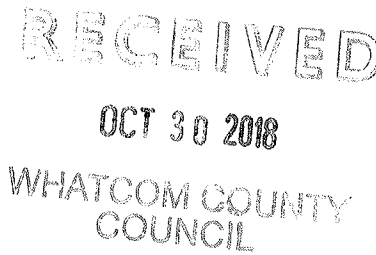


WHATCOM COUNTY COUNCIL AGENDA BILL

NO. 2018-316

CLEARANCES	Initial	Date	Date Received in Council Office	Agenda Date	Assigned to:
Originator:	RR	10/17/18		11/7/18	Introduction
Division Head:	ber	10/29/18		11/20/18	Hearing As WCFCZD
Dept. Head:	th	10/24/18			
Prosecutor:	CDQ	10/26/18			
Purchasing/Budget:	BIS	10/26/18			
Executive:	TPS	10/29/18			

TITLE OF DOCUMENT: A resolution adopting the 2019 budget of the Whatcom County Flood Control Zone District

ATTACHMENTS: Resolution to adopt the 2019 proposed budget, Exhibit A containing the 2019 budget work plan with capital projects listed, Exhibit B containing a 2019 list of capital budget appropriations.

SEPA review required? () Yes (x) NO SEPA review completed? () Yes (x) NO	Should Clerk schedule a hearing? (x) Yes () NO Requested Date: 11/20/18
---	---

SUMMARY STATEMENT OR LEGAL NOTICE LANGUAGE: (If this item is an ordinance or requires a public hearing, you must provide the language for use in the required public notice. Be specific and cite RCW or WCC as appropriate. Be clear in explaining the intent of the action.)

Resolution adopting the 2019 budget for the Whatcom County Flood Control Zone District.

COMMITTEE ACTION:	COUNCIL ACTION:

Related County Contract #:	Related File Numbers:	Ordinance or Resolution Number:

Please Note: Once adopted and signed, ordinances and resolutions are available for viewing and printing on the County's website at: <https://wa-whatcomcounty.civicplus.com/268/County-Council>.

WHATCOM COUNTY
PUBLIC WORKS DEPARTMENT

Jon Hutchings
DIRECTOR



Administration

Civic Center
322 N. Commercial Street, Suite 210
Bellingham, WA 98225-4042
Telephone: (360) 778-6217
www.whatcomcounty.us
JHutchings@co.whatcom.wa.us

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

THROUGH: Jon Hutchings, Public Works Director *JH*

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

DATE: October 17th, 2018

RE: 2019 Flood Control Zone District Budget

Enclosed is a resolution establishing the 2019 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 2019 budget for the County-wide District and the following subzones:

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

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. The 2019 proposed budget and associated work program were presented to the Board of Supervisors at the September 18th, 2018 Surface Water Work Session.

PROPOSED BY: Public Works

INTRODUCTION DATE: 11/07/2018

RESOLUTION NO. _____

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

**ADOPTING THE 2019 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 2019 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 2019 budget for the Flood Control Zone District Fund No. 169 in the amounts set forth in the document titled Whatcom County 2019 Budget and as modified and presented below and in Exhibit A:

OVERALL BUDGET SUMMARY

Budget Code	Program	RCW Appropriation Item	2019 Budget	
			Revenues	Expenditures
169100	Administration	Overhead & administration	\$4,980,712	\$751,841
169119	Natural Resources Administration	Overhead & administration	-	585,933
169120	AIS Administration	Overhead & administration	-	-
169121	Water Planning Administration	Overhead & administration	56,265	113,079
169100	Stormwater Administration (Transfer)	Overhead & administration	-	422,997
169102	Flood Response	Maintenance & operations	-	110,000
169104	Flood Planning	Maintenance & operations	350,000	820,000
169106	Technical Assistance	Maintenance & operations	-	75,000
169108	NFIP and CRS	Maintenance & operations	16,000	175,000
169110	Early Warning	Maintenance & operations	4,225	131,000
169119	Natural Resources Operations	Maintenance & operations	582,500	1,356,722
169120	AIS Operations	Maintenance & operations	-	131,750
169121	Water Planning Operations	Maintenance & operations	75,000	267,950
169100	Stormwater Lake Whatcom Operations (Transfer)	Maintenance & operations	-	836,000
169700	Stormwater NPDES Phase II	Maintenance & operations	-	187,480
169100	Stormwater Lake Whatcom Capital (Transfer)	Construction & improvements	-	-
169112	Repair and Maintenance	Construction & improvements	730,600	2,184,439
169114	Flood Hazard Reduction	Construction & improvements	633,830	1,672,200
Total 2019 FCZD Budget			\$7,429,132	\$9,821,390
			\$(2,392,258)	

