

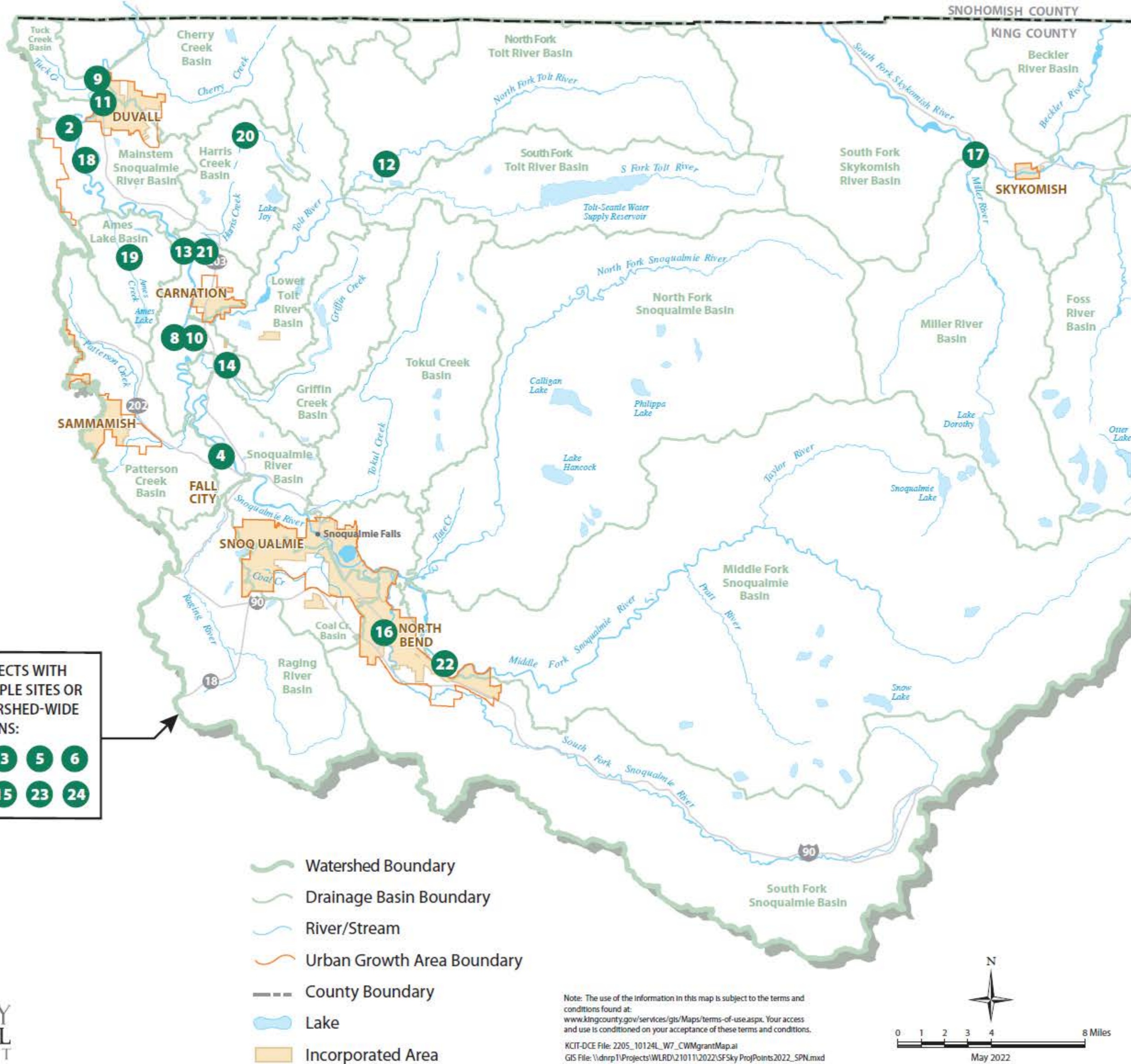
# Snoqualmie / South Fork Skykomish Watersheds

## 2022 Snoqualmie Forum / Cooperative Watershed Management (CWM) Final Grant Applications

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\*PROJECTS WITH MULTIPLE SITES OR WATERSHED-WIDE ACTIONS:

