

Appendix B

Public Comments on Issues

Whatcom County Public Works - Stormwater Division
Lake Samish Comprehensive Stormwater Plan
TM #05 - Programmatic Issues and Recommendations

Exhibit 1 - Tabulation of Stormwater Issues and Problems

ID	Issue/Problem Description	Identified By ⁽¹⁾	Sub-Basin of Origin ⁽¹⁾	Scale of Impact ⁽¹⁾
Water Quality Issues (WQ)				
WQ-1	WWU Lake & Tributary Monitoring (2005-present) has identified the following issues			
a	Increased levels of available phosphorus in the lake fueling the growth of algae and cyanobacteria.	Monitoring	LS	LS
b	Because of algal densities seen in the lake, there is a potential for development of harmful disinfection by-products from treatment of lake water with residential treatment systems, (especially those that disinfect by chlorination).	Monitoring	LS	LS
c	Assess and address potential for groundwater, stream, and lake contamination from onsite septic systems.	Monitoring	BW	BW
d	Tributary fecal coliform counts were variable; 36% of the samples exceeded 100 cfu/100ml, suggesting that the sites might not pass surface water criteria.	Monitoring	BW	BW
WQ-2	Assess and address the impact to stormwater quality from wildlife and domestic animal waste within the basin.	PM-2	BW	BW
WQ-3	Perform comprehensive review of historical water quality sampling data dating back to 1970s for incorporation into the comprehensive stormwater planning effort.	PM-2	BW	BW
WQ-4	Lake Samish listed on WA Department of Ecology's 303d, Category 2 Water of Concern for elevated concentrations of Mercury in fish.	Monitoring	-	LS
WQ-5	West Arm of Lake Samish listed on WA Department of Ecology's 303d, Category 5 Impaired Waterbody for elevated concentrations of PCBs in fish.	Monitoring	-	LS
WQ-6	Concerns regarding the potential for lead or heavy metal contamination from Plantation Rifle Range.	PM-1	R	R, S, F
WQ-7	Sediment erosion from the Finney Creek basin significantly increasing the size of the creek's alluvial fan.	PM-1	R, S, F	R, S, F, LS
WQ-8	Sediment erosion from the Mud Creek basin causes turbidity issues in the lake and excessive alluvial deposits at the stream mouth.	PM-1, Research	M	M, LS

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Infrastructure & Roadway Issues (IR)				
IR-1	County road ditches require more regular maintenance within the basin.	PM-2	BW	BW
IR-2	Concerns over infrastructure and road maintenance; storm damage to roads, damage to road shoulders, drainage system requiring more regular maintenance and repair.	PM-1	BW	BW
IR-3	Identify flashflood-prone intermittent streams and water courses within the basin	PM-1	BW	BW
IR-4	Utilizing existing ditch and culvert inventories - Identify stormwater flow directions and possible opportunities to re-route flow away from problem area.	PM-1	BW	BW
IR-5	Increase inspection of all residential construction projects to confirm compliance with all currently required construction stormwater BMPs. Inspections should target, not only activities during construction, but also compliance of any permanent BMPs put in place at the end of construction	PM-1	BW	BW
IR-6	Drainage ditch on the north side of E. Lk Samish Rd has been filled in. Confirm that there are no adverse stormwater impacts associated with this condition	PM-2	W	W
IR-7	Stormwater sheet-flowing across Roy Road during significant wet weather events.	PM-2	RE, RW	RE, RW
IR-8	Stormwater sheet-flowing across W. Lk Samish Drive at several location between Firelane and the bridge.	PM-2	S	S
IR-9	Culvert overflows upstream of Calmor Cove have caused flooding in the trailer park in the past, most recently in 2009.	PM-2	S	S
IR-10	County culvert discharging stormwater directly into yard on private property north of 156 Shallow Shore Drive	PM-2	S	S
IR-11	County road ditch on the ___ side of Shallow Shore remains full.	PM-2	S	S
IR-12	Calmor Cove culvert under mobile homes and pads causes trouble for downstream properties.	PM-3	S	S