Code	Program		Revenues	Expenditures
16923	Acme/VanZandt Subzone	Overhead & administration	-	\$500
16925	Birch Bay Subzone	Overhead & administration	-	233,638
16921	Lynden/Everson Subzone	Maintenance & operations	39,712	41,000
16922	Sumas/Nooksack/Everson Subzone	Maintenance & operations	123,825	20,000
16923	Acme/VanZandt Subzone	Maintenance & operations	25,440	6,315
16924	Samish Watershed Subzone	Maintenance & operations	21,620	16,250
16925	Birch Bay Subzone	Maintenance & operations	774,052	95,200
16921	Lynden/Everson Subzone	Construction & improvements	-	54,600
16922	Sumas/Nooksack/Everson Subzone	Construction & improvements	-	195,000
16923	Acme/VanZandt Subzone	Construction & improvements	-	30,000
16925	Birch Bay Subzone	Construction & improvements	-	1,048,000
			\$984,649	\$1,740,503
Total of 2019 FCZD Sub-Zone Budgets			\$(755,854)	

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 _____, 2018.


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

ATTEST:

Dana Brown-Davis, Clerk of the Council

Rud Browne, Chair of the Council

APPROVED AS TO FORM:

 10/24/18
Civil Deputy Prosecutor

**Flood Control Zone District
2019 Budget
Work Plan and Supporting Documentation**

Exhibit A

DETAIL FOR FCZD PROGRAM AREAS

FLOOD MAINTENANCE AND OPERATIONS

	Proposed 2019 Budget		Assumptions/Notes
	Revenues	Expenditures	
Flood Response (169102)			
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)		2018 YE projection assumes fall flood
Flood Planning (169104)			
Lower Nooksack			
Wage and Benefits		\$ 150,000	
CFHMP refinement/update			Formal process started in late 2016
Facilitation		\$ 15,000	2018 budget for projected contract balance; CA into 2019 plus new budget for amendment if needed
Hydraulic modeling/alternatives analyses		\$ 150,000	Contracted in 2017; CA into 2018; new BA for 2019
Engineering design / Plan development	\$ 200,000	\$ 200,000	Contract consultant in 2017 for initial phase and supplement in 2018 as work is better defined; Revenues are NEP funding
Structure surveys in overflow corridors	\$ 150,000	\$ 150,000	Likely 2019 til field effort defined; Revenues are NEP funding
Geomorphic reach analyses		\$ 50,000	Amendment in 2019 for assistance to reach teams
Sediment management		\$ -	USGS cost-share; 2017 expenditures include 2016 charges billed late; contract ends in 2018
Habitat assessment		\$ 60,000	Contracted in 2017 and will CA into 2018; revenues from SRFB grant
Flood event mapping		\$ 20,000	\$6600 for 2017 contract; 2018 contract will CA into 2019
Reach 1 Sediment			NEP-funded USGS Study; contract in 2018 and CA into 2019
High water mark survey		\$ 25,000	Assumes flood each year
TOTAL	\$ 350,000	\$ 820,000	2018 Supp. Budget is \$72730 less than JDE due to miscode on USGS CA for gaging under 169110
NET IMPACT TO FUND BALANCE	\$ (470,000)		
Technical Assistance (169106)			
Wage and Benefits		\$ 75,000	
Postage for Special District reassessments		\$ -	CDID#5 to be updated in 2018 now that parcel coverage improved
TOTAL	\$ -	\$ 75,000	
NET IMPACT TO FUND BALANCE	\$ (75,000)		
National Flood Insurance Prgm (169108)			
Wage and Benefits		\$ 150,000	
FEMA Floodplain mapping		\$ 10,000	New mapping in 2018 - expenditures for public meeting notice in 2019
Permit reviews	\$ 16,000	\$ 15,000	Flood permit fees
Public education/CRS activities			CRS mailings
TOTAL	\$ 16,000	\$ 175,000	
NET IMPACT TO FUND BALANCE	\$ (159,000)		
Early Warning System (169110)			
Wage and Benefits		\$ 5,000	
Nooksack River gages - USGS		\$ 96,500	2018 exp includes CA from 2017 plus 2018 contract; 2017 CA of \$72,731 miscoded to 169104 in JDE; 3% cost increase per yr
Everson MainSt stage gage _ USGS	\$ 4,225		Canadians reimburse cost to maintain gage; AVZ pays for Jones gage directly
SNOTEL sites - USDA		\$ -	2017 was last year of 5-year contract; Feds to pay in future
WWU camera on Swift Creek slide		\$ 2,500	2017 contract for 5-year duration at \$2500/yr; CA's of \$3730
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	\$ 4,225	\$ 131,000	
NET IMPACT TO FUND BALANCE	\$ (126,775)		

