King County Flood Control District

2020 Reallocation Summary

May 15, 2020

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Category A - New 2020 Construction

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Category E2 - Add to existing project scope

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	Category E4 - New / Initiate CIP Project Category E5 - New Project - Corps Emergency Assistance Plan				
Na	Title	Basin	2020 Reallocation Request	2020 Revised Budget	Reallocation Notes
	WLFLO SF SKYKMSH REP LOSS MIT	SF Skykomish	\$3,184,903		Acquisition from willing sellers who contacted King County. Residential structures are in mapped channel migration zone and floodway. Of this amount, \$1.9 million is for the Riverside Ranch acquisition request approved by the FCD 1/27/2020. The remaining \$1.284 million is for three additional willing sellers with pending requests. This does not include the interested landowner listed in Appendix A of the 2019-2020 Flood Season Report.
	WLFL0 TIMBER LN EROSN BUYOUTS	SF Skykomish Upper Snog	\$358,200 \$728		Acquisition from willing seller who contacted King County. 2020 budget was limited to appraisal costs to minimize potential for carryover; now seeking budget authority for willing seller. Project Closeout.
	WLFL1 428TH AVE SE BR FEASIBILITY				
	WLFL1 REINIG RD RVTMNT 2016 REPAIR WLFL1 RIBARY CREEK	Upper Snoq Upper Snoq	(\$3,943,514) (\$150,000)		No net change in total project cost. Construction shifted from 2020 to 2021 due to permitting issue. Work deferred to respond to February 2020 Major Presidential Flood Disaster.
31	WLFL1 UPR SNO RES FLD MITIGTN	Upper Snoq	(\$350,000)	\$2,570,872	Shift budget authority to Line 35, consolidate 8 home elevations managed by City of Snoqualmie in one budget line. Shift budget authority from Line 31, consolidate 8 home elevations managed by City of Snoqualmie in
35	WLFL2 CITY SNOQ HOME ELEVATIONS	Lower Snog	\$350,000	\$1,468,000	one budget line. Note that this budget line is mis-coded to the Lower Snoqualmie; this will be corrected in the 2021 budget materials.
	WLFL2 DUTCHMAN RD REVETMENT	Lower Snoq	\$57,230		2020 Flood Response - Initiate capital construction project to reduce risk to West Snoqualmie Valley Rd, a sole access road for homes and businesses downstream of Duvall.Bank eroded over a length of 200 feet in close proximity to West Snoqualmie River Road NE. Erosion threatens West Snoqualmie River Road NE which provides the sole access to residences and business on the west side of the Snoqualmie Valley downstream of Duvall. Continued erosion of the revetment could severely limit access to the downstream property owners during or following a flood event. Provide sufficient funding to conduct site evaluation and risk assessment for large damage site.
	WLFL2 JOY REVETMENT	Lower Snoq	\$100,000		2020 Flood Response - initiate new capital project to reduce risk to sole access road serving residential and commercial structures. Three separate damage locations were identified along this 860 LF-long King County owned and maintained river revetment. Each damage location is characterized as having significant slumping of the riverbank that has created near vertical bank conditions. The length of the damage locations range from 26 LF to 64 LF. Rock bank armoring and toe protection are notably absent at all five of these locations. Adjacent property is private road serving as sole access to residential and commercial structures. Agricultural land is not FPP. Provide sufficient funding to conduct site evaluation and risk assessment for large damage site.
