

Friday, 1/20/12: Skagit County ambient sampling – an abbreviated run through the slush. The results:

1/20/12 Skagit County ambient sampling, 24 rainfall = 0.11”

Location	Site Number	Fecal Coliform, cfu/100 mL	Duplicate
Samish River at Hwy 9	11	23	
Samish River at upper Prairie Rd	SAM3PR	Not sampled	
Parsons Creek at mouth	PAR	110	
Samish River above Parsons Creek	SAMPAR	4.5	
Samish River at Double Creek Ln	SAMDCL	Not sampled	
Skarrup Creek at Double Creek Ln	SKAR	Not sampled	
Samish River at 1st Prairie Rd	SAM1PR	Not sampled	
Samish River at Grip Road	SAMGRIP	Not sampled	
Swede Creek at Grip Rd	8	23	
Samish River at F&S Grade Rd	SAMFS	23	
Weir Creek Prairie Rd	WCPR	Not sampled	
Friday Creek at Prairie Rd	6	13	
Samish River at Hwy 99	SAMH99	Not sampled	
Thomas Creek at F&S Grade Rd	4	79	
Thomas Creek at Hwy 99	3	23	
Samish River at Chuckanut Drive	SAMCD	Not sampled	
Samish River at Thomas Rd	32	33	33
Alice Bay Pump Station	33	350	
Edison Slough at School	36	240	
Edison Pump Station	37	110	
North Edison Pump Station	38	1700	240
Colony Creek at Colony Road	39	17	

Low numbers in the river and streams, higher numbers in the drainage infrastructure. The North Edison drainage is next on the inspections list. Possible sources up there, in addition to the normal septic and livestock suspects, include waterfowl and chicken manure spreading.

Saturday, 1/21/12: Storm Team (Thomas Road) and Stream Team (Hwy 99, Chuckanut Dr, Bayview-Edison Rd)

Stream Team was on their regular ambient run which happened to coincide with the peak of a 750-cfs rise in the Samish (from 150 to 900 cfs). Storm Team filled in the gap by sampling at Thomas Road. The river rise far exceeded the 300-cfs criteria for a precautionary closure of the bay, and unfortunately the sample results confirmed the closure (the Thomas Road result needed to be under 215 cfu to rescind the closure).

Storm Team and Stream Team 1/21/12
24-h rainfall = 0.52" (plus snowmelt)

Location	Site Number	Fecal Coliform, cfu/100 mL	Duplicate
Samish River at Hwy 99	SAM99	324	
Samish River at Chuckanut Dr	SAMCD	510	325
Samish River at Thomas Road 0830	32	360	
Samish River at Bayview-Edison Rd (mouth)	SAMBE	219	200

Sunday, 1/22/12: Storm Team sampled both Thomas Road and Chuckanut Drive. Continued high counts despite the falling hydrograph, extending the closure of the bay.

Storm Team 1/22/12
24-h rainfall = 0.28"

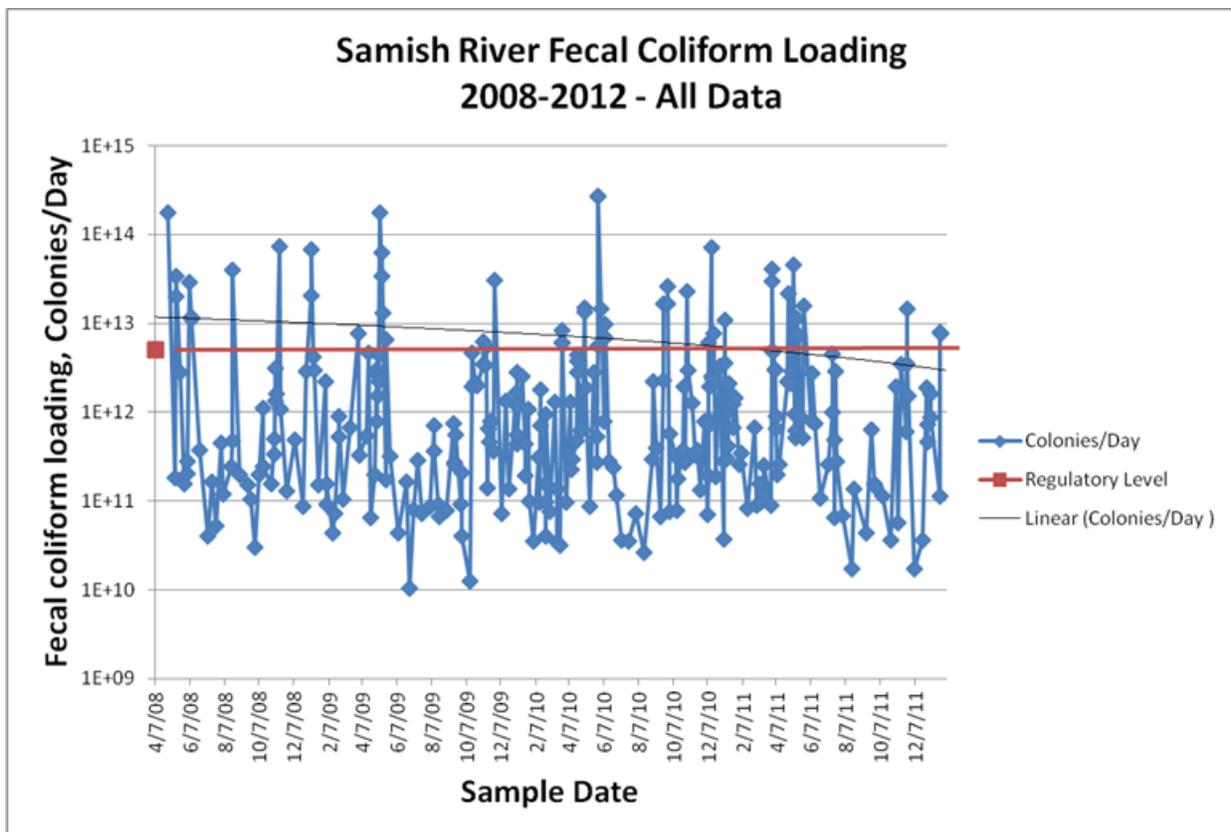
Location	Site Number	Fecal Coliform, cfu/100 mL	Duplicate
Samish River at Chuckanut Dr	SAMCD	410	200
Samish River at Thomas Road 0800	32	520	

Monday, 1/23/12: Skagit County sampled Thomas Road. Low counts lead to bay reopening scheduled for this morning.

Skagit County 1/23/12
 24-h rainfall = 0.11"

Location	Site Number	Fecal Coliform, cfu/100 mL	Duplicate
Samish River at Thomas Road 0800	32	79	49

This is obviously disappointing that we had another closure. Below is the updated fecal coliform loading chart (number of bacteria colonies per day in the lower river). This event did not crack the top 30 for the last four years and the loading amount is far less than what we have seen in past events, especially given the amount of rainfall, snowmelt, and river rise. It does reinforce the idea that we still have work to do, and we are still doing it.



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