

Skagit County and Storm Team sampling, May 5 - June 18, 2014

Tuesday, June 18 County ambient sampling

Rainfall 0.00", Samish River at 87 cfs and falling slowly

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
SCMP - Thomas Ck at Hwy 99 3	3	130			
SCMP - Thomas Ck at F&S Grade Rd 4	4	110			
SCMP - Friday Ck at Prairie 6	6	33			
SCMP - Swede Ck at Grip 8	8	79			
Samish River at Hwy 9 11	11	7.8			
Parson's Ck at mouth PAR	PAR	130			
Samish at Parson's Creek SAMPAR	SAMPAR	170			
SCMP - Skarrup Ck at DCL SKAR	SKAR	17			
Samish River at F&S Grade Rd SAMFS	SAMFS	27			
Samish River at Thomas Road 32 1445	32	63	33	48	0.1
SCMP - Alice Bay Pump Station 33	33	79			
SCMP - Edison Slough at School 36	36	350			
SCMP - Edison Pump Station 37	37	240			
SCMP - North Edison Pump Station 38	38	240			
SCMP - Colony Creek at Colony Rd 39	39	350			

Friday, June 13 Storm Team storm sample

Rainfall 0.57", Samish River at 119 cfs and peaking

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd	32	320		320	0.9

Tuesday, June 4 County Ambient

Rainfall 0.00", Samish River at 109 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	27			
SCMP - Thomas Ck at F&S Grade Rd 4	4	79			
SCMP - Friday Ck at Prairie 6	6	70			
SCMP - Swede Ck at Grip 8	8	79			
Samish River at Hwy 9 11	11	7.8			
Parson's Ck at mouth PAR	PAR	33			
Samish at Parson's Creek SAMPAR	SAMPAR	79			
SCMP - Skarrup Ck at DCL SKAR	SKAR	33			
Samish River at F&S Grade Rd SAMFS	SAMFS	140			
Samish River at Thomas Road 32 1505	32	33	70	52	0.1
SCMP - Alice Bay Pump Station 33	33	240			
SCMP - Edison Slough at School 36	36	350			
SCMP - Edison Pump Station 37	37	350			
SCMP - North Edison Pump Station 38	38	220			
SCMP - Colony Creek at Colony Rd 39	39	240			

Wed, May 28 and Thurs, May 29 County Canine samples

<u>Site/Label</u>	<u>Date</u>	<u>Description</u>	<u>FC (mpn/100 ml)</u>	<u>Canine response</u>
Bob Smith Creek near mouth	5/28/2014	BSCreek	130	Negative
EF Bob Smith Creek at Bow Hill Rd	5/28/2014	BSUp	140	Positive
WF Bob Smith Creek near Bow Hill Rd	5/28/2014	BSDark	79	Negative
Weir Creek at Prairie Rd	5/28/2014	WCPR	94	Negative
Friday Creek at first Friday Creek Rd crossing	5/28/2014	FC1	49	Negative
Butler Creek at Friday Creek Rd	5/28/2014	BCFCR	46	Negative
QC sample distilled water	5/28/2014	QC1	N/A	Negative
QC sample distilled water	5/28/2014	QC2	N/A	Negative
Quality Control sample - ~ 20 g cow manure	5/28/2014	QC3	140,000	Negative
Quality Control sample - ~ 20 g horse manure	5/28/2014	QC4	2300	Negative

Edison septic system before treatment	5/28/2014	Edsep1	>16,000	Positive
Edison septic system after UV treatment	5/28/2014	Edsep2	ND	Positive
Ditch near Edison septic system	5/28/2014	Edditch	46	Negative
Thomas Creek at F&S Grade Rd	5/28/2014	CAO4	79	Negative
Thomas Creek (NE fork) at Mosier Rd	5/28/2014	THOMOS	170	Positive
Thomas Creek at Bridgewater Rd	5/28/2014	THOBridge	240	Positive
Swede Creek at upper Grip Rd	5/28/2014	SCGrip1	130	Negative
Swede Creek a lower Grip Rd	5/28/2014	CAO8	49	Negative
Parsons Creek at mouth	5/28/2014	PAR	49	Negative
Skarrup Creek at Parsons Creek Rd	5/28/2014	SKARPCR	23	Negative
Skarrup Creek at Double Creek Ln	5/28/2014	SKAR	49	Negative
Weir Creek at Prairie Rd	5/28/2014	WCPR2	79	Negative
Wildes Creek at Friday Creek Rd	5/29/2014	WILDES	140	Negative
Silver Creek at Alger Community Hall	5/29/2014	SILVER	49	Sample lost
Cain Lake outlet	5/29/2014	CAIN	23	Negative
Butler Camp Creek at Kelleher Rd	5/29/2014	BCCR	240	Positive
South Fork Thomas Creek at Grip Rd	5/29/2014	SFTHO	540	Negative
Thomas Creek (NE Fork) at Mosier Rd	5/29/2014	THOMOS	920	Positive
Thomas Creek at Bridgewater Rd	5/29/2014	THOBridge	110	Positive
Silver Creek at Alger Community Hall	5/29/2014	SILVER2	33	Positive
EF Bob Smith Creek at Bow Hill Rd	5/29/2014	BSUp	70	Negative
Ditch draining to McElroy Slough	5/29/2014	MCEGATE	350	Positive
Estes Road ditch	5/29/2014	NE7	4	Positive
Vos drain pipe at Samish River	5/29/2014	VOSPIPE	540	Positive
Samish River at Thomas Road	5/29/2014	CAO32	130	Negative
Ditch at intersection	5/29/2014	SUNSET AND T	140	Negative
North Edison pump station	5/29/2014	CAO38	170	Positive
Edison pump station	5/29/2014	CAO37	240	Negative
Colony Creek at Colony Rd (near Colony Mt Rd	5/29/2014	CAO39	33	Negative
Edison Slough at Bow Cemetery Rd	5/29/2014	ESBCR	48	Positive

