



Whatcom County

COUNTY COURTHOUSE
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Agenda Bill Report

File Number: AB2023-721

File ID:	AB2023-721	Version:	1	Status:	Approved
File Created:	10/26/2023	Entered by:	MMiterko@co.whatcom.wa.us		
Department:	Finance Division	File Type:	Resolution (FCZDBS) Requiring a Public Hearing		
Assigned to:	Council Finance and Administrative Services Committee			Final Action:	11/21/2023
Agenda Date:	11/21/2023	Enactment #:	RES 2023-047		
Related Files:					

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

TITLE FOR AGENDA ITEM:

Resolution adopting the 2024 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 Flood Control Zone District (FCZD) must adopt an annual budget that includes the countywide district and the subzones of the district. The attached resolution establishes the overall budget consistent with the appropriation items outlined in the law.

Public Works respectfully requests that the FCZD Board of Supervisors adopt the attached resolution to establish a 2024 budget for the countywide 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

HISTORY OF LEGISLATIVE FILE

Date:	Acting Body:	Action:	Sent To:
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Agenda Bill Report Continued (AB2023-721)

11/08/2023	Council	INTRODUCED FOR PUBLIC HEARING	Council
		Aye: 6	Buchanan, Byrd, Donovan, Frazey, Galloway, and Kershner
		Nay: 1	Elenbaas
11/08/2023	Council	INTRODUCED FOR PUBLIC HEARING	Council Finance and Administrative Services Committee
11/21/2023	Council Finance and Administrative Services Committee	DISCUSSED	
11/21/2023	Council	APPROVED	
		Aye: 6	Buchanan, Donovan, Elenbaas, Frazey, Galloway, and Kershner
		Nay: 0	
		Absent: 1	Byrd

Attachments: Staff Memo, Proposed Resolution, Exhibit A, Exhibit B, Additional Service Requests

PROPOSED BY: Public Works

INTRODUCTION DATE: 11/08/2023

RESOLUTION NO. 2023-047

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

**ADOPTING THE 2024 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 2024 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 2024 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	2024 Budget	
			Revenues	Expenditures
100	Administration	Overhead & administration	\$7,062,925	\$1,719,323
119	Natural Resources Administration	Overhead & administration	-	946,181
121	Water Planning Administration	Overhead & administration	6,432	295,596
100	Stormwater Administration (Transfer)	Overhead & administration	-	917,411
102	Flood Response	Maintenance & operations	-	120,000
104	Flood Planning	Maintenance & operations	1,448,000	1,815,000
106	Technical Assistance	Maintenance & operations	-	75,000
108	NFIP and CRS	Maintenance & operations	12,000	177,000
110	Early Warning	Maintenance & operations	4,680	193,000
120	AIS Operations	Maintenance & operations	20,000	230,826
121	Water Planning Operations	Maintenance & operations	618,568	1,233,568
122	Climate Action	Maintenance & operations	-	50,000
123	Marine Resource Committee	Maintenance & operations	192,000	213,942
124	Water Quality	Maintenance & operations	615,211	1,257,375
125	Salmon Recovery	Maintenance & operations	-	468,815
126	Lake Whatcom	Maintenance & operations	-	87,249
100	Stormwater Lake Whatcom Operations (Transfer)	Maintenance & operations	-	387,400
700	Stormwater NPDES Phase II	Maintenance & operations	-	172,000
112	Repair and Maintenance	Construction & improvements	2,772,725	4,139,439
114	Flood Hazard Reduction	Construction & improvements	18,163,913	20,619,039
Total 2024 FCZD Budget			\$30,916,454	\$35,118,164
			\$(4,201,710)	

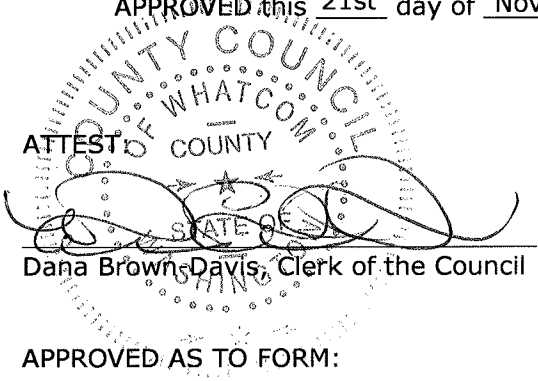
Code	Program		Revenues	Expenditures
16923	Acme/VanZandt Subzone	Overhead & administration	\$-	\$1,500
16925	Birch Bay Subzone	Overhead & administration	880,839	284,852
16921	Lynden/Everson Subzone	Maintenance & operations	47,500	42,500
16922	Sumas/Nooksack/Everson Subzone	Maintenance & operations	140,000	21,000
16923	Acme/VanZandt Subzone	Maintenance & operations	26,196	11,818
16924	Samish Watershed Subzone	Maintenance & operations	23,992	23,926
16925	Birch Bay Subzone	Maintenance & operations	-	313,650
16921	Lynden/Everson Subzone	Construction & improvements	-	72,000
16922	Sumas/Nooksack/Everson Subzone	Construction & improvements	-	106,240
16923	Acme/VanZandt Subzone	Construction & improvements	-	54,300
16925	Birch Bay Subzone	Construction & improvements	802,500	1,636,000
			\$1,921,027	\$2,567,786
Total of 2024 FCZD Sub-Zone Budgets			\$(646,759)	

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.

