



# Whatcom County

COUNTY COURTHOUSE  
311 Grand Avenue, Ste #105  
Bellingham, WA 98225-4038  
(360) 778-5010

## Agenda Bill Master Report

File Number: AB2019-557

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<b>File ID:</b>	AB2019-557	<b>Version:</b>	1	<b>Status:</b>	Approved
<b>File Created:</b>	10/23/2019	<b>Entered by:</b>	LCumming@co.whatcom.wa.us		
<b>Department:</b>	Public Works Department	<b>File Type:</b>	Resolution (FCZDBS) Requiring a Public Hearing		
<b>Assigned to:</b>	Council	<b>Final Action:</b>	11/19/2019		
<b>Agenda Date:</b>	11/19/2019	<b>Enactment #:</b>	RES 2019-057		

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

### TITLE FOR AGENDA ITEM:

Resolution adopting the 2020 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:

See memo

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### HISTORY OF LEGISLATIVE FILE

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<b>Date:</b>	<b>Acting Body:</b>	<b>Action:</b>	<b>Sent To:</b>
11/06/2019	Council	INTRODUCED FOR PUBLIC HEARING	Council
		Aye: 7 Brenner, Browne, Buchanan, Byrd, Donovan, Frazey, and Sidhu	
		Nay: 0	
		Absent: 0	
11/19/2019	Council	APPROVED	
		Aye: 6 Brenner, Browne, Byrd, Donovan, Frazey, and Sidhu	
		Nay: 0	
		Absent: 1 Buchanan	

PROPOSED BY: Public Works

INTRODUCTION DATE: 11/06/2019

RESOLUTION NO. 2019-057

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

**ADOPTING THE 2020 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 2020 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 2020 budget for the Flood Control Zone District Fund No. 169 in the amounts set forth in the document titled Whatcom County 2020 Budget and as modified and presented below and in Exhibit A:

**OVERALL BUDGET SUMMARY**


Budget Code	Program	RCW Appropriation Item	2020 Budget	
			Revenues	Expenditures
169100	Administration	Overhead & administration	\$5,080,692	\$846,279
169119	Natural Resources Administration	Overhead & administration	-	615,958
169120	AIS Administration	Overhead & administration	-	-
169121	Water Planning Administration	Overhead & administration	-	111,436
169100	Stormwater Administration (Transfer)	Overhead & administration	-	447,843
169102	Flood Response	Maintenance & operations	-	110,000
169104	Flood Planning	Maintenance & operations	380,000	925,000
169106	Technical Assistance	Maintenance & operations	-	76,000
169108	NFIP and CRS	Maintenance & operations	16,000	177,000
169110	Early Warning	Maintenance & operations	4,400	135,000
169119	Natural Resources Operations	Maintenance & operations	591,500	1,492,013
169120	AIS Operations	Maintenance & operations	-	141,590
169121	Water Planning Operations	Maintenance & operations	67,950	372,950
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	292,000	1,120,439
169114	Flood Hazard Reduction	Construction & improvements	2,408,340	3,704,640
			<u>\$8,840,882</u>	<u>\$11,299,628</u>
<b>Total 2020 FCZD Budget</b>			<b><u>\$(2,458,746)</u></b>	

Code	Program		Revenues	Expenditures
16923	Acme/VanZandt Subzone	Overhead & administration	-	\$1,500
16925	Birch Bay Subzone	Overhead & administration	-	384,351
16921	Lynden/Everson Subzone	Maintenance & operations	42,489	40,000
16922	Sumas/Nooksack/Everson Subzone	Maintenance & operations	135,790	19,000
16923	Acme/VanZandt Subzone	Maintenance & operations	27,167	6,501
16924	Samish Watershed Subzone	Maintenance & operations	22,210	19,950
16925	Birch Bay Subzone	Maintenance & operations	798,500	96,700
16921	Lynden/Everson Subzone	Construction & improvements	-	82,000
16922	Sumas/Nooksack/Everson Subzone	Construction & improvements	-	195,000
16923	Acme/VanZandt Subzone	Construction & improvements	-	30,000
16925	Birch Bay Subzone	Construction & improvements	-	1,578,000
			<u>\$1,026,156</u>	<u>\$2,453,002</u>
<b>Total of 2020 FCZD Sub-Zone Budgets</b>			<b><u>\$(1,426,845)</u></b>	

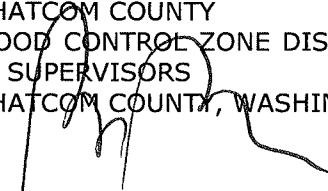
Section II. Provisions Restricting Expenditures, Authorizing Actions, and Setting Expectations.