1 3 5 6  
7 15 23 24



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# SNOQUALMIE AND SOUTH FORK SKYKOMISH WATERSHEDS

## 2022 COOPERATIVE WATERSHED MANAGEMENT: FINAL GRANT RECOMMENDATIONS

Project	Applicant	Sub-basin Strategy Group	Leveraged Funds	Final Request	PRC Recommendation
2023 Snoqualmie Project Assistance	Forum/Cities	Basin Wide	\$26,709	\$135,000	<b>\$135,000</b>
2023 Snoqualmie River Juvenile Screw Trap	Tulalip Tribes	Basin Wide	\$40,000	\$60,000	<b>\$60,000</b>
Youth Watershed Education, Stewardship, & Community Science	Nature Vision	Basin Wide	\$24,046	\$105,918	<b>\$70,612</b>
Barfuse-Fall City West Floodplain Restoration Project	Oxbow Farm & Conservation Center	Mainstem Primary Restoration	\$17,026	\$74,690	<b>\$74,690</b>
Youth Engaged in Sustainable Systems: Riverview School District	Mountains to Sound Greenway Trust	Basin Wide	\$6,000	\$109,165	<b>\$109,165</b>
Salmon in Schools	Sound Salmon Solutions	Basin Wide	\$5,708	\$50,000	<b>\$50,000</b>
Youth Exploring Stream Science	Sound Salmon Solutions	Basin Wide	\$15,990	\$37,238	<b>\$37,238</b>
Snoqualmie River Seattle Audubon Conservation Easement	King County	Mainstem Primary Restoration	\$25,000	\$25,000	<b>\$25,000</b>
Tuck Creek Barrier Replacement Planning & Design	Snoqualmie Valley Watershed Improvement District	Mainstem Primary Restoration	\$10,000	\$171,680	<b>\$80,000</b>
Snoqualmie River Seattle Audubon Riparian Restoration (Phase I)	Sound Salmon Solutions	Mainstem Primary Restoration	\$500	\$122,505	<b>\$112,172</b>
Coe Clemons Creek Riparian Restoration	Mountains to Sound Greenway Trust	Mainstem Primary Restoration	\$5,000	\$154,686	<b>\$72,186</b>
Tolt Steelhead Monitoring Project	Wild Fish Conservancy	Headwaters Secondary Restoration	\$30,000	\$22,000	<b>\$22,000</b>
Chinook Bend: Wetland Rehabilitation & Riparian Restoration	Sound Salmon Solutions	Mainstem Primary Restoration	\$1,000	\$135,624	<b>\$125,691</b>
Griffin Creek Natural Area Revegetation	King County	Headwaters Secondary Restoration	\$0	\$100,000	<b>\$100,000</b>
KC Fish Passage Barrier Supplementation (Phase I)	Wild Fish Conservancy	Basin Wide	\$72,700	\$129,041	<b>\$129,041</b>
South Fork Snoqualmie River Riparian Restoration	City of North Bend	Restoration Above Falls and Dam	\$90,000	\$220,725	<b>\$140,725</b>
Lower Miller River Floodplain Restoration Design	King County	Mainstem Primary Restoration	\$99,000	\$150,000	<b>\$150,000</b>
Wallace Acres Riparian Restoration	Stewardship Partners	Mainstem Primary Restoration	\$7,500	\$140,437	<b>\$100,416</b>
Ames Creek Riparian Enhancement	Snoqualmie Indian Tribe	Rural Streams Secondary Restoration	\$25,000	\$89,282	<b>\$79,994</b>
Swan Mill Farm Riparian Restoration	Stewardship Partners	Rural Streams Secondary Restoration	\$7,500	\$47,505	<b>\$27,206</b>
Beaver Herbivory Study: Cost effective approaches to riparian and off channel enhancement in the presence of beavers	King County	Mainstem Primary Restoration	\$0	\$220,802	<b>\$138,616</b>
Tanner Landing Riparian Restoration	Mountains to Sound Greenway Trust	Restoration Above Falls and Dam	\$8,000	\$77,522	<b>\$77,522</b>
North Fork Tolt River Assessment	Snoqualmie Indian Tribe	Headwaters Secondary Restoration	\$0	\$122,408	<b>\$60,000</b>
Snoqualmie & Upper Skykomish Alluvial Water Storage Assessment	Wild Fish Conservancy	Basin Wide	\$0	\$153,758	<b>\$135,758</b>
			<b>Total</b>	<b>\$516,679</b>	<b>\$2,654,986</b>
			<b>Funding available</b>	-	<b>\$2,113,032</b>
			Balance	-	<b>-\$541,954</b>
					<b>\$0</b>