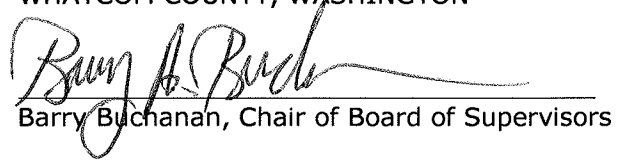
APPROVED this 21st day of November, 2023.

ATTEST



Dana Brown Davis, Clerk of the Council

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



Barry Buchanan, Chair of Board of Supervisors

APPROVED AS TO FORM:

Approved by email/ C Quinn/ R Rydel 10/25/23
Christopher Quinn
Senior Civil Deputy Prosecuting Attorney

Flood Control Zone District
Proposed 2024 Budget

OVERALL BUDGET SUMMARY

Budget Code	Program	Approved 2023 Budget		Supplemented 2023 Budget		2023 Year End Projection		Proposed 2024 Budget		Proposed 2024 ASR's	
		Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures
100	Administration	\$ 6,472,000	\$ 1,297,083	\$ 6,472,000	\$ 1,301,730	\$ 6,466,922	\$ 1,161,778	\$ 7,062,925	\$ 1,716,623	\$	\$ 2,700
100	Transfers - To Stormwater	\$	\$ 1,512,800	\$	\$ 1,512,800	\$	\$ 800,000	\$	\$ 1,304,811	\$	\$ 35,000
102	Flood Response	\$ -	\$ 110,000	\$ -	\$ 110,000	\$ -	\$ -	\$ -	\$ 120,000	\$	\$
104	Flood Planning	\$ 1,132,000	\$ 1,470,000	\$ 1,782,000	\$ 2,161,198	\$ 1,380,440	\$ 1,626,690	\$ 1,448,000	\$ 1,815,000	\$	\$
106	Technical Assistance	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 45,000	\$ -	\$ 75,000	\$	\$
108	NFIP and CRS	\$ 12,000	\$ 127,000	\$ 12,000	\$ 127,000	\$ 15,000	\$ 136,000	\$ 12,000	\$ 177,000	\$	\$
110	Early Warning	\$ 4,413	\$ 174,800	\$ 95,488	\$ 265,875	\$ 95,620	\$ 190,000	\$ 4,680	\$ 193,000	\$	\$
112	Repair and Maintenance	\$ 5,026,827	\$ 6,251,204	\$ 5,220,731	\$ 7,198,314	\$ 3,158,840	\$ 3,272,526	\$ 2,772,725	\$ 4,139,439	\$	\$
114	Flood Hazard Reduction	\$ 8,360,630	\$ 11,013,080	\$ 20,717,929	\$ 23,128,874	\$ 4,570,453	\$ 5,427,421	\$ 18,163,913	\$ 20,619,039	\$	\$
119	Natural Resources	\$ -	\$ 792,921	\$ -	\$ 792,921	\$ -	\$ 792,921	\$ -	\$ 911,181	\$	\$
120	Aquatic Invasive Species	\$ 20,000	\$ 212,691	\$ 20,000	\$ 212,691	\$ 20,000	\$ 212,691	\$ 20,000	\$ 230,826	\$	\$
121	Water Planning	\$ 187,500	\$ 1,035,078	\$ 359,927	\$ 1,499,533	\$ 264,535	\$ 1,485,593	\$ 125,000	\$ 744,164	\$ 500,000	\$ 785,000
122	Climate Action Planning	\$ 280,017	\$ 280,017	\$ 356,496	\$ 355,150	\$ 380,000	\$ 380,000	\$ -	\$ -	\$	\$ 50,000
123	Marine Resources Committee	\$ 246,728	\$ 269,672	\$ 246,728	\$ 269,672	\$ 246,728	\$ 269,672	\$ 124,000	\$ 136,861	\$ 68,000	\$ 77,081
124	Water Quality	\$ 146,500	\$ 841,459	\$ 146,500	\$ 846,303	\$ 146,500	\$ 862,102	\$ 615,211	\$ 1,257,375	\$	\$
125	Salmon Recovery	\$ -	\$ 326,691	\$ -	\$ 326,691	\$ -	\$ 326,691	\$ -	\$ 468,815	\$	\$
126	Lake Whatcom	\$ -	\$ 88,191	\$ -	\$ 88,191	\$ -	\$ 88,191	\$ -	\$ 87,249	\$	\$
700	NPDES	\$ -	\$ 172,000	\$ -	\$ 172,000	\$ -	\$ 80,000	\$ -	\$ 172,000	\$	\$
TOTAL		\$ 21,888,615	\$ 26,049,686	\$ 35,429,799	\$ 40,443,942	\$ 16,745,038	\$ 17,157,274	\$ 30,348,454	\$ 34,168,383	\$ 568,000	\$ 949,781
(DECREASE)/INCREASE IN FUND BALANCE		\$ (4,161,071)		\$ (5,014,144)		\$ (412,236)		\$ (3,819,929)		\$ (381,781)	