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 19th day of November, 2019.

The seal of the Whatcom County Council is circular with a double border. The outer border contains the text "WHATCOM COUNTY WASHINGTON" at the top and "CITY COUNCIL" at the bottom. The inner border contains "WHATCOM COUNTY" at the top and "WASHN" at the bottom. In the center, the word "ATTEST" is written. A signature is written over the seal.  
Dana Brown-Davis, Clerk of the Council

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

  
Rud Browne, Chair of the Council

APPROVED AS TO FORM:


  
Civil Deputy Prosecutor

Exhibit A  
Flood Control Zone District  
2020 Budget  
Work Plan and Supporting Documentation

**DETAIL FOR FCZD PROGRAM AREAS**

**FLOOD MAINTENANCE AND OPERATIONS**

Flood Response (169102)	Proposed 2020 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
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 110,000</b>	Budget based on 2009 flood with cost & wage increases
<b>NET IMPACT TO FUND BALANCE</b>	<b>\$ (110,000)</b>		<b>2019 YE projection assumes fall flood</b>

Flood Planning (169104)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
<b>Lower Nooksack</b>			
Wage and Benefits		\$ 150,000	
CFHMP refinement/update			
Facilitation		\$ 50,000	New budget authority in 2020 for unspent balance and amendment
Hydraulic modeling/alternatives analyses		\$ 100,000	2019 PO's \$60k WSE; 44k LandC
FLIP process support/Engineering design/Plan	\$ 155,000	\$ 175,000	CA into 2019 of 107k; Revenues are NEP funding
Structure surveys in overflow corridors	\$ 75,000	\$ 75,000	2019 til effort defined; Revenues are NEP funding
Geomorphic reach analyses		\$ -	2019 PO to finish contract
Sediment management		\$ 200,000	2020 contract for USGS ongoing investigation
Habitat assessment		\$ -	2019 PO + 22k CA to spend contract balance; revenues are SRFB
Flood event mapping		\$ -	
Reach 1 Sediment	\$ 150,000	\$ 150,000	NEP-funded USGS Study; CA'd into 2019, 2020 BA for balance
High water mark survey		\$ 25,000	Assumes flood each year
<b>TOTAL</b>	<b>\$ 380,000</b>	<b>\$ 925,000</b>	
<b>NET IMPACT TO FUND BALANCE</b>	<b>\$ (545,000)</b>		

Technical Assistance (169106)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 75,000	
Postage for Special District reassessments		\$ 1,000	CDID#5 to be updated in 2020 with improved parcel coverage
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 76,000</b>	
<b>NET IMPACT TO FUND BALANCE</b>	<b>\$ (76,000)</b>		

National Flood Insurance Prgm (169108)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 150,000	
FEMA Floodplain mapping		\$ 12,000	Assumes LNR mapping in 2020 - expenditures for public meeting notice
Permit reviews	\$ 16,000		Flood permit fees
Public education/CRS activities		\$ 15,000	CRS mailings
<b>TOTAL</b>	<b>\$ 16,000</b>	<b>\$ 177,000</b>	
<b>NET IMPACT TO FUND BALANCE</b>	<b>\$ (161,000)</b>		

Early Warning System (169110)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 5,000	
Nooksack River gages - USGS		\$ 103,000	No PO for 18/19 contract written in 2018 so use 2019 BA for it
Everson MainSt stage gage _ USGS	\$ 4,400		Canadians reimburse cost to maintain gage; AVZ pays for Jones gage directly
WWU camera on Swift Creek slide			Discontinued
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	
<b>TOTAL</b>	<b>\$ 4,400</b>	<b>\$ 135,000</b>	
<b>NET IMPACT TO FUND BALANCE</b>	<b>\$ (130,600)</b>		

Exhibit A  
Flood Control Zone District  
2020 Budget  
Work Plan and Supporting Documentation

