

**WHATCOM COUNTY
PUBLIC WORKS DEPARTMENT**

**Jon Hutchings
DIRECTOR**



Administration

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TO: The Honorable Whatcom County Flood Control Zone District Board of Supervisors

THROUGH: Jon Hutchings, Public Works Director

A handwritten signature in black ink, appearing to be "G.S.", is placed over the name of Gary S. Stoyka in the "THROUGH" line.

FROM: Gary S. Stoyka, Natural Resource Program Manager
Paula J. Harris, River and Flood Division Manager

DATE: **October 18th, 2021**

RE: 2022 Flood Control Zone District Budget

Enclosed is a resolution establishing the 2022 budget for the Whatcom County Flood Control Zone District (FCZD) for your review and adoption. Supporting documentation detailing the programs and projects included in the budget are also attached.

Requested Action:

Public Works respectfully requests that the FCZD Board of Supervisors adopt the attached resolution to establish a 2022 budget for the County-wide District and the following subzones:

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

Background and Purpose:

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.

PROPOSED BY: Public Works

INTRODUCTION DATE: 11/09/2021

RESOLUTION NO. _____

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

**ADOPTING THE 2022 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 2022 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 2022 budget for the Flood Control Zone District Fund No. 169 in the amounts presented below and further described Exhibit A of this resolution:

OVERALL BUDGET SUMMARY

Budget Code	Program	RCW Appropriation Item	2022 Budget	
			Revenues	Expenditures
169100	Administration	Overhead & administration	\$5,210,000	\$877,331
169119	Natural Resources Administration	Overhead & administration	-	624,949
169120	AIS Administration	Overhead & administration	-	-
169121	Water Planning Administration	Overhead & administration	5,586	129,272
169100	Stormwater Administration (Transfer)	Overhead & administration	-	729,811
169102	Flood Response	Maintenance & operations	-	110,000
169104	Flood Planning	Maintenance & operations	70,000	940,000
169106	Technical Assistance	Maintenance & operations	-	75,000
169108	NFIP and CRS	Maintenance & operations	12,000	127,000
169110	Early Warning	Maintenance & operations	4,413	133,000
169119	Natural Resources Operations	Maintenance & operations	744,139	1,677,710
169120	AIS Operations	Maintenance & operations	-	192,944
169121	Water Planning Operations	Maintenance & operations	414,414	1,029,642
169100	Stormwater Lake Whatcom Operations (Transfer)	Maintenance & operations	-	346,000
169700	Stormwater NPDES Phase II	Maintenance & operations	-	160,320
169100	Stormwater Lake Whatcom Capital (Transfer)	Construction & improvements	-	-
169112	Repair and Maintenance	Construction & improvements	715,000	1,692,439
169114	Flood Hazard Reduction	Construction & improvements	3,169,846	4,437,456
Total 2022 FCZD Budget			\$10,345,398	\$13,282,874
			\$(2,937,476)	

Code	Program		Revenues	Expenditures
16923	Acme/VanZandt Subzone	Overhead & administration	-	\$1,500
16925	Birch Bay Subzone	Overhead & administration	872,200	387,921
16921	Lynden/Everson Subzone	Maintenance & operations	45,460	32,500
16922	Sumas/Nooksack/Everson Subzone	Maintenance & operations	135,210	11,500
16923	Acme/VanZandt Subzone	Maintenance & operations	25,225	6,181
16924	Samish Watershed Subzone	Maintenance & operations	22,570	22,150
16925	Birch Bay Subzone	Maintenance & operations	-	146,400
16921	Lynden/Everson Subzone	Construction & improvements	-	45,000
16922	Sumas/Nooksack/Everson Subzone	Construction & improvements	-	199,125
16923	Acme/VanZandt Subzone	Construction & improvements	-	30,000
16925	Birch Bay Subzone	Construction & improvements	83,125	803,000
Total of 2022 FCZD Sub-Zone Budgets			\$1,183,790	\$1,685,277
			\$(501,487)	

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 ____ day of _____, 2021.