48	WLFL2 SINNEMA QUAALE 2011 REPR	Lower Snoq	(\$60,968)	\$0	Project Closeout.
					2020 Flood Response - Initiate capital construction project to reduce risk to sole access roadway for two commercial structures. Bank eroded over a length of 80 feet, width of 10 feet and depth of 12 feet just upstream of 2018 repair; no rock is visible in this damaged section. Damage extends to log structure in 2018 repair. Adjacent land use in King County road serving as sole access to 2 commercial structures. Rapid erosion of embankment could result in changes of inundation patterns, potentially endangering residents. Agricultural land is not FPP. Provide sufficient funding to conduct
	WLFL2 STOSSEL REVETMENT	Lower Snoq	\$50,000		site evaluation and risk assessment for site with greater than 100 feet of damage. Additional expenditure authority to complete analysis following landowner engagement and delayed
	WLFL3 HOLBERG FEASIBILITY	Tolt	\$52,870		field work due to access issues. Additional expenditure authority for acquisition from willing seller based on 3/20/2020 appraisal. 2020 budget was limited to appraisal costs to minimize potential for carryover; now seeking budget
	WLFL3 LOWER TOLT RIVER ACQUISITION WLFL3 RIO VISTA PROPERTY ACQ	Tolt	\$825,000 \$650,000	\$850,000 \$700,000	authority for willing seller. Additional expenditure authority for acquisition from willing seller in floodway and channel migration zone. FCD work program approval 2/10/2020. 2020 budget was limited to appraisal costs to minimize potential for carryover; now seeking budget authority for willing seller.
	WLFL3 SAN SOUCI NBRHOOD BUYOUT	Tolt	\$216,321	\$581,000	Additional expenditure authority for acquisition from willing seller in floodway and channel migration zone. FCD work program approval 2/5/2020.
69	WLFL3 TOLT R LEVEE L.O.S. ANALYSIS	Tolt	\$64,489	\$412,309	Increase expenditure authority due to greater level of effort than originally budgeted to conduct the hydrologic and geomorphic analysis that will support future conditions modeling. Updating expenditure authority to cover planned demolition and targeted acquisition based on
7.	WILE O TOLT D MATURAL AREA ACO	T-14	\$000 00C	\$1,630,000	updated cost estimates as the property has been in a foreclosure process for the past 2 years. This does not include the interested landowner listed in Appendix A of the 2019-2020 Flood Season
	WLFL3 TOLT R NATURAL AREA ACQ WLFL3 TOLT R RD ELEVATION FEASIBILITY	Tolt Tolt	\$230,236 (\$190,000)		Work deferred to respond to February 2020 Major Presidential Flood Disaster.
82	WLFL5 BAYLESS 2020 REPAIR	Sammamish	\$50,000		2020 Flood Response - Risk Assessment. The Bayless Revetment protects a sole access bridge to a residential community (about 70 homes) in the City of Issaquah. Approximately 125 feet of bank erosion of the right bank revetment facility. The facility was flanked and/or overtopped during the flood resulting in flooding of the low lying Sycamore neighborhood in the City of Issaquah behind the revetment. Continued erosion at upstream end may result in damage to the bridge and ongoing flooding to the neighborhood. Provide sufficient funding to conduct site evaluation and risk assessment for medium damage site.
	WLFL5 IRWIN R 2020 REPAIR	Sammamish	\$25,000		2020 Flood Response - initiate repair for 2021-2022 construction. Irwin R revetment damage - 5 feet of scour at downstream end of revetment facility with rock missing near a private driveway bridge (sole access) and near a major arterial, Issaquah Hobart Rd. Further damage to the facility could cut off the sole access to one resident (via a private road and bridge over the creek). Provide sufficient funding to conduct site evaluation and risk assessment for small damage site.
85	WLFL5 JEROME 2020 REPAIR	Sammamish	\$50,000	\$50,000	2020 Flood Response - initiate repair for 2021-2022 construction. The Jerome Revetment protects three private residences in the City of Issaquah. Erosion of the revetment could result in loss of property and damage to private utilities. Loss of bank in front of middle property. 70 linear feet (LF) of erosion. Provide sufficient funding to conduct site evaluation and risk assessment for site medium damage site.