Notes:

Assumes no fall flood in 2023; 2024 budget includes funding for flood response and new repair

Program Manager Projected 2023 Lapse: 53% Rev Lapse 58% Exp Lapse

Starting Balance	4,783,796	1/1/2023	Starting - Beginning 2023	\$ 4,783,796
Projected Net Annual Activity	951,363		Budgeted Activity 2023	\$ (412,236)
Projected Balance	5,735,159	1/1/2024	Unprojected Lapse Calc all except 112&114	\$ 1,268,599 15%
2024 Proposed Budget Net Annual Activity	(3,819,929)		Outstanding SBR's not yet budgeted	\$ -
Budget proposed fund balance at year end	1,915,230			
2024 Proposed ASR Net Activity	(381,781)			
Budget proposed fund balance after ASRs at year end	1,533,449		FEMA Revenue from 2021/2022 recovery	\$ 95,000
Add back expense lapse of 30% (with related grant income reduction)	4,254,458		EOY 2023 Fund Balance - With Lapse	\$ 5,735,159
Projected fund balance with lapse considered	5,787,907	1/1/2025		

Lapse Used
30%

Flood Control Zone District
2024 Flood Program Budget
Work Plan and Supporting Documentation

DETAIL FOR FCZD PROGRAM AREAS

FLOOD MAINTENANCE AND OPERATIONS

Flood Response (169102)	Proposed 2024 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 20,000	
ASR		\$ -	15,000 OT Wages
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 (may supplement with 112 Emerg. New Projects)
TOTAL	\$ -	\$ 120,000	Budget based on 2021 flood with cost & wage increases
NET IMPACT TO FUND BALANCE	\$ (120,000)		2023 YE projection assumes no fall flood

Flood Planning (169104)	Proposed 2024 Budget		Assumptions/Notes
	Revenues	Expenditures	
Lower Nooksack			
Wage and Benefits		\$ 130,000	
CFHMP refinement/update			
Facilitation		\$ 100,000	6630 2023 amendmt added \$100k and CM to team; add budget in late 2024 to carry into 2025
FLIP support/Technical/Engineering design/Plan	\$ 1,000,000	\$ 1,000,000	6630 NEW Proviso on 7/1/23; 100k billed above '22 Proviso thru 6/30/23; Herrera contracts amendments both years
SBR/CA			Herrera contract and '22 Proviso CA - YE in above row
Sediment management	\$ 80,000	\$ 100,000	7210 23-25 FbD grant FLIP support task for rev
FLIP support for ag (AWB, farmer stipends, tribes)	\$ 128,000	\$ 160,000	7210 Pass through funding for ag consultant, Cities and tribes, farmers stipends- revenues from FbD
Instream flow study for DBM - used for gw model	\$ -	\$ -	6630 19-21 FbD grant used for gw model support - FLIPSC did not support ISF study; will CA into '24 if not spent
Transfer from 722002 for Storage Study			Anchor contract - may CA into '24; revenues from Commerce grant
River bathymetry (LiDAR + boat survey)	\$ 240,000	\$ 300,000	7210 New river bathy to evaluate changes in capacity; revenues from '23-25 FbD grant
High water mark survey		\$ 25,000	6630
CA		\$ -	6630 Collins-Woerman contract balance
TOTAL	\$ 1,448,000	\$ 1,815,000	
NET IMPACT TO FUND BALANCE	\$ (367,000)		

Technical Assistance (169106)	Proposed 2024 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 75,000	
		\$ -	
TOTAL	\$ -	\$ 75,000	
NET IMPACT TO FUND BALANCE	\$ (75,000)		

National Flood Insurance Prgm (169108)	Proposed 2024 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 150,000	
FEMA Floodplain mapping	\$ -	\$ 12,000	Assumes LNR mapping in 2023 - expenditures for public meeting notice
Permit reviews	\$ 12,000	\$ -	Flood permit fees
Public education/CRS activities	\$ -	\$ 15,000	CRS mailings
TOTAL	\$ 12,000	\$ 177,000	
NET IMPACT TO FUND BALANCE	\$ (165,000)		

Flood Control Zone District
 2024 Flood Program Budget
 Work Plan and Supporting Documentation