ATTEST:

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

Dana Brown-Davis, Clerk of the Council

Barry Buchanan, Chair of Board of Supervisors

APPROVED AS TO FORM:

Senior Civil Deputy Prosecuting Attorney

Flood Control Zone District 2022 Budget

OVERALL BUDGET SUMMARY

Budget Program Code	Approved 2021 Budget		Supplemented 2021 Budget		2021 Year End Projection		Proposed 2022 Budget		2022 ASR's	
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures
169100 Administration	\$ 5,043,000	\$ 777,107	\$ 5,043,000	\$ 784,093	\$ 5,020,258	\$ 902,333	\$ 5,210,000	\$ 859,831		\$ 17,500
169100 Transfers - To Stormwater		\$ 1,459,512		\$ 1,598,954		\$ 1,279,163		\$ 1,075,811		
169102 Flood Response	\$ -	\$ 110,000	\$ -	\$ 110,000	\$ -	\$ 55,000	\$ -	\$ 110,000		
169104 Flood Planning	\$ 258,000	\$ 885,000	\$ 258,000	\$ 927,575	\$ 115,000	\$ 283,025	\$ 70,000	\$ 940,000		
169106 Technical Assistance	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 75,000		
169108 NFIP and CRS	\$ 16,000	\$ 177,000	\$ 16,000	\$ 177,000	\$ 10,000	\$ 165,000	\$ 12,000	\$ 127,000		
169110 Early Warning	\$ 4,500	\$ 138,100	\$ 4,500	\$ 138,100	\$ 4,413	\$ 109,000	\$ 4,413	\$ 133,000		
169112 Repair and Maintenance	\$ 535,000	\$ 977,439	\$ 385,000	\$ 827,439	\$ 264,115	\$ 623,039	\$ 715,000	\$ 1,692,439		
169114 Flood Hazard Reduction	\$ 2,632,540	\$ 4,517,535	\$ 4,157,143	\$ 6,451,950	\$ 2,957,851	\$ 4,196,439	\$ 3,169,846	\$ 4,437,456		
169119 Natural Resources	\$ 557,361	\$ 2,015,894	\$ 563,639	\$ 2,040,950	\$ 499,278	\$ 2,115,916	\$ 744,139	\$ 2,227,659		\$ 75,000
169120 Aquatic Invasive Species	\$ -	\$ 152,217	\$ -	\$ 152,217	\$ -	\$ 152,217	\$ -	\$ 164,944		\$ 28,000
169121 Water Planning	\$ 175,000	\$ 978,546	\$ 175,000	\$ 1,082,246	\$ 225,000	\$ 1,023,736	\$ 175,000	\$ 548,914	\$ 245,000	\$ 610,000
169700 NPDES	\$ -	\$ 160,320	\$ -	\$ 160,320	\$ -	\$ 80,000	\$ -	\$ 160,320		
TOTAL	\$ 9,221,401	\$ 12,423,670	\$ 10,602,282	\$ 14,525,844	\$ 9,095,915	\$ 11,059,868	\$ 10,100,398	\$ 12,552,374	\$ 245,000	\$ 730,500
(DECREASE)/INCREASE IN FUND BALANCE	\$ (3,202,269)		\$ (3,923,563)		\$ (1,963,953)		\$ (2,451,976)		\$ (485,500)	

Notes:

Assumes no fall flood in 2021; 2022 budget includes funding for flood response and new repair
2021 Txfr to Stormwater Projection includes a 20% budget lapse.

2021 Anticipated: 14% Rev Lapse 24% Exp Lapse

	Starting Balance	8,084,364	1/1/2021
	Projected Net Annual Activity	<u>-1,963,953</u>	
	Projected Balance	6,120,411	1/1/2022
	Budgeted Net Annual Activity	<u>-2,451,976</u>	
	Add back expense lapse of 20% (with related grant income reduction)	<u>1,876,506</u>	
	Projected Balance	5,544,940	1/1/2023
ASR's	Rev	Exp	
6430 Auditor Fee Increases	\$ -	\$ 12,500	\$ (12,500) 169100
6432 Software Maint Contracts	\$ -	\$ 5,000	\$ (5,000) 169100
6427 WSU Extension	\$ -	\$ 25,000	\$ (25,000) 169119
6426 Collaborative Water Solutions Process 2022	\$ 125,000	\$ 375,000	\$ (250,000) 169121
6431 AIS Enforcement Funding	\$ -	\$ 28,000	\$ (28,000) 169120
6434 Domestic Water Use Efficiency Program	\$ -	\$ 40,000	\$ (40,000) 169121
6435 Climate Action Planner	\$ 120,000	\$ 120,000	\$ - 169121
6436 PIC Livestock Technical Assistance Program	\$ -	\$ 50,000	\$ (50,000) 169119
6437 Technical Studies for WRIA I Planning Ops	\$ -	\$ 75,000	\$ (75,000) 169121
	Balance after ASR's	245,000	730,500
			5,059,440 1/1/2023 (after ASRs)