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No	Title	Basin	2020 Reallocation Request	2020 Revised Budget	Reallocation Notes
NO.	Title	Basili	Request	Budget	2020 Flood Respoonse - Risk Assessment. 30 feet of erosion and 25 feet of slumped bank at the upstream end of the revetment facility. Undercutting may have cut into SE 156 St (a sole access road) bed prism. There is also a landslide immediately downstream of the facility on the same left bank that may pose a risk of channel migration to residential properties on the Right Bank. Damage to the SE 156th St. road next flood season could cut off the sole access to a community of about 30 homes. More erosion at the downstream end of the facility may further destabilize the steep slope of the landslide and threaten downstream homeowners. Provide sufficient funding to conduct site
	WLFL5 MOMB 2020 REPAIR WLFL5 SAMMAMISH R BANK REPAIRS	Sammamish Sammamish	\$50,000 (\$4,723)		evaluation and risk assessment for medium damage site. Closeout
	WLFL5 SAIVIVIAWION R BAINN REPAIRS WLFL5 WILLOWMOOR FLDPLAIN REST	Sammamish	(\$100,000)		Work deferred to respond to February 2020 Major Presidential Flood Disaster.
	WLFL7 BELMONDO 2020 REPAIR	Cedar	\$50,000	\$50,000	2020 Flood Response - initiate repair for 2021-2022 construction. Erosion and scour have resulted in loss of toe and bank rock, oversteepened and undercut banks, and localized bank erosion (scallop). Damage is observed along approximately 50 feet of facility, near the upstream end.Critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Generally exposed bank - damage likely to occur next major high-flow event. Provide sufficient funding to conduct site evaluation and risk assessment for medium damage site.
	WLFL7 BRODELL 2020 REPAIR	Cedar	\$50,000		sufficient funding to conduct site evaluation and risk assessment for medium damage site. 2020 Flood Response - initiate repair for 2021-2022 construction. Oversteepened downstream from houses, and generally overall. Facility is a mixture of riprap, concrete pieces, and in places concrete slabs laid against the bank. Approximately 10-foot tension crack observed near furthest downstream home where a slab has slid down into the river. Additional minor damage upstream of facility. Downstream portion of facility observed to be oversteepened, with undercut banks (approximately 200 feet in length). Residential land use and critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Damage may occur next flood season/likelihood increasing. Provide sufficient funding to conduct site evaluation and risk assessment for medium damage site.
90	WLFL/ BRODELL 2020 REPAIR	Cedai	\$50,000	\$50,000	2020 Flood Response - construct buried revetment upstream of emergency repair completed in February 2020. Construction in 2020 as part of the Riverbend project. Potential mitigation costs are not included at this time and will be included in the 2021 budget following further discussions with
	WLFL7 CEDAR R TRAIL SITE 2 WLFL7 CEDAR RAPIDS ELJ6 2020 REPAIR	Cedar Cedar	\$878,000 \$50,000	\$1,178,000 \$50,000	2020 Flood Respoonse - Risk Assessment. Erosion and scour have resulted in loss of upper ballast, dislodging of key logs, shearing of piles, and damage to hardware connections, to an Engineered Log Jam (ELJ #6) constructed as part of a previous District project within the Cedar Rapids reach. Undeveloped land in floodplain; recreational risk. Potential human injury from sudden change in conditions. Structure severely damage and vulnerable - damage likely to occur next major highflow event. Provide sufficient funding to conduct site evaluation and risk assessment for medium
104	WLFL7 CEDAR RES FLOOD MITIGATION	Cedar	\$674,000	\$674,000	Acquisition at-risk home in floodway and channel migration zone from willing seller. Home flooded 2-3 feet above finished floor elevation, isolated by flooding and access cut off. FEMA repetitive loss parcel with history of flood damage insurance claims. This parcel is included in Appendix A of the 2019-2020 Flood Season Report.
	WLFL7 CEDAR RIVER TRAIL SITE A BANK	Cedar	(\$150,000)		Work deferred to respond to February 2020 Major Presidential Flood Disaster.
