

Most results were quite low given the amount of rainfall. Both the January 2-3 rain event and the January 11-13 rain event resulted in closures of Samish Bay due to increased river flow > 300 cfs ("CFS closures"). Both of these closures were rescinded based on water quality sampling results from the Storm Team and County personnel. Peak loading for the bigger rain on January 12 was 1.6 trillion colonies/day from the County's 1/13 sample, about one-third of the 4.7 trillion closure criteria. While we did not catch the peak of either event (both peaks occurring in the middle of the night, there were samples characterizing the beginning of each rise and early in the morning, shortly after each peak. Given the large margin of safety with these results, DOH was comfortable reopening the bay based on them.

Thursday, Jan. 2, 2014 County ambient sampling Rainfall 0.28", Samish River at 224 cfs and rising

Site Number	Site No.	Result (FC, mpn)	Duplicate	Avg	Samish River loading (trillions per day)
SCMP - Thomas Ck at Hwy 99 3	3	13			
SCMP - Thomas Ck at F&S Grade Rd 4	4	79			
SCMP - Friday Ck at Prairie 6	6	23			
SCMP - Swede Ck at Grip 8	8	70			
Samish River at Hwy 9 11	11	ND			
Parson's Ck at mouth PAR	PAR	4.5			
Samish at Parson's Creek SAMPAR	SAMPAR	13			
SCMP - Skarrup Ck at DCL SKAR	SKAR	21			
Samish River at F&S Grade Rd SAMFS	SAMFS	23			
Samish River at Thomas Road 32	32	49	23	36	0.1
SCMP - Alice Bay Pump Station 33	33	170			
SCMP - Edison Slough at School 36	36	8			
SCMP - Edison Pump Station 37	37	130			
SCMP - North Edison Pump Station 38	38	350			
SCMP - Colony Creek at Colony Rd 39	39	33	33		

Friday, Jan 3 County storm sample

Rainfall 0.71", Samish River at 675 cfs and falling

Site Number	Site No.	Result (FC, mpn)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 0800	32	49	49	49	0.8

Saturday, Jan 11, Storm Team

Rainfall 0.53", Samish River at 704 cfs and rising

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 0730	32	47.5	30	38.5	0.7

Saturday, Jan 11, Storm Team

Rainfall 0.53", Samish River at 876 cfs and steady

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 1200	32	30	10	20	0.4

Sunday, Jan 12, Storm Team

Rainfall 0.44", Samish River at 1020 cfs and rising

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 0815	32	50	110	80	1.2

Rainfall 0.89", Samish River at 1580 cfs and falling

Monday, Jan 13, County storm sample

Site Number	Site No.	Result (FC, mpn)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 1700	32	49	33	41	1.6