

**WHATCOM COUNTY
PUBLIC WORKS DEPARTMENT**

JON HUTCHINGS
Director



NATURAL RESOURCES

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MEMORANDUM

TO: The Honorable Satpal Singh Sidhu, Whatcom County Executive, and
Honorable Members of the Whatcom County Council

THROUGH: Jon Hutchings, Director

FROM: Gary S. Stoyka, Natural Resources Program Manager

DATE: November 9, 2021

RE: November 16, 2021 Council Water Work Session

Please refer to the proposed agenda below for the next Water Work Session. Additional supporting documents may be distributed at or before the meeting.

AGENDA

Date:	Tuesday, November 16, 2021		
Time:	10:30 a.m. to 12:00 p.m.		
Place:	Virtual Meeting. For instructions on how to watch or participate in this meeting, please visit us at www.whatcomcounty.us/joinvirtualcouncil or contact the Council Office at 360.778.5010. View meeting schedules, agendas, minutes, videos, and archives at www.whatcom.legistar.com .		
Time	Topic	Council Action Requested	Background Information Attached
10:30 AM – 10:45 AM	Water Resources Update	Informational	None
10:45 AM – 11:15 AM	Discussion with WRIA 1 Planning Unit	Discussion	None
11:15 AM – 11:45 AM	Overview of Flood Control Zone District Budget	Informational	Proposed 2022 Budget
11:45 AM – 12:00 PM	Overview of WRIA 1 Data Hub	Informational	None

If you have questions, please feel free to call me at (360) 778-6218.

cc:

Dana Brown-Davis
Kristi Felbinger
Jill Nixon
Jennifer Schneider
Karen Frakes

Erika Douglas
John Thompson
Paula Harris
Lonni Cummings
Kraig Olason

Cathy Craver
Beth Bushaw
Jim Karcher
Atina Casas
Doug Ranney

Roland Middleton
Mark Personius
Josh Fleischmann
Tyler Schroeder
Sue Sullivan

Mike McFarlane
Aneka Sweeney
Chris Elder

Flood Control Zone District
2022 Budget

OVERALL BUDGET SUMMARY

Budget Program Code	Approved 2021 Budget		Supplemented 2021 Budget		2021 Year End Projection		Proposed 2022 Budget		2022 ASR's	
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures
169100 Administration	\$ 5,043,000	\$ 777,107	\$ 5,043,000	\$ 784,093	\$ 5,020,258	\$ 902,333	\$ 5,210,000	\$ 859,831		\$ 17,500
169100 Transfers - To Stormwater		\$ 1,459,512		\$ 1,598,954		\$ 1,279,163		\$ 1,202,339		
169102 Flood Response	\$ -	\$ 110,000	\$ -	\$ 110,000	\$ -	\$ 55,000	\$ -	\$ 110,000		
169104 Flood Planning	\$ 258,000	\$ 885,000	\$ 258,000	\$ 927,575	\$ 115,000	\$ 283,025	\$ 70,000	\$ 940,000		
169106 Technical Assistance	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 75,000		
169108 NFIP and CRS	\$ 16,000	\$ 177,000	\$ 16,000	\$ 177,000	\$ 10,000	\$ 165,000	\$ 12,000	\$ 127,000		
169110 Early Warning	\$ 4,500	\$ 138,100	\$ 4,500	\$ 138,100	\$ 4,413	\$ 109,000	\$ 4,413	\$ 133,000		
169112 Repair and Maintenance	\$ 535,000	\$ 977,439	\$ 385,000	\$ 827,439	\$ 264,115	\$ 623,039	\$ 715,000	\$ 1,692,439		
169114 Flood Hazard Reduction	\$ 2,632,540	\$ 4,517,535	\$ 4,157,143	\$ 6,451,950	\$ 2,957,851	\$ 4,196,439	\$ 3,169,846	\$ 4,437,456		
169119 Natural Resources	\$ 557,361	\$ 2,015,894	\$ 563,639	\$ 2,040,950	\$ 499,278	\$ 2,115,916	\$ 744,139	\$ 2,227,659		\$ 75,000
169120 Aquatic Invasive Species	\$ -	\$ 152,217	\$ -	\$ 152,217	\$ -	\$ 152,217	\$ -	\$ 164,944		\$ 28,000
169121 Water Planning	\$ 175,000	\$ 728,546	\$ 175,000	\$ 832,246	\$ 225,000	\$ 801,436	\$ 175,000	\$ 548,914	\$ 125,000	\$ 375,000
169700 NPDES	\$ -	\$ 160,320	\$ -	\$ 160,320	\$ -	\$ 80,000	\$ -	\$ 160,320		
TOTAL	\$ 9,221,401	\$ 12,173,670	\$ 10,602,282	\$ 14,275,844	\$ 9,095,915	\$ 10,837,568	\$ 10,100,398	\$ 12,678,902	\$ 125,000	\$ 495,500
(DECREASE)/INCREASE IN FUND BALANCE	\$ (2,952,269)		\$ (3,673,563)		\$ (1,741,653)		\$ (2,578,504)		\$ (370,500)	

