

Appendix A – Summary Statistics

Water Year 2004 – 2024

Samish Bay Watershed

	Temp (°C)	DO (mg/L)	DO Percent (%)	Cond. (µS/cm)	Salinity (psu)	pH	Turbidity (NTU)	Fecal Coliform (MPN / 100 mL)	E. coli (MPN / 100 mL)	NO ₃ ⁻ + NO ₂ ⁻ (mg/L)	NH ₃ (mg/L)	TKN (mg/L)	OP (mg/L)	TP (mg/L)	TSS (mg/L)
Site 11	Upper Samish River														
n	540	537	538	532	541	514	498	540	102	128	129	129	128	129	128
Mean	8.9	8.67	74.4	73	0.0	7.01	3.3	48	36	0.297	0.03	0.30	0.014	0.06	7
Std. Dev.	3.4	1.31	7.7	20	0.0	0.30	8.2	227	70	0.118	0.03	0.18	0.013	0.04	32
Minimum	0.8	4.70	45.1	22	0.0	6.00	0.0	1	1	0.070	0.01	0.25	0.005	0.05	2
Maximum	17.2	12.56	96.2	129	0.1	8.11	155.0	5000	540	0.790	0.12	1.77	0.070	0.36	333
Range	16.4	7.86	51.1	107	0.1	2.11	155.0	4999	539	0.720	0.11	1.52	0.065	0.31	331
Std. Error	0.1	0.06	0.3	1	0.0	0.01	0.4	10	7	0.010	0.00	0.02	0.001	0.00	3
Geomean								15	15						
Site 8	Swede Creek														
n	538	534	535	525	539	509	496	537	102	129	129	129	129	129	129
Mean	9.6	10.73	92.7	70	0.0	7.14	13.0	164	91	0.437	0.04	0.47	0.026	0.06	12
Std. Dev.	4.4	1.76	7.8	19	0.0	0.29	19.0	384	233	0.369	0.03	0.33	0.023	0.03	31
Minimum	0.1	5.62	59.5	33	0.0	5.99	2.0	1	2	0.030	0.01	0.25	0.005	0.05	2
Maximum	18.5	15.14	112.0	161	0.1	8.41	224.0	5000	1600	2.170	0.17	2.93	0.140	0.26	282
Range	18.4	9.52	52.5	128	0.1	2.42	222.0	4999	1598	2.140	0.16	2.68	0.135	0.21	280
Std. Error	0.2	0.08	0.3	1	0.0	0.01	0.9	17	23	0.033	0.00	0.03	0.002	0.00	3
Geomean								57	34						
Site 6	Friday Creek														
n	537	529	531	533	537	509	495	536	101	129	129	129	129	129	129
Mean	10.5	11.28	100.2	80	0.0	7.29	5.7	103	49	0.494	0.03	0.37	0.024	0.06	9
Std. Dev.	4.7	1.29	5.4	21	0.0	0.38	9.3	270	160	0.296	0.05	0.23	0.083	0.05	27
Minimum	0.1	6.95	65.5	42	0.0	6.26	0.3	1	2	0.017	0.01	0.25	0.005	0.05	2
Maximum	20.1	15.35	119.8	141	0.1	8.72	118.0	3000	1600	1.640	0.49	1.92	0.950	0.40	238
Range	20.0	8.40	54.3	99	0.1	2.46	117.7	2999	1598	1.623	0.48	1.67	0.945	0.35	236
Std. Error	0.2	0.06	0.2	1	0.0	0.02	0.4	12	16	0.026	0.00	0.02	0.007	0.00	2
Geomean								35	23						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