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WSDOT I-5 Corridor Issues (I5)				
I5-1	WSDOT I5 Corridor - Adequacy of the sizing and maintenance of the existing detention vault located along E. Lake Samish Drive	PM-1, PM-2	W, B, LS	W, B, LS
I5-2	WSDOT I-5 Corridor - Concerns regarding whether addition detention facilities are needed for the interstate stormwater system.	PM-1, PM-2	F, R, S, W, B, SB, P, LS	F, R, S, W, B, SB, P, LS
Planning and Development Issues (PD)				
PD-1	Identify how current zoning designations in the basin will impact future stormwater quality and quantity.	PM-2	BW	BW
PD-2	Identify how future large developments in the basin will impact future stormwater quality and quantity.	PM-2	BW	BW
PD-3	Possible impacts of proposed LAMIRD designation.	PM-1, PM-2	BW	BW
PD-3	Whatcom County Dittrich Park Development - Provide for public notification regarding planning schedule and public input regarding development planning. Shallow lake water issues should be addressed as a part of the planning effort.	PM-2	B, SB	B, SB
PD-4	Impact of planned Sleepy Hollow Development vesting under 1992 Whatcom County Development Standards.	PM-1, PM-2, Research	S	S
PD-5	Two different plans are needed to address different issues in the east arm and west arm of the lake.	PM-3	BW	BW
Recreational Use (RU)				
RU-1	Assess and address potential impacts related to boat water ballast being discharged to lake water.	PM-1	LS	LS
RU-2	Assess and address erosion effects associated with increased wake produced by large displacement boating vehicles.	PM-1	LS	LS
RU-3	Assess and address impacts from 2-cycle watercraft on the lake.	PM-2	LS	LS
RU-4	Lack of adequate enforcement by State and local agencies regarding boating activities and possession of current fishing licences.	PM-1	LS	LS
RU-5	Development of a permit system for boat launch usage to better control boat usage on the lake.	PM-1	LS	LS

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Recreational Use (RU) (continued)				
RU-6	WDFW plan to upgrade and expand the existing boat launch will existing water quality issues associated with recreational use around the lake.	PM-1, PM-2	LS	LS
RU-7	Inadequate garbage and restroom facilities to handle the number of recreational users of the lake, especially in the summer months.	PM-1	BW	BW
RU-8	Lack of adequate parking enforcement around the lake, especially during summer months.	PM-1, PM-2	BW	BW
RU-9	Additional enforcement required to address public disposal of garbage in public area.	PP-2	BW	BW
Wildlife & Aquatic Habitat (WAH)				
WAH-1	Determine the extent to which the lake outlet at Friday Creek is filling in with sediment and assess the impacts of that sedimentation on basin's ability to provide the minimum required flow of 2cfs to the creek.	PM-2	LS	LS
WAH-2	Assess and address need for a flow metering structure at the Friday Creek outlet.	Modeling	LS	LS
WAH-3	Inventory fish-bearing streams not already identified by the WDFW.	PM-1	BW	BW
WAH-4	Fish barriers identified by Whatcom County and WDFW.	Research	BW	BW
WAH-5	Degradation of tributary aquatic habitat due to high stream volumes during peak wet weather events and sedimentation due to increased erosion upstream.	Research	BW	BW
Forestry Practices (FP)				
FP-1	Provide overview of future forest practice to expect within the basin.	PM-1	BW	BW
FP-2	Stormwater contamination concerns relating to the use of herbicides in upland, forested areas with wetland areas, water inundation and/or saturated soils, and for vegetation control in forested areas and on gravel access roads.	PM-1, PM-2	BW	BW
FP-3	Assess and address impact to stormwater quality and quantity of forest clear cutting in the basin.	PM-2	BW	BW
FP-4	Assess and address impact to stormwater quality and quantity of access logging roads in the basin.	PM-2	BW	BW
FP-5	Open dialog with WA Dept. of Natural Resources and large forest owners in the basin regarding impacts to stormwater related to forestry practices.	PM-2	BW	BW

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Education, Public Involvement and Public Services (EPIP)				
EPIP-1	Lack of adequate public awareness that Lake Samish serves as the primary drinking water source for residents around the lake.	PM-1, PM-2	BW	BW
EPIP-2	Identify stakeholder groups with which Whatcom County will cooperate during the comprehensive planning process, and how the Public will be involved in this communication.	PM-2	BW	BW
EPIP-3	Provide source material regarding Low Impact Development Options for reference and use by land developers and homeowners.	PM-2	BW	BW
EPIP-4	Clarify limits of Whatcom County's responsibility for stormwater infrastructure maintenance versus those for the property owner.	PM-2	BW	BW
EPIP-5	Provide low-cost option for private water sampling & testing of residential water systems.	PM-2	BW	BW
EPIP-6	Provide educational information to the public regarding basin-friendly practices for minimizing stormwater quality and quantity impacts from upkeep and maintenance activities for the home and private property.	PM-1	BW	BW
Governance, Implementation & Funding Issues (GIF)				
GIF-1	Lake Management District No. 1 - Future funding and administration role in stormwater management within the basin.	PM-1	BW	BW
GIF-2	Provide additional information regarding the possible governance options for stormwater management within the basin and how recommendations regarding governance will be made.	PM-2	BW	BW
GIF-3	Identify costs that Lake Samish residents will be asked to bear to address the issues outlined in the comprehensive stormwater planning effort.	PM-2	BW	BW

Notes:

(1) Table Abbreviations:

R	Ruby Sub-Basin	RW	Roy West
S	Silver	RE	Roy East
W	Wefer	S	Summerland
B	Barnes	BW	Basin-wide
SB	South Barnes	LS	Lake Samish
P	Pacific	PM-1	Public Meeting #1
N	North	PM-2	Public Meeting #2
M	Mud		