Notes:

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

14% Rev Lapse 24% Exp Lapse

Starting Balance	8,084,364	BOY 2021
Projected Net Annual Activity	-1,741,653	
Projected Balance	6,342,711	BOY 2022
Budgeted Net Annual Activity	-2,578,504	
Add back expense lapse of 20% (with related grant income reduction)	1,901,811	
Projected Balance	5,666,018	BOY 2023

ASR's	Rev	Exp		
6426 Collaborative Water Solutions Process	\$ 125,000	\$ 375,000	\$ (250,000)	169121
6427 WSU Extension	\$ -	\$ 25,000	\$ (25,000)	169119
6430 Auditor Fee Increases	\$ -	\$ 12,500	\$ (12,500)	169100
6431 AIS Enforcement Funding	\$ -	\$ 28,000	\$ (28,000)	169120
6432 Software Maint Contracts	\$ -	\$ 5,000	\$ (5,000)	169100
6436 PIC Livestock Technical Ass't Prog.	\$ -	\$ 50,000	\$ (50,000)	169119

Balance after ASR's **5,295,518** **BOY 2023 (after ASRs)**

Flood Control Zone District
2020 Budget
Work Plan and Supporting Documentation

DETAIL FOR FCZD PROGRAM AREAS

FLOOD MAINTENANCE AND OPERATIONS									
Flood Response (169102)									
	Original 2021 Budget		Supplemented 2021 Budget		2021 Year End Projection		Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	
Wage and Benefits		\$ 10,000		\$ 10,000		\$ 10,000		\$ 10,000	
Sand and sandbags		\$ 35,000		\$ 35,000		\$ 10,000		\$ 35,000	Includes pre-deployed and sand bags for training
Preparedness training		\$ 5,000		\$ 5,000		\$ 5,000		\$ 5,000	Road and M&O employees and equipment
Sector observers during response		\$ 40,000		\$ 40,000		\$ 20,000		\$ 40,000	Road employees wages and benefits for 1 significant flood event
Construction contracts		\$ 20,000		\$ 20,000		\$ 10,000		\$ 20,000	During and immediately following response
TOTAL	\$ -	\$ 110,000	\$ -	\$ 110,000	\$ -	\$ 55,000	\$ -	\$ 110,000	Budget based on 2009 flood with cost & wage increases
NET IMPACT TO FUND BALANCE	\$ (110,000)		\$ (110,000)		\$ (55,000)		\$ (110,000)		2021 YE projection assumes small fall flood
Flood Planning (169104)									
	Original 2021 Budget		Supplemented 2021 Budget		2021 Year End Projection		Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	
Lower Nooksack									
Wage and Benefits		\$ 150,000		\$ 150,000		\$ 150,000		\$ 130,000	
CFHMP refinement/update									
Facilitation		\$ 50,000		\$ 87,550		\$ 3,000		\$ 75,000	2021 BA inc 37,550 CA for CollinsW; need 2022 BA to cover est balance (35000) and amendment
Hydraulic modeling/alternatives analyses		\$ 50,000		\$ 50,000		\$ 10,000		\$ 60,000	2021 PO will CA (est bal is 10k) 2022 for FEQ model support
FLIP process support/Engineering design/Plan	\$ 200,000	\$ 300,000	\$ 200,000	\$ 305,025	\$ 100,000	\$ 105,025		\$ 300,000	2021 BA inc 5025 CA for NWIC; Herrera balance will CA into 2022 (2021 PO): NEP grant ends in 2021