Early Warning System (169110)	Proposed 2024 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 1,000	
Nooksack River gages - USGS	\$ -	\$ 165,000	2023 YE rev from Commerce grant for new gages; M&O costs increased 3% COLA
Transfer from 722002			
Everson MainSt stage gage _ USGS	\$ 4,680	\$ -	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	\$ 4,680	\$ 193,000	
NET IMPACT TO FUND BALANCE	\$ (188,320)		
FLOOD CONSTRUCTION AND IMPROVEMENTS			
Repair and Maintenance (169112)	Proposed 2024 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 170,000	
Misc			
Construction Projects			
Emergency/new projects as needed	\$ 50,000	\$ 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)	\$ 38,000	\$ 30,000	revenues include wages; planting in '24
Transfer	\$ -	\$ -	
Truck Road 2020 Damage (720008)	\$ 2,279,525	\$ 2,332,000	Rev are 90% FEMA 5% State 2.5% Roads; rev inc wages
Net result of CA and budget transfer	\$ -	\$ -	BA moved to Marine Drive
Everson Overflow Pipeline Bank Stabilization (720009)	\$ 19,000	\$ 17,500	revenues include wages; planting in '24
CA	\$ -	\$ -	NHC contract balance
Bertrand Creek Levee Stabilization (721002)		\$ 10,000	
Jones Creek Revetment Repair (722004)	\$ -	\$ -	Incorporated into deflectionberm project
Acme Woody Revetment Repair (723008)	\$ 274,575	\$ 274,500	90% FEMA 5% State cost-share includes wages
Hudson Rd Bridge No. 132 Repair (722006)	\$ 111,625	\$ 110,000	90% FEMA 5% State cost-share. ?Roads to Cost Share 2.5%? Assumes no bridge replacement requirement, and RF does work, not M&O
Devries Levee	\$ -	\$ 10,000	Design (in-house) and survey; SWIF project
SBR-3684 Timon		\$ 406,000	Anticipating 2024 activity instead of 2023
Transfer in from Jones	\$ -	\$ -	Anticipating 2024 activity instead of 2023
SBR-3685 Upper Hampton		\$ 222,000	Anticipating 2024 activity instead of 2023
Transfer in from Jones			Anticipating 2024 activity instead of 2023
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 2023
Reveg/misc supplies	\$ -	\$ 10,000	Increased to cover plant replacement costs for Deming and other past projects as needed
TOTAL	\$ 2,772,725	\$ 4,139,439	
NET IMPACT TO FUND BALANCE	\$ (1,366,714)		

Flood Control Zone District
2024 Flood Program Budget
Work Plan and Supporting Documentation

Flood Hazard Reduction (169114)	Proposed 2024 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 200,000	
Misc	\$ -		
SBR-3681 Buyout Program	\$ -	\$ -	USGS gage upgrades, storage study, appraisals in 2022; buyout in 2023
Transferred to 723002, 723003, 723004 to 3 new cost centers			
Swift Creek			
Bank stabilization/channel excavation	\$ -	\$ 131,226	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			
Walton Property Management	\$ 16,800	\$ -	Revenues are from lease
Leases for agriculture	\$ 6,900	\$ -	River Rd and Emmerson Rd properties
Other '19-21 FbD Early Action Projects (TBD):			22 is for appraisals and side channel; 23 Balance of task budget in 2019-21 FbD grant;
Everson side channel	\$ -	\$ -	
Appraisals	\$ -	\$ -	for HMGP fast-track properties, and state-funded purchases
21-23 FbD Early Actions:			
Mouw Ditch	\$ -	\$ -	Pass-thru funding from '21-23 FbD to Lynden; will CA if not spent out in '23
Reach 2 early actions	\$ 336,000	\$ 420,000	Projects TBD - may reallocate to Cougar Creek if needed
23-25 FbD Early Actions:	\$ 600,000	\$ 750,000	New grant - projects TBD
Floodplain acquisition			BA moved to project number
Continuing Appropriation for Arch Services	this needs journal entry to move to cc		Drayton archaeology
Moved to: 19-21 FbD Acquisitions			transferred to have trackable project number
19-21 FbD Acquisitions	\$ -	\$ -	
Commerce - acquisition - Transfer from 722002 for tracking	\$ 866,313	\$ 866,313	Acquisition portion of Commerce grant: '23: Tilton, Johnson and Lenz?
SBR SBR3929 - FEMA grant (COVID)	\$ 9,600,000	\$ 9,600,000	
Continuing Appropriation (CA)	\$ -	\$ 150,000	Tetratech contract balance
Marietta property acquisition & demo New properties	\$ -	\$ 50,000	Included in other acquisition line item for 2023
21-23 FbD acquisition	\$ 1,200,000	\$ 1,500,000	
23-25 FbD acquisition	\$ 3,200,000	\$ 4,000,000	
Ferndale Levee Improvement Project (719008)	\$ 344,000	\$ 430,000	2023 YE is CA + '23 amendment for 30-60%; 2024 budgeted amt is for amendment to 90% R&E contract balance; '19-21 FbD rev
CA			USACE refund
Lynden Levee Improvement Project (in conjunction with USACE rehab project) (718005)	\$ -	\$ -	
Abbott Levee Improvement (SWIF) (718010)	\$ 138,000	\$ 226,000	Assumes Roads pays 50%; Amended in 22 for phase 2, CA'd into 2023; need BA for balance
CA			NHC contract balance; rev from Roads
Cougar Creek Early Action Project Design (720010)	\$ -	\$ 67,500	2023 revenues are for design contract only. No grant identified for 2024 yet. Const. in 2025
CA			R&E contract balance; '19-21 FbD rev
SBR			
South Fork Fish Camp Project (72100x)			
Phase 1 design/construction	\$ 880,000	\$ 880,000	Pass-through 21-23 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		\$ 15,000	2022 cost for data collection and RFP; 2023 is data collection