**Flood Control Zone District
2019 Budget
Work Plan and Supporting Documentation**

Exhibit A

FLOOD CONSTRUCTION AND IMPROVEMENTS

Repair and Maintenance (169112)	Proposed 2019 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits	\$	110,000	
Construction Projects			
Emergency/new projects as needed	\$ 50,000	\$ 350,000	Assumed costs for responding to flood/new repairs (fall 2018 flood assumed); increased due to cost of recent emergencies
Miscellaneous repair projects	\$	50,000	Placeholder for small projects; fall 2018 flood assumed
Marine Drive Levee Repair	\$	5,000	Revenues from WDFW; \$100,000 reappropriated from High Cr
Truck Road Emergency Bank Protection	\$	25,000	50/50 cost-share with Roads; budget from emergency allocation - replenished by supplement; \$50,000 for 2019 assumed mitigation
Red River Levee Stabilization (SWIF)	\$ 63,000	\$ 200,000	Survey and permit fees in 2018; in-house design; construction in 2019; assumes 30% cost-share from DD#1 or others
Hannegan Levee Rehabilitation (USACE)	\$ 27,600	\$ 92,000	PIR local sponsor share is \$90,620 plus title reports; revenues from LE Subzone
Abbott Levee Erosion Protection	\$ 570,000	\$ 1,100,000	Assumes Roads pays 50% and LE pays \$20,000 (2%) due to declining fund balance
Sande-Williams Levee Rehabilitation	\$ 20,000	\$ 100,000	USACE cost-share split 80/20 between FCZD and DD#2
Mitigation Planning/Implementation			
Jail crew	\$	117,439	Jail crew labor for FCZD and SWIF projects; available to diking or subzones
Reveg planning/coordination	\$	25,000	2017 contract with CD, CA into 2018; new contract in 2019
Reveg/misc supplies	\$	10,000	Increased to cover plant replacement costs for Deming and other past projects as needed
TOTAL	\$ 730,600	\$ 2,184,439	2018 supp budget inc \$100,000 from High Crk
NET IMPACT TO FUND BALANCE	\$ (1,453,839)		

Flood Hazard Reduction (169114)

Flood Hazard Reduction (169114)	Proposed 2019 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits	\$	190,000	
Swift Creek			
Bank stabilization/channel excavation	\$	105,000	SNE cost-share; 2018 YE assumes Roads pays 50% of \$250k project; 2019 is transfer to new Swift Creek fund
Lower Nooksack River			
Deming levee improvement constr. (708004)	\$	-	Planting in 2018; CA for plants \$3314; 2019 maint under 112
Marietta property acquisition & demo (FEMA FMAG-716002)	\$ 330,050	\$ 377,200	Boyd and Allen in 2017; Turk appraisals and title work in 2018 with acquisition in 2019; revenues are FEMA grant
Marietta property acquisition & demo New properties	\$	50,000	Allocation for new properties that become available and non-grant expenses; increased allocation as mitigation for Marine Drive Levee
Leases for agriculture	\$ 3,780		River Rd and Emmerson Rd properties
Floodplain acquisition	\$ 300,000	\$ 300,000	Budget was from plant materials CA; option agreement would need to be extended for next round of Floodplains by Design funding; 2019 is for Reach 1 property with USFS funding thru WDFW
Ferndale Levee Improvement Project Phase 1	\$	200,000	Survey, hydraulic analysis, alternatives analysis, conceptual design in 2018/19; supplement if FbD grant awarded in 2019
Lynden Levee Improvement Project (in conjunction with USACE rehab project)	\$	40,000	USACE rehab in 2020 to include culvert replacement; survey, hydraulics, wetland/permitting for channel relocation by FCZD
Rayhorst Levee Improvements	\$	60,000	Design, permit and construct project to widen and backslope levee
Jones Creek Deflection Berm (712004)			
Survey			Survey and base mapping for design
Berm and bridge design	\$	75,000	Contract in 2018 and CA into 2019
Land/easement acquisition	\$	125,000	Purchase of parcels/easements for berm/road construction; 2018 inc. CA for appraisal; 2019 exp for appraisals/relocation asst
Construction			Construction budget to be established once design is further along
High Creek Sediment Management			
Sediment trap/channel improvement design			WSE design / construction support, 2018 CA and amendment
Sediment trap/channel imp. construction			\$100,000 reallocated to Marine Drive (169112); \$70,000 reallocated for land; \$2k CA for appraisal
Easements			Construction funding reallocated for easements; used some of Jones land budget too
Sediment trap maintenance	\$	50,000	Includes funds for WSE to evaluate performance
Glacier-Gallup Creek Alluvial Fan Restoration			
Feasibility study/concept design	\$	100,000	Supplement 2019 budget if FbD grant awarded
Preliminary design			
City of Lynden - Pepin Creek			
Funding for downstream analysis	\$	-	ILA executed in 2016 and CA'd into 2017 for reimbursement of City's expenses; new 2018 budget for balance, may CA into 2019
TOTAL	\$ 633,830	\$ 1,672,200	
NET IMPACT TO FUND BALANCE	\$ (1,038,370)		