Sediment management		\$ 200,000		\$ 200,000				\$ 200,000	likely to get under contract in 2022
Reach 1 Sediment	\$ -	\$ 50,000		\$ 50,000			\$ -	\$ 75,000	2020 PO for \$85.7 balance + amendment for updated survey; 2021 BA for follow-up work with reach team
FLIP support for ag (AWB, farmer stipends)	\$ 58,000	\$ 60,000	\$ 58,000	\$ 60,000	\$ 15,000	\$ 15,000	\$ 70,000	\$ 75,000	Pass through funding for ag consultant, farmers stipends and tribes- revenues from FbD
High water mark survey		\$ 25,000		\$ 25,000				\$ 25,000	
TOTAL	\$ 258,000	\$ 885,000	\$ 258,000	\$ 927,575	\$ 115,000	\$ 283,025	\$ 70,000	\$ 940,000	
NET IMPACT TO FUND BALANCE	\$ (627,000)		\$ (669,575)		\$ (168,025)		\$ (870,000)		
Technical Assistance (169106)									
	Original 2021 Budget		Supplemented 2021 Budget		2021 Year End Projection		Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	
Wage and Benefits		\$ 75,000		\$ 75,000		\$ 75,000		\$ 75,000	
Postage for Special District reassessments								\$ -	CDID#5 was updated in 2020 with improved parcel coverage
TOTAL	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 75,000	
NET IMPACT TO FUND BALANCE	\$ (75,000)		\$ (75,000)		\$ (75,000)		\$ (75,000)		
National Flood Insurance Prgm (169108)									
	Original 2021 Budget		Supplemented 2021 Budget		2021 Year End Projection		Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	
Wage and Benefits		\$ 150,000		\$ 150,000		\$ 150,000		\$ 100,000	
FEMA Floodplain mapping		\$ 12,000		\$ 12,000			\$ -	\$ 12,000	Assumes LNR mapping in 2022 - expenditures for public meeting notice
Permit reviews	\$ 16,000		\$ 16,000		\$ 10,000		\$ 12,000	\$ -	Flood permit fees

Flood Control Zone District
2020 Budget

Work Plan and Supporting Documentation

Public education/CRS activities	\$	15,000	\$	15,000	\$	15,000	\$	-	\$	15,000	CRS mailings					
TOTAL	\$	16,000	\$	177,000	\$	16,000	\$	177,000	\$	10,000	\$	165,000	\$	12,000	\$	127,000
NET IMPACT TO FUND BALANCE	\$	(161,000)	\$	(161,000)	\$	(155,000)	\$	(115,000)	\$	(115,000)						

Early Warning System (169110)	Original 2021 Budget		Supplemented 2021 Budget		2021 Year End Projection		Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	
Wage and Benefits	\$	5,000	\$	5,000	\$	5,000	\$	1,000	
Nooksack River gages - USGS	\$	-	\$	106,100	\$	104,000	\$	105,000	
Everson MainSt stage gage _ USGS	\$	4,500	\$	-	\$	4,413	\$	-	Canadians reimburse cost to maintain gage; AVZ pays for Jones gage directly
Emergency access to SNOTEL	\$	-	\$	5,000	\$	-	\$	5,000	
Equipment for gage upgrades/repairs	\$	-	\$	12,000	\$	-	\$	12,000	Equip at NF gage may need replacing
Repairs and maintenance	\$	-	\$	10,000	\$	-	\$	10,000	
TOTAL	\$	4,500	\$	138,100	\$	4,413	\$	109,000	
NET IMPACT TO FUND BALANCE	\$	(133,600)	\$	(133,600)	\$	(104,587)	\$	(128,587)	