DETAIL FOR FCZD PROGRAM AREAS

FLOOD MAINTENANCE AND OPERATIONS			
Flood Response (169102)	Proposed 2022 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	\$ (110,000.0)		2021 YE projection assumes small fall flood
Flood Planning (169104)	Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	
Lower Nooksack			
Wage and Benefits		\$ 130,000	
CFHMP refinement/update			
Facilitation		\$ 75,000	2021 BA inc 37,550 CA for CollinsW; need 2022 BA to cover est balance (35000) and amendment
Hydraulic modeling/alternatives analyses		\$ 60,000	2021 PO will CA (est bal is 10k) 2022 for FEQ model support
FLIP process support/Engineering design/Plan		\$ 300,000	2021 BA inc 5025 CA for NWIC; Herrera balance will CA into 2022 (2021 PO); NEP grant ends in 2021
Sediment management		\$ 200,000	likely to get under contract in 2022
Reach 1 Sediment	\$ -	\$ 75,000	2020 PO for \$85.7 balance + amendment for updated survey; 2021 BA for follow-up work with reach team
FLIP support for ag (AWB, farmer stipends)	\$ 70,000.0	\$ 75,000	Pass through funding for ag consultant, farmers stipends and tribes- revenues from F&D
High water mark survey		\$ 25,000	
TOTAL	\$ 70,000.0	\$ 940,000	
NET IMPACT TO FUND BALANCE	\$ (870,000.0)		
Technical Assistance (169106)	Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 75,000	
Postage for Special District reassessments		\$ -	CDID#5 was updated in 2020 with improved parcel coverage
TOTAL	\$ -	\$ 75,000	
NET IMPACT TO FUND BALANCE	\$ (75,000.0)		
National Flood Insurance Prgm (169108)	Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 100,000	
FEMA Floodplain mapping	\$ -	\$ 12,000	Assumes LNR mapping in 2022 - expenditures for public meeting notice
Permit reviews	\$ 12,000.0	\$ -	Flood permit fees
Public education/CRS activities	\$ -	\$ 15,000	CRS mailings
TOTAL	\$ 12,000.0	\$ 127,000	
NET IMPACT TO FUND BALANCE	\$ (115,000.0)		
Early Warning System (169110)	Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 1,000	
Nooksack River gages - USGS	\$ -	\$ 105,000	
Everson MainSt stage gage _ USGS	\$ 4,413.0	\$ -	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	\$ 4,413.0	\$ 133,000	
NET IMPACT TO FUND BALANCE	\$ (128,587.0)		