	<i>Temp</i> (°C)	<i>DO</i> (mg/L)	<i>DO Percent</i> (%)	<i>Cond.</i> (μS/cm)	<i>Salinity</i> (psu)	<i>pH</i>	<i>Turbidity</i> (NTU)	<i>Fecal Coliform</i> (MPN / 100 mL)	<i>E. coli</i> (MPN / 100 mL)	<i>NO₃⁻ + NO₂⁻</i> (mg/L)	<i>NH₃</i> (mg/L)	<i>TKN</i> (mg/L)	<i>OP</i> (mg/L)	<i>TP</i> (mg/L)	<i>TSS</i> (mg/L)
Site 4	Upper Thomas Creek														
<i>n</i>	536	532	533	525	534	509	494	532	101	129	129	129	129	129	129
<i>Mean</i>	9.4	11.13	96.3	125	0.1	7.22	18.6	609	289	1.006	0.04	0.48	0.045	0.07	15
<i>Std. Dev.</i>	3.8	1.28	5.7	51	0.1	0.32	27.7	1845	542	0.313	0.04	0.28	0.034	0.05	31
<i>Minimum</i>	0.0	6.73	61.6	48	0.0	6.29	0.8	5	8	0.005	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	16.6	15.17	128.4	222	0.1	8.20	291.0	23000	3500	2.110	0.25	2.22	0.170	0.38	248
<i>Range</i>	16.6	8.44	66.8	174	0.1	1.91	290.2	22995	3492	2.105	0.24	1.97	0.165	0.33	246
<i>Std. Error</i>	0.2	0.06	0.2	2	0.0	0.01	1.2	80	54	0.028	0.00	0.02	0.003	0.00	3
<i>Geomean</i>								176	121						
Site 3	Lower Thomas Creek														
<i>n</i>	534	529	530	527	533	504	490	533	102	128	128	128	127	128	127
<i>Mean</i>	10.7	6.57	57.0	151	0.1	6.94	14.6	402	149	0.570	0.11	0.76	0.037	0.08	9
<i>Std. Dev.</i>	4.7	3.21	25.6	58	0.0	0.24	13.2	4030	304	0.526	0.13	0.50	0.028	0.06	14
<i>Minimum</i>	0.9	0.03	0.4	3	0.0	6.17	1.0	1	2	0.005	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	22.0	13.51	124.3	446	0.2	7.68	113.0	92000	1700	2.220	0.92	3.68	0.180	0.44	90
<i>Range</i>	21.1	13.48	123.9	444	0.2	1.51	112.0	91999	1698	2.215	0.91	3.43	0.175	0.39	88
<i>Std. Error</i>	0.2	0.14	1.1	3	0.0	0.01	0.6	175	30	0.047	0.01	0.04	0.002	0.01	1
<i>Geomean</i>								54	39						
Site 32	Lower Samish River														
<i>n</i>	539	531	533	536	538	507	496	539	101	128	130	130	128	130	128
<i>Mean</i>	10.8	10.90	97.6	97	0.0	7.52	10.2	155	59	0.586	0.05	0.37	0.026	0.07	19
<i>Std. Dev.</i>	4.7	1.12	9.1	26	0.1	0.44	17.1	798	69	0.205	0.07	0.23	0.025	0.06	38
<i>Minimum</i>	1.2	6.86	14.1	45	0.0	6.50	0.8	2	1	0.220	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	21.6	14.99	150.0	146	0.8	8.73	181.0	17000	350	1.690	0.68	1.60	0.160	0.47	229
<i>Range</i>	20.4	8.13	135.9	101	0.8	2.23	180.2	16998	349	1.470	0.67	1.35	0.155	0.42	227
<i>Std. Error</i>	0.2	0.05	0.4	1	0.0	0.02	0.8	34	7	0.018	0.01	0.02	0.002	0.01	3
<i>Geomean</i>								52	34						
Site 39	Colony Creek														
<i>n</i>	538	532	534	527	538	507	493	537	102	128	128	128	128	128	128
<i>Mean</i>	9.7	10.82	93.7	133	0.0	7.19	15.0	430	191	0.866	0.06	0.58	0.057	0.10	37
<i>Std. Dev.</i>	4.4	1.81	8.1	84	0.1	0.31	34.9	1593	341	0.625	0.05	0.63	0.050	0.16	186
<i>Minimum</i>	0.0	6.11	58.3	44	0.0	6.19	0.3	1	1	0.100	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	20.5	15.52	116.4	398	0.2	7.97	377.0	16000	1600	3.020	0.34	4.96	0.210	1.70	1996
<i>Range</i>	20.5	9.41	58.1	353	0.2	1.78	376.7	15999	1599	2.920	0.33	4.71	0.205	1.65	1994
<i>Std. Error</i>	0.2	0.08	0.4	4	0.0	0.01	1.6	69	34	0.055	0.00	0.06	0.004	0.01	16
<i>Geomean</i>								66	36						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

