



Whatcom County

COUNTY COURTHOUSE
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Agenda Bill Master Report

File Number: AB2020-493

File ID:	AB2020-493	Version:	1	Status:	Approved
File Created:	10/28/2020	Entered by:	LCumming@co.whatcom.wa.us		
Department:	Public Works Department	File Type:	Resolution (FCZDBS) Requiring a Public Hearing		
Assigned to:	Council	Final Action:	11/24/2020		
Agenda Date:	11/24/2020	Enactment #:	RES 2020-050		

Primary Contact Email: sdraper@co.whatcom.wa.us

TITLE FOR AGENDA ITEM:

Resolution adopting the 2021 budget for the Whatcom County Flood Control Zone District and Subzones (Council acting as the Flood Control Zone District Board of Supervisors)

SUMMARY STATEMENT OR LEGAL NOTICE LANGUAGE:

Consistent with RCW 86.15.140, the FCZD must adopt an annual budget that includes the County-wide district and the subzones of the District. The attached resolution establishes the overall budget consistent with the appropriation items outlined in the law. The 2021 proposed budget and associated work program were presented to the Board of Supervisors at the October 20th, 2020 Water Work Session.

Public Works respectfully requests the Council ((acting as the Flood Control Zone District (FCZD) Board of Supervisors)) adopt the attached resolution to establish a budget for the County-wide District and the following Subzones:

- Acme/VanZandt Subzone
- Lynden/Everson Subzone
- Sumas/Nooksack/Everson Subzone
- Samish Watershed Subzone
- Birch Bay Watershed and Aquatic Resources Management District

HISTORY OF LEGISLATIVE FILE

Date:	Acting Body:	Action:	Sent To:
11/10/2020	Council	INTRODUCED FOR PUBLIC HEARING Aye: 6 Browne, Buchanan, Byrd, Donovan, Frazey, and Kershner Nay: 1 Elenbaas Absent: 0	Council
11/24/2020	Council	APPROVED Aye: 6 Browne, Buchanan, Byrd, Donovan, Frazey, and Kershner Nay: 1 Elenbaas Absent: 0	

Attachments: Memo, Resolution

PROPOSED BY: Public Works

INTRODUCTION DATE: 11/10/2020

RESOLUTION NO. 2020-050

(A Resolution of the Whatcom County Flood Control
Zone District Board of Supervisors)

**ADOPTING THE 2021 BUDGET FOR THE
WHATCOM COUNTY FLOOD CONTROL ZONE DISTRICT AND SUBZONES**

WHEREAS, RCW 86.15.140 requires that the Board of Supervisors of each flood control zone district and subzone adopt an annual budget for the zone; and

WHEREAS, the statute further requires that the zone or subzone budget be divided into four appropriation items: overhead and administration; maintenance and operation; construction and improvements; and bond retirement and interest; and

WHEREAS, under the appropriation item for construction and improvements, the Board is required to list each flood control improvement or storm water control improvement planned for the budget year and the estimated expenditure for each during the next year; and

WHEREAS, the budget may only be adopted after a public hearing for which proper notice has been given; and

WHEREAS, Fund No. 169 is managed by the County on behalf of the Whatcom County Flood Control Zone District for purposes of funding flood control, storm water management, and other water resources work by the County that are consistent with the powers of the District under RCW 86.15 and RCW 39.34.190; and

WHEREAS, funds obtained by the County through grants or cooperative agreements for flood control and other water resources work are also managed through Fund No. 169; and

WHEREAS, the 2021 budget proposed by the County Executive for the Whatcom County Flood Control Zone District includes proposed expenditures out of Fund 169 to pay for flood control, storm water management, and other water resources work consistent with the powers of the District under RCW 86.15 and RCW 39.34.190;

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors as follows:

Section I. Approval of the Budget

The Board hereby adopts the 2021 budget for the Flood Control Zone District Fund No. 169 in the amounts set forth in the document titled Whatcom County 2021 Budget and as modified and presented below and in Exhibit A:

OVERALL BUDGET SUMMARY


Budget Code	Program	RCW Appropriation Item	2021 Budget	
			Revenues	Expenditures
169100	Administration	Overhead & administration	\$5,043,000	\$777,107
169119	Natural Resources Administration	Overhead & administration	-	638,459
169120	ALS Administration	Overhead & administration	-	-
169121	Water Planning Administration	Overhead & administration	5,358	123,904
169100	Stormwater Administration (Transfer)	Overhead & administration	-	848,512
169102	Flood Response	Maintenance & operations	-	110,000
169104	Flood Planning	Maintenance & operations	258,000	885,000
169106	Technical Assistance	Maintenance & operations	-	75,000
169108	NFIP and CRS	Maintenance & operations	16,000	177,000
169110	Early Warning	Maintenance & operations	4,500	138,100
169119	Natural Resources Operations	Maintenance & operations	557,361	1,377,435
169120	ALS Operations	Maintenance & operations	-	152,217
169121	Water Planning Operations	Maintenance & operations	169,642	604,642
169100	Stormwater Lake Whatcom Operations (Transfer)	Maintenance & operations	-	401,000
169700	Stormwater NPDES Phase II	Maintenance & operations	-	160,320
169100	Stormwater Lake Whatcom Capital (Transfer)	Construction & improvements	-	210,000
169112	Repair and Maintenance	Construction & improvements	535,000	977,439
169114	Flood Hazard Reduction	Construction & improvements	2,632,540	4,517,535
Total 2021 FCZD Budget			\$9,221,401	\$12,173,669
			\$(2,952,268)	

Code	Program		Revenues	Expenditures
16923	Acme/VanZandt Subzone	Overhead & administration	-	\$1,500
16925	Birch Bay Subzone	Overhead & administration	871,100	378,934
16921	Lynden/Everson Subzone	Maintenance & operations	43,698	37,500
16922	Sumas/Nooksack/Everson Subzone	Maintenance & operations	130,586	11,000
16923	Acme/VanZandt Subzone	Maintenance & operations	25,638	6,501
16924	Samish Watershed Subzone	Maintenance & operations	21,600	19,950
16925	Birch Bay Subzone	Maintenance & operations	-	114,700
16921	Lynden/Everson Subzone	Construction & improvements	-	87,000
16922	Sumas/Nooksack/Everson Subzone	Construction & improvements	-	196,215
16923	Acme/VanZandt Subzone	Construction & improvements	-	30,000
16925	Birch Bay Subzone	Construction & improvements	296,250	623,000
Total of 2021 FCZD Sub-Zone Budgets			\$1,388,872	\$1,506,300
			\$(117,427)	

Section II. Provisions Restricting Expenditures, Authorizing Actions, and Setting Expectations.

For purposes of purchasing and award, projects listed in the attached exhibit (B) FCZD Construction and Improvements Work Plan shall be administered pursuant to WCC Chapter 3.08.100 A.(2) and A.(3) using the process prescribed for capital budget appropriations. Contracts for goods and services on individual items or projects listed in Exhibit (B) may be exceeded by up to 10%, provided expenditures in total do not exceed the total appropriation for the FCZD construction and improvement Work Plan.

APPROVED this 24th day of November, 2020.

ATTEST

Dana Brown-Davis, Clerk of the Council

WHATCOM COUNTY
FLOOD CONTROL ZONE DISTRICT BOARD
OF SUPERVISORS
WHATCOM COUNTY, WASHINGTON


Barry Buchanan, Chair of the Council

APPROVED AS TO FORM:

Christopher Quinn (Electronically authorized 10.27.2020)
Senior Civil Deputy Prosecuting Attorney

