

Skagit County and Storm Team sampling, Mar 25 - Apr 19, 2014

Tues Mar 25 County ambient sampling

Rainfall 0.02", Samish River at 265 cfs and steady

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
SCMP - Thomas Ck at Hwy 99 3	3	4			
SCMP - Thomas Ck at F&S Grade Rd 4	4	17			
SCMP - Friday Ck at Prairie 6	6	4.5			
SCMP - Swede Ck at Grip 8	8	6.8			
Samish River at Hwy 9 11	11	ND			
Parson's Ck at mouth PAR	PAR	7.8			
Samish at Parson's Creek SAMPAR	SAMPAR	6.8			
SCMP - Skarrup Ck at DCL SKAR	SKAR	7.8			
Samish River at F&S Grade Rd SAMFS	SAMFS	11			
Samish River at Thomas Road 32 1450	32	46	13	29.5	0.2
SCMP - Alice Bay Pump Station 33	33	23			
SCMP - Edison Slough at School 36	36	13			
SCMP - Edison Pump Station 37	37	110			
SCMP - North Edison Pump Station 38	38	240			
SCMP - Colony Creek at Colony Rd 39	39	No sample			

Fri Apr 4 County storm sample

Rainfall 0.22", Samish River at 443 cfs and rising

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 1440	32	70	700	385	4.2

Wed Apr 9 County storm sample

Rainfall 0.35", Samish River at 304 cfs and falling (peak occurred overnight)

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 0845	32	130	49	89.5	0.7

Thu Apr 10 County ambient sampling

Rainfall 0.00", Samish River at 222 cfs and steady

Site Number	Site No.	Result (FC, cfu)	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	17			
SCMP - Friday Ck at Prairie 6	6	7.8			
SCMP - Swede Ck at Grip 8	8	6.8			
Samish River at Hwy 9 11	11	9.2			
Parson's Ck at mouth PAR	PAR	14			
Samish at Parson's Creek SAMPAR	SAMPAR	4.5			
SCMP - Skarrup Ck at DCL SKAR	SKAR	13			

Samish River at F&S Grade Rd SAMFS	SAMFS	23			
Samish River at Thomas Road 32 1505	32	13	11	12	0.1
SCMP - Alice Bay Pump Station 33	33	No sample			
SCMP - Edison Slough at School 36	36	33			
SCMP - Edison Pump Station 37	37	79			
SCMP - North Edison Pump Station 38	38	79			
SCMP - Colony Creek at Colony Rd 39	39	7.8			

Thu Apr 17 County storm sample

Rainfall 0.38", Samish River at 383 cfs and rising

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 1045	32	350	920	635	6.0

Thu Apr 17 County storm sample (later)

Rainfall 0.42", Samish River at 373 cfs and steady

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 1320	32	1600	540	1070	9.8

Fri Apr 18 Storm Team

Rainfall 0.25", Samish River at 543 cfs and falling

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 0645	32	560	600	580	7.7

Sat Apr 19 Storm Team

Rainfall 0.00", Samish River at 347 cfs and falling

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd 0651	32	95	95	95	0.8

We had two significant rain events during this period – the one on April 3-4 did not result in a pollution closure, but the one on April 17-18 did exceed pollution closure criteria. So far this calendar year, we've had 12 river rise closures with 3 confirmed pollution closures. The peak observed loading, 9.8 trillion on 4/17, compares to peak loadings of 20 trillion last April, although the river flow was about twice as high during the peak event last April.

FC counts during dry periods for the last month have been extremely low.