	<i>Temp</i> (°C)	<i>DO</i> (mg/L)	<i>DO Percent</i> (%)	<i>Cond.</i> (μS/cm)	<i>Salinity</i> (psu)	<i>pH</i>	<i>Turbidity</i> (NTU)	<i>Fecal Coliform</i> (MPN / 100 mL)	<i>E. coli</i> (MPN / 100 mL)	<i>NO₃⁻ + NO₂⁻</i> (mg/L)	<i>NH₃</i> (mg/L)	<i>TKN</i> (mg/L)	<i>OP</i> (mg/L)	<i>TP</i> (mg/L)	<i>TSS</i> (mg/L)
Site 38	North Edison Drainage														
<i>n</i>	529	502	518	523	528	500	488	529	101	127	127	126	127	127	127
<i>Mean</i>	12.9	6.78	80.1	17983	10.9	7.25	38.2	636	441	0.531	1.25	2.95	0.570	0.94	54
<i>Std. Dev.</i>	5.8	4.70	76.9	13883	9.0	0.85	120.3	1988	849	0.961	0.78	1.04	0.693	0.85	70
<i>Minimum</i>	1.7	0.00	0.0	112	0.0	5.60	1.8	1	4	0.005	0.02	0.96	0.005	0.05	5
<i>Maximum</i>	26.1	37.78	455.1	45856	29.8	9.20	2300.0	30000	5400	9.540	4.24	7.04	3.190	3.78	524
<i>Range</i>	24.4	37.78	455.1	45744	29.8	3.60	2298.2	29999	5396	9.535	4.22	6.08	3.185	3.73	519
<i>Std. Error</i>	0.3	0.21	3.4	607	0.4	0.04	5.4	86	84	0.085	0.07	0.09	0.061	0.08	6
<i>Geomean</i>								154	118						
Site 36	Edison Slough														
<i>n</i>	536	525	532	523	534	505	492	536	102	127	127	128	128	128	128
<i>Mean</i>	13.7	9.06	97.5	13958	8.5	7.32	9.8	251	190	0.480	0.21	1.20	0.329	0.45	19
<i>Std. Dev.</i>	7.7	3.61	58.1	15876	10.1	0.74	6.9	586	350	0.988	0.32	0.68	0.510	0.60	20
<i>Minimum</i>	0.1	1.88	21.1	13	0.0	5.94	0.6	1	4	0.005	0.01	0.51	0.005	0.05	2
<i>Maximum</i>	32.4	26.00	359.2	44950	29.1	9.58	49.3	9200	2400	10.000	2.51	4.82	2.730	2.81	95
<i>Range</i>	32.3	24.12	338.1	44937	29.1	3.64	48.7	9199	2396	9.995	2.50	4.31	2.725	2.76	93
<i>Std. Error</i>	0.3	0.16	2.5	694	0.4	0.03	0.3	25	35	0.088	0.03	0.06	0.045	0.05	2
<i>Geomean</i>								75	73						
Site 37	South Edison Drainage														
<i>n</i>	533	512	529	528	531	503	493	534	102	128	128	127	128	128	128
<i>Mean</i>	13.4	6.98	79.2	10767	6.4	7.33	41.2	443	366	0.839	1.43	3.31	0.478	0.84	43
<i>Std. Dev.</i>	6.6	4.10	65.4	11379	7.2	0.67	108.0	986	610	1.268	1.02	5.06	0.589	0.83	47
<i>Minimum</i>	1.8	0.04	0.6	172	0.1	6.16	2.2	1	2	0.005	0.01	0.25	0.005	0.17	7
<i>Maximum</i>	27.5	25.00	387.3	44758	28.9	9.35	1567.0	16000	3500	9.630	6.71	58.30	3.220	4.26	250
<i>Range</i>	25.7	24.96	386.7	44586	28.8	3.19	1564.8	15999	3498	9.625	6.70	58.05	3.215	4.09	243
<i>Std. Error</i>	0.3	0.18	2.8	495	0.3	0.03	4.9	43	60	0.112	0.09	0.45	0.052	0.07	4
<i>Geomean</i>								170	116						
Site 33	Alice Bay Drainage														
<i>n</i>	534	510	529	525	533	505	493	532	102	125	126	126	125	126	125
<i>Mean</i>	13.4	9.00	105.6	25765	16.0	7.18	26.7	162	88	0.729	1.16	2.90	0.280	0.54	44
<i>Std. Dev.</i>	6.4	4.65	73.2	13921	9.2	0.83	51.7	365	232	1.151	0.82	1.77	0.334	0.51	34
<i>Minimum</i>	0.4	0.41	4.0	204	0.1	5.66	2.6	1	1	0.005	0.01	0.74	0.005	0.05	2
<i>Maximum</i>	27.3	24.55	361.2	52822	30.5	9.64	910.0	5000	1600	10.000	3.94	17.80	1.710	2.59	241
<i>Range</i>	26.9	24.14	357.2	52618	30.4	3.98	907.4	4999	1599	9.995	3.93	17.06	1.705	2.54	239
<i>Std. Error</i>	0.3	0.21	3.2	608	0.4	0.04	2.3	16	23	0.103	0.07	0.16	0.030	0.05	3
<i>Geomean</i>								49	25						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

Padilla Bay Watershed

	Temp (°C)	DO (mg/L)	DO Percent (%)	Cond. (µS/cm)	Salinity (psu)	pH	Turbidity (NTU)	Fecal Coliform (MPN / 100 mL)	E. coli (MPN / 100 mL)	NO ₃ ⁻ + NO ₂ ⁻ (mg/L)	NH ₃ (mg/L)	TKN (mg/L)	OP (mg/L)	TP (mg/L)	TSS (mg/L)
Site 49	Middle Joe Leary Slough														
n	77	76	76	77	77	75	77	76	76	12	12	12	12	12	12
Mean	11.6	4.51	41.0	344	0.2	6.99	36.0	209	109	1.437	0.62	1.38	0.092	0.27	29
Std. Dev.	3.5	1.48	12.7	46	0.0	0.23	23.0	279	148	2.038	0.27	0.55	0.053	0.21	34
Minimum	4.8	0.73	7.5	214	0.1	6.45	2.9	4	2	0.100	0.26	0.58	0.040	0.06	6
Maximum	19.3	7.96	70.0	415	0.2	7.41	149.0	1600	920	6.774	1.04	2.63	0.220	0.76	122
Range	14.5	7.23	62.5	201	0.1	0.96	146.1	1596	918	6.674	0.78	2.05	0.180	0.70	116
Std. Error	0.4	0.17	1.5	5	0.0	0.03	2.6	32	17	0.588	0.08	0.16	0.015	0.06	10
Geomean								103	56						
Site 50	Lower Joe Leary Slough														
n	77	77	77	77	77	75	77	76	76	11	11	11	11	11	11
Mean	12.6	5.69	53.3	1061	0.5	6.98	29.3	279	154	1.399	0.40	1.08	0.082	0.18	13
Std. Dev.	4.8	1.91	19.2	1536	0.8	0.29	16.6	425	301	1.814	0.30	0.55	0.033	0.07	5
Minimum	4.2	0.26	2.9	8	0.0	6.05	3.5	13	8	0.009	0.01	0.36	0.040	0.06	4
Maximum	21.9	10.01	111.9	8032	4.5	7.50	105.2	2400	2400	5.879	0.85	2.02	0.160	0.26	24
Range	17.7	9.75	109.0	8024	4.5	1.45	101.7	2387	2392	5.870	0.84	1.66	0.120	0.20	20
Std. Error	0.6	0.22	2.2	175	0.1	0.03	1.9	49	35	0.547	0.09	0.17	0.010	0.02	2
Geomean								135	73						
Site 34	No Name Slough														
n	528	523	523	518	526	499	491	522	101	125	125	125	125	125	125
Mean	12.0	6.84	62.8	16477	10.4	7.04	15.0	446	228	0.461	0.25	1.39	0.475	0.59	25
Std. Dev.	6.3	3.72	33.3	18260	11.9	0.59	15.2	1224	584	0.692	0.29	0.73	0.958	0.85	31
Minimum	0.1	0.00	0.0	31	0.0	5.39	0.9	1	1	0.005	0.01	0.25	0.005	0.05	2
Maximum	27.0	22.31	224.8	56800	38.0	8.71	211.0	16000	3500	4.140	1.70	5.34	7.500	4.62	233
Range	26.9	22.31	224.8	56769	38.0	3.32	210.1	15999	3499	4.135	1.69	5.09	7.495	4.57	231
Std. Error	0.3	0.16	1.5	802	0.5	0.03	0.7	54	58	0.062	0.03	0.06	0.086	0.08	3
Geomean								101	44						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