Flood Control Zone District
2022 Budget
Work Plan and Supporting Documentation

FLOOD CONSTRUCTION AND IMPROVEMENTS			
Repair and Maintenance (169112)			
Proposed 2022 Budget			
	Revenues	Expenditures	Assumptions/Notes
Wage and Benefits		\$ 185,000	
Misc			
Construction Projects			
Emergency/new projects as needed	\$ 50,000.0	\$ 350,000	Assumed costs for responding to flood/new repairs (assumes no fall 2021 flood)
Miscellaneous repair projects	\$ -	\$ 50,000	Placeholder for small projects; fall 2019 flood assumed
Marine Drive Levee Repair 2020 damage (720004)	\$ 251,250.0	\$ 300,000	Surveyed in 2020, construction in 2022 (FEMA)
Truck Road 2020 Damage (720008)	\$ 253,750.0	\$ 250,000	2021 contract for alt analysis; 2021 amendment for design: rev are 75% FEMA and 12.5% Roads
Everson Overflow Pipeline Bank Stabilization (720009)	\$ 135,000.0	\$ 150,000	Alt anal in 2021; design in 2022; FEMA reimburses 75%
Bertrand Creek Levee Stabilization (721002)	\$ 25,000.0	\$ 250,000	Start design in 2021 and construct in 2022; potential cost-share from DD#4
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	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	\$ 715,000.0	\$ 1,692,439	
NET IMPACT TO FUND BALANCE	\$ (977,439.0)		
Flood Hazard Reduction (169114)			
Proposed 2022 Budget			
	Revenues	Expenditures	Assumptions/Notes
Wage and Benefits		\$ 315,000	
Misc	\$ -		
Swift Creek			
Bank stabilization/channel excavation	\$ -	\$ 114,624	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 New properties	\$ -	\$ 50,000	New owner interested in selling
Leases for agriculture	\$ 3,780.0	\$ -	River Rd and Emmerson Rd properties
Walton Property Management	\$ 16,800.0	\$ -	Revenues are from lease; 2021 expenses to deal with barn fire (demo, electric and well house)
Floodplain acquisition	\$ 847,866.0	\$ 1,059,832	Revenues from FbD grant; 2021 BA reduced by 200k for transfer to Jones Crk; 2022 is remaining grant task balance if not used for GG
Ferndale Levee Improvement Project (719008)	\$ 422,400.0	\$ 528,000	2021 BA from R&E CA; 2022 BA cover contract balance + amendment for 60% design; rev from FbD
Lynden Levee Improvement Project (in conjunction with USACE rehab project) (718005)	\$ 36,000.0	\$ 45,000	Chanel construction and USACE cost-share in 2021; planting and O&M plan in 2022
Abbott Levee Improvement (SWIF) (718010)	\$ 155,000.0	\$ 260,000	Assumes Roads pays 50%; design and construct bank repair in 2021; 2022 BA is for Phase 2 design; 2021 BA inc NHC CA
Cougar Creek Early Action Project Design (720010)	\$ 60,000.0	\$ 75,000	2021 rev is NOAA funding through TNC; complete design and permit in 2022 as early action project for FbD?
Other FbD Early Action Projects (TBD)	\$ 300,000.0	\$ 375,000	Balance of task budget in 2019-21 FbD grant; projects TBD
South Fork Fish Camp Project (72100x)			
Phase 1 design/construction	\$ 880,000.0	\$ 880,000	Pass-through FbD funding to Nooksack Tribe for integrated fish-flood project: Tribe to provide grant match (not included in WRIP)
Dahlberg Wetland Mitigation Site (719006)			
Wetland plan development		\$ 130,000	2021 costs for BLA to settle claim; 2022 BA for work to start on site plan development/monitoring
Jones Creek Deflection Berm (712004)			
Berm and bridge design	\$ 54,000.0	\$ 130,000	2021 BA inc CA for Swift appraisals; 2021 PO for PSE contract balance; Permitting assistance from Roads (30k/yr) design cost-shared 70/30 with Roads
Land/easement acquisition	\$ 50,000.0	\$ -	Derus and Swift properties plus two easements in 2021; revenues from FbD; 2022 revenues is from road for new ROW
Construction	\$ 124,000.0	\$ 155,000	Demo and cleanup of Derus- likely to slip to 2022 due to movers
High Creek Sediment Management			
Sediment trap maintenance (720005)	\$ -	\$ 45,000	Cleaning only one trap in 2021
Glacier-Gallup Creek Alluvial Fan Restoration (718007)			
Outreach	\$ 20,000.0	\$ 25,000	2021 YE exp is contract balance - 2021 PO
Preliminary design	\$ 200,000.0	\$ 250,000	interim repair alt analysis in 2021; 60% design in 2022
TOTAL	\$ 3,169,846.0	\$ 4,437,456	
NET IMPACT TO FUND BALANCE	\$ (1,267,610.0)		

Flood Control Zone District
 2022 Natural Resources Budget
 Work Plan and Supporting Documentation