Flood Control Zone District
2021 Budget
Work Plan and Supporting Documentation

DETAIL FOR FCZD PROGRAM AREAS

FLOOD MAINTENANCE AND OPERATIONS			
Flood Response (169102)	Proposed 2021 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 10,000	
Sand and sandbags		\$ 35,000	Includes pre-deployed and sand bags for training
Preparedness training		\$ 5,000	Road and M&O employees and equipment
Sector observers during response		\$ 40,000	Road employees wages and benefits for 1 significant flood event
Construction contracts		\$ 20,000	During and immediately following response
TOTAL	\$ -	\$ 110,000	Budget based on 2009 flood with cost & wage increases
NET IMPACT TO FUND BALANCE	\$ (110,000)		2020 YE projection assumes no fall flood
Flood Planning (169104)			
	Proposed 2021 Budget		Assumptions/Notes
	Revenues	Expenditures	
Lower Nooksack			
Wage and Benefits		\$ 160,000	
CFHMP refinement/update			
Facilitation		\$ 50,000	2020 BA inc 30k for contract balance + 20k amendment, increasing for reach work into 2021
Hydraulic modeling/alternatives analyses		\$ 50,000	2020 BA includes CA's for Land and WSE; 2021 BA for FEQ no-rise
FLIP process support/Engineering design/Plan	\$ 200,000	\$ 300,000	\$325k CA into 2020; Revenues from NEP; 2021 BA inc 200k for contract balance + 200k for amendment for more reach planning
Structure surveys in overflow corridors	\$ -	\$ -	work done under Herrera contract (previous row)
Sediment management		\$ 200,000	likely to get under contract in 2021 instead of 2020
Reach 1 Sediment	\$ -	\$ 50,000	2020 PO for \$85.7 balance + amendment for updated survey; 2021 BA for follow-up work with reach team; revenues from NEP
FLIP support for ag (AWB, farmer stipends)	\$ 58,000	\$ 60,000	Pass through funding for ag consultant and farmers stipends - revenues from FbD
High water mark survey		\$ 25,000	
TOTAL	\$ 258,000	\$ 885,000	
NET IMPACT TO FUND BALANCE	\$ (627,000)		
Technical Assistance (169106)			
	Proposed 2021 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 75,000	
Postage for Special District reassessments		\$ -	CDID#5 to be updated in 2020 with improved parcel coverage
TOTAL	\$ -	\$ 75,000	
NET IMPACT TO FUND BALANCE	\$ (75,000)		
National Flood Insurance Prgm (169108)			
	Proposed 2021 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 150,000	
FEMA Floodplain mapping	\$ -	\$ 12,000	Assumes LNR mapping in 2021 - expenditures for public meeting notice
Permit reviews	\$ 16,000	\$ -	Flood permit fees
Public education/CRS activities	\$ -	\$ 15,000	CRS mailings
TOTAL	\$ 16,000	\$ 177,000	
NET IMPACT TO FUND BALANCE	\$ (161,000)		
Early Warning System (169110)			
	Proposed 2021 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 5,000	
Nooksack River gages - USGS	\$ -	\$ 106,100	2020 PO for 103k
Everson MainSt stage gage _ USGS	\$ 4,500	\$ -	Canadians reimburse cost to maintain gage; AVZ pays for Jones gage directly
Emergency access to SNOTEL	\$ -	\$ 5,000	
Equipment for gage upgrades/repairs	\$ -	\$ 12,000	Equip at NF gage may need replacing
Repairs and maintenance	\$ -	\$ 10,000	
TOTAL	\$ 4,500	\$ 138,100	
NET IMPACT TO FUND BALANCE	\$ (133,600)		