Flood Control Zone District
 2024 Flood Program Budget
 Work Plan and Supporting Documentation

Jones Creek Deflection Berm (712004)			
Berm and bridge design	\$ 7,500	\$ 25,000	2022BA inc CA and \$75k supplement; design not under grant but rev are 30% from Roads Assumes Bassir in 2022 and Franklin in 23 Revenues: 20% Acme Water Dist for watermain, 20% Roads for road realignment work, 80% FbD
Land/easement acquisition	\$ 4,000	\$ 5,000	
Construction	\$ 18,000	\$ 20,000	
Transferred for capital program shortfall	\$ -	\$ -	Integrated into specific items above
High Creek Sediment Management			
Sediment trap maintenance (720005) CA	\$ -	\$ 100,000	
Glacier-Gallup Creek Alluvial Fan Restoration (718007)			
Outreach	\$ 34,400	\$ 43,000	CA'd into 23; BA for balance in 24 rev are '19 FbD
Preliminary design	\$ 432,000	\$ 540,000	New BA for 140K contract balance + contract for 30% design
Int Project construct - Transferred for anticipated project shortfall	\$ -	\$ -	
Land/easement acquisition	\$ 480,000	\$ 600,000	for project implementation
	\$ -	\$ -	
	\$ -	\$ -	
	\$ -	\$ -	
TOTAL	\$ 18,163,913	\$ 20,619,039	
NET IMPACT TO FUND BALANCE	\$ (2,455,126)		

Flood Control Zone District
 2024 Natural Resources Budget
 Work Plan and Supporting Documentation

Natural Resources (169119)	Proposed 2024 Budget		Assumptions/Notes	ASRs
	Revenues	Expenditures		
NATURAL RESOURCES ADMINISTRATION				
Staff		\$ 531,346	Includes salary for 4.5 FTEs and overtime.	
Office and operating		\$ 379,835		
TOTAL	\$ -	\$ 911,181		
NET IMPACT TO FUND BALANCE	\$ (911,181)			
TOTAL FOR COST CENTER	\$ -	\$ 911,181	ASR Subtotal Budget Code 119	\$ -
		\$ 911,181		
Aquatic Invasive Species (169120)				
Proposed 2024 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)	\$ -	\$ 170,826	Contribution to City for AIS Program;	
Enforcement	\$ 20,000	\$ 40,000	Interdepartmental Agreement with WCSO	
AIS online education program website maintenance	\$ -	\$ 20,000	Contracted services for online	
TOTAL	\$ 20,000	\$ 230,826		
NET IMPACT TO FUND BALANCE	\$ (210,826)			
TOTAL FOR COST CENTER	\$ 20,000	\$ 230,826	ASR Subtotal Budget Code 120	\$ -
		\$ 210,826		
Water Planning (169121)				
Proposed 2024 Budget				
	Revenues	Expenditures	Assumptions/Notes	
WATER PLANNING ADMINISTRATION				
Staff	\$ 6,432	\$ 154,390	Watershed Planner + LIO Labor	
Program Specialist		\$ 140,656	Property/Restoration Manager	
Office and operating		\$ 550		
TOTAL	\$ 6,432	\$ 295,596		
NET IMPACT TO FUND BALANCE	\$ (289,164)			
WATER PLANNING OPERATIONS				
Coordination and Planning				
Drainage-Based Management		\$ 50,000	Drainage-Based Management	
Watershed Planning Administrative Support		\$ 40,000	Watershed Planning Administrative Support	
Whatcom Groundwater Model		\$ 100,000	Whatcom Groundwater Model	
LIO administration	\$ 118,568	\$ 118,568	Administration of LIO process	
Stream Gauging		\$ 140,000	USGS Stream Monitoring/AESI GW Monitoring Contracts	
Water Settlement Initiative	\$ -	\$ -	Collaborative Process to Resolve Water Issues	\$ 750,000
Continuing Appropriations				
Domestic Water Use Efficiency Program		\$ -	Domestic Water Use Efficiency Program	\$ 35,000
TOTAL	\$ 118,568	\$ 448,568		
NET IMPACT TO FUND BALANCE	\$ (330,000)			
TOTAL FOR COST CENTER	\$ 125,000	\$ 744,164	ASR Subtotal Budget Code 121	\$ 785,000
		\$ 619,164		