Natural Resources (169119)	Proposed 2022 Budget		Assumptions/Notes	ASRs
	Revenues	Expenditures		
NATURAL RESOURCES ADMINISTRATION				
Staff		\$ 308,421	Includes salary for 2.5 FTEs and overtime.	
Office and operating		\$ 316,528		
TOTAL	\$ -	\$ 624,949		
NET IMPACT TO FUND BALANCE	\$ (624,949)			
NATURAL RESOURCES OPERATIONS				
Salmon Recovery				
Staff		\$ 136,352	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	
New restoration projects*		\$ 30,000	Contracted services for activities supporting planting, fencing, culvert replacement. etc.	
Marine Resources Committee				
Staff	\$ 102,000	\$ 107,225	0.95 FTE + \$1,100 for intern	
MRC restoration projects		\$ 4,000	MRC projects	
Water Quality/Pollution Identification & Correction				
Program Coordination		\$ 136,352	Program Coordinator (1 FTE)	
Water Quality Monitoring	\$ 6,000	\$ 267,597	Sampling personnel, lab contract, one	
Data Management	\$ 100,000	\$ 100,000	WCD Data Manager	
Technical Assistance	\$ 170,000	\$ 170,000	WCD Farm Planners	\$ 50,000
Community Outreach	\$ 220,723	\$ 269,723	Outreach staff, WCD staff, supplies	
Incentives	\$ 58,000	\$ 79,000	OSS and small farm cost share	
Compliance	\$ 87,416	\$ 87,416	PDS Staff	
Coordination and Planning				
Lake Whatcom Homeowner Incentive Program		\$ 61,525	Staff time only (0.5 FTE); contracted	
CosMos			CosMos Project \$125 with funding (RD 40%, BB 10%, GF 30%)	\$ -
WSU Extension outreach services				\$ 25,000
TOTAL	\$ 744,139	\$ 1,602,710		
NET IMPACT TO FUND BALANCE	\$ (858,571)			
TOTAL FOR COST CENTER	\$ 744,139	\$ 2,227,659		
		\$ 1,483,520		
*Integrated Salmon Recovery/Flood Hazard Reduction capital and planning projects appear under Cost Center 169114 and 169104.				
Aquatic Invasive Species (169120)				
		Proposed 2022 Budget		
		Revenues	Expenditures	Assumptions/Notes
AIS ADMINISTRATION				
Staff	\$ -	\$ -		
Office and operating		\$ -		Misc. Expenses
TOTAL	\$ -	\$ -		
NET IMPACT TO FUND BALANCE	\$ -			
AIS OPERATIONS				
Coordination and Planning				
Interlocal Agreement (COB)	\$ -	\$ 154,944	Contribution to City for AIS Program; includes COB program cost increase	
Enforcement	\$ -		Interdepartmental Agreement with WCSO	\$ 28,000
AIS online education program website maintenance	\$ -	\$ 10,000	Contracted services for online	
TOTAL	\$ -	\$ 164,944		
NET IMPACT TO FUND BALANCE	\$ (164,944)			
TOTAL FOR COST CENTER	\$ -	\$ 164,944		
		\$ 164,944		

Flood Control Zone District
 2022 Natural Resources Budget
 Work Plan and Supporting Documentation

Water Planning (169121)	Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	
WATER PLANNING ADMINISTRATION			
Staff	\$ 5,586	\$ 128,722	Watershed Planner + LIO Labor
Office and operating		\$ 550	
TOTAL	\$ 5,586	\$ 129,272	
NET IMPACT TO FUND BALANCE	\$ (123,686)		
WATER PLANNING OPERATIONS			
Coordination and Planning			
Drainage-Based Management	\$ 50,000	\$ 50,000	Drainage-Based Management
Watershed Planning Administrative Support		\$ 25,000	Watershed Planning Administrative Support
LENS Groundwater Model		\$ 100,000	Peer Review and Modification of Groundwater Model
LIO administration	\$ 119,414	\$ 119,642	Administration of LIO process
Stream Gauging		\$ 125,000	USGS Stream Monitoring/AESI GW Monitoring Contracts
Climate Action Planner			\$ -
Domestic Water Use Efficiency Program			\$ 40,000
Water Settlement Initiative			Collaborative Process to Resolve Water Issues \$ 250,000
Technical Studies for WRIA I Planning Ops			Collaborative Process to Resolve Water Issues \$ 75,000
TOTAL	\$ 169,414	\$ 419,642	
NET IMPACT TO FUND BALANCE	\$ (250,228)		
TOTAL FOR COST CENTER	\$ 175,000	\$ 548,914	
		\$ 373,914	
			TOTAL ASRs \$ 468,000
	\$ 2,941,517		
	\$ 919,139		
	\$ (2,022,378)		
		\$ 2,022,378	Total Budgeted Expenditure
		\$ 2,490,378	Total with ASRs
		\$ (199,230)	8% lapse on expenses with ASRs
		\$ 2,291,148	Estimated 2022 Expenditures