**FLOOD CONSTRUCTION AND IMPROVEMENTS**

	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
<b>Repair and Maintenance (169112)</b>			
Wage and Benefits		\$ 90,000	
Misc			
<b>Construction Projects</b>			
Emergency/new projects as needed	\$ 50,000	\$ 350,000	Assumed costs for responding to flood/new repairs (fall 2019 flood assumed); increased due to cost of recent emergencies
Miscellaneous repair projects		\$ 50,000	Placeholder for small projects; fall 2019 flood assumed
Marine Drive Levee Repair		\$ -	Final payment and retainage; as-built, jail crew
Truck Road Emergency Bank Protection	\$ 25,000	\$ 50,000	50/50 cost-share with Roads; \$50,000 (net Flood Contribution for 2019 mitigation payment to habitat project
Red River Levee Stabilization (SWIF)		\$ 30,000	ILA w/ Lummi signed in 2019 - PO for 170k will CA; 2020 BA for misc costs outside of ILA
Hannegan Levee Rehabilitation (USACE)		\$ -	20% cost-share to USACE; revenues from LE Subzone (30% of FCZD cost-share); title reports done in 2018
Abbott Levee Erosion Protection	\$ 200,000	\$ 400,000	Assumes Roads pays 50%; plan and implement interim flood response measures; improvement project budgeted under 114
Sande-Williams Levee Rehabilitation (USACE/DD2)	\$ 17,000	\$ -	USACE cost-share split 80/20 between FCZD and DD#2
Twin View Levee Rehabilitation (USACE)		\$ -	20% cost-share to USACE (67k); revenues from SNE Subzone (30% of FCZD cost-share); title reports (2k) done in 2019
<b>Mitigation Planning/Implementation</b>			
Jail crew		\$ 117,439	Jail crew labor for FCZD and SWIF projects; available to diking or subzones
Reveg planning/coordination		\$ 23,000	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
<b>TOTAL</b>	<b>\$ 292,000</b>	<b>\$ 1,120,439</b>	
<b>NET IMPACT TO FUND BALANCE</b>	<b>\$ (828,439)</b>		

**Flood Hazard Reduction (169114)**

	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 305,000	
Misc			CA'd twice to 169114 and 716002
<b>Swift Creek</b>			
Bank stabilization/channel excavation		\$ 105,000	300k commitment per year; 150k Roads; remainder cost-shared 70/30 b/w FCZD and SNE Subzone
<b>Lower Nooksack River</b>			
Marietta property acquisition & demo (FEMA FMAG-716002)	\$ 231,560	\$ 264,640	Acquisition of 3 Turk parcels in 2019; assumes demo and 4th property acquisition/demo in 2020
Marietta property acquisition & demo New properties		\$ 50,000	Teeters cultural, asbestos, demo; Phase 2 ESA for Turk properties
Leases for agriculture	\$ 3,780	\$ -	River Rd and Emmerson Rd properties
Floodplain acquisition	\$ 800,000	\$ 1,000,000	2019 is for Reach 1 property with USFS funding thru WDFW and initial property(ies) under FbD grant, with remainder in 2020
Ferndale Levee Improvement Project Phase 1	\$ 240,000	\$ 300,000	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)		\$ 75,000	USACE rehab in 2021 to include culvert replacement; survey, hydraulics, wetland/permitting for channel relocation by FCZD
Rayhorst Levee Improvements		\$ -	Design, permit and construct project to widen and backslope levee
Abbott Levee Improvement (SWIF)	\$ 100,000	\$ 200,000	Assumes Roads pays 50%; design and RW
<b>Jones Creek Deflection Berm (712004)</b>			
Berm and bridge design	\$ 33,000	\$ 110,000	2019 contract will CA into 2020; design cost-shared 70/30 with Roads
Land/easement acquisition	\$ 800,000	\$ 1,025,000	Purchase of parcels/easements for berm/road construction; 2019 Kosmic 1st payment of 3; 2020 exp for appraisals/relocation asst; revenues from FbD
Construction		\$ -	Construction likely in 2022
<b>High Creek Sediment Management</b>			
Sediment trap/channel improvement design		\$ -	WSE post-project monitoring report
Sediment trap/channel imp. construction		\$ -	JJI contract CA into 2019- includes 2019 trap maint; 4k planting
Sediment trap maintenance		\$ 20,000	2019 Plants (16k) maintenance, 2020 trap maint
<b>Glacier-Gallup Creek Alluvial Fan Restoration</b>			
Feasibility study/concept design		\$ -	Risk assessment and alternatives analysis by BGC; 39k was CA
Outreach		\$ -	NHC contracted in 2019
Preliminary design	\$ 200,000	\$ 250,000	Revenues from FbD grant
<b>City of Lynden - Pepin Creek</b>			
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
<b>TOTAL</b>	<b>\$ 2,408,340</b>	<b>\$ 3,704,640</b>	
<b>NET IMPACT TO FUND BALANCE</b>	<b>\$ (1,296,300)</b>		

