11,000,000					

C. WRIA 9 Watershed Ecosystem Forum 2013 CWM Grant Recommendation

9	Judd Creek Wood Placement CWM 13-9-1	King County DNRP	This project will work with a private property owner to create habitat improvements on their property to benefit salmon. Project includes installing large woody debris, native plantings and controlling invasive species.	\$3,318	\$80,000
9	Duwamish Gardens Construction (Year 2) CWM 13-9-2	City of Tukwila	Construct off-channel fish habitat, riparian plantings, and minor park elements on a 2.16 acre site owned by the City of Tukwila. This project will create approximately one acre of shallow water juvenile salmonid habitat in the Duwamish sub-watershed transition zone.	\$1,015,827	\$765,000
9	Changing Behaviors: Improving Watershed Health & Salmon Habitat CWM 13-9-3	Environmental Science Center	This program will help improve the Puget Sound watershed by delivering programs and engaging activities focus on teaching students and the community about the concerns with watershed health and salmon recovery. These programs and events ask participants to take personal responsibility for their watershed by making positive behavior changes.	\$31,385	\$30,000
9	Cumulative Habitat Conditions Monitoring - Lower Green and Duwamish CWM 13-9-4	King County DNRP	The intent of this project is to collect large woody debris, pool and shoreline armoring information in the Lower Green and Duwamish sub-watersheds that can be compared with data collected in 2004. This leverages work that will be contracted by the US Army Corps of Engineers to continue sampling efforts downstream.	\$0	\$50,000
9	Lower Green River Juvenile Fish Use Surveys CWM 13-9-5	King County DNRP	This project will collect pre-project construction fish use data in the Lower Green river where multiple projects will be occurring over the next five years. Juvenile fish use of the lower river is not well understood and this will help provide essential information for how restoration projects perform and guide future restoration design.	\$0	\$30,000
9	Beach Naturalist Program CWM 13-9-6	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. The request is for support for 2013 and 2014.	\$62,500	\$42,000
9	WRIA 9 Capital Projects & Programs Implementation/Administration CWM 13-9-7	King County DNRP	The WRIA 9 project implementation provides resources to project sponsors, including local jurisdictions and non-profit organizations, in order to get high priority projects completed in a consistent and timely manner. The intent of the work is to also assess service delivery and management gaps for future development, including conducting a stakeholder process to evaluate	\$440,000	\$163,000
9	Green River Smolt Trap - Smolt Monitoring CWM 13-9-8	Washington Department of Fish and Wildlife	This funding will contribute towards operation of the Green River screw trap, located on the Middle Green River at Rivemile 34.5. The focus of this project is to estimate the number of naturally-produced Puget Sound Chinook originating from this river system and is part of a long-term monitoring effort.	\$80,000	\$40,000

Total Match Leverage \$1,633,030

D. 2013 CWM Grant Application Summary

10	Greenwater River Floodplain Restoration Phase 3	South Puget Sound Salmon Enhancement Group	This Phase 3 project builds upon work completed in 2010 and 2011 on the Greenwater River in which 13 mid-channel engineered log jams were installed and nearly a mile of stream adjacent forest road was removed from the floodplain. This project will install up to five additional jams in a one-mile reach of stream downstream of the phase I and phase II project sites, as well as monitor project effectiveness.	\$336,509	\$65,000
10	Boise Creek Basin Project	King Conservation District	The goal of this project is to provide targeted outreach to landowners/residents in the Boise Creek drainage basin resulting in the connection of additional landowners/residents with Conservation District services and the implementation of conservation actions on privately owned land. Services include fish and wildlife enhancement, volunteer water quality monitoring, knotweed control, farm planning, and engineering services.	\$30,000	\$53,381
10	Hylebos Watershed Fisheries Assessment	City of Federal Way	Federal Way will conduct a fisheries study including fish speciation, utilization and barriers to recovery assessment. The goal of this project is to provide critical data needed to make science based decisions regarding the identification and prioritization of restoration projects focused on salmon recovery within the West Hylebos watershed.	\$1,600	\$31,619
Total Match Leverage				\$368,109	