Flood Control Zone District
2021 Budget
Work Plan and Supporting Documentation

FLOOD CONSTRUCTION AND IMPROVEMENTS			
Repair and Maintenance (169112)	Proposed 2021 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 120,000	
Misc			
Construction Projects			
Emergency/new projects as needed	\$ 50,000	\$ 50,000	Assumed costs for responding to flood/new repairs (assumes no fall 2020 flood)
Miscellaneous repair projects	\$ -	\$ 50,000	Placeholder for small projects; fall 2019 flood assumed
Marine Drive Levee Repair 2020 damage (720004)	\$ 225,000	\$ 300,000	Survey in 2020, construction in 2021
Truck Road 2018 Emergency Bank Protection (718001)	\$ -	\$ -	50/50 cost-share with Roads; 2020 BA for mitigation payment to habitat project but will be rolled into new project from 2020 flood
Truck Road 2020 Damage (720008)	\$ 140,000	\$ 150,000	Alt analysis in 2020, design in 2021 - 75% FEMA and 50/50 cost-share with Roads on remainder
Everson Overflow Pipeline Bank Stabilization (72000x)	\$ 120,000	\$ 150,000	
Red River Levee Stabilization (SWIF - 719002)	\$ -		200k CA from 2019 for I.L.A, 30k new BA in case bids are high; revenues of 15% from Lummi and Roads
Hannegan Levee Rehabilitation (USACE - 718006)	\$ -	\$ -	2020 costs are planting; revenues from LE Subzone (30% of FCZD cost-share to USACE)
Abbott Levee Erosion Protection (718010) (project moved to 114 in combo with improvement project)	\$ -	\$ -	Combined w/ improvement project & moved to 169114 to cover both
Sande-Williams Levee Rehab (USACE/DD2-719004)	\$ -	\$ -	2020 revenues from DD#2 for 80/20 split on USACE cost-share
Twin View Levee Rehabilitation (USACE - 719003)	\$ -	\$ -	2020 costs are planting; revenues from SNE Subzone (30% of FCZD cost-share to USACE)
Mitigation Planning/Implementation			
Jail crew	\$ -	\$ 117,439	Jail crew labor for FCZD and SWIF projects; available to diking or subzones
Reveg planning/coordination	\$ -	\$ 30,000	2020 exp for contract balance; new 2-year contract in 2021
Reveg/misc supplies	\$ -	\$ 10,000	Increased to cover plant replacement costs for Deming and other past projects as needed
TOTAL	\$ 535,000	\$ 977,439	
NET IMPACT TO FUND BALANCE	\$ (442,439)		
Flood Hazard Reduction (169114)			
		Proposed 2021 Budget	
		Revenues	Expenditures
Wage and Benefits		\$ 375,000	
Misc	\$ -		CA'd twice to 169114 and 716002
Swift Creek			
Bank stabilization/channel excavation	\$ -	\$ 107,835	300k commitment per year; 150k Roads; remainder cost-shared 70/30 b/w FCZD and SNE Subzone Subject to CPI-W Increases
Lower Nooksack River			
Marietta property acquisition & demo (FEMA FMAG-716002)	\$ -	\$ -	2019 CA into 2020 of \$8761 for Iverson; assumes demo and 4th property acquisition/demo in 2020
Marietta property acquisition & demo New properties	\$ -	\$ 50,000	Teeters cultural, asbestos, demo; Phase 2 ESA for Turk properties
Leases for agriculture	\$ 3,780	\$ -	River Rd and Emmerson Rd properties
Floodplain acquisition	\$ 831,760	\$ 1,039,700	Walton property in 2020; revenues from FbD grant; 2021 BA is rest of grant task budget less 1M
Ferndale Levee Improvement Project (719008)	\$ -	\$ -	Alt analysis, 30% design under 2020 contract, 60% design under 2022 amendment; revenues from FbD grant
Lynden Levee Improvement Project (in conjunction with USACE rehab project) (718005)	\$ 524,000	\$ 655,000	Design support in 2020; channel construction and USACE cost-share in 2021
USACE Lynden Levee Rehab and Culvert Replacement	\$ -	\$ 220,000	20% cost-share based on USACE estimate
Abbott Levee Improvement (SWIF) (718010)	\$ 325,000	\$ 650,000	Assumes Roads pays 50%; interim repair in 2021; improve in 2023
Duffner Ditch Flood Gate Replacement Early Action (720007)	\$ -	\$ -	EQIP funding and 100k FbD grant early action funds
Cougar Creek Early Action Project Design (72000x)	\$ 90,000	\$ 90,000	NOAA funding through TNC
Dahlberg Wetland Mitigation Site (719006)			
Wetland plan development		\$ 100,000	2020 Property survey & help from Roads wetland staff; 2021 BA for consultant to develop site plan
Jones Creek Deflection Berm (712004)			
Berm and bridge design	\$ 54,000	\$ 180,000	2019 PSE contract will CA into 2020; Permitting assistance from Roads (30k/yr) design cost-shared 70/30 with Roads
Land/easement acquisition	\$ 520,000	\$ 650,000	Kosmic payments against 2019 BA; Swift properties in 2020; Derus in 2021
Construction	\$ -	\$ -	Construction likely in 2022
High Creek Sediment Management			
Sediment trap maintenance (72000x)	\$ -	\$ 45,000	FEMA revenues (75%) in 2020
Glacier-Gallup Creek Alluvial Fan Restoration (718007)			
Feasibility study/concept design	\$ 48,000	\$ 60,000	Risk assessment and alternatives analysis by BGC; 39k was CA
Outreach	\$ 36,000	\$ 45,000	2019 CA for NHC
Preliminary design	\$ 200,000	\$ 250,000	
TOTAL	\$ 2,632,540	\$ 4,517,535	
NET IMPACT TO FUND BALANCE	\$ (1,884,995)		

Flood Control Zone District
 2021 Natural Resources Budget
 Work Plan and Supporting Documentation