Flood Control Zone District
2019 Natural Resources Budget
Work Plan and Supporting Documentation

Exhibit A

Natural Resources (169119)	Proposed 2019 Budget		Assumptions/Notes
	Revenues	Expenditures	
NATURAL RESOURCES ADMINISTRATION			
Staff		\$ 306,306	Includes salary for 2.5 FTEs and overtime.
Office and operating		\$ 279,627	
TOTAL	\$ -	\$ 585,933	
NET IMPACT TO FUND BALANCE	\$ (585,933)		
NATURAL RESOURCES OPERATIONS			
Salmon Recovery			
Staff		\$ 127,035	1 FTE
Restoration effectiveness monitoring, adaptive management, and stewardship		\$ 51,000	Includes \$51,000 for WCC crew, plant survival surveys, spraying noxious weeds, and plant materials for replacement of failing plants at restoration projects
Maintaining existing restoration projects*		\$ 32,250	WCC crew contract for maintaining previously planted projects
New restoration projects*		\$ 30,000	Contracted services for activities supporting planting, fencing, culvert replacement, etc.
Marine Resources Committee			
Staff	\$ 66,294	\$ 66,393	0.7 FTE
MRC restoration projects	\$ 8,706	\$ 8,607	MRC grant funding minus labor
Water Quality/Pollution Identification & Correction			
Program Coordination		\$ 127,035	Program Coordinator (1 FTE)
Water Quality Monitoring		\$ 263,229	Sampling personnel, lab contract, vehicles, equipment (1.25 FTE + extra help)
Data Management	\$ 100,800	\$ 100,800	WCD Data Manager
Technical Assistance	\$ 206,400	\$ 206,400	WCD Farm Planners
Community Outreach	\$ 94,497	\$ 135,439	Outreach staff, WCD staff, supplies
Incentives	\$ 22,000	\$ 43,000	OSS and small farm cost share
Compliance	\$ 83,803	\$ 83,803	PDS Staff
Coordination and Planning			
Lake Whatcom Homeowner Incentive Program		\$ 56,731	Staff time only (0.5 FTE); contracted services under Stormwater budget
WSU Extension outreach services		\$ 25,000	
TOTAL	\$ 582,500	\$ 1,356,722	
NET IMPACT TO FUND BALANCE	\$ (774,222)		
TOTAL FOR COST CENTER	\$ 582,500	\$ 1,942,654	
		\$ 1,360,154	
*Integrated Salmon Recovery/Flood Hazard Reduction capital and planning projects appear under Cost Center 169114 and 169104.			
Acquatic Invasive Species (169120)			
Proposed 2019 Budget			
	Revenues	Expenditures	Assumptions/Notes
AIS ADMINISTRATION			
Staff	\$ -	\$ -	Misc. Expenses
Office and operating		\$ -	
TOTAL	\$ -	\$ -	
NET IMPACT TO FUND BALANCE	\$ -		
AIS OPERATIONS			
Coordination and Planning			
Education and Inspection			Contribution to City for AIS Program; includes COB program cost increase
Interlocal Agreement (COB)	\$ -	\$ 123,000	
AIS online education program website maintenance	\$ -	\$ 8,750	Contracted services for online course/website support
TOTAL	\$ -	\$ 131,750	
NET IMPACT TO FUND BALANCE	\$ (131,750)		
TOTAL FOR COST CENTER	\$ -	\$ 131,750	
	\$ -	\$ 131,750	