108	WLFL7 CEDAR RIVER TRAIL SITE 5 2020 REPAIR	Cedar	\$100,000	\$100,000	2020 Flood Respoonse - Risk Assessment. Erosion and scour have resulted in loss of toe and bank rock, oversteepened and undercut banks (some portions cantilevered). Scour has undermined numerous large trees, likely to fall into the channel likely resulting in further damage of the bank. Damaged sections are observed within an approximately 350 feet of facility, near the upstream end. Critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Damage may occur next flood season/likelihood increasing. Provide sufficient funding to conduct site evaluation and risk assessment for medium damage site.
	WLFL7 CEDAR RIVER TRAIL SITE 2 ZONE D 2020 REPAIR	Cedar	\$50,000	\$50,000	2020 Flood Response - initiate repair for 2021-2022 construction. This is the existing CRT2 revetment, immediately downstream of the emergency repair completed in February. This segment is referred to as Zone D.Erosion and scour have resulted in loss of toe rock and general oversteepening of bank, along approximately 100 feet of upstream end of facility. Critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Damage may occur next flood season/likelihood increasing. Provide sufficient funding to
111	WLFL7 DORRE DON AVULSION ANALYSIS	Cedar	\$50,000	\$50,000	2020 Flood Respoonse - Risk Assessment. The main channel has avulsed into the previous left floodplain, leading to erosion of the channel bank, adjacent to 231st PI SE. Residential land use and critical facilities (SE 184th St). Moderate impact extents (structures, roads). Potential human injury from sudden change in conditions. Generally exposed bank - damage likely to occur next major high-flow event.Provide sufficient funding to conduct site evaluation and risk assessment. Provide sufficient funding to conduct site evaluation and risk assessment for medium damage site.
112	WLFL7 FBD CORRIDOR IMPLEMENTATION	Cedar	\$525,012	\$0	The additional appropriation is requested to cover expenditures from a change in project accounting by KC Finance and not an actual increase in expenditures for the FCD. The accounting change concerns the transfer to Seattle of their portion of the Deptartment of Ecology grant, resulting in both higher expenditures and an equivalent amount of higher revenue than initially budgeted. There is no net impact to the FCD from this accounting adjustment.
					2020 Flood Response - expand scope of existing Herzman project to include repairs; construction shifts to 2022. New damage to Camp Freeman revetment in project area. Erosion and scour have resulted in loss of toe and bank rock, oversteepened and undercut banks, and localized bank erosion likely due to tree recruitment. Damage is observed along approximately 390 feet of facility. Critical facilities (SE Jones Rd). Regional impact extents. Potential human injury from sudden change in conditions. Generally exposed bank - damage likely to occur next major high-flow event. With this
113	WLFL7 HERZMAN LEVEE SETBACK	Cedar	\$600,578	\$857,000	additional scope construction of the Herzman project shifts from 2021 to 2022.

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		2020		
			2020 Revised	
No. Title	Basin	Request	Budget	Reallocation Notes
No. This	Dusin	rtequest	Buuget	Additional budget for outfall control structure required for project approvals, consistent with FCD 60%
118 WLFL7 MADSEN CR CULVERT 2017	Cedar	\$756,000	\$2 899 480	design approval April 15 2020. 2020 construction by Roads Services Division.
120 WLFL7 MAPLEWOOD FEASIBILITY STUDY	Cedar	(\$75,000)		Work deferred to respond to February 2020 Major Presidential Flood Disaster.
120 WEI ET WITT EEWOOD I ETOIDIEIT I OTOD I	Ocaai	(ψ/ 0,000)	ψ110,100	2020 Flood Response - New capital construction project to protect SR 169 and critical public
				infrastructure in Renton.Entire facility is oversteepened. Varying amounts of rock protection on toe
				and face combined with areas of exposed soil.Critical facilities (Utilities, CRT, SR 169). Regional
				impact extents. Potential human injury from sudden change in conditions. Generally exposed bank
				along 200 feet - damage likely to occur next major high-flow event. Provide sufficient funding to
122 WLFL7 TABOR-CROWALL REVETMENT	Cedar	\$100,000	\$100,000	conduct site evaluation and risk assessment for large damage site.