Natural Resources (169119)	Proposed 2021 Budget		Assumptions/Notes	ASRs
	Revenues	Expenditures		
NATURAL RESOURCES ADMINISTRATION				
Staff		\$ 304,661	Includes salary for 2.5 FTEs and overtime.	
Office and operating		\$ 308,798		
TOTAL	\$ -	\$ 613,459		
NET IMPACT TO FUND BALANCE	\$ (613,459)			
NATURAL RESOURCES OPERATIONS				
Salmon Recovery				
Staff		\$ 129,176	1 FTE	
Restoration effectiveness monitoring, adaptive management, and stewardship		\$ 61,408	WCC crew restoration activities	
Maintaining existing restoration projects*		\$ 92,112	WCC crew contract for maintaining previously	
New restoration projects*		\$ 30,000	Contracted services for activities supporting planting, fencing, culvert replacement, etc.	
Marine Resources Committee				
Staff	\$ 93,000	\$ 105,100	0.95 FTE + \$3,300 for interns	
MRC restoration projects		\$ 4,000	MRC projects	
Water Quality/Pollution Identification & Correction				
Program Coordination	\$ 3,365	\$ 139,291	Program Coordinator (1 FTE) + Training	
Water Quality Monitoring		\$ 243,735	Sampling personnel, lab contract, one vehicle, equipment (1 FTE + extra help)	
Data Management	\$ 90,240	\$ 90,240	WCD Data Manager	
Technical Assistance	\$ 114,240	\$ 114,240	WCD Farm Planners	
Community Outreach	\$ 134,100	\$ 160,631	Outreach staff, WCD staff, supplies	
Incentives	\$ 35,000	\$ 59,000	OSS and small farm cost share	
Compliance	\$ 87,416	\$ 87,416	PDS Staff	
Coordination and Planning				
Lake Whatcom Homeowner Incentive Program		\$ 61,086	Staff time only (0.5 FTE); contracted services under Stormwater budget	
CosMos			CosMos Project \$125 with funding (RD 40%, BB 10%, GF 30%)	\$ -
WSU Extension outreach services			WSU Extension ASR	\$ 25,000
TOTAL	\$ 557,361	\$ 1,377,435		
NET IMPACT TO FUND BALANCE	\$ (820,074)			
TOTAL FOR COST CENTER	\$ 557,361	\$ 1,990,893		
		\$ 1,433,532		
*Integrated Salmon Recovery/Flood Hazard Reduction capital and planning projects appear under Cost Center 169114 and 169104.				
Aquatic Invasive Species (169120)				
Proposed 2021 Budget				
	Revenues	Expenditures	Assumptions/Notes	
AIS ADMINISTRATION				
Staff	\$ -	\$ -		
Office and operating		\$ -	Misc. Expenses	
TOTAL	\$ -	\$ -		
NET IMPACT TO FUND BALANCE	\$ -			
AIS OPERATIONS				
Coordination and Planning				
Education and Inspection		\$ 143,467	Contribution to City for AIS Program; includes	
Interlocal Agreement (COB)	\$ -	\$ 8,750	Contracted services for online course/website support	
AIS online education program website maintenance	\$ -	\$ -		
TOTAL	\$ -	\$ 152,217		
NET IMPACT TO FUND BALANCE	\$ (152,217)			
TOTAL FOR COST CENTER	\$ -	\$ 152,217		
		\$ 152,217		
Water Planning (169121)				
Proposed 2021 Budget				
	Revenues	Expenditures	Assumptions/Notes	
WATER PLANNING ADMINISTRATION				
Staff	\$ 5,358	\$ 123,354	Watershed Planner + LIO Labor	
Office and operating		\$ 550		
TOTAL	\$ 5,358	\$ 123,904		
NET IMPACT TO FUND BALANCE	\$ (118,546)			

Flood Control Zone District
 2021 Natural Resources Budget
 Work Plan and Supporting Documentation

WATER PLANNING OPERATIONS				ASRs
Coordination and Planning				
Hirst Response/Watershed Planning	\$ 50,000	\$ 50,000	Drainage-Based Management	
Watershed Planning Administrative Support		\$ 25,000	Watershed Planning Administrative Support	
LENS Groundwater Model		\$ 50,000	Peer Review and Modification of Groundwater	
LIO administration	\$ 119,642	\$ 119,642	Administration of LIO process	
Stream Gauging		\$ 110,000	USGS Stream Monitoring/AESI GW Monitoring	
Water Settlement Initiative			Water Settlement Initiative	\$ 250,000
TOTAL	\$ 169,642	\$ 354,642		
NET IMPACT TO FUND BALANCE	\$ (185,000)			
TOTAL FOR COST CENTER	\$ 175,000	\$ 478,546		
		\$ 303,546		
				\$ 275,000
	\$ 2,621,656			
	\$ 732,361			
	\$ (1,889,295)			
		\$ 1,889,295	Total Expenditure	
		\$ 2,164,295	Total with ASRs	
		\$ (209,732)	8% lapse on expenses	
		\$ 1,738,151		