FLOOD CONSTRUCTION AND IMPROVEMENTS

Repair and Maintenance (169112)	Original 2021 Budget		Supplemented 2021 Budget		2021 Year End Projection		Proposed 2022 Budget		Assumptions/Notes
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	
Wage and Benefits	\$	120,000	\$	120,000	\$	120,000	\$	185,000	
Misc									
Construction Projects									
Emergency/new projects as needed	\$	50,000	\$	50,000	\$	50,000	\$	350,000	Assumed costs for responding to flood/new repairs (assumes no fall 2021 flood)
Miscellaneous repair projects	\$	-	\$	50,000	\$	50,000	\$	50,000	Placeholder for small projects; fall 2019 flood assumed
Marine Drive Levee Repair 2020 damage (720004)	\$	225,000	\$	300,000	\$	5,000	\$	300,000	Surveyed in 2020, construction in 2022 (FEMA)
Truck Road 2018 Emergency Bank Protection (718001)	\$	-	\$	-	\$	40,000	\$	80,000	50/50 cost-share with Roads; land ac d/s of site will provide final mitigation for past emergency work
Truck Road 2020 Damage (720008)	\$	140,000	\$	150,000	\$	123,025	\$	250,000	2021 contract for alt analysis; 2021 amendment for design: rev are 75% FEMA and 12.5% Roads
Everson Overflow Pipeline Bank Stabilization (720009)	\$	120,000	\$	150,000	\$	93,750	\$	150,000	Alt anal in 2021; design in 2022; FEMA reimburses 75%
Sande-Williams Levee Rehab (USACE/DD2-719004)	\$	-	\$	-	\$	7,340	\$	-	2021 revenues from DD#2 for 80/20 split on USACE cost-share
Bertrand Creek Levee Stabilization (721002)							\$	250,000	Start design in 2021 and construct in 2022; potential cost-share from DD#4
Mitigation Planning/Implementation									
Jail crew	\$	117,439	\$	117,439	\$	117,439	\$	117,439	Jail crew labor for FCZD and SWIF projects; available to diking or subzones
Reveg planning/coordination	\$	30,000	\$	30,000	\$	30,000	\$	30,000	New 2-year contract in 2021
Reveg/misc supplies	\$	10,000	\$	10,000	\$	5,000	\$	10,000	Increased to cover plant replacement costs for Deming and other past projects as needed
TOTAL	\$	535,000	\$	977,439	\$	264,115	\$	1,692,439	
NET IMPACT TO FUND BALANCE	\$	(442,439)	\$	(442,439)	\$	(358,924)	\$	(977,439)	

Flood Hazard Reduction (169114)	Original 2021 Budget	Supplemented 2021 Budget	2021 Year End Projection	Proposed 2022 Budget
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Flood Control Zone District
2020 Budget
Work Plan and Supporting Documentation