**Lynden/Everson Subzone
2022 Budget
and Fund Balance Projections**

Fund balance as of December 31, 2020	\$177,705	(+)	(-)	Notes
2021 Estimated Revenues:				
Assessment				\$43,060
Interest earnings/penalties				\$2,400
2021 Estimated Expenditures:				
Levee vegetation maintenance				\$25,000 brushing, spraying and hydroseeding
Mole control/misc				\$2,500 ACOE deficiency
Alternative corrections crew labor				\$5,000 misc levee and mitigation
Address new ACOE deficiencies				\$5,000 Blankers levee & misc.
Lynden Levee Rehabilitation (USACE) and Channel Work				\$25,000 local contribution
Plant materials/maintenance supplies				\$2,500 for mitigation
Upper Hampton Backsloping				\$5,000 trucking and/or dozer time
Abbott Levee Bank Stabilization & Habitat Project				\$25,000 local contribution
Coordination, TA & Project Mgmt.				\$5,000 staff time
Total				\$45,460 \$100,000
Projected December 2021 fund balance	\$123,165			
 2022 Revenues - Proposed Budget				
Assessment				\$43,060
Interest earnings				\$2,400
2022 Expenditures - Proposed Budget				
Levee vegetation maintenance				\$25,000 brushing, spraying and hydroseeding
Mole control/misc				\$2,500 ACOE deficiency
Alternative corrections crew labor				\$5,000 misc levee and mitigation maintenance
Address new ACOE deficiencies				\$5,000 new problems placeholder
ACOE Culvert Inspections				\$5,000 video/photos
Cost-share/repairs as needed				\$30,000 New damage
Coordination				\$5,000 staff time
Total				\$45,460 \$77,500
Projected December 2022 fund balance	\$91,125			

**Sumas/Nooksack/Everson Subzone
2022 Budget
and Fund Balance Projections**

Fund balance as of December 31, 2020	\$1,474,948	(+)	(-)	Notes
2021 Estimated Revenues:				
Assessment		\$121,210		
Interest earnings		\$14,000		
2021 Estimated Expenditures:				
Levee vegetation maintenance				\$5,000 brushing and spraying
Mitigation monitoring and maintenance				\$1,000 supplies
Alternative corrections crew labor				\$2,500 misc maintenance
Transfer to Swift Creek project fund				\$45,000 150k Road fund, 105K FCZD fund also transferred for \$300k/yr
Coordination				\$1,500 staff costs
Pump station electric charges				\$2,000 PSE
Total		\$135,210		\$57,000
Projected December 2021 fund balance	\$1,553,158			
 2022 Revenues - Proposed Budget				
Assessment		\$121,210		
Interest earnings		\$14,000		
2022 Expenditures - Proposed Budget				
Levee vegetation maintenance				\$5,000 brushing, spraying and hydroseed
Pump station electric charges				\$2,000 PSE
Mitigation monitoring and maintenance				\$1,000 supplies
Alternative corrections crew labor				\$2,000 misc maintenance
Coordination, TA & Project Mgmt.				\$1,500 staff costs
Transfer to Swift Creek project fund				\$49,125 150k Road fund, 105K FCZD fund also transferred for \$300k/yr subject to CPI-Urban
Cost-share/repairs as needed (new damage)				\$150,000 30% of \$500,000 project
Total		\$135,210		\$210,625
Projected December 2022 fund balance	\$1,477,743			

**Acme/Van Zandt Subzone
2022 Budget
and Fund Balance Projections**

Fund balance as of December 31, 2020	\$365,394	(+)	(-)	Notes
2021 Estimated Revenues:				
Assessment			\$23,225	
Interest earnings			\$2,000	
2021 Estimated Expenditures:				
Cost-share/repairs as needed				\$0
M&O for Jones Creek stage/prec gage (9 month operation)				\$6,001 9 month operation with telemetry
Admin support for meetings/minutes				\$1,000
Total			\$25,225	\$7,001
Projected December 2021 fund balance	\$383,618			
 2022 Revenues - Proposed Budget				
Assessment			\$23,225	
Interest earnings			\$2,000	
2022 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)				\$6,181 9 month operation with telemetry
Admin support for meetings/minutes				\$1,500
Total			\$25,225	\$37,681
Projected December 2022 fund balance	\$371,162			

