

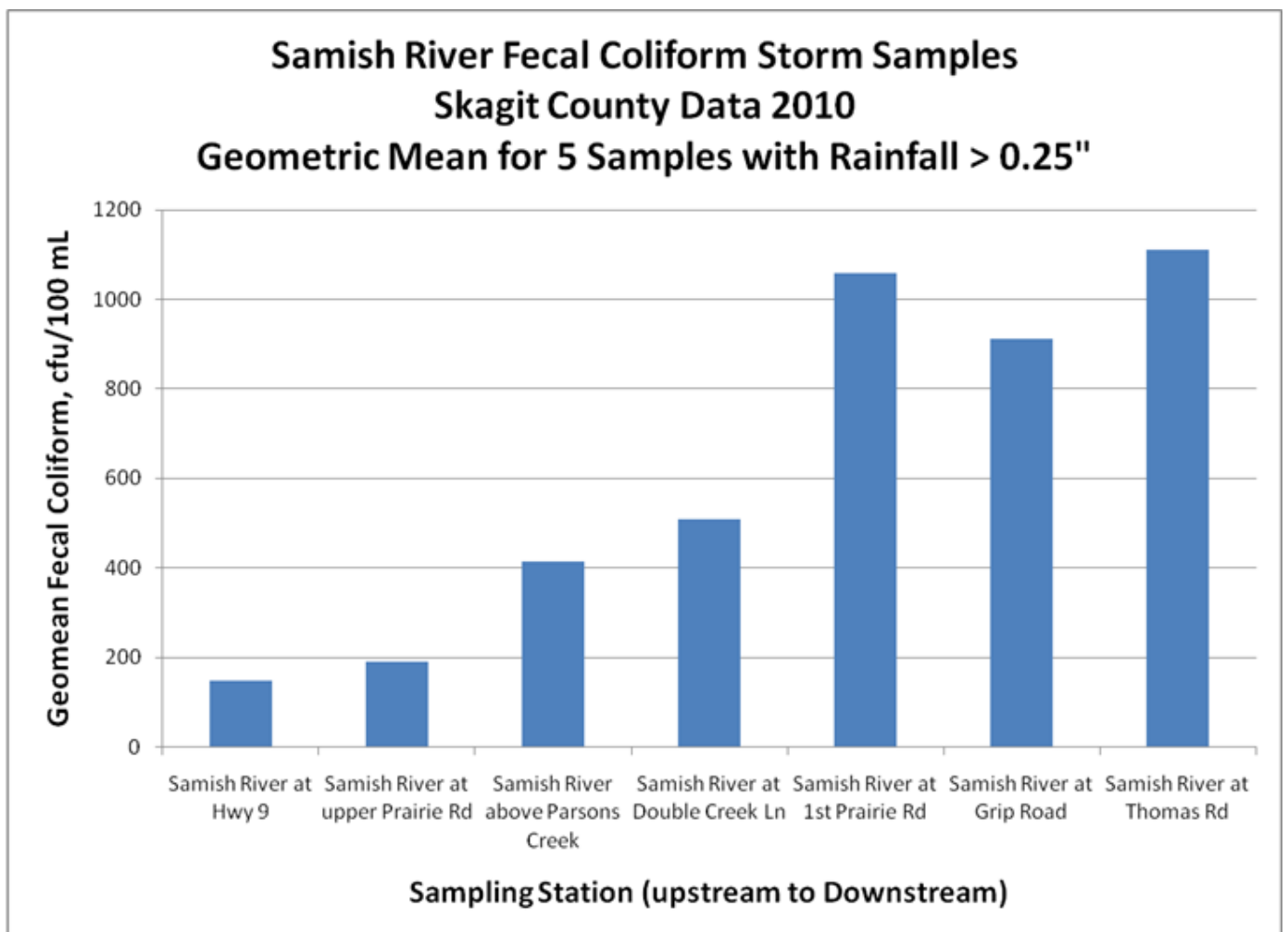
Hi again everyone

Here is a graph and a table showing the results from Skagit County fecal coliform storm sampling in the Samish Basin. The data used are from storm events between April and late September 2010 which had more than 0.25" of rain in the lowlands (as measured at Bow). Rainfall amounts were generally higher in the foothills. The graph shows the geometric mean from 5 storm events for only the river sample sites, and excludes one event where not all river stations were sampled. This demonstrates which reaches of the river are showing the biggest fecal coliform increases.

The results displayed on the graph are quite similar to the Storm Team sampling of the previous two years – relatively low FC counts at the upper stations, with significant increases between upper Prairie Road and Parsons Creek and especially between Double Creek Land and lower Prairie Road.

The most striking aspect of the raw data is the sporadic nature of the FC counts in the tributary streams – Thomas, Friday, Skarrup, and Parsons Creek. Parsons Creek in particular has been as low as 23 cfu and as high as > 16,000, and the differences are only moderately correlated with rainfall amount.

Non-rain event data is not included in this summary. In general, counts are low throughout the basin when it's not raining, although occasionally individual tributaries or drainage ditches show high FC numbers in the absence of rainfall.



## Skagit County raw fecal coliform counts for rain events, April-September 2010

	Rainfall	0.7	0.28	0.35	0.5	0.6	0.24
Location	Site Number	4/21/2010	4/27/2010	6/2/2010	8/31/2010	9/20/2010	9/28/2010
Thomas Creek at Hwy 99	3		110	1600	N/A		23
Thomas Creek at F&S Grade Road	4		240	1600	2400		1600
Friday Creek at Prairie Rd	6	500	170	110	170	130	1600
Swede Creek at Grip Rd	8	9000	80	500	900	130	500
Samish River at Hwy 9	11	900	4	30	50	400	130
Samish River at upper Prairie Rd	SAM3PR	500		30	130	900	140
Parsons Creek at mouth	PAR	3000	50	30	16001	300	23
Samish River above Parsons Creek	SAMPAR	500	50	220	140	1600	500
Samish River at Double Creek Ln	SAMDCL	900	31	170	500	500	900
Skarrup Creek at Double Creek Ln	SKAR	16000		1600	30	130	1600
Samish River at 1st Prairie Rd	SAM1PR	900		240	2400	1600	1600
Samish River at Grip Road	SAMGRIP	900	79	170	1600	1600	1600
Samish River at F&S Grade Rd	SAMFS				900	2400	900
Samish River at Hwy 99	SAMH99				300	500	500
Samish River at Thomas Rd	32	700	130	900	300	3000	3000
Alice Bay Pump Station	33		300	900	240		50
Edison Slough at School	36		239		300		1600
Edison Pump Station	37		79	1700	80		1600
North Edison Pump Station	38		130		23		3000
Colony Creek at Colony Rd	39		130	130	9000		240