Sat, May 10 Storm Team storm follow-up

Rainfall 1.65", Samish River at 1060 cfs and falling

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd	32	138	190	164	4.3

Fri, May 9 County storm sample

Rainfall 1.39", Samish River at 2210 cfs and near peak

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd	32	1600	1600	1600	87.0

Wed, May 7 County storm follow-up

Rainfall 0.00", Samish River at 646 cfs and falling

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd	32	170	33	102	1.6

Tues, May 6 County ambient sample

Rainfall 0.00", Samish River at 888 cfs and falling

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
SCMP - Thomas Ck at Hwy 99 3	3	1600			
SCMP - Thomas Ck at F&S Grade Rd 4	4	170			
SCMP - Friday Ck at Prairie 6	6	79			
SCMP - Swede Ck at Grip 8	8	130			
Samish River at Hwy 9 11	11	33			
Parson's Ck at mouth PAR	PAR	79			
Samish at Parson's Creek SAMPAR	SAMPAR	23			
SCMP - Skarrup Ck at DCL SKAR	SKAR	79			
Samish River at F&S Grade Rd SAMFS	SAMFS	130			

Samish River at Thomas Road 32 1505	32	170	220	195	4.2
SCMP - Alice Bay Pump Station 33	33	1600			
SCMP - Edison Slough at School 36	36	1600			
SCMP - Edison Pump Station 37	37	1700			
SCMP - North Edison Pump Station 38	38	3500			
SCMP - Colony Creek at Colony Rd 39	39	70			

Mon, May 5 Storm Team

Rainfall = 0.51", Samish River at 1540 cfs and near peak

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
Samish River at Thomas Rd	32	795	860	828	31.0

Mon, May 5 County storm sample

Rainfall = 0.51", Samish River at 1570 cfs and near peak

Site Number	Site No.	Result (FC, cfu)	Duplicate	Avg	Samish River loading (trillions per day)
SCMP - Thomas Ck at Hwy 99 3	3	3500			
SCMP - Thomas Ck at F&S Grade Rd 4	4	1600			
SCMP - Friday Ck at Prairie 6	6	2400			
SCMP - Swede Ck at Grip 8	8	920			
Samish River at Hwy 9 11	11	79			
Samish River at 3rd Prairie Rd crossing	SAM3PR	170			
Parson's Ck at mouth PAR	PAR	170			
Samish River at Parson's Creek SAMPAR	SAMPAR	280			
Samish River at Double Creek Ln	SAMDCL	350			
SCMP - Skarrup Ck at DCL SKAR	SKAR	920			
Samish River at 1st Prairie Rd crossing	SAM1PR	350			
Samish River at Grip Rd	SAMGRIP	350			
Samish River at F&S Grade Rd SAMFS	SAMFS	240			
Samish River at Hwy 99	SAM99	920			
Samish River at Chuckanut Dr	SAMCD	2400			

Samish River at Thomas Road 32 1505	32	2400	3500	2950	113.0
Weir Creek at Prairie Rd	WCPR	1600			
Bob Smith Creek at WDFW access	BSCreek	16,000			
Bob Smith Creek (EF) at Bow Hill Rd	BSUp	540			
Bob Smith Creek (WF) at Bow Hill Rd (Darrk Ln)	BSDark	130			
Willard Creek at F&S Grade Rd	WILL	24,000			
Swede Creek at upper Grip Rd	SCGRIP1	540			
Swede Creek at Hoogdal Branch Rd	SCHB	540			
Skarrup Creek at Parsons Creek Rd	SCPCR	920			