Exhibit A  
 Flood Control Zone District  
 2020 Natural Resources Budget  
 Work Plan and Supporting Documentation

Natural Resources (169119)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
<b>NATURAL RESOURCES ADMINISTRATION</b>			
Staff		\$ 325,319	Includes salary for 2.5 FTEs and overtime.
Office and operating		\$ 290,639	
<b>TOTAL</b>	\$ -	\$ 615,958	
<b>NET IMPACT TO FUND BALANCE</b>	\$ (615,958)		
<b>NATURAL RESOURCES OPERATIONS</b>			
<b>Salmon Recovery</b>			
Staff		\$ 134,959	1 FTE
Restoration effectiveness monitoring, adaptive management, and stewardship		\$ 59,440	WCC crew restoration activities
Maintaining existing restoration projects*		\$ 89,160	WCC crew contract for maintaining previously planted projects
New restoration projects*		\$ 30,000	Contracted services for activities supporting planting, fencing, culvert replacement, etc.
<b>Marine Resources Committee</b>			
Staff	\$ 91,500	\$ 97,940	0.95 FTE
MRC restoration projects		\$ 8,706	MRC grant funding minus labor
<b>Water Quality/Pollution Identification &amp; Correction</b>			
Program Coordination		\$ 134,959	Program Coordinator (1 FTE)
Water Quality Monitoring		\$ 242,070	Sampling personnel, lab contract, one vehicle, equipment (1 FTE + extra help)
Data Management	\$ 88,676	\$ 88,676	WCD Data Manager
Technical Assistance	\$ 96,066	\$ 96,066	WCD Farm Planners
Community Outreach	\$ 104,082	\$ 168,215	Outreach staff, WCD staff, supplies
Incentives	\$ 22,500	\$ 42,500	OSS and small farm cost share
Compliance	\$ 88,676	\$ 88,676	PDS Staff
<b>Coordination and Planning</b>			
Lake Whatcom Homeowner Incentive Program		\$ 60,646	Staff time only (0.5 FTE); contracted services under Stormwater budget
CosMos	\$ 100,000	\$ 125,000	CosMos Project \$125 with funding (RD 40%, BB 10%, GF 30%)+10k for additional buoys
WSU Extension outreach services		\$ 25,000	
<b>TOTAL</b>	\$ 591,500	\$ 1,492,013	
<b>NET IMPACT TO FUND BALANCE</b>	\$ (900,513)		
<b>TOTAL FOR COST CENTER</b>	\$ 591,500	\$ 2,107,971	
		\$ 1,516,471	
*Integrated Salmon Recovery/Flood Hazard Reduction capital and planning projects appear under Cost Center 169114 and 169104.			
<b>Acquatic Invasive Species (169120)</b>			
<b>Proposed 2020 Budget</b>			
	Revenues	Expenditures	Assumptions/Notes
<b>AIS OPERATIONS</b>			
<b>Coordination and Planning</b>			
Education and Inspection			
Interlocal Agreement (COB)		\$ 132,840	Contribution to City for AIS Program; includes COB program cost increase
AIS online education program website maintenance		\$ 8,750	Contracted services for online course/website support
<b>TOTAL</b>	\$ -	\$ 141,590	
<b>NET IMPACT TO FUND BALANCE</b>	\$ (141,590)		
<b>TOTAL FOR COST CENTER</b>	\$ -	\$ 141,590	
	\$ -	\$ 141,590	

Exhibit A  
 Flood Control Zone District  
 2020 Natural Resources Budget  
 Work Plan and Supporting Documentation