	<i>Temp</i> (°C)	<i>DO</i> (mg/L)	<i>DO Percent</i> (%)	<i>Cond.</i> (µS/cm)	<i>Salinity</i> (psu)	<i>pH</i>	<i>Turbidity</i> (NTU)	<i>Fecal Coliform</i> (MPN / 100 mL)	<i>E. coli</i> (MPN / 100 mL)	<i>NO₃⁻ + NO₂⁻</i> (mg/L)	<i>NH₃</i> (mg/L)	<i>TKN</i> (mg/L)	<i>OP</i> (mg/L)	<i>TP</i> (mg/L)	<i>TSS</i> (mg/L)
Site 52	Little Indian Slough														
<i>n</i>	72	71	71	72	72	70	72	72	72	11	11	11	11	11	11
<i>Mean</i>	9.7	6.16	53.6	537	0.3	7.00	51.6	1159	592	0.295	0.56	1.97	0.116	0.49	53
<i>Std. Dev.</i>	4.3	2.36	20.6	231	0.1	0.38	186.3	2508	1288	0.289	0.70	1.18	0.122	0.45	53
<i>Minimum</i>	0.3	0.25	2.3	0	0.0	6.41	2.2	1	1	0.008	0.03	0.69	0.010	0.10	11
<i>Maximum</i>	18.7	10.25	103.7	1608	0.8	8.00	1594.0	16000	7000	0.809	2.56	3.91	0.430	1.59	199
<i>Range</i>	18.4	10.00	101.4	1608	0.8	1.59	1591.8	15999	6999	0.801	2.53	3.22	0.420	1.49	188
<i>Std. Error</i>	0.5	0.28	2.4	27	0.0	0.05	22.0	296	152	0.087	0.21	0.36	0.037	0.14	16
<i>Geomean</i>								225	114						
Site 40	Big Indian Slough														
<i>n</i>	530	527	527	529	529	502	493	525	103	124	125	125	124	125	124
<i>Mean</i>	10.9	4.85	42.8	359	0.2	6.78	22.5	593	271	0.715	0.35	0.98	0.084	0.13	10
<i>Std. Dev.</i>	4.1	2.09	16.8	249	1.3	0.32	14.0	7067	1001	0.505	0.21	0.37	0.074	0.07	9
<i>Minimum</i>	0.9	0.10	1.0	93	0.0	5.42	2.5	1	2	0.005	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	22.1	11.97	124.6	3748	27.8	7.92	150.0	160000	9200	2.250	0.84	2.10	0.490	0.37	54
<i>Range</i>	21.2	11.87	123.6	3655	27.8	2.50	147.5	159999	9198	2.245	0.83	1.85	0.485	0.32	52
<i>Std. Error</i>	0.2	0.09	0.7	11	0.1	0.01	0.6	308	99	0.045	0.02	0.03	0.007	0.01	1
<i>Geomean</i>								68	59						
Site 47	Swinomish Channel														
<i>n</i>	541	536	537	541	541	511	502	535	102	129	129	129	129	129	129
<i>Mean</i>	10.7	8.71	89.2	34248	21.5	7.28	5.2	10	12	0.196	0.06	0.32	0.049	0.08	31
<i>Std. Dev.</i>	3.3	1.07	8.8	6325	4.4	0.65	5.8	21	26	0.115	0.03	0.22	0.074	0.04	21
<i>Minimum</i>	3.3	5.48	62.0	11027	6.4	5.29	0.6	1	1	0.005	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	19.3	11.41	115.4	45590	29.1	8.13	80.2	350	240	0.690	0.17	1.84	0.830	0.40	140
<i>Range</i>	16.0	5.93	53.4	34563	22.7	2.84	79.6	349	239	0.685	0.16	1.59	0.825	0.35	138
<i>Std. Error</i>	0.1	0.05	0.4	272	0.2	0.03	0.3	1	3	0.010	0.00	0.02	0.007	0.00	2
<i>Geomean</i>								5	5						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