Flood Control Zone District
 2019 Natural Resources Budget
 Work Plan and Supporting Documentation

Exhibit A

Water Planning (169121)	Proposed 2019 Budget		Assumptions/Notes
	Revenues	Expenditures	
WATER PLANNING ADMINISTRATION			
Staff	\$ 56,265	\$ 112,529	Hydrogeologist
Office and operating		\$ 550	
TOTAL	\$ 56,265	\$ 113,079	
NET IMPACT TO FUND BALANCE	\$ (56,814)		
WATER PLANNING OPERATIONS			
Coordination and Planning			
Hirst Response/Watershed Planning	\$ -	\$ 200,000	Consultants
LENS Groundwater Model	\$ -	\$ -	\$336,526 Professional services contract
LIO administration	\$ 75,000	\$ 67,950	Administration of LIO process
Stream Gauging			USGS Stream Monitoring/AESI GW Monitoring Contracts
TOTAL	\$ 75,000	\$ 267,950	
NET IMPACT TO FUND BALANCE	\$ (192,950)		
TOTAL FOR COST CENTER	\$ 131,265	\$ 381,029	
		\$ 249,764	

**Lynden/Everson Subzone
2019 Budget
and Fund Balance Projections**

Exhibit A

Fund balance as of December 31, 2017	\$219,987	(+)	(-)	Notes
2018 Estimated Revenues:				
Assessment	\$37,712			
Interest earnings/penalties	\$2,065			
2018 Estimated Expenditures:				
Levee vegetation maintenance			\$20,000	brushing, spraying and hydroseed
Mole control			\$5,000	ACOE deficiency
Alternative corrections crew labor			\$15,000	misc levee and mitigation maintenance
Tree removal			\$25,000	ACOE deficiency
Mitigation plan implementation			\$5,740	plants for tree removal mitigation
Pipe inspections (1 pipe)			\$2,000	ACOE deficiency
Coordination			\$5,000	
Total	\$39,777		\$77,740	
Projected December 2018 fund balance	\$182,024			
2019 Revenues - Proposed Budget				
Assessment	\$37,712			
Interest earnings	\$2,000			
2019 Expenditures - Proposed Budget				
Levee vegetation maintenance			\$25,000	brushing, spraying and hydroseed
Mole control			\$6,000	ACOE deficiency
Alternative corrections crew labor			\$10,000	misc levee and mitigation maintenance
Address new ACOE deficiencies			\$0	retaining walls/new problems
Hannegan Levee Rehabilitation (USACE)			\$27,600	6% of total project cost
Abbott Levee Erosion Protection			\$20,000	50% Road fund, 42.5% FCZD, 7.5% LE
Cost-share/repairs as needed			\$0	
Coordination			\$7,000	
Total	\$39,712		\$95,600	
Projected December 2019 fund balance	\$126,136			

**Sumas/Nooksack/Everson Subzone
2019 Budget
and Fund Balance Projections**

Exhibit A

Fund balance as of December 31, 2017	\$1,226,618	(+)	(-)	Subtotal	Notes
2018 Estimated Revenues:				\$123,825	
Assessment		\$113,825			
Interest earnings		\$10,000			
2018 Estimated Expenditures:				\$51,800	
Levee vegetation maintenance			\$4,300		brushing and spraying
Mitigation monitoring and maintenance			\$5,000		crew and supplies
Alternative corrections crew labor			\$5,000		misc maintenance
Cost-share for 2018 Swift Creek project			\$37,500		30% of 125,000; assumes 50/50 cost-share with Roads for 250k
	Total		\$123,825	\$51,800	
Projected December 2018 fund balance	\$1,298,643				
2019 Revenues - Proposed Budget				\$123,825	
Assessment		\$113,825			
Interest earnings		\$10,000			
2019 Expenditures - Proposed Budget				\$215,000	
Levee vegetation maintenance			\$5,000		brushing, spraying and hydroseed
Fuel			\$5,000		Fuel for pumps
Mitigation monitoring and maintenance			\$5,000		crew and supplies
Alternative corrections crew labor			\$5,000		misc maintenance
Transfer to Swift Creek project fund			\$45,000		150k Road fund, 105K FCZD fund also transferred for \$300k/yr
Cost-share/repairs as needed (new damage)			\$150,000		30% of \$500,000 project
	Total		\$123,825	\$215,000	
Projected December 2019 fund balance	\$1,207,468				