Water Planning (169121)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
<b>WATER PLANNING ADMINISTRATION</b>			
Staff		\$ 110,886	Watershed Planner
Office and operating		\$ 550	
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 111,436</b>	
<b>NET IMPACT TO FUND BALANCE</b>	<b>\$ (111,436)</b>		
<b>WATER PLANNING OPERATIONS</b>			
<b>Coordination and Planning</b>			
First Response/Watershed Planning	\$ -	\$ 100,000	Contracts for watershed planning activities
LENS Groundwater Model	\$ -	\$ 100,000	Peer review and modification of gw model
LIO administration	\$ 67,950	\$ 67,950	Administration of LIO process
Stream Gauging		\$ 105,000	USGS Stream Monitoring/AESI GW Monitoring Contracts
<b>TOTAL</b>	<b>\$ 67,950</b>	<b>\$ 372,950</b>	
<b>NET IMPACT TO FUND BALANCE</b>	<b>\$ (305,000)</b>		
<b>TOTAL FOR COST CENTER</b>	<b>\$ 67,950</b>	<b>\$ 484,386</b>	



**Exhibit A  
Lynden/Everson Subzone  
2020 Budget  
and Fund Balance Projections**

<b>Fund balance as of December 31, 2018</b>	<b>\$179,464</b>	(+)	(-)	<b>Notes</b>
<b>2019 Estimated Revenues:</b>				
Assessment				\$39,489
Interest earnings/penalties				\$3,000
<b>2019 Estimated Expenditures:</b>				
Levee vegetation maintenance				\$25,000 brushing, spraying and hydroseed
Mole control/misc				\$2,500 ACOE deficiency
Alternative corrections crew labor				\$12,000 misc levee and mitigation
Address new ACOE deficiencies				\$0 retaining walls/new problems placeholder
Hannegan Levee Rehabilitation (USACE)				\$12,186 6% of total project cost
Plant materials/maintenance supplies				\$2,000 For mitigation
Cost-share/repairs as needed				\$0
Coordination				\$2,000 staff time
<b>Total</b>				<b>\$42,489 \$55,686</b>
<b>Projected December 2019 fund balance</b>	<b>\$166,267</b>			
 <b>2020 Revenues - Proposed Budget</b>				
Assessment				\$39,489
Interest earnings				\$3,000
<b>2020 Expenditures - Proposed Budget</b>				
Levee vegetation maintenance				\$25,000 brushing, spraying and hydroseed
Mole control/misc				\$5,000 ACOE deficiency
Alternative corrections crew labor				\$10,000 misc levee and mitigation maintenance
Address new ACOE deficiencies				\$15,000 retaining walls/new problems placeholder
Abbott erosion protection (interim measure)				\$30,000 50/50 Road/Flood split on 200k
Cost-share/repairs as needed				\$30,000 New damage
Coordination				\$7,000 staff time
<b>Total</b>				<b>\$42,489 \$122,000</b>
<b>Projected December 2020 fund balance</b>	<b>\$86,756</b>			

**Exhibit A  
Sumas/Nooksack/Everson Subzone  
2020 Budget  
and Fund Balance Projections**

<b>Fund balance as of December 31, 2018</b>	<b>\$1,334,618</b>	(+)	(-)	<b>Notes</b>
<b>2019 Estimated Revenues:</b>				
Assessment		\$117,790		
Interest earnings		\$18,000		
<b>2019 Estimated Expenditures:</b>				
Levee vegetation maintenance				\$5,000 brushing and spraying
Fuel				\$6,500 Fuel for pumps
Mitigation monitoring and maintenance				\$1,000 supplies
Alternative corrections crew labor				\$6,000 misc maintenance
Cost-share for Swift Creek project				\$45,000 150k Road fund, 105K FCZD fund also transferred for \$300k/yr
Twin View Levee Rehabilitation				\$20,700 6% of total project cost
Pump station installation (Oat Coles)				\$20,000
<b>Total</b>		<b>\$135,790</b>		<b>\$104,200</b>
<b>Projected December 2019 fund balance</b>	<b>\$1,366,208</b>			
<b>2020 Revenues - Proposed Budget</b>				
Assessment		\$117,790		
Interest earnings		\$18,000		
<b>2020 Expenditures - Proposed Budget</b>				
Levee vegetation maintenance				\$5,000 brushing, spraying and hydroseed
Electric for pump station				\$1,000
Mitigation monitoring and maintenance				\$3,000 supplies and crew
Additional pump if needed				\$10,000 evaluate need after winter
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
<b>Total</b>		<b>\$135,790</b>		<b>\$214,000</b>
<b>Projected December 2020 fund balance</b>	<b>\$1,287,998</b>			