**Samish Watershed Subzone
2022 Proposed Budget
and Fund Balance Projections**

Fund balance as of December 31, 2020	\$137,453	(+)	(-)	Subtotal	Notes
2021 Estimated Revenues:				\$22,555	
Assessment			\$21,820		2X June actual
Interest earnings			\$735		2X June actual
2021 Estimated Expenditures:				\$15,453	
Natural resource staff salaries, wages, benefits				\$6,455	YTD x 2.25 to account for more hours in fall
Office & operating supplies				\$337	
Repair & maintain weir & channel - contract services				\$3,800	8 months of the 12 month LOA
Repairs & Maintenance - interfund				\$4,861	This is for M&O interfund and was assigned to "668- Other services in 2021 budget but changes were assigned to "705 -R&M" which is where this was budgeted in the draft 2021 budget
Permits				\$0	Permits current thru spring 2024
	Total			\$22,555	\$15,453
	Projected Fund Balance December 31, 2021			\$144,555	
2022 Revenues - Proposed Budget				\$22,570	
Assessment			\$21,820		Assumes 2022 similar to 2021
Interest earnings			\$750		Assumes 2022 similar to 2021
2022 Expenditures - Proposed Budget				\$22,150	
Natural resource staff salaries, wages, benefits				\$6,750	
Office & operating supplies				\$1,250	Weir timber replacement, new neoprene baffles, etc.
Repair & maintain weir & channel - contract services				\$7,900	2021-2022 LOA amount plus 3.5% cost increase for 2022-2023 LOA + \$2000 for beaver trapping
Repairs & Maintenance - interfund				\$6,250	Assumes M&O rental rates don't inflate appreciably
Permits				\$0	Permits current thru spring 2024
	Total			\$22,570	\$22,150
	Projected December 2022 fund balance			\$144,975	

**Birch Bay Subzone
2022 Budget**

	Administration/ Personnel 2022	Program Development & Management 2022	Capital Improvement Projects 2022	Maintenance, Small Works, & Scoping 2022	Water Quality Monitoring 2022	Education & Outreach 2022	Habitat Improvement 2022	Total 2022	2022 Break Out			
									Overhead/ Admin	M&O	Construction	
									A	O	C	
Revenue												
FEMA - Fed			(71,250)					(71,250)	-		(71,250)	
FEMA - State			(11,875)					(11,875)	-		(11,875)	
Assessment Penalties	(2,500)							(2,500)	(2,500)		-	
Interest	(23,000)							(23,000)	(23,000)		-	
Assessments	(780,000)							(780,000)	(780,000)		-	
Stormwater transfer in	(66,700)							(66,700)	(66,700)		-	
REET II transfer in								-	-		-	
Revenue Total	(872,200)		(83,125)					(955,325)	(872,200)		(83,125)	(955,325)

Expense												
Salaries & Wages	142,983							142,983				
Extra Help	29,000							29,000				
Overtime	2,000							2,000				
Benefits	110,078							110,078				
Total Salaries & Benefits	284,061							284,061	284,061		-	
Unrealized Gain (Loss)												
Office & Operating Supplies	1,000					6,000	15,000	22,000	7,000		15,000	
Office & Oper. Supplies-Interfund	200							200	200			
Printing						5,000		5,000		5,000		
Books/Publications/Subscrip.	200							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	12,500			17,500		17,500		
Professional Services	18,000	10,000	345,000	14,000		40,000		427,000		68,000	359,000	
Building Maintenance	1,332							1,332	1,332			
Other Services-Interfund			60,000	12,000				72,000	-		72,000	
Postage/Shipping/Freight	500						3,000	3,500		3,500		
Postage-Interfund	100							100		100		
Telephone	965							965	965			
Travel-Educ/Training	1,000							1,000	1,000			
Travel-Other	1,500							1,500	1,500			
Advertising						1,500		1,500		1,500		
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 - Interfund	760							760	760			
Repairs & Maintenance				40,000				40,000		40,000		
Registration/Tuition	2,100							2,100	2,100			
Meeting Refreshments		300					200	500		500		
Administrative Cost Allocation	11,575							11,575	11,575			
Other Miscellaneous-Interfund				2,000				2,000			2,000	
Intergov. Professional Services						10,000		10,000		10,000		
Capital Outlays - Other Improvements			355,000					355,000			355,000	
Operating Transfer Out - Gen Fd	22,978							22,978	22,978			
Total Expenditures	399,471	11,300	760,000	73,000	12,600	65,950	15,000	1,337,321	387,921	146,400	803,000	1,337,321

Net Fund Impact: 381,996 (484,279) 146,400 719,875 381,996

Projected 2022 Starting Balance: 1,800,000
 Net 2022 Fund Impact: (381,996)
 Lapse Add Back at 15%: 200,598
 Projected 2022 Ending Balance: 1,618,602