## 2022 Snoqualmie Forum / CWM Final Grant Applications

Project Sponsor	Project Name	Leveraged Funds	Final App Request	Supplemental Request *	PRC Recommendation	Short Description
Forum/Cities	2023 Snoqualmie Project Assistance	\$26,709	\$135,000	\$135,000	<b>\$135,000</b>	The 2023 Snoqualmie Restoration and Project Assistance Program is an ongoing effort managed and delivered by the Snoqualmie Watershed Forum staff to maximize success in implementing the 2005 Snohomish River Basin Salmon Conservation Plan (Salmon Plan) in the King County portion of WRIA 7. The program will (1) assist project implementers in identifying, developing and advancing high priority habitat projects, water quality improvement and planning efforts, (2) conduct Forum-led project coordination activities, and (3) support regional watershed management through policy and technical coordination.
Tulalip Tribes	2023 Snoqualmie River Juvenile Screw Trap	\$40,000	\$60,000	\$60,000	<b>\$60,000</b>	The project seeks to continue the annual monitoring of juvenile salmon outmigration in the Snoqualmie River Basin utilizing a rotary screw trap located at river mile 12.2 on the Snoqualmie River in 2023. This project is a part of the overall Snohomish Basin juvenile salmon out migration monitoring effort which began in 2001 and which provides ongoing status, trends and abundance monitoring needed to support run forecasting, and is a quintessential indicator of successful salmon recovery monitoring in the Snohomish Basin.
Nature Vision	Youth Watershed Education, Stewardship, & Community Science	\$24,046	\$35,306	\$105,918	<b>\$70,612</b>	Up to 350 students from the Riverview and Snoqualmie Valley School Districts will participate in Nature Vision's educational programming, including restoration field trips and community science projects. 14 classes of 3rd-12th grade students will become "Blue Teams" by completing an education-based action project and participating in data collection aiming to improve salmon habitat and water quality. Due to their excellent track-record and final applicaiton, the Committee chose to provide Nature Vision with two-years of funding for this program (each year costs ~\$35,306).
Oxbow Farm & Conservation Center	Barfuse-Fall City West Floodplain Restoration Project	\$17,026	\$67,690	\$74,690	<b>\$74,690</b>	The proposed project will remove dense Himalayan blackberry and establish species-rich native riparian vegetation, installing 9000 plants on 4 acres of floodplain flanking the main stem of the Snoqualmie River. This work will further enhance the habitat benefits associated with King County's Fall City Floodplain Restoration large capital project, which has been ranked as one of the most important salmon recovery projects in the region.
Mountains to Sound Greenway Trust	Youth Engaged in Sustainable Systems: Riverview School District	\$6,000	\$64,288	\$109,165	<b>\$109,165</b>	The Mountains to Sound Greenway Trust's Education Program seeks two years funding to support the expansion of Youth Engaged in Sustainable Systems (YESS) into the Riverview School District. Through YESS (formerly EGOYH), high school students earn graduation credit and a stipend while gaining knowledge, skills and inspiration to pursue conservation careers.
Sound Salmon Solutions	Salmon in Schools	\$5,708	\$50,000	\$50,000	<b>\$50,000</b>	The Salmon in Schools program is a dynamic and hands-on education program that engages elementary through high school students in salmon education and recovery. The program brings 100 - 300 salmon directly to students, providing them with a unique opportunity to get hands-on experience with a species that has significant meaning to our ecosystem, history, and culture.
Sound Salmon Solutions	Youth Exploring Stream Science	\$15,990	\$37,238	\$37,238	<b>\$37,238</b>	Sound Salmon Solutions (SSS) was recently approached by the Snohomish County Juvenile Court (SCJC) staff with a request to provide meaningful experiences with watershed science for youth who are a part of their diversion programs. Youth who qualify for diversion programs have been charged with a crime and sentenced for detention, however due to low risk of re-offense, have been given the option to complete community-based service learning with SSS.