Flood Control Zone District
 2024 Natural Resources Budget
 Work Plan and Supporting Documentation

Climate Action (169122)	Proposed 2024 Budget		Assumptions/Notes
	Revenues	Expenditures	
CLIMATE ACTION ADMINISTRATION			
Staff	\$ -	\$ -	
Office and operating	\$ -	\$ -	Misc. Expenses
TOTAL	\$ -	\$ -	
NET IMPACT TO FUND BALANCE	\$ -	\$ -	
CLIMATE ACTION OPERATIONS			
Coordination and Planning			
Climate Vulnerability Assessment	\$ -	\$ -	Climate Vulnerability Assessment
	\$ -	\$ -	Sea Level Rise \$50,000 supporting 2nd round of Shoreline Planning Competitive Grant
			\$ 50,000
Continuing Appropriation	\$ -	\$ -	
TOTAL	\$ -	\$ -	
NET IMPACT TO FUND BALANCE	\$ -	\$ -	
TOTAL FOR COST CENTER	\$ -	\$ -	ASR Subtotal Budget Code 122 \$ 50,000
		\$ -	
Marine Resource Committee (169123) - 813001			
Marine Resources Committee			
Staff	\$ 124,000	\$ 122,202	0.95 FTE
MRC restoration projects	\$ -	\$ 14,659	Expenses
TOTAL	\$ 124,000	\$ 136,861	
NET IMPACT TO FUND BALANCE	\$ (12,861)	\$ 136,861	
TOTAL FOR COST CENTER	\$ 124,000	\$ 136,861	ASR Subtotal Budget Code 123 \$ 77,081
		\$ 12,861	
Water Quality (169124) - 813002			
Water Quality/Pollution Identification & Correction			
Program Coordination	\$ 2,854	\$ 156,829	Program Coordination (1 FTE)
Water Quality Monitoring	\$ 7,000	\$ 289,534	Sampling personnel, lab contract, one vehicle, equipment (1 FTE + extra help)
Data Management	\$ 129,428	\$ 129,428	WCD Data Management
Technical Assistance	\$ 254,574	\$ 254,574	WCD Farm Planners
Community Outreach	\$ 62,810	\$ 247,465	Outreach staff, WCD staff, supplies
Incentives	\$ 45,000	\$ 66,000	OSS and small farm cost share
Compliance	\$ 113,545	\$ 113,545	PDS Staff
TOTAL	\$ 615,211	\$ 1,257,375	
NET IMPACT TO FUND BALANCE	\$ (642,164)	\$ 1,257,375	
TOTAL FOR COST CENTER	\$ 615,211	\$ 1,257,375	ASR Subtotal Budget Code 124 \$ -
		\$ 642,164	
Salmon Recovery (169125) - 823004			
Salmon Recovery			
Staff		\$ 257,240	1 FTE
Restoration effectiveness monitoring, adaptive management, and stewardship		\$ 72,630	WCC crew restoration activities
Maintaining existing restoration projects*		\$ 108,945	WCC crew contract for maintaining previously planted projects
New restoration projects*		\$ 30,000	Contracted services for activities supporting planting, fencing, culvert replacement, etc.
TOTAL	\$ -	\$ 468,815	
NET IMPACT TO FUND BALANCE	\$ (468,815)	\$ 468,815	
TOTAL FOR COST CENTER	\$ -	\$ 468,815	ASR Subtotal Budget Code 125 \$ -
		\$ 468,815	

*Integrated Salmon Recovery/Flood Hazard Reduction capital and planning projects appear under budget code 114 and 104.

Flood Control Zone District
 2024 Natural Resources Budget
 Work Plan and Supporting Documentation

Lake Whatcom (169126) - 823005	Proposed 2024 Budget		Assumptions/Notes
	Revenues	Expenditures	
Coordination and Planning			
Lake Whatcom Homeowner Incentive Program		\$ 62,249	Staff time only (0.5 FTE)
WSU Extension outreach services		\$ 25,000	
TOTAL	\$ -	\$ 87,249	
NET IMPACT TO FUND BALANCE	\$ (87,249)		
TOTAL FOR COST CENTER	\$ -	\$ 87,249	ASR Subtotal Budget Code 126 \$ -
			Net ASR Subtotal Budget Codes 119-126 \$ 912,081