	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Assumptions/Notes
Wage and Benefits		\$ 375,000		\$ 375,000				\$ 315,000	
Misc	\$ -		\$ -				\$ -		
Swift Creek									
Bank stabilization/channel excavation	\$ -	\$ 107,835	\$ -	\$ 107,835			\$ -	\$ 114,624	300k commitment per year; 150k Roads; remainder cost-shared 70/30 b/w FCZD and SNE Subzone Subject to CPI-W Increases
Lower Nooksack River									
Marietta property acquisition & demo New properties	\$ -	\$ 50,000	\$ -	\$ 50,000		\$ -	\$ -	\$ 50,000	New owner interested in selling
Leases for agriculture	\$ 3,780	\$ -	\$ 3,780	\$ -	\$ 3,780		\$ 3,780	\$ -	River Rd and Emmerson Rd properties
Walton Property Management					\$ 16,800	\$ 42,000	\$ 16,800	\$ -	Revenues are from lease; 2021 expenses to deal with barn fire (demo, electric and well house)
Floodplain acquisition	\$ 831,760	\$ 1,039,700	\$ 671,760	\$ 839,700		we may spend more this year if GG goes through	\$ 847,866	\$ 1,059,832	Revenues from FbD grant; 2021 BA reduced by 200k for transfer to Jones Crk; 2022 is remaining grant task balance if not used for GG
Ferndale Levee Improvement Project (719008)	\$ -	\$ -	\$ 356,988	\$ 446,235	\$ 174,588	\$ 218,235	\$ 422,400	\$ 528,000	2021 BA from R&E CA; 2022 BA cover contract balance + amendment for 60% design; rev from FbD
Lynden Levee Improvement Project (in conjunction with USACE rehab project) (718005)	\$ 524,000	\$ 655,000	\$ 524,000	\$ 655,000	\$ 421,600	\$ 527,000	\$ 36,000	\$ 45,000	Chanel construction and USACE cost-share in 2021; planting and O&M plan in 2022
USACE Lynden Levee Rehab and Culvert Replacement (718005)	\$ -	\$ 220,000	\$ -	\$ 220,000	\$ 45,000	\$ 210,600		\$ -	20% cost-share for USACE project; rev are from Lynden and LE subzone
Abbott Levee Improvement (SWIF) (718010)	\$ 325,000	\$ 650,000	\$ 413,215	\$ 826,430	\$ 393,000	\$ 786,000	\$ 155,000	\$ 260,000	Assumes Roads pays 50%; design and construct bank repair in 2021; 2022 BA is for Phase 2 design; 2021 BA inc NHC CA
Duffner Ditch Flood Gate Replacement Early Action (720007)			\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000			2021 rev are EQIP funding (loaned to WID in 2020) and 150k FbD grant early action funds
Cougar Creek Early Action Project Design (720010)	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 105,000	\$ 120,000	\$ 60,000	\$ 75,000	2021 rev is NOAA funding through TNC; complete design and permit in 2022 as early action project for FbD?
Other FbD Early Action Projects (TBD)							\$ 300,000	\$ 375,000	Balance of task budget in 2019-21 FbD grant; projects TBD
South Fork Fish Camp Project (72100x)									
Phase 1 design/construction							\$ 880,000	\$ 880,000	Pass-through FbD funding to Nooksack Tribe for integrated fish-flood project: Tribe to provide grant match (not included in WRIP)
Dahlberg Wetland Mitigation Site (719006)									
Wetland plan development		\$ 100,000		\$ 100,000		\$ 10,000		\$ 130,000	2021 costs for BLA to settle claim; 2022 BA for work to start on site plan development/monitoring
Jones Creek Deflection Berm (712004)									
Berm and bridge design	\$ 54,000	\$ 180,000	\$ 54,000	\$ 180,000	\$ 30,000	\$ 100,000	\$ 54,000	\$ 130,000	2021 BA inc CA for Swift appraisals; 2021 PO for PSE contract balance; Permitting assistance from Roads (30k/yr) design cost-shared 70/30 with Roads
Land/easement acquisition	\$ 520,000	\$ 650,000	\$ 1,409,600	\$ 1,762,000	\$ 1,409,600	\$ 1,762,000	\$ 50,000	\$ -	Derus and Swift properties plus two easements in 2021; revenues from FbD; 2022 revenues is from road for new ROW
Pre-closing costs (appraisals, hazmat, etc.)			\$ 75,800	\$ 94,750	\$ 75,800	\$ 94,750			2021 BA for CA for Swift appraisal + supplement for add'tal properties
Construction	\$ -	\$ -	\$ 124,000	\$ 155,000			\$ 124,000	\$ 155,000	Demo and cleanup of Derus- likely to slip to 2022 due to movers
High Creek Sediment Management									
Sediment trap maintenance (720005)	\$ -	\$ 45,000	\$ -	\$ 45,000		\$ 10,000	\$ -	\$ 45,000	Cleaning only one trap in 2021
Glacier-Gallup Creek Alluvial Fan Restoration (718007)									
Feasibility study/concept design (BGC)	\$ 48,000	\$ 60,000	\$ 48,000	\$ 60,000	\$ 57,994	\$ 72,492			Risk assessment and alternatives anlysis in 2021; 2021 exp is contract balance to select alternative
Outreach	\$ 36,000	\$ 45,000	\$ 36,000	\$ 45,000	\$ 42,690	\$ 53,362	\$ 20,000	\$ 25,000	2021 YE exp is contract balance - 2021 PO
Preliminary design	\$ 200,000	\$ 250,000	\$ 200,000	\$ 250,000	\$ 32,000	\$ 40,000	\$ 200,000	\$ 250,000	interim repair alt analysis in 2021; 60% design in 2022
TOTAL	\$ 2,632,540	\$ 4,517,535	\$ 4,157,143	\$ 6,451,950	\$ 2,957,851	\$ 4,196,439	\$ 3,169,846	\$ 4,437,456	
NET IMPACT TO FUND BALANCE	\$ (1,884,995)		\$ (2,294,807)		\$ (1,238,588)		\$ (1,267,610)		