Middle Skagit Watershed

	Temp (°C)	DO (mg/L)	DO Percent (%)	Cond. (µS/cm)	Salinity (psu)	pH	Turbidity (NTU)	Fecal Coliform (MPN / 100 mL)	E. coli (MPN / 100 mL)	NO ₃ ⁻ + NO ₂ ⁻ (mg/L)	NH ₃ (mg/L)	TKN (mg/L)	OP (mg/L)	TP (mg/L)	TSS (mg/L)
Site 25	Red Cabin Creek														
n	428	425	427	426	427	410	396	424	75	106	106	106	106	106	106
Mean	7.5	11.87	99.0	67	0.0	7.23	2.9	43	24	0.523	0.02	0.29	0.015	0.06	9
Std. Dev.	2.4	0.80	4.8	21	0.0	0.43	19.6	156	54	0.207	0.02	0.14	0.016	0.04	42
Minimum	1.9	9.40	84.0	17	0.0	6.05	0.0	1	1	0.044	0.01	0.25	0.005	0.05	2
Maximum	13.9	14.51	133.8	110	0.1	8.64	291.0	2400	350	1.400	0.16	1.18	0.090	0.44	410
Range	12.0	5.11	49.8	93	0.1	2.59	291.0	2399	349	1.356	0.15	0.93	0.085	0.39	408
Std. Error	0.1	0.04	0.2	1	0.0	0.02	1.0	8	6	0.020	0.00	0.01	0.002	0.00	4
Geomean								8	7						
Site 24	Mannser Creek														
n	537	534	535	531	538	514	496	532	101	129	129	129	129	129	129
Mean	8.8	6.86	58.8	108	0.1	6.94	1.9	43	33	0.228	0.02	0.34	0.032	0.06	4
Std. Dev.	3.0	1.42	11.5	22	0.1	0.31	1.8	89	52	0.119	0.02	0.52	0.059	0.03	5
Minimum	0.8	1.97	18.5	1	0.0	5.98	0.0	1	1	0.005	0.01	0.25	0.005	0.05	2
Maximum	15.6	12.40	104.2	408	0.2	8.12	25.7	920	350	0.560	0.08	6.00	0.590	0.33	36
Range	14.8	10.43	85.7	406	0.2	2.14	25.7	919	349	0.555	0.07	5.75	0.585	0.28	34
Std. Error	0.1	0.06	0.5	1	0.0	0.01	0.1	4	5	0.010	0.00	0.05	0.005	0.00	0
Geomean								16	15						
Site 23	Wiseman Creek														
n	482	479	480	476	482	456	444	479	89	119	120	120	120	120	119
Mean	8.1	11.93	100.3	74	0.0	7.24	11.5	88	98	0.900	0.02	0.33	0.016	0.08	25
Std. Dev.	3.5	1.09	4.8	19	0.0	0.36	74.5	320	313	0.332	0.03	0.20	0.022	0.11	102
Minimum	0.7	7.52	61.7	15	0.0	6.06	0.0	1	1	0.294	0.01	0.25	0.005	0.05	2
Maximum	16.2	15.77	136.7	218	0.1	8.52	1072.0	5000	2400	2.210	0.33	1.52	0.160	0.91	640
Range	15.5	8.25	75.0	203	0.1	2.46	1072.0	4999	2399	1.916	0.32	1.27	0.155	0.86	638
Std. Error	0.2	0.05	0.2	1	0.0	0.02	3.5	15	33	0.030	0.00	0.02	0.002	0.01	9
Geomean								13	14						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