**Acme/Van Zandt Subzone
2019 Budget
and Fund Balance Projections**

Exhibit A

Fund balance as of December 31, 2017	\$302,795	(+)	(-)	Subtotal Notes
2018 Estimated Revenues:				\$25,666
Assessment	\$22,940			
Interest earnings	\$2,726			
2018 Estimated Expenditures:				\$21,435
Cost-share/repairs as needed			\$15,000	30% of 50k project
M&O for Jones Creek stage/prec gage			\$6,135	9 month operation with telemetry
Admin support for meetings/minutes			\$300	
Total	\$25,666		\$21,435	
Projected December 2018 fund balance	\$307,026			
2019 Revenues - Proposed Budget				\$25,440
Assessment	\$22,940			
Interest earnings	\$2,500			
2019 Expenditures - Proposed Budget				\$36,815
Cost-share/repairs as needed			\$30,000	30% of 100k project
M&O for Jones Creek stage/prec gage (9 month operation)			\$6,315	9 month operation with telemetry
Admin support for meetings/minutes			\$500	
Total	\$25,440		\$36,815	
Projected December 2019 fund balance	\$295,651			

**Samish Watershed Subzone
2019 Proposed Budget
and Fund Balance Projections**

Exhibit A

Fund balance as of December 31, 2017	\$112,866	(+)	(-)	Subtotal Notes
2018 Estimated Revenues:				\$21,620
Assessment	\$21,010			
Interest earnings	\$610			
2018 Estimated Expenditures:				\$13,750
Natural resource staff salaries, wages, benefits			\$3,850	
Office & operating supplies			\$150	
Repair & maintain weir & channel - contract services			\$3,500	
Repairs & Maintenance - interfund			\$5,500	
Permits			\$750	
Total	\$21,620		\$13,750	
Projected Fund Balance December 31, 2018	\$120,736			
2019 Revenues - Proposed Budget				\$21,620
Assessment	\$21,010			
Interest earnings	\$610			
2019 Expenditures - Proposed Budget				\$16,250
Natural resource staff salaries, wages, benefits			\$4,750	
Office & operating supplies			\$750	
Repair & maintain weir & channel - contract services			\$4,500	
Repairs & Maintenance - interfund			\$5,500	
Permits			\$750	
Total	\$21,620		\$16,250	
Projected December 2019 fund balance	\$126,106			

Birch Bay Subzone
2019 Budget

Exhibit A

Object Account	Administration/ Personnel	Program Development & Management	Capital Improvement Projects	Maintenance & Small Works	Water Quality Monitoring	Education & Outreach	Habitat Improvement	Total	Overhead/ Admin	2019 Break Out	
	2019	2019	2019	2019	2019	2019	2019	2019	A	M&O O	Construction C
Salaries & Wages	56,935							56,935			
Extra Help	23,500							23,500			
Overtime	4,000							4,000			
Benefits	44,474							44,474			
Total Salaries & Benefits	128,909							128,909	128,909		
Unrealized Gain (Loss)	0							0			
Office & Operating Supplies	1,000					4,800	15,000	20,800	5,800		15,000
Office & Oper. Supplies-Interfund	200							200	200		
Printing						3,000		3,000		3,000	
Books/Publications/Subscrip.	200							200	200		
Tools & Equipment					100			100		100	
Software	1,500							1,500	1,500		
Contractual Services					12,500			12,500		12,500	
Professional Services	15,000	10,000	129,000	20,000		1,500		175,500		26,500	149,000
Building Maintenance	1,181							1,181	1,181		
Construction Contracts								0			
Other Services-Interfund			97,000	12,000				109,000	0		109,000
Postage/Shipping/Freight	500							3,500		3,500	
Postage-Interfund	100							100		100	
Telephone	840							840	840		
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						1,250	1,250		
Space Rental-Interfund	1,500					250		1,500	1,500		
Insurance Premium - Interfund	641							641	641		
Repairs & Maintenance				18,000				18,000		18,000	
Repairs & Maintenance - Interfund				10,000				10,000		10,000	
Registration/Tuition	2,100							2,100	2,100		
Meeting Refreshments		300						500		500	
Administrative Cost Allocation	13,034							13,034	13,034		
Other Miscellaneous								0			
Other Miscellaneous-Interfund				0	2,000			2,000			2,000
Intergov. Professional Services						20,000		20,000		20,000	
Capital Outlays - Other Improvements			755,000	18,000				773,000			773,000
Operating Transfer Out - Gen Fd	18,378							18,378	18,378		
Operating Transfer Out - Strm BBWARM	55,605							55,605	55,605		
Total Expenditures	243,388	11,300	981,000	80,000	12,600	33,550	15,000	1,376,838	233,638	95,200	1,048,000
											1,376,838