King County	Snoqualmie River Seattle Audubon Conservation Easement	\$25,000	\$25,000	\$25,000	<b>\$25,000</b>	King County will work with Seattle Audubon to permanently conserve 10.22 acres of Snoqualmie riverfront habitat with a conservation easement. The forested property just downstream of Carnation includes 1,330 feet of riverfront, over 10 acres of riparian vegetation, and a year-round pond.
Snoqualmie Valley Watershed Improvement District	Tuck Creek Barrier Replacement Planning & Design	\$10,000	\$67,400	\$171,680	<b>\$80,000</b>	There are several farm access road crossings on Lower Tuck Creek and tributaries (SVWID Basin 9) preliminarily assessed as barriers to fish passage, farm drainage, and flood safety. The proposed project will complete or update these assessments, collect additional elevation data through the reach and tributaries, conduct geotechnical analysis, and produce an engineering Basis of Design report including Preliminary Designs to evaluate alternatives for replacement of existing crossings.
Sound Salmon Solutions	Snoqualmie River Seattle Audubon Riparian Restoration (Phase I)	\$500	\$112,172	\$122,505	<b>\$112,172</b>	Sound Salmon Solutions (SSS) will control invasive vegetation and install native vegetation on 950 feet of the right bank of the upper-mainstem of the Snoqualmie River, and 595 feet of both banks of an unnamed tributary to the Snoqualmie. Our efforts will improve water quality and riparian habitat on 5.12 acres of critical salmon riverfront.
Mountains to Sound Greenway Trust	Coe Clemons Creek Riparian Restoration	\$5,000	\$67,186	\$154,686	<b>\$72,186</b>	The Mountains to Sound Greenway Trust and the City of Duvall will restore approximately two acres of riparian floodplain along Coe Clemons Creek, reducing the impact of reed canarygrass on creek flow through cultural control methods via the installation of thousands of native live stakes. Greenway staff will further assess an outdated beaver deceiver in the area.
Wild Fish Conservancy	Tolt Steelhead Monitoring Project	\$30,000	\$22,000	\$22,000	<b>\$22,000</b>	Wild Fish Conservancy (WFC) and partners will conduct three more years of annual adult summer steelhead snorkel surveys within the anadromous reaches of the Tolt forks to enumerate ESA-listed summer-run steelhead, estimate relative abundance, and monitor hatchery/wild ratios.
Sound Salmon Solutions	Chinook Bend: Wetland Rehabilitation & Riparian Restoration	\$1,000	\$125,691	\$135,624	<b>\$125,691</b>	Sound Salmon Solutions (SSS) will restore riparian habitat at Chinook Bend, a King County owned park on the Snoqualmie River in Carnation, WA. This restoration project will directly enhance conditions for ESA listed salmon species and will be in conjunction with a King County riparian planting study.
King County	Griffin Creek Natural Area Revegetation	\$0	\$100,000	\$100,000	<b>\$100,000</b>	The Griffin Creek Natural Area Revegetation will establish 2.7 acres of newly acquired KC parklands with a new riparian corridor along left bank (south side) of Griffin Creek. In addition to the new plantings, King County is proposing maintenance of 27 acres of the adjacent Griffin Creek Natural Area, which would focus on invasive plant management of holly, ivy, knotweed, and blackberry.
Wild Fish Conservancy	KC Fish Passage Barrier Supplementation (Phase I)	\$72,700	\$129,041	\$129,041	<b>\$129,041</b>	WFC will utilize Washington Department of Fish and Wildlife Fish Passage Inventory and Assessment protocol to evaluate fish passage at 130 fish passage structure sites and 42 natural barriers which have not been assessed in the previous five years and have been identified as data gaps within currently classified fish-bearing waters and/or within high priority sections of the selected sub-basins (Cherry Cr, Harris Cr., Ames Cr., Tuck Cr. & mid-mainstem Snoqualmie).