	<i>Temp</i> (°C)	<i>DO</i> (mg/L)	<i>DO Percent</i> (%)	<i>Cond.</i> (µS/cm)	<i>Salinity</i> (psu)	<i>pH</i>	<i>Turbidity</i> (NTU)	<i>Fecal Coliform</i> (MPN / 100 mL)	<i>E. coli</i> (MPN / 100 mL)	<i>NO₃⁻ + NO₂⁻</i> (mg/L)	<i>NH₃</i> (mg/L)	<i>TKN</i> (mg/L)	<i>OP</i> (mg/L)	<i>TP</i> (mg/L)	<i>TSS</i> (mg/L)
Site 22	Upper Coal Creek														
<i>n</i>	535	531	532	525	534	512	497	534	101	127	128	128	127	128	127
<i>Mean</i>	8.3	11.82	99.8	81	0.0	7.21	9.5	73	57	0.612	0.02	0.31	0.014	0.07	20
<i>Std. Dev.</i>	3.9	1.25	5.0	23	0.0	0.46	58.9	267	177	0.315	0.02	0.19	0.018	0.10	83
<i>Minimum</i>	0.0	8.33	73.2	18	0.0	5.54	0.0	1	1	0.005	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	15.7	15.60	137.0	160	0.1	8.55	1138.0	5000	1600	2.230	0.15	1.50	0.120	0.79	650
<i>Range</i>	15.7	7.27	63.8	142	0.1	3.01	1138.0	4999	1599	2.225	0.14	1.25	0.115	0.74	648
<i>Std. Error</i>	0.2	0.05	0.2	1	0.0	0.02	2.6	12	18	0.028	0.00	0.02	0.002	0.01	7
<i>Geomean</i>								12	9						
Site 21	Lower Coal Creek														
<i>n</i>	460	459	459	449	460	434	422	456	80	112	112	112	112	112	112
<i>Mean</i>	8.1	11.20	93.7	81	0.0	7.10	11.8	285	246	0.740	0.03	0.33	0.019	0.06	20
<i>Std. Dev.</i>	4.1	1.48	5.8	23	0.2	0.29	56.9	621	514	0.312	0.03	0.18	0.029	0.06	65
<i>Minimum</i>	0.1	6.61	68.1	38	0.0	6.07	0.0	1	2	0.201	0.01	0.25	0.005	0.03	2
<i>Maximum</i>	17.5	15.05	115.9	230	3.9	8.32	1005.0	5000	3500	2.090	0.26	1.30	0.230	0.49	438
<i>Range</i>	17.4	8.44	47.8	192	3.9	2.25	1005.0	4999	3498	1.889	0.25	1.05	0.225	0.46	436
<i>Std. Error</i>	0.2	0.07	0.3	1	0.0	0.01	2.8	29	57	0.029	0.00	0.02	0.003	0.01	6
<i>Geomean</i>								77	67						
Site 20	Upper Hansen Creek														
<i>n</i>	536	534	535	530	536	509	492	533	102	129	129	129	129	129	129
<i>Mean</i>	9.0	11.20	96.2	81	0.0	7.13	13.2	114	83	0.455	0.03	0.35	0.023	0.11	54
<i>Std. Dev.</i>	3.7	1.19	4.7	22	0.0	0.30	67.5	228	194	0.250	0.03	0.30	0.031	0.25	219
<i>Minimum</i>	0.5	7.34	66.5	40	0.0	6.08	0.0	1	1	0.050	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	16.2	14.67	115.6	199	0.1	8.18	900.0	3000	1600	1.300	0.15	2.20	0.270	1.90	1720
<i>Range</i>	15.7	7.33	49.1	159	0.1	2.10	900.0	2999	1599	1.250	0.14	1.95	0.265	1.85	1718
<i>Std. Error</i>	0.2	0.05	0.2	1	0.0	0.01	3.0	10	19	0.022	0.00	0.03	0.003	0.02	19
<i>Geomean</i>								44	30						
Site 19	Lower Hansen Creek														
<i>n</i>	498	495	496	486	498	472	460	496	83	122	122	122	122	123	122
<i>Mean</i>	9.2	10.25	88.0	82	0.0	7.08	12.8	206	97	0.408	0.04	0.41	0.024	0.08	36
<i>Std. Dev.</i>	4.4	1.51	7.4	18	0.0	0.30	61.4	405	148	0.226	0.03	0.58	0.036	0.15	135
<i>Minimum</i>	0.1	4.71	48.0	39	0.0	6.06	0.2	1	7	0.030	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	19.4	14.34	110.0	229	0.1	8.64	848.0	5000	920	1.100	0.14	6.14	0.360	1.07	902
<i>Range</i>	19.3	9.63	62.0	190	0.1	2.58	847.8	4999	913	1.070	0.13	5.89	0.355	1.02	900
<i>Std. Error</i>	0.2	0.07	0.3	1	0.0	0.01	2.9	18	16	0.020	0.00	0.05	0.003	0.01	12
<i>Geomean</i>								75	48						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

Nookachamps Watershed

	Temp (°C)	DO (mg/L)	DO Percent (%)	Cond. (µS/cm)	Salinity (psu)	pH	Turbidity (NTU)	Fecal Coliform (MPN / 100 mL)	E. coli (MPN / 100 mL)	NO ₃ ⁻ + NO ₂ ⁻ (mg/L)	NH ₃ (mg/L)	TKN (mg/L)	OP (mg/L)	TP (mg/L)	TSS (mg/L)
Site 18	Lake Creek														
n	540	534	535	538	540	510	503	538	103	129	129	129	129	129	129
Mean	10.0	11.07	97.0	91	0.0	7.44	2.9	174	79	0.444	0.03	0.36	0.020	0.05	5
Std. Dev.	4.1	1.35	5.6	26	0.0	0.30	4.0	821	155	0.208	0.02	0.30	0.019	0.01	9
Minimum	0.6	7.43	74.7	44	0.0	6.40	0.0	1	1	0.050	0.01	0.25	0.005	0.05	2
Maximum	21.9	14.43	128.6	174	0.1	8.34	47.8	16000	920	0.970	0.10	3.22	0.110	0.10	72
Range	21.3	7.00	53.9	130	0.1	1.94	47.8	15999	919	0.920	0.09	2.97	0.105	0.05	70
Std. Error	0.2	0.06	0.2	1	0.0	0.01	0.2	35	15	0.018	0.00	0.03	0.002	0.00	1
Geomean								41	22						
Site 17	Upper Nookachamps Creek (Big Lake Outlet)														
n	539	533	534	536	539	506	501	535	103	129	129	129	129	129	129
Mean	12.8	9.96	92.0	87	0.0	7.42	2.5	43	43	0.228	0.04	0.43	0.016	0.05	4
Std. Dev.	6.0	1.94	9.9	13	0.0	0.30	1.9	110	113	0.221	0.03	0.20	0.024	0.01	4
Minimum	0.9	4.94	51.8	49	0.0	6.44	0.2	1	1	0.005	0.01	0.25	0.005	0.05	2
Maximum	26.9	14.94	123.9	222	0.1	8.46	13.7	1600	920	0.900	0.18	1.23	0.230	0.14	32
Range	26.0	10.00	72.1	172	0.1	2.02	13.5	1599	919	0.895	0.17	0.98	0.225	0.09	30
Std. Error	0.3	0.08	0.4	1	0.0	0.01	0.1	5	11	0.019	0.00	0.02	0.002	0.00	0
Geomean								14	13						
Site 15	Middle Nookachamps Creek														
n	537	531	532	536	537	507	500	535	101	129	129	129	129	129	129
Mean	12.0	8.08	72.1	114	0.0	7.21	5.0	161	61	0.307	0.09	0.60	0.054	0.08	6
Std. Dev.	5.5	3.48	27.2	38	0.0	0.26	3.7	394	93	0.270	0.08	0.27	0.087	0.05	5
Minimum	1.4	0.26	2.6	69	0.0	6.50	1.2	1	1	0.005	0.01	0.25	0.005	0.05	2
Maximum	25.3	14.07	116.4	329	0.2	7.92	62.4	5400	540	1.010	0.54	1.72	0.870	0.38	34
Range	23.9	13.81	113.8	260	0.2	1.42	61.2	5399	539	1.005	0.53	1.47	0.865	0.33	32
Std. Error	0.2	0.15	1.2	2	0.0	0.01	0.2	17	9	0.024	0.01	0.02	0.008	0.00	0
Geomean								65	30						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