Flood Control Zone District
Proposed 2022 Budget

Natural Resources (169119)	Original 2021 Budget		Supplemented 2021 Budget		Year End 2021 Projection		Proposed 2022 Budget		Assumptions/Notes	ASRs
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures		
NATURAL RESOURCES ADMINISTRATION										
Staff		\$ 327,441		\$ 327,441		\$ 327,441		\$ 324,595	Includes salary for 2.5 FTEs and overtime.	
Office and operating		\$ 293,439		\$ 293,439		\$ 293,439		\$ 344,040		
TOTAL	\$ -	\$ 620,880	\$ -	\$ 620,880	\$ -	\$ 620,880	\$ -	\$ 668,635		
NET IMPACT TO FUND BALANCE	\$ (620,880)		\$ (620,880)		\$ (620,880)		\$ (668,635)			
NATURAL RESOURCES OPERATIONS										
Salmon Recovery										
Staff		\$ 135,926		\$ 135,926		\$ 134,959		\$ 169,257	1 FTE	
Restoration effectiveness monitoring, adaptive management, and stewardship		\$ 61,408		\$ 61,408		\$ 59,440		\$ 61,408	WCC crew restoration activities	
Maintaining existing restoration projects*		\$ 92,112		\$ 92,112		\$ 89,160		\$ 92,112	WCC crew contract for maintaining previously planted projects	
New restoration projects*		\$ 30,000		\$ 30,000		\$ 30,000		\$ 30,000	Contracted services for activities supporting planting, fencing, culvert replacement, etc.	
Marine Resources Committee										
Staff	\$ 93,000	\$ 105,100	\$ 93,000	\$ 105,100	\$ 93,000	\$ 105,100	\$ 102,000	\$ 102,900	0.95 FTE + \$1,100 for intern	
MRC restoration projects		\$ 4,000		\$ 10,278		\$ 10,278		\$ 4,000	MRC projects	
Water Quality/Pollution Identification & Correction										
Program Coordination	\$ 3,365	\$ 139,291	\$ 3,365	\$ 139,291		\$ 139,291		\$ 123,866	Program Coordinator (1 FTE)	
Water Quality Monitoring		\$ 247,035		\$ 258,165		\$ 258,165	\$ 6,000	\$ 267,227	Sampling personnel, lab contract, one vehicle, equipment (1 FTE + extra help)	
Data Management	\$ 90,240	\$ 90,240	\$ 90,240	\$ 90,240	\$ 88,676	\$ 90,240	\$ 100,000	\$ 100,000	WCD Data Manager	
Technical Assistance	\$ 114,240	\$ 114,240	\$ 114,240	\$ 114,240	\$ 96,066	\$ 96,066	\$ 170,000	\$ 170,000	WCD Farm Planners	
Community Outreach	\$ 134,100	\$ 173,100	\$ 134,100	\$ 173,100	\$ 104,082	\$ 173,100	\$ 189,055	\$ 238,055	Outreach staff, WCD staff, supplies	
Incentives	\$ 35,000	\$ 59,000	\$ 35,000	\$ 59,000	\$ 22,500	\$ 42,500	\$ 58,000	\$ 79,000	OSS and small farm cost share	
Compliance	\$ 87,416	\$ 87,416	\$ 87,416	\$ 87,416	\$ 88,676	\$ 87,416	\$ 87,416	\$ 87,416	PDS Staff	