Capital Improvement Projects

Object Code	Project/Program	2019
North Cottonwood Neighborhood Stormwater Improvements (Hazel)		
6630	PROFESSIONAL SERVICES	
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	
6699	OTHER SERVICES INTERFUND	1,500
7199	OTHER MISC INTERFUND	
Birch Bay Drive/Petticote Lane Drainage Improvements (PW-2 & 3)		
6630	PROFESSIONAL SERVICES	47,500
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	755,000
6699	OTHER SERVICES INTERFUND	75,000
7199	OTHER MISC INTERFUND	
Harborview Road Combined Drainage Imprv Phase I		
6630	PROFESSIONAL SERVICES	30,000
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	
6699	OTHER SERVICES INTERFUND	6,000
7199	OTHER MISC INTERFUND	
Lora Lane Tide Gate Modifications		
6630	PROFESSIONAL SERVICES	51,500
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	
6699	OTHER SERVICES INTERFUND	14,500
7199	OTHER MISC INTERFUND	
Total Expenditures		981,000
Object Code Totals		
6630	PROFESSIONAL SERVICES	129,000
6699	OTHER SERVICES INTERFUND	97,000
7199	OTHER MISC INTERFUND	0
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	755,000
Total Expenditures		981,000

Exhibit B
 Whatcom County Flood Control Zone District
 Flood Capital Program
 2019

Department	Fund	Database ID No.	Project Title	Year	Cost
Flood Capital Program					
Public Works	Flood Fund	07-002	Marietta Acquisition	2019	\$ 452,000
Public Works	Flood Fund	18-002	Truck Road Emergency Erosion Protection	2019	\$ 35,000
Public Works	Flood Fund	15-004	Marine Drive Levee Repair	2019	\$ 5,000
Public Works	Flood Fund	07-125	High Creek	2019	\$ 60,000
Public Works	Flood Fund	18-003	Hannegan Levee Rehabilitation (USACE)	2019	\$ 97,000
Public Works	Flood Fund	18-004	Sande-Williams (DD#2/USACE)	2019	\$ 100,000
Public Works	Flood Fund	18-005	Abbott Levee Erosion Protection	2019	\$ 1,135,000
Public Works	Flood Fund	16-001	Rayhorst Levee Improvements	2019	\$ 85,000
Public Works	Flood Fund	16-004	Red River Levee Stabilization	2019	\$ 235,000
Public Works	Flood Fund	16-002	Twin View Levee Improvements	2019	\$ 5,000
Public Works	Flood Fund	16-003	Lynden Levee Improvement	2019	\$ 80,000
Public Works	Flood Fund	07-002	Floodplain Acquisition	2019	\$ 300,000
Public Works	Flood Fund	07-105	Jones Creek Debris Flow Protection	2019	\$ 230,000
Public Works	Flood Fund	07-104	Ferndale Levee Improvement	2019	\$ 225,000
Public Works	Flood Fund	18-006	Glacier-Gallup Alluvial Fan Restoration	2019	\$ 130,000
Total					\$ 3,174,000
Public Works	BBWARM	07-242	Birch Bay Drive/Petticote Lane Drainage Improvements (PW-2 & 3)	2019	\$ 877,500
Public Works	BBWARM	07-217	Harborview Road Drainage Improvements P1	2019	\$ 36,000
Public Works	BBWARM	18-008	Lora Lane Drainage & Tide Gate Modifications (TC1-2)	2019	\$ 66,000
Total					\$ 979,500