	<i>Temp</i> (°C)	<i>DO</i> (mg/L)	<i>DO Percent</i> (%)	<i>Cond.</i> (µS/cm)	<i>Salinity</i> (psu)	<i>pH</i>	<i>Turbidity</i> (NTU)	<i>Fecal Coliform</i> (MPN / 100 mL)	<i>E. coli</i> (MPN / 100 mL)	<i>NO₃⁻ + NO₂⁻</i> (mg/L)	<i>NH₃</i> (mg/L)	<i>TKN</i> (mg/L)	<i>OP</i> (mg/L)	<i>TP</i> (mg/L)	<i>TSS</i> (mg/L)
Site 16	Upper East Fork Nookachamps														
<i>n</i>	539	534	535	534	539	509	502	536	103	128	128	128	128	128	128
<i>Mean</i>	9.5	11.49	99.5	91	0.0	7.41	3.7	129	105	0.321	0.03	0.32	0.017	0.05	6
<i>Std. Dev.</i>	4.7	1.33	5.8	34	0.0	0.30	8.1	735	337	0.208	0.03	0.15	0.023	0.02	20
<i>Minimum</i>	0.1	7.13	67.5	29	0.0	6.42	0.0	1	1	0.005	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	20.5	15.33	126.2	194	0.1	8.38	82.6	16000	3100	1.090	0.19	1.31	0.220	0.29	190
<i>Range</i>	20.4	8.20	58.7	165	0.1	1.96	82.6	15999	3099	1.085	0.18	1.06	0.215	0.24	188
<i>Std. Error</i>	0.2	0.06	0.2	1	0.0	0.01	0.4	32	33	0.018	0.00	0.01	0.002	0.00	2
<i>Geomean</i>								26	22						
Site 13	Lower East Fork Nookachamps														
<i>n</i>	535	532	533	532	536	506	500	534	103	128	128	128	128	128	128
<i>Mean</i>	10.3	9.51	83.5	94	0.0	7.25	5.0	129	84	0.295	0.05	0.38	0.014	0.05	6
<i>Std. Dev.</i>	5.2	1.98	13.8	30	0.0	0.29	7.5	269	139	0.216	0.04	0.16	0.012	0.01	12
<i>Minimum</i>	0.3	2.01	22.5	38	0.0	6.43	0.0	1	2	0.005	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	24.0	12.96	110.4	182	0.1	8.08	84.6	3000	920	0.970	0.24	0.92	0.060	0.10	113
<i>Range</i>	23.7	10.95	87.9	143	0.1	1.65	84.6	2999	918	0.965	0.23	0.67	0.055	0.05	111
<i>Std. Error</i>	0.2	0.09	0.6	1	0.0	0.01	0.3	12	14	0.019	0.00	0.01	0.001	0.00	1
<i>Geomean</i>								49	36						
Site 12	Lower Nookachamps Creek														
<i>n</i>	515	509	511	513	515	485	481	514	103	124	124	124	124	124	124
<i>Mean</i>	11.1	9.01	79.8	107	0.0	7.16	7.6	130	97	0.360	0.07	0.48	0.023	0.06	9
<i>Std. Dev.</i>	5.6	2.20	14.2	36	0.0	0.27	13.2	218	154	0.231	0.05	0.22	0.020	0.04	15
<i>Minimum</i>	0.7	1.90	22.0	11	0.0	6.40	1.5	2	2	0.010	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	24.8	13.29	113.6	239	0.1	8.07	208.0	2400	920	0.940	0.34	1.44	0.100	0.40	156
<i>Range</i>	24.1	11.39	91.6	228	0.1	1.67	206.5	2398	918	0.930	0.33	1.19	0.095	0.35	154
<i>Std. Error</i>	0.2	0.10	0.6	2	0.0	0.01	0.6	10	15	0.021	0.00	0.02	0.002	0.00	1
<i>Geomean</i>								64	45						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