**Lynden/Everson Subzone
2024 Budget
and Fund Balance Projections**

Fund balance as of December 31, 2022	\$170,373	(+)	(-)	Notes
2023 Estimated Revenues:				
Assessment				
Interest earnings/penalties	\$45,000			
	\$2,500			
2023 Estimated Expenditures:				
Levee vegetation maintenance				\$25,000 brushing, spraying and hydroseeding
Mole control/misc				\$0 ACOE deficiency
Alternative corrections crew labor				\$0 misc levee and mitigation
Address new ACOE deficiencies				\$0 new problems placeholder
ACOE Culvert Inspections				\$0 video/photos
Cost-share/repairs as needed				\$0 New damage
Coordination				\$5,000 staff time
	Total			
	Projected December 2023 fund balance			
	\$187,873			
2024 Revenues - Proposed Budget				
Assessment				
Interest earnings	\$45,000			4368.5000
	\$2,500			4361.1100
2024 Expenditures - Proposed Budget				
Levee vegetation maintenance				\$30,000 brushing, spraying and hydroseeding
Mole control/misc				\$2,500 ACOE deficiency
Alternative corrections crew labor				\$10,000 misc levee and mitigation maintenance
Address new ACOE deficiencies				\$6,000 new problems placeholder
ACOE Culvert Inspections				\$6,000 video/photos
Cost-share/repairs as needed				\$50,000 Timon & Upper Hampton cost Share
Coordination				\$10,000 staff time
	Total			
	Projected December 2024 fund balance			
	\$120,873			

**Sumas/Nooksak/Everson Subzone
2024 Budget
and Fund Balance Projections**

Fund balance as of December 31, 2022	\$1,538,923	(+)	(-)	Notes
2023 Estimated Revenues:				
Assessment		\$125,000		
Interest earnings		\$15,000		
2023 Estimated Expenditures:				
Levee vegetation maintenance				\$5,000 brushing, spraying and
Pump station electric charges				\$2,500 PSE
Mitigation monitoring and maintenance				\$1,000 supplies
Alternative corrections crew labor				\$0 misc maintenance
Coordination, TA & Project Mgmt.				\$5,000 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 Seattle increases
Cost-share/repairs as needed (new damage)				\$0 30% of \$500,000 project
Total		\$140,000		\$62,625
Projected December 2023 fund balance	\$1,616,298			
2024 Revenues - Proposed Budget				
Assessment		\$125,000		4368.5000
Interest earnings		\$15,000		4361.1100
2024 Expenditures - Proposed Budget				
Levee vegetation maintenance				\$6,000 brushing, spraying and hydroseed
Pump station electric charges				\$3,000 PSE
Mitigation monitoring and maintenance				\$2,000 supplies
Alternative corrections crew labor				\$5,000 misc maintenance
Coordination, TA & Project Mgmt.				\$5,000 staff costs
Transfer to Swift Creek project fund				\$56,240 150k Road fund, 105K FCZD fund also transferred for \$300k/yr subject to CPI-Urban Seattle increases
Cost-share/repairs as needed (new damage)				\$50,000 30% of \$500,000 project
Total		\$140,000		\$127,240
Projected December 2024 fund balance	\$1,629,058			

**Acme/Van Zandt Subzone
2024 Budget
and Fund Balance Projections**

Fund balance as of December 31, 2022	\$386,230	(+)	(-)	Notes
2023 Estimated Revenues:				
Assessment	\$24,196			
Interest earnings	\$2,000			
2023 Estimated Expenditures:				
Cost-share/repairs as needed				\$30,054 WWU study
M&O for Jones Creek stage/prec gage (9 month operation)				\$6,818 9 month operation with telemetry
Admin support for meetings/minutes				\$1,500
Total	\$26,196			\$38,372
Projected December 2023 fund balance	\$374,054			
2024 Revenues - Proposed Budget				
Assessment	\$24,196			4368.5000
Interest earnings	\$2,000			4361.1100
2024 Expenditures - Proposed Budget				
Contribution to Jones Creek deflection berm				\$20,000 8351.169
Contribution to Acme woody revetment design				\$4,300 8351.169
Cost-share/repairs as needed				\$30,000 30% of 100k project
M&O for Jones Creek stage/prec gage (9 month operation)				\$6,818 9 month operation with telemetry
Brushing and spraying of Jones berm				\$5,000
Admin support for meetings/minutes				\$1,500
Total	\$26,196			\$67,618
Projected December 2024 fund balance	\$332,632			

Exhibit A

**Samish Subzone
2024 Budget
and Fund Balance Projections**

Fund balance as of December 31, 2022	\$ 139,567	(+)	(-)	Notes
2023 Estimated Revenues:				
Assessment			\$22,092	2X June 23 YTD
Interest earnings			\$1,900	2X June 23 YTD
2023 Estimated Expenditures:				
Natural resource staff salaries, wages, benefits				\$6,394 2X June 23 YTD
Office & operating supplies				\$1,500 New timbers needed fall 2023
Repair & maintain weir & channel - contract services				\$5,700 No beaver trapping/reloc planned this year
Repairs & Maintenance - interfund				\$6,469 Will probably be less, but retain in case of issues
Permits				\$750 Permits current thru spring 2024; reapply fall 2023
			\$23,992	\$20,813
Total				
Projected Fund Balance December 31, 2023	\$142,746			
2024 Revenues - Proposed Budget				
Assessment			\$22,092	Assumes 2024 similar to 2023
Interest earnings			\$1,900	Assumes 2024 similar to 2023
2024 Expenditures - Proposed Budget				
(610) Natural resource staff salaries, wages, benefits				\$7,020 Increased 4% over 2023
(631) Office & operating supplies				\$1,500 Weir timber replacement, fabricate wedges, etc.
(661) Repair & maintain weir & channel - contract services				\$7,928 2023-2024 LOA amount with 4% cost increase for 2024-2025 LOA + \$2000 for beaver trapping/reloc.
(705) Repairs & Maintenance - interfund				\$6,728 Increased 4% over 2023
(719) Permits				\$750 Permits current thru spring 2024; reapply fall 2023
			\$23,992	\$23,926
Total				
Projected December 2024 fund balance	\$142,812			