124 WLFL7 SR 169 FEASIBILITY STUDY	Cedar	(\$200,000)		Work deferred to respond to February 2020 Major Presidential Flood Disaster.
129 WLFL8 BRPS CONTROL BLDG RPLCMT	Green	(\$300.000)		Work deferred to respond to February 2020 Major Presidential Flood Disaster.
120 WEI EO BIN O CONTINGE BEBO NI EOMI	Green	(ψοσο,σσο)	ψ1,000,041	Additional budget authority to expedite design and permitting of fish passage improvements
				consistent with capital strategy. Initiate fish passage outreach and early action fish passage items
130 WLFL8 BRPS FISH PASS IMPRVMNTS	Green	\$350,000	\$350,000	such as the fish counter.
100 WEI EO BIG O'HOITT AGO IWII TOWNIGTO	Green	ψ000,000	ψ000,000	Conduct levee conditions analysis following observation of levee seepage and boils during the
				February 2020 flood. Analysis will be provided to the Corps of Engineers as they evaluate options to
				address the problems observed during the flood. Study authorized under emergency contingency
134 WLFL8 DESIMONE MAJOR REPAIR	Green	\$80.000	\$80,000	budget on 4/6/2020.
104 WEI EO BEOINIONE INNOCK KEI AIK	Green	φοσ,σσσ	ψου,οοο	2020 Flood Response - New repair to protect regional trail and recreational complex. Damage
				increases vulnerability of the heavily used regional Green River trail and regional soccer complex
				(Starfire) and Tukwila Park. Erosion increases vulnerability to trail and soccer fields. Pavement
				erosion along levee/revetment at fence and cracking of trails along a 78-foot segment. Cracking for
				approximately 28 feet, 5 feet wide and 10-12 deep. Second location had approximately 38 feet of
				erosion prior to flood event. Total eroded area is now approximately 127 feet in length, 16 feet wide
				and 11 feet deep. Provide sufficient funding to conduct site evaluation and risk assessment for
135 WLFL8 FORT DENT 2020 REPAIR	Green	\$50,000	\$50,000	medium damage site.
146 WLFL8 LOWER RUSSELL ACQ KENT	Green	\$100.012		Additional budget authority for the final remaining costs of FCD agreement with City of Kent.
THE TEST ES TEST TOO SEELE FIRST TREATMENT	0.00	ψ100,012	ų.	Additional Dauget data only to the man tenanting dead of the agreement man exploration
		1		No net change in total project cost. Phase 1 construction to be completed in summer 2020; Phase 2
148 WLFL8 LWR RUSSELL LEVEE SETBACK	Green	(\$14,468,661)	\$12,924,903	advertised in April. Shifting portion of 2020 construction expenditures from 2020 to 2021.
151 WLFL8 OLD JEFF'S FARM REVETMENT	Green	(\$500,000)		Work deferred to respond to February 2020 Major Presidential Flood Disaster.
169 WLFL9 BUTTE AVE FLOOD MITIGATION	White	(\$243,367)		Butte avenue pump station project added to Pacific Right Bank project line (Line 171)
		(4= .5,001)	, , , , , , , , , , , , , , , , , , ,	Additional expenditure authority for Butte avenue pump station scope (Line 169), remaining \$158k for
171 WLFL9 RIGHT BANK LEVEE SETBACK	White	\$401,397	\$1,703,911	updated cost forecast for DEIS technical studies.
		,	. , , ,	Approximately 1/2 of the increase corrects a budgeting error in the 2020 budget. Additional
		1		expenditure authority to shift baseline monitoring costs from individual projects to the central
		1		effectiveness monitoring project; individiual project forecasts will be updated accordingly in the 2021
184 WLFLM EFFECTIVENESS MONITORING	Countywide	\$981,708	\$1,188,300	
				Increase expenditure authority to \$1 million to create greater capacity to respond to flood
188 WLFLX FLOOD EMERGENCY CONTGNCY	Countywide	\$368,125	\$1,000,000	emergencies.
188 WLFLX FLOOD EMERGENCY CONTGNCY				