**Lynden/Everson Subzone
2021 Budget
and Fund Balance Projections**

	(+)	(-)	Notes
Fund balance as of December 31, 2019	\$196,324		
2020 Estimated Revenues:			
Assessment	\$41,298		
Interest earnings/penalties	\$2,400		
2020 Estimated Expenditures:			
Levee vegetation maintenance		\$17,800	brushing, spraying and hydroseed
Mole control/misc		\$2,500	ACOE deficiency
Alternative corrections crew labor		\$12,000	misc levee and mitigation
Address new ACOE deficiencies		\$0	retaining walls/new problems placeholder
Hannegan Levee Rehabilitation (USACE)		\$29,500	30% of FCZD costs
Plant materials/maintenance supplies		\$3,000	For mitigation
Kamm Creek Levee repair		\$12,000	
Coordination		\$4,000	staff time
Total	\$43,698	\$80,800	
Projected December 2020 fund balance	\$159,222		
2021 Revenues - Proposed Budget			
Assessment	\$41,298		
Interest earnings	\$2,400		
2021 Expenditures - Proposed Budget			
Levee vegetation maintenance		\$25,000	brushing, spraying and hydroseed
Mole control/misc		\$2,500	ACOE deficiency
Alternative corrections crew labor		\$10,000	misc levee and mitigation maintenance
Address new ACOE deficiencies		\$0	retaining walls/new problems placeholder
Lynden Levee Improvement		\$25,000	local contribution
Abbott erosion protection (interim measure)		\$25,000	local contribution
Cost-share/repairs as needed		\$30,000	New damage
Coordination		\$7,000	staff time
Total	\$43,698	\$124,500	
Projected December 2021 fund balance	\$78,420		

**Sumas/Nooksack/Everson Subzone
2021 Budget
and Fund Balance Projections**

	(+)	(-)	Notes
Fund balance as of December 31, 2019	\$1,334,618		
2020 Estimated Revenues:			
Assessment	\$116,586		
Interest earnings	\$14,000		
2020 Estimated Expenditures:			
Levee vegetation maintenance			
Fuel		\$5,000	brushing and spraying
Mitigation monitoring and maintenance		\$3,800	Fuel for pumps
Alternative corrections crew labor		\$1,000	supplies
Transfer to Swift Creek project fund		\$3,000	misc maintenance
		\$45,000	150k Road fund, 105K FCZD
			fund also transferred for
		\$300k/yr	
Twin View Levee Rehabilitation		\$25,614	3)% of FCZD costs
Coordination		\$1,000	staff costs
Pump station electric charges		\$1,000	
Total	\$130,586	\$85,414	
Projected December 2020 fund balance	\$1,379,790		
2021 Revenues - Proposed Budget			
Assessment	\$116,586		
Interest earnings	\$14,000		
2021 Expenditures - Proposed Budget			
Levee vegetation maintenance		\$5,000	brushing, spraying and hydroseed
Pump station electric charges		\$2,000	
Mitigation monitoring and maintenance		\$3,000	supplies and crew
Coordination		\$1,000	staff costs
Transfer to Swift Creek project fund		\$46,215	150k Road fund, 105K FCZD
			fund also transferred for
		\$300k/yr	subject to CPI-W
Cost-share/repairs as needed (new damage)		\$150,000	30% of \$500,000 project
Total	\$130,586	\$207,215	
Projected December 2021 fund balance	\$1,303,161		

**Acme/Van Zandt Subzone
2021 Budget
and Fund Balance Projections**

	Fund balance as of December 31, 2019	(+)	(-)	Notes
2020 Estimated Revenues:				
Assessment		\$22,638		
Interest earnings		\$3,000		
2020 Estimated Expenditures:				
Cost-share/repairs as needed			\$0	
M&O for Jones Creek stage/prec gage			\$6,469	9 month operation with telemetry
Admin support for meetings/minutes			\$750	
Total		\$25,638	\$7,219	
Projected December 2020 fund balance	\$334,746			
Projected December 2020 fund balance	\$353,165			
2021 Revenues - Proposed Budget				
Assessment		\$22,638		
Interest earnings		\$3,000		
2021 Expenditures - Proposed Budget				
Cost-share/repairs as needed			\$30,000	30% of 100k project
M&O for Jones Creek stage/prec gage (9 month operation)			\$6,501	9 month operation with telemetry
Admin support for meetings/minutes			\$1,500	
Total		\$25,638	\$38,001	
Projected December 2021 fund balance	\$340,802			

