

Tuesday, 6/7, was the normal ambient sampling run. These samples were taken during the beginning of a moderate rain event which eventually led to a 70-cfs rise in the river, but the samples were taken during the first part of the river increase. Results from this sampling were a real mixed bag, with high numbers in some locations (Friday Creek), moderate numbers elsewhere (Samish River at Thomas Road), and low numbers in a few places (Colony Creek, Edison pump station). There were no real upstream/downstream differences in the Samish River. County personnel did a windshield tour of the Friday Creek drainage on Thursday but did not report any obvious source issues.

On Wednesday, 6/8, we took a full set of Microbial Source Tracking (aka DNA) samples. These samples were obtained during the declining leg of the hydrograph after the modest rise that occurred on Tuesday afternoon/evening. The fecal coliform results showed the more typical pattern of lower counts at the upper watershed stations (Highway 9 and upper Prairie Road), with increasing counts (with a few ups and downs) further downstream. Weir Creek was particularly bad this time – there is an ongoing case in that small watershed which may be the source there. Note the seemingly large increase in river counts between Chuckanut Drive and Thomas Road. The duplicate for Thomas Road was 350 cfu (compared to the original of 540 cfu) which tempers that apparent increase somewhat.

As always, let me know if you have any questions.

6/7-8/11

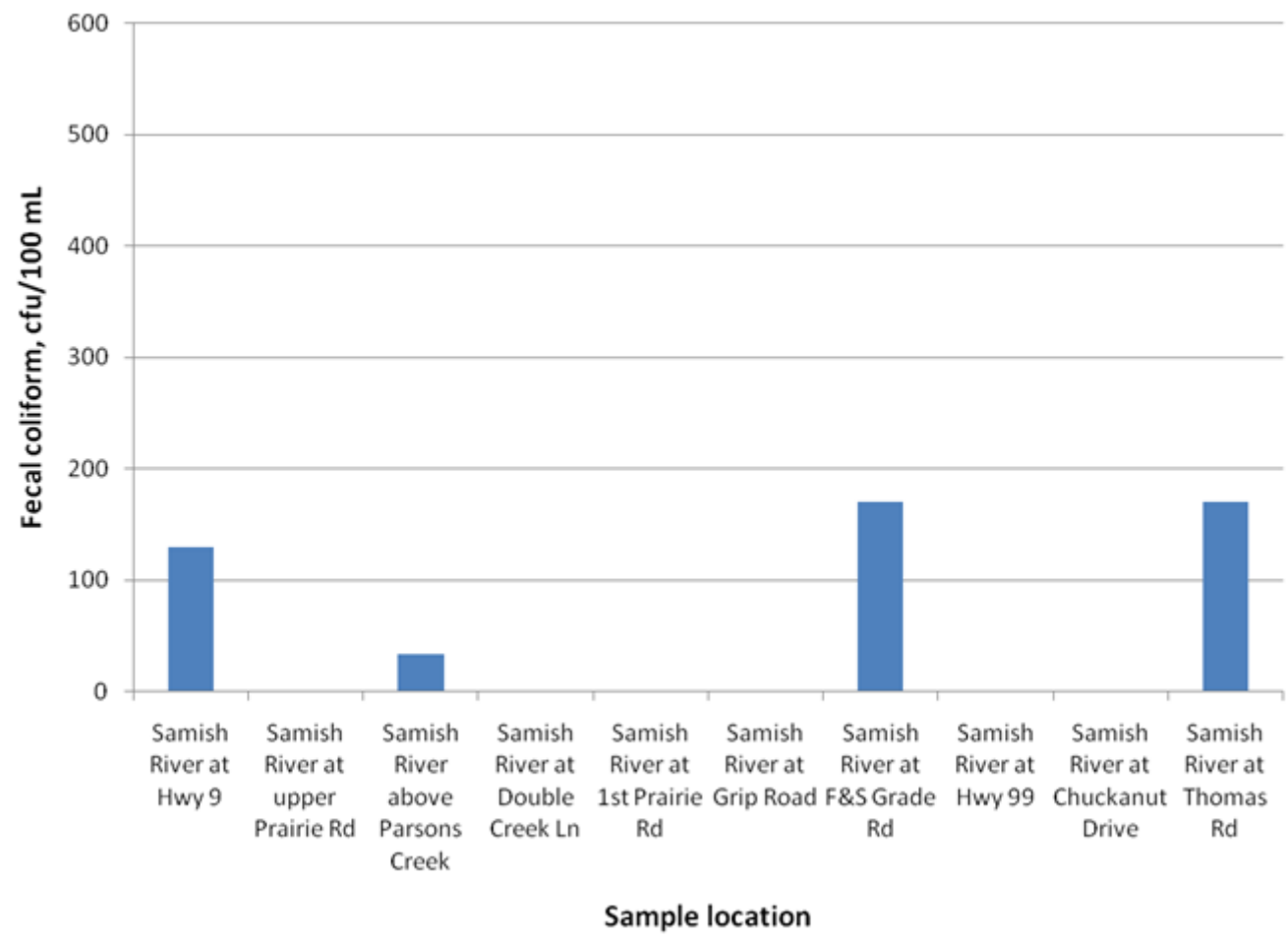
6/7/2011

6/8/2011

Location	Site Number	Fecal Coliform, cfu/100 mL	Duplicate
Samish River at Hwy 9	11	130	
Samish River at upper Prairie Rd	SAM3PR		
Parsons Creek at mouth	PAR	1600	
Samish River above Parsons Creek	SAMPAR	33	
Samish River at Double Creek Ln	SAMDCL		
Skarrup Creek at Double Creek Ln	SKAR	540	
Samish River at 1st Prairie Rd	SAM1PR		
Samish River at Grip Road	SAMGRIP		
Swede Creek at Grip Rd	8	240	
Samish River at F&S Grade Rd	SAMFS	170	
Weir Creek Prairie Rd	WCPR		
Friday Creek at Prairie Rd	6	1600	540
Samish River at Hwy 99	SAMH99		
Thomas Creek at F&S Grade Rd	4	1100	
Thomas Creek at Hwy 99	3	110	
Samish River at Chuckanut Drive	SAMCD		
Samish River at Thomas Rd	32	170	70
Alice Bay Pump Station	33	130	
Edison Slough at School	36	110	
Edison Pump Station	37	33	
North Edison Pump Station	38	540	
Colony Creek at Colony Road	39	23	

Fecal Coliform, cfu/100 mL	Duplicate
46	
79	
350	
70	
130	
350	
79	
240	
540	
240	
1600	
130	
280	240
460	
920	
240	
540	350
33	
130	
79	
220	
79	

# June 7, 2011



# June 8, 2011