Capital Improvement Projects

Object Code	Project/Program	2024	Notes
9259020001 Semiahmoo Drive Stormwater Improvements			
6630	PROFESSIONAL SERVICES	35,000	Design, archaeology, bid support
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	15,000	Construction contract, ROW
6699	OTHER SERVICES INTERFUND		Construction staking, as-built survey, permitting assistance, engineering oversight
7199	OTHER MISC INTERFUND		Permit expense
9259019002 Charel Terrace Bank Stabilization Study			
4333.8703	FEMA - Fed	-345,000	Revenue
4334.0181	FEMA - State	-57,500	Revenue
6630	PROFESSIONAL SERVICES	60,000	Herrera design contract. Received \$110k from FEMA, requires 12.5% match
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	400,000	Construction contract, ROW
6699	OTHER SERVICES INTERFUND		Construction staking, as-built survey, permitting assistance, engineering oversight
7199	OTHER MISC INTERFUND		Permit expense
9259020002 Holeman Avenue Stormwater Improvements			
6630	PROFESSIONAL SERVICES	65,000	Design, archaeology, bid support
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	700,000	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		Design, archaeology, bid support
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	20,000	Construction contract, ROW
6699	OTHER SERVICES INTERFUND		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	280,000	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
Net Expenditures		1,172,500	
Object Code Totals			
4333.8703	FEMA - Fed	-345,000	
4334.0181	FEMA - State	-57,500	
Total Revenues		-402,500	
6630	PROFESSIONAL SERVICES	440,000	
6699	OTHER SERVICES INTERFUND	0	
7199	OTHER MISC INTERFUND	0	
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	1,135,000	
Total Expenditures		1,575,000	

Whatcom County Flood Control Zone District
 Flood Capital Program
 2024

Department	Fund	Database ID No.	Project Title	Year	Cost	Fund #	Cost Center
Flood Capital Program							
Public Works	Flood Fund	20-001	Marine Drive Levee 2020 Damage Repair	2024	\$ 40,000	169	720004
Public Works	Flood Fund	20-003	Truck Road Flood Damage	2024	\$ 2,399,500	169	720008
Public Works	Flood Fund	22-001	Hudson Rd Bridge No. 132 Repair	2024	\$ 117,500	169	722006
Public Works	Flood Fund	22-002	Timon Levee USACE Rehab	2024	\$ 406,000	169	722001
Public Works	Flood Fund	22-004	Upper Hampton USACE Levee Rehab	2024	\$ 222,000	169	722008
Public Works	Flood Fund	16-008	Cougar Creek Early Action Project	2024	\$ 77,500	169	720010
Public Works	Flood Fund	16-007	Abbott Levee Protection and Improvement	2024	\$ 276,600	169	718010
Public Works	Flood Fund	23-005	Acme Woody Revetment Repair	2024	\$ 284,500	169	723008
Public Works	Flood Fund	07-104	Ferndale Levee Improvement	2024	\$ 480,000	169	719008
Public Works	Flood Fund	18-006	Glacier-Gallup Alluvial Fan Restoration	2024	\$ 1,183,000	169	718007
Public Works	Flood Fund	07-002	Marietta Acquisition	2024	\$ 55,000	169	709026
Public Works	Flood Fund	22-005	High Creek Sediment Trap	2024	\$ 115,000	169	720005
Public Works	Flood Fund	07-002	Buyout Program - Properties Identified in grant	2024	\$ 9,750,000	169	722002
Public Works	Flood Fund	07-002	21-23 FbD acquisition - Properties Identified in grant	2024	\$ 1,500,000	169	723011
Total					\$ 16,906,600		
Public Works	BBWARM	20-011	Charel Terrace Stormwater Outfall Improvements	2024	\$ 460,000	16925	9259019002
Public Works	BBWARM	07-242	Holeman Avenue Stormwater Improvements PW-1	2024	\$ 765,000	16925	9259020002
Public Works	BBWARM	18-009	Semiahmoo Drive Drainage Improvements	2024	\$ 50,000	16925	9259020001
Public Works	BBWARM	18-008	Lora Lane Drainage & Tide Gate Modification	2024	\$ 280,000	16925	9259019001
Total					\$ 1,555,000		