**Samish Watershed Subzone
2021 Proposed Budget
and Fund Balance Projections**

Fund balance as of December 31, 2019	\$126,627	(+)	(-)	Subtotal	Notes
2020 Estimated Revenues:				\$21,680	
Assessment		\$20,568			2X June actual
Interest earnings		\$1,112			2X June actual
2020 Estimated Expenditures:				\$16,172	
Natural resource staff salaries, wages, benefits			\$6,347		YTD x 2.25 to account for more hours in fall
Office & operating supplies			\$50		
Repair & maintain weir & channel - contract services			\$3,800		8 months of the 12 month LOA
Repairs & Maintenance - interfund			\$5,975		Interfund to date + estimated fall 2019 interfund
Permits			\$0		Permits current thru spring 2024
Total		\$21,680	\$16,172		
Projected Fund Balance December 31, 2020	\$132,135				
2021 Revenues - Proposed Budget				\$21,600	
Assessment		\$20,500			Assumes 2021 similar to 2020
Interest earnings		\$1,100			Assumes 2021 similar to 2020
2021 Expenditures - Proposed Budget				\$19,950	
Natural resource staff salaries, wages, benefits			\$6,750		Assumes 2021 will be "normal" year similar to 2020
Office & operating supplies			\$1,250		Weir timber replacement, etc.
Repair & maintain weir & channel - contract services			\$5,700		LOA amount; assumes rates don't change
Repairs & Maintenance - interfund			\$6,250		Assumes M&O rental rates don't inflate appreciably
Permits			\$0		Permits current thru spring 2024
Total		\$21,600	\$19,950		
Projected December 2020 fund balance	\$133,785				

Birch Bay Subzone
2021 Budget

	Administrational/ Personnel 2021	Program Development & Management 2021	Capital Improvement Projects 2021	Maintenance, Small Works, & Scoping 2021	Water Quality Monitoring 2021	Education & Outreach 2021	Habitat Improvement 2021	Total 2021	Overhead/ Admin A	M&O O	Construction C	2021 Break Out
Revenue												
FEMA - Fed			(82,500)					(82,500)				(82,500)
FEMA - State			(13,750)					(13,750)				(13,750)
Assessment Penalties	(2,500)							(2,500)				-
Interest	(23,000)							(23,000)				-
Assessments	(780,000)							(780,000)				-
Stormwater transfer in	(65,600)							(65,600)				-
REET II transfer in			(200,000)					(200,000)				-
Revenue Total	(871,100)		(296,250)					(1,167,350)	(871,100)			(296,250)
Expense												
Salaries & Wages	138,912							138,912				
Extra Help	29,000							29,000				
Overtime	2,000							2,000				
Benefits	107,066							107,066				
Total Salaries & Benefits	276,978							276,978	276,978			
Unrealized Gain (Loss)												
Office & Operating Supplies	1,000					4,800	15,000	20,800	5,800		15,000	
Office & Oper. Supplies-Interfunc	200					3,000		200	200			
Printing	200							3,000	200	3,000		
Books/Publications/Subscrip					100			200	200			
Tools & Equipment								100	100	100		
Software	1,500							1,500	1,500			
Other Services and Charges (Emergency)	50,000							50,000	50,000			
Contractual Services				5,000				17,500	17,500	17,500		
Professional Services	18,000	10,000	130,600	14,000	12,500	1,500		173,500	29,500	144,000		
Building Maintenance	1,306							1,306	1,306			
Construction Contracs												
Other Services-Interfund			145,000	12,000				157,000			157,000	
Postage/Shipping/Freigh	500					3,000		3,500	3,500			
Postage-Interfund	100							100				
Telephone	965							965	965			
Travel-Educ/Training	1,000							1,000	1,000			
Travel-Other	1,500							1,500	1,500			
Advertising						800		800	800			
Equipment Rental	200							200	200			
Space Rental			1,000			250		1,250	1,250			
Space Rental-Interfund	1,500							1,500	1,500			
Insurance Premium - Interfunc	760							760	760			
Repairs & Maintenance				10,500				10,500	10,500			
Repairs & Maintenance - Interfunc				29,000				29,000	29,000			
Registration/Tuition	2,100							2,100	2,100			
Meeting Refreshments		300						500	500			
Administrative Cost Allocation	11,348					200		11,348	11,348			
Other Miscellaneous												
Other Miscellaneous-Interfunc			5,000	2,000				7,000			7,000	
Intergov. Professional Services						20,000		20,000	20,000			
Capital Outlays - Other Improvement			50,000					50,000			50,000	
Operating Transfer Out			250,000					250,000			250,000	
Operating Transfer Out - Gen Fc												
Operating Transfer Out - Floor	22,527							22,527	22,527			
Operating Transfer Out - Strm BBWARM												
Total Expenditures	391,684	11,300	560,000	72,500	12,600	33,550	15,000	1,116,634	378,934	114,700	623,000	1,116,634
								(50,716)	(492,166)	114,700	328,750	1,116,634