Capital Improvement Projects

Object Code	Project/Program	2022	Notes
9259017002 Harborview Road/Birch Bay Drive Stormwater Improvements, Ph 2			
6630	PROFESSIONAL SERVICES		Design, archaeology, bid support
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS		Construction contract, ROW
6699	OTHER SERVICES INTERFUND	10,000	Construction staking, as-built survey, permitting assistance, engineering oversight
7199	OTHER MISC INTERFUND		Permit expense
9259020001 Semiahmoo Drive Stormwater Improvements			
6630	PROFESSIONAL SERVICES	105,000	Design, archaeology, bid support
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	325,000	Construction contract, ROW
6699	OTHER SERVICES INTERFUND	10,000	Construction staking, as-built survey, permitting assistance, engineering oversight
7199	OTHER MISC INTERFUND		Permit expense
9259019002 Charel Terrace Bank Stabilization Study			
6630	PROFESSIONAL SERVICES	55,000	Herrera design contract. Received \$110k from FEMA, requires 12.5% match
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	30,000	Construction contract, ROW
6699	OTHER SERVICES INTERFUND	10,000	Construction staking, as-built survey, permitting assistance, engineering oversight
7199	OTHER MISC INTERFUND		Permit expense
9259020002 Holeman Avenue Stormwater Improvements			
6630	PROFESSIONAL SERVICES	90,000	Design, archaeology, bid support
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS		Construction contract, ROW
6699	OTHER SERVICES INTERFUND		Construction staking, as-built survey, permitting assistance, engineering oversight
7199	OTHER MISC INTERFUND		Permit expense
9259021001 Normar Place Stormwater Improvements			
6630	PROFESSIONAL SERVICES	55,000	Design, archaeology, bid support
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS		Construction contract, ROW
6699	OTHER SERVICES INTERFUND	20,000	Construction staking, as-built survey, permitting assistance, engineering oversight
7199	OTHER MISC INTERFUND		Permit expense
9259019001 Lora Lane Drainage & Tide Gate Modifications			
6630	PROFESSIONAL SERVICES	40,000	Design, archaeology, bid support
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS		Construction contract, ROW
6699	OTHER SERVICES INTERFUND	10,000	Construction staking, as-built survey, permitting assistance, engineering oversight
7199	OTHER MISC INTERFUND		Permit expense
	Total Expenditures	760,000	
Object Code Totals			
6630	PROFESSIONAL SERVICES	345,000	
6699	OTHER SERVICES INTERFUND	60,000	
7199	OTHER MISC INTERFUND	0	
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	355,000	
8351	TRANSFER OUT	0	
	Total Expenditures	760,000	

Whatcom County Flood Control Zone District
Flood Capital Program
2022

Department	Fund	Database ID No.	Project Title	Year	Cost
Flood Capital Program					
Public Works	Flood Fund	07-002	Marietta Acquisition	2022	\$ 75,000
Public Works	Flood Fund	20-001	Marine Drive Levee 2020 Damage Repair	2022	\$ 335,000
Public Works	Flood Fund	16-007	Abbott Levee Protection and Improvement	2022	\$ 310,000
Public Works	Flood Fund	16-003	Lynden Levee Improvement	2022	\$ 55,000
Public Works	Flood Fund	07-105	Jones Creek Debris Flow Protection	2022	\$ 385,000
Public Works	Flood Fund	16-008	Cougar Creek Early Action Project	2022	\$ 95,000
Public Works	Flood Fund	20-002	Everson Overflow Pipeline Bank Stabilization	2022	\$ 180,000
Public Works	Flood Fund	20-003	Truck Road Flood Damage	2022	\$ 290,000
Public Works	Flood Fund	16-005	Bertrand Creek Levee Stabilization	2022	\$ 285,000
Public Works	Flood Fund	07-104	Ferndale Levee Improvement	2022	\$ 578,000
Public Works	Flood Fund	18-006	Glacier-Gallup Alluvial Fan Restoration	2022	\$ 325,000
Public Works	Flood Fund	20-004	Dahlberg Wetland Mitigation Site	2022	\$ 160,000
Public Works	Flood Fund	07-002	Floodplain Acquisition	2022	\$ 1,060,000
Total					\$ 4,133,000
Public Works	BBWARM	18-009	Semiahmoo Drive Drainage Improvements	2022	\$ 440,000
Public Works	BBWARM	20-011	Charel Terrace Stormwater Outfall Improvements	2022	\$ 95,000
Public Works	BBWARM	07-242	Holeman Avenue Stormwater Improvements PW-1	2022	\$ 90,000
Public Works	BBWARM	19-004	Normar Place Stormwater Improvements	2022	\$ 75,000
Public Works	BBWARM	18-008	Lora Lane Drainage & Tide Gate Modification	2021	\$ 80,000
Total					\$ 780,000