**Exhibit A  
Acme/Van Zandt Subzone  
2020 Budget  
and Fund Balance Projections**

<b>Fund balance as of December 31, 2018</b>	<b>\$328,587</b>	<b>(+)</b>	<b>(-)</b>	<b>Notes</b>
<b>2019 Estimated Revenues:</b>				
Assessment	\$23,167			
Interest earnings	\$4,000			
<b>2019 Estimated Expenditures:</b>				
Cost-share/repairs as needed			\$0	
M&O for Jones Creek stage/prec gage			\$6,312	9 month operation with telemetry
Admin support for meetings/minutes			\$500	
<b>Total</b>		<b>\$27,167</b>	<b>\$6,812</b>	
<b>Projected December 2019 fund balance</b>	<b>\$348,942</b>			
 <b>2020 Revenues - Proposed Budget</b>				
Assessment	\$23,167			
Interest earnings	\$4,000			
<b>2020 Expenditures - Proposed Budget</b>				
Cost-share/repairs as needed			\$30,000	30% of 100k project
M&O for Jones Creek stage/prec gage (9 month operation)			\$6,501	9 month operation with telemetry
Admin support for meetings/minutes			\$1,500	
<b>Total</b>		<b>\$27,167</b>	<b>\$38,001</b>	
<b>Projected December 2020 fund balance</b>	<b>\$338,108</b>			

**Exhibit A  
Samish Watershed Subzone  
2020 Proposed Budget  
and Fund Balance Projections**

<b>Fund balance as of December 31, 2018</b>	<b>\$122,393</b>	(+)	(-)	<b>Subtotal</b>	<b>Notes</b>
<b>2019 Estimated Revenues:</b>				<b>\$22,210</b>	
Assessment			\$21,010		
Interest earnings			\$1,200		Interest Earnings are up in 2019
<b>2019 Estimated Expenditures:</b>				<b>\$17,620</b>	
Natural resource staff salaries, wages, benefits			\$8,250		
Office & operating supplies			\$75		
Repair & maintain weir & channel - contract services			\$3,470		
Repairs & Maintenance - interfund			\$5,675		
Permits			\$150		
<b>Total</b>			<b>\$22,210</b>	<b>\$17,620</b>	
<b>Projected Fund Balance December 31, 2019</b>	<b>\$126,983</b>				
<b>2020 Revenues - Proposed Budget</b>				<b>\$22,210</b>	
Assessment			\$21,010		
Interest earnings			\$1,200		
<b>2020 Expenditures - Proposed Budget</b>				<b>\$19,950</b>	
Natural resource staff salaries, wages, benefits			\$8,500		
Office & operating supplies			\$250		
Repair & maintain weir & channel - contract services			\$5,200		
Repairs & Maintenance - interfund			\$5,750		
Permits			\$250		
<b>Total</b>			<b>\$22,210</b>	<b>\$19,950</b>	
<b>Projected December 2020 fund balance</b>	<b>\$129,243</b>				

**Exhibit A  
Birch Bay Subzone  
2020 Budget**

Object Account	Administration/ Personnel	Program Development & Management 2020	Capital Improvement Projects 2020	Maintenance, Small Works, & Scoping 2020	Water Quality Monitoring 2020	Education & Outreach 2020	Habitat Improvement 2020	Total 2020	Overhead/ Admin A	2020 Break Out		
	2020	2020	2020	2020	2020	2020	2020	2020	M&O O	Construction C		
Salaries & Wages	59,436		69,540					128,976				
Extra Help	27,000							27,000				
Overtime	4,000							4,000				
Benefits	46,462		51,460					97,922				
<b>Total Salaries &amp; Benefits</b>	<b>136,898</b>		<b>121,000</b>					<b>257,898</b>	136,898		121,000	
Unrealized Gain (Loss)	0							0				
Office & Operating Supplies	1,000					4,800	15,000	20,800	5,800		15,000	
Office & Oper. Supplies-Interfunc	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			
Extraordinary Ops	50,000							50,000	50,000			
Contractual Services				5,000	12,500			17,500		17,500		
Professional Services	68,000	10,000	220,000	39,000		1,500		338,500	68,000	11,500	259,000	
Building Maintenance	1,218							1,218	1,218			
Construction Contracts								0				
Other Services-Interfund			115,000	12,000				127,000	0		127,000	
Postage/Shipping/Freight	500					3,000		3,500		3,500		
Postage-Interfund	100							100		100		
Telephone	920							920	920			
Travel-Educ/Training	1,000							1,000	1,000			
Travel-Other	1,500							1,500	1,500			
Advertising						800		800		800		
Equipment Rental	200							200		200		
Space Rental		1,000				250		1,250	1,250			
Space Rental-Interfunc	1,500							1,500	1,500			
Insurance Premium - Interfunc	641							641	641			
Repairs & Maintenance				10,500				10,500		10,500		
Repairs & Maintenance - Interfunc				29,000				29,000		29,000		
Registration/Tuition	2,100							2,100	2,100			
Meeting Refreshments		300						500		500		
Administrative Cost Allocation	13,425					200		13,425	13,425			
Other Miscellaneous								0				
Other Miscellaneous-Interfunc			4,000	2,000				6,000			6,000	
Intergov. Professional Services						20,000		20,000		20,000		
Capital Outlays - Other Improvements			1,050,000	0				1,050,000			1,050,000	
Operating Transfer Out - Gen Fd	18,929							18,929	18,929			
Operating Transfer Out - Flood		12,500						12,500	12,500			
Operating Transfer Out - Strm BBWARM	66,770							66,770	66,770			
<b>Total Expenditures</b>	<b>366,601</b>	<b>23,800</b>	<b>1,510,000</b>	<b>97,500</b>	<b>12,600</b>	<b>33,550</b>	<b>15,000</b>	<b>2,059,051</b>	<b>384,351</b>	<b>96,700</b>	<b>1,578,000</b>	<b>2,059,051</b>
								-12,500				
								2,046,551				