City of North Bend	South Fork Snoqualmie River Riparian Restoration	\$90,000	\$140,725	\$220,725	<b>\$140,725</b>	The City of North Bend will partner with the Mountains to Sound Greenway Trust and community volunteers to continue to restore the riparian corridor along the South Fork Snoqualmie River by initiating restoration at a new parcel just upstream (south) of West North Bend Way. The project will restore 12 acres of riparian habitat along approximately 2,000 feet of the left bank of the South Fork Snoqualmie River and will complement plans for a levee setback along this reach in the future.
King County	Lower Miller River Floodplain Restoration Design	\$99,000	\$100,000	\$150,000	<b>\$150,000</b>	The Lower Miller River Floodplain Restoration Design Project will conduct an Alternatives Analysis to identify a preferred restoration strategy and develop implementable preliminary plans for restoring the lowermost mile of the Miller River, its floodplain, and its confluence with the Skykomish River. The preliminary design will seek to maximize habitat value for ESA listed and other salmonids: Chinook, coho, pink and steelhead, throughout the roughly 165-acre floodplain and alluvial fan within the project area by removing artificial constraints on fluvial processes.
Stewardship Partners	Wallace Acres Riparian Restoration	\$7,500	\$79,827	\$140,437	<b>\$100,416</b>	Stewardship Partners (SP) will restore approximately 3,000 linear feet (6.2 acres) of riparian habitat along the north facing, left bank of the mainstem Snoqualmie River at Wallace Acres Farm near Duvall, WA. Partial funding support will also be provided towards 1.5 miles of livestock exclusion fencing.
Snoqualmie Indian Tribe	Ames Creek Riparian Enhancement	\$25,000	\$79,994	\$89,282	<b>\$79,994</b>	This project will leverage efforts from the King County Healthy Lands Program (HeLP) in order to enhance and expand approximately 1,000 linear feet of riparian buffer on private property, on the right bank of Ames Creek. Approximately 6,000 native plants will be installed and monitored to improve current degraded riparian conditions and narrow forested buffers in this reach, known to be consistently used by Coho salmon for spawning and upstream migration.
Stewardship Partners	Swan Mill Farm Riparian Restoration	\$7,500	\$27,206	\$47,505	<b>\$27,206</b>	The proposed project takes place on a small family farm 4 miles from Duvall, WA where riparian restoration will take place in the Snoqualmie River sub-basin along both banks of Harris Creek a main tributary to the mainstem Snoqualmie River. In the first stage of riparian habitat restoration and water quality improvement Stewardship Partners (SP) will restore approximately 700 linear feet (1 acre) of riparian habitat. Riparian habitat buffers average 73 feet.
King County	Beaver Herbivory Study: Cost effective approaches to riparian and off channel enhancement in the presence of beavers	\$0	\$79,490	\$220,802	<b>\$138,616</b>	This project leverages vital riparian enhancement actions occurring at Chinook Bend to test riparian planting strategies in the presence of beaver. Results from this study will identify cost-effective methods for maximizing native plant survival and canopy cover, essential components of riparian enhancement targeting juvenile salmonid rearing habitat. Additional funding was recommended to add an additional study site at Harris Creek to help improve our understanding of living with beavers in diverse contexts.
Mountains to Sound Greenway Trust	Tanner Landing Riparian Restoration	\$8,000	\$52,522	\$77,522	<b>\$77,522</b>	The Mountains to Sound Greenway Trust and King County are proposing continued restoration of the riparian buffer within Tanner Landing Park. The Greenway Trust will work with King County to restore more than 3.5 acres, emphasizing establishment of larger buffers as and where possible, and targeting the planting of at least 800 native coniferous trees along 1,000 feet on the south bank (left) of the Middle Fork Snoqualmie River.

Snoqualmie Indian Tribe	North Fork Tolt River Assessment	\$0	\$51,408	\$122,408	<b>\$60,000</b>	The Snoqualmie Tribe, with partners Wild Fish Conservancy, will assess approximately 5.5 miles of the North Fork Tolt River corridor and related tributaries to establish detailed baseline information, to identify opportunities for enhancement and restoration, and to create initial conceptual restoration designs for 2-4 projects. This work will occur on the Snoqualmie Tribe Ancestral Forest which comprises 12,000 acres of forestland along the North Fork Tolt River.
Wild Fish Conservancy	Snoqualmie & Upper Skykomish Alluvial Water Storage Assessment	\$0	\$135,758	\$153,758	<b>\$135,758</b>	This project will develop an estimate of the amount of restorable alluvial water storage in the headwaters of the Snoqualmie and upper South Fork Skykomish including: the South, Middle, and North Forks of the Snoqualmie River, Tokul Creek, the Tolt River, the Upper South Fork Skykomish, and the Miller, Beckler, Tye and Foss Rivers. 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. This work would expand upon the pilot work being conducted in the Raging River and the Middle Fork Snoqualmie River funded by CWM in 2020.

\* As additional funds were available, all sponsors were asked what they could achieve within their project's general scope if supplemental funding was provided.