Coordination and Planning										
Lake Whatcom Homeowner Incentive Program		\$ 61,086		\$ 61,086		\$ 60,646		\$ 58,998	Staff time only (0.5 FTE); contracted services under Stormwater budget	
CosMos		\$ -		\$ 115,000		\$ 115,000		\$ -	CosMos Project \$125 with funding (RD 40%, BB 10%, GF 30%)	
WSU Extension outreach services		\$ 25,000		\$ 25,000		\$ 25,000		\$ 25,000		
TOTAL	\$ 557,361	\$ 1,424,954	\$ 557,361	\$ 1,424,954	\$ 493,000	\$ 1,516,361	\$ 712,471	\$ 1,609,239		
NET IMPACT TO FUND BALANCE	\$ (867,593)		\$ (867,593)		\$ (1,023,361)		\$ (896,768)			
TOTAL FOR COST CENTER	\$ 557,361	\$ 2,045,833	\$ 557,361	\$ 2,045,833	\$ 493,000	\$ 2,137,241	\$ 712,471	\$ 2,277,874		
		\$ 1,488,472		\$ 1,488,472		\$ 1,644,241		\$ 1,565,403		
*Integrated Salmon Recovery/Flood Hazard Reduction capital and planning projects appear under Cost Center 169114 and 169104.										
Aquatic Invasive Species (169120)										
AIS ADMINISTRATION										
Staff	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Office and operating		\$ -		\$ -		\$ -		\$ -	Misc. Expenses	
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
NET IMPACT TO FUND BALANCE	\$ -		\$ -		\$ -		\$ -			
AIS OPERATIONS										
Coordination and Planning										
Interlocal Agreement (COB)	\$ -	\$ 143,467	\$ -	\$ 143,467	\$ -	\$ 143,467	\$ -	\$ 154,944	Contribution to City for AIS Program; includes COB program cost increase	
Enforcement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,700	\$ -	\$ -	Interdepartmental Agreement with WCSO	
AIS online education program website maintenance	\$ -	\$ 8,750	\$ -	\$ 8,750	\$ -	\$ 5,050	\$ -	\$ 10,000	Contracted services for online course/website support	
TOTAL	\$ -	\$ 152,217	\$ -	\$ 152,217	\$ -	\$ 152,217	\$ -	\$ 164,944		
NET IMPACT TO FUND BALANCE	\$ (152,217)		\$ (152,217)		\$ (152,217)		\$ (164,944)			
TOTAL FOR COST CENTER	\$ -	\$ 152,217	\$ -	\$ 152,217	\$ -	\$ 152,217	\$ -	\$ 164,944		
		\$ 152,217		\$ 152,217		\$ 152,217		\$ 164,944		
Water Planning (169121)										
WATER PLANNING ADMINISTRATION										
Staff		\$ 123,354		\$ 123,354		\$ 110,886		\$ 141,284	Watershed Planner	
Office and operating		\$ 550		\$ 550		\$ 550		\$ 550		
TOTAL	\$ -	\$ 123,904	\$ -	\$ 123,904	\$ -	\$ 111,436	\$ -	\$ 141,834		
NET IMPACT TO FUND BALANCE	\$ (123,904)		\$ (123,904)		\$ (111,436)		\$ (141,834)			