Birch Bay Subzone
2021
Capital Budget

Capital Improvement Projects

Object Code	Project/Program	2021 Budget Additions	WRIP - Capital List Includes Continued Appropriations
Harborview Road/Birch Bay Drive Stormwater Improvements, Ph 2			910,000
6630	PROFESSIONAL SERVICES	20,000	
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS		
6699	OTHER SERVICES INTERFUND	40,000	
7199	OTHER MISC INTERFUND		
Semiahmoo Drive Stormwater Improvements			135,000
6630	PROFESSIONAL SERVICES	10,000	
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	50,000	
6699	OTHER SERVICES INTERFUND	70,000	
7199	OTHER MISC INTERFUND	5,000	
Holeman Avenue Stormwater Improvements			25,000
6630	PROFESSIONAL SERVICES	25,000	
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS		
6699	OTHER SERVICES INTERFUND		
7199	OTHER MISC INTERFUND		
Birch Bay Drive & Pedestrian Facility			250,000
6630	PROFESSIONAL SERVICES		
8351	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	250,000	
6699	OTHER SERVICES INTERFUND		
7199	OTHER MISC INTERFUND		
Charel Terrace Bank Stabilization Study			110,000
6630	PROFESSIONAL SERVICES	75,000	
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS		
6699	OTHER SERVICES INTERFUND	35,000	
7199	OTHER MISC INTERFUND		
Total Expenditures		580,000	1,430,000
Object Code Totals			
6630	PROFESSIONAL SERVICES	130,000	
6699	OTHER SERVICES INTERFUND	145,000	
7199	OTHER MISC INTERFUND	5,000	
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	50,000	
8351	TRANSFER OUT	250,000	
Total Expenditures		580,000	

Whatcom County Flood Control Zone District
Flood Capital Program
2021

Database					
Department	Fund	ID No.	Project Title	Year	Cost
Flood Capital Program					
Public Works	Flood Fund	07-002	Marietta Acquisition	2021	\$ 75,000
Public Works	Flood Fund	20-001	Marine Drive Levee Damage Repair	2021	\$ 335,000
Public Works	Flood Fund	16-007	Abbott Levee Protection and Improvement	2021	\$ 690,000
Public Works	Flood Fund	16-003	Lynden Levee Improvement	2021	\$ 945,000
Public Works	Flood Fund	07-105	Jones Creek Debris Flow Protection	2021	\$ 910,000
Public Works	Flood Fund	16-008	Cougar Creek Early Action Project	2021	\$ 110,000
Public Works	Flood Fund	20-002	Everson Overflow Pipeline Bank Stabilization	2021	\$ 160,000
Public Works	Flood Fund	20-003	Truck Road 2020 Flood Damage	2021	\$ 160,000
Public Works	Flood Fund	07-104	Ferndale Levee Improvement	2021	\$ 50,000
Public Works	Flood Fund	18-006	Glacier-Gallup Alluvial Fan Restoration	2021	\$ 405,000
Public Works	Flood Fund	20-004	Dahlberg Wetland Mitigation Site	2021	\$ 130,000
Public Works	Flood Fund	07-002	Floodplain Acquisition	2021	\$ 1,040,000
Total					<u>\$ 5,010,000</u>
Public Works	BBWARM	07-217	Harborview Road Drainage Improvements P1	2021	\$ 910,000
Public Works	BBWARM	18-009	Semiahmoo Drive Drainage Improvements	2021	\$ 135,000
Public Works	BBWARM	20-011	Charel Terrace Stormwater Outfall Improvements	2021	\$ 110,000
Public Works	BBWARM	07-242	Holeman Avenue Stormwater Improvements PW-1	2021	\$ 25,000
Public Works	BBWARM	07-030	Birch Bay Drive & Pedestrian Facility Project	2021	\$ 250,000
Total					<u>\$ 1,430,000</u>