ASR 2019-6136

Exhibit A  
 Birch Bay Subzone  
 2020  
 Capital Budget

Capital  
 Improvement  
 Projects

Object Code	Project/Program	2020
<b>Harborview Road Combined Drainage Imprv Phase I</b>		
6630	PROFESSIONAL SERVICES	100,000
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	1,050,000
6699	OTHER SERVICES INTERFUND	100,000
7199	OTHER MISC INTERFUND	
6100	SALARIES AND WAGES	100,000
<b>Semiahmoo Drive Drainage Improvements</b>		
6630	PROFESSIONAL SERVICES	120,000
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	
6699	OTHER SERVICES INTERFUND	15,000
7199	OTHER MISC INTERFUND	4,000
6100	SALARIES AND WAGES	21000
<b>Total Expenditures</b>		<b>1,510,000</b>
<b>Object Code Totals</b>		
6630	PROFESSIONAL SERVICES	220,000
6699	OTHER SERVICES INTERFUND	115,000
7199	OTHER MISC INTERFUND	4,000
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	1,050,000
6100	SALARIES AND WAGES	121,000
<b>Total Expenditures</b>		<b>1,510,000</b>

Exhibit B  
 Whatcom County Flood Control Zone District  
 Flood Capital Program  
 2020

Department	Fund	Database ID No.	Project Title	Year	Cost
<b>Flood Capital Program</b>					
Public Works	Flood Fund	07-002	Marietta Acquisition	2020	\$ 315,000
Public Works	Flood Fund	18-002	Truck Road Emergency Erosion Protection	2020	\$ 100,000
Public Works	Flood Fund	18-005	Abbott Levee Erosion Protection	2020	\$ 460,000
Public Works	Flood Fund	16-004	Red River Levee Stabilization	2020	\$ 30,000
Public Works	Flood Fund	16-002	Twin View Levee Improvements	2020	\$ 15,000
Public Works	Flood Fund	16-003	Lynden Levee Improvement	2020	\$ 75,000
Public Works	Flood Fund	07-105	Jones Creek Debris Flow Protection	2020	\$ 1,135,000
Public Works	Flood Fund	16-007	Abbott Levee Upstream Tie-In	2020	\$ 200,000
Public Works	Flood Fund	07-104	Ferndale Levee Improvement	2020	\$ 300,000
Public Works	Flood Fund	18-006	Glacier-Gallup Alluvial Fan Restoration	2020	\$ 250,000
Public Works	Flood Fund	07-002	Floodplain Acquisition	2020	\$ 1,000,000
<b>Total</b>					<b><u>\$ 3,880,000</u></b>
Public Works	BBWARM	07-217	Harborview Road Drainage Improvements P1	2020	\$ 1,350,000
Public Works	BBWARM	18-008	Semiahmoo Drive Drainage Improvements	2020	\$ 160,000
<b>Total</b>					<b><u>\$ 1,510,000</u></b>