Lower Skagit Watershed

	Temp (°C)	DO (mg/L)	DO Percent (%)	Cond. (µS/cm)	Salinity (psu)	pH	Turbidity (NTU)	Fecal Coliform (MPN / 100 mL)	E. coli (MPN / 100 mL)	NO ₃ ⁻ + NO ₂ ⁻ (mg/L)	NH ₃ (mg/L)	TKN (mg/L)	OP (mg/L)	TP (mg/L)	TSS (mg/L)
Site 51	Upper Carpenter Creek														
n	77	77	77	77	77	75	77	77	77	12	12	12	12	12	12
Mean	10.0	9.40	80.3	303	0.1	7.40	3.6	210	112	0.568	0.02	0.38	0.043	0.06	4
Std. Dev.	4.3	3.63	27.7	110	0.1	0.31	2.0	367	195	0.522	0.01	0.18	0.021	0.01	1
Minimum	0.3	1.38	13.9	45	0.0	6.68	0.8	13	5	0.005	0.01	0.25	0.020	0.05	2
Maximum	18.6	15.10	113.0	513	0.4	7.90	13.2	2400	1600	1.870	0.03	0.86	0.090	0.09	6
Range	18.3	13.72	99.1	468	0.4	1.22	12.4	2387	1595	1.865	0.02	0.61	0.070	0.04	4
Std. Error	0.5	0.41	3.2	13	0.0	0.04	0.2	42	22	0.151	0.00	0.05	0.006	0.00	0
Geomean								110	61						
Site 42	Lower Carpenter Creek														
n	539	534	535	536	539	508	501	533	102	129	129	129	129	128	129
Mean	11.3	8.14	72.9	187	0.1	7.30	3.8	169	102	0.562	0.07	0.55	0.044	0.07	3
Std. Dev.	5.7	2.29	17.2	52	0.0	0.31	4.1	825	168	0.505	0.05	0.25	0.037	0.06	3
Minimum	0.1	2.05	19.1	4	0.0	6.30	0.0	1	4	0.005	0.01	0.25	0.005	0.05	1
Maximum	23.1	12.66	114.0	365	0.4	8.74	47.2	16000	920	1.960	0.30	1.78	0.210	0.46	28
Range	23.0	10.61	94.9	360	0.4	2.44	47.2	15999	916	1.955	0.29	1.53	0.205	0.41	27
Std. Error	0.2	0.10	0.7	2	0.0	0.01	0.2	36	17	0.044	0.00	0.02	0.003	0.01	0
Geomean								54	46						
Site 48	Fisher Creek														
n	540	536	537	537	541	511	503	535	103	129	129	128	129	129	129
Mean	9.2	11.18	96.3	164	0.1	7.51	3.0	200	142	0.621	0.08	0.61	0.204	0.20	5
Std. Dev.	3.5	1.34	5.2	64	0.1	0.32	4.4	761	325	0.495	0.04	0.28	0.187	0.18	10
Minimum	0.3	7.53	62.4	55	0.0	6.56	0.0	1	1	0.005	0.01	0.25	0.005	0.05	2
Maximum	15.8	16.77	114.7	272	1.1	8.18	40.7	16000	2000	2.250	0.17	1.38	0.630	0.81	98
Range	15.5	9.24	52.3	216	1.1	1.62	40.7	15999	1999	2.245	0.16	1.13	0.625	0.76	96
Std. Error	0.1	0.06	0.2	3	0.0	0.01	0.2	33	32	0.044	0.00	0.02	0.016	0.02	1
Geomean								73	43						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

	<i>Temp</i> (°C)	<i>DO</i> (mg/L)	<i>DO Percent</i> (%)	<i>Cond.</i> (µS/cm)	<i>Salinity</i> (psu)	<i>pH</i>	<i>Turbidity</i> (NTU)	<i>Fecal Coliform</i> (MPN / 100 mL)	<i>E. coli</i> (MPN / 100 mL)	<i>NO₃⁻ + NO₂⁻</i> (mg/L)	<i>NH₃</i> (mg/L)	<i>TKN</i> (mg/L)	<i>OP</i> (mg/L)	<i>TP</i> (mg/L)	<i>TSS</i> (mg/L)
Site 41	Maddox Creek/Big Ditch														
<i>n</i>	541	536	537	537	541	510	503	539	103	129	129	129	128	129	129
<i>Mean</i>	12.0	6.21	57.9	514	0.2	7.19	18.3	179	177	1.030	0.37	1.19	0.089	0.18	11
<i>Std. Dev.</i>	5.1	2.12	21.6	463	0.2	0.36	26.7	558	321	1.046	0.37	0.74	0.076	0.13	16
<i>Minimum</i>	0.4	0.05	0.6	34	0.0	6.20	1.9	1	2	0.005	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	23.7	12.32	122.3	8358	4.7	8.80	268.0	9200	1600	3.460	1.52	3.03	0.340	0.72	110
<i>Range</i>	23.3	12.27	121.7	8324	4.7	2.60	266.1	9199	1598	3.455	1.51	2.78	0.335	0.67	108
<i>Std. Error</i>	0.2	0.09	0.9	20	0.0	0.02	1.2	24	32	0.092	0.03	0.07	0.007	0.01	1
<i>Geomean</i>								62	62						
Site 44	Sullivan Slough														
<i>n</i>	537	530	533	534	537	508	500	533	103	128	129	129	128	129	128
<i>Mean</i>	11.5	6.67	64.8	9946	5.9	7.21	33.8	219	100	0.663	0.67	1.44	0.128	0.27	27
<i>Std. Dev.</i>	4.3	2.70	30.3	9174	5.8	0.45	82.5	345	119	1.019	0.58	0.75	0.312	0.47	35
<i>Minimum</i>	0.5	0.09	0.8	201	0.1	5.80	1.5	1	2	0.005	0.01	0.25	0.005	0.05	4
<i>Maximum</i>	22.2	19.82	237.9	40199	26.5	9.08	1345.0	2400	540	7.210	3.10	4.50	3.500	5.00	280
<i>Range</i>	21.7	19.73	237.1	39998	26.4	3.28	1343.5	2399	538	7.205	3.09	4.25	3.495	4.95	276
<i>Std. Error</i>	0.2	0.12	1.3	397	0.3	0.02	3.7	15	12	0.090	0.05	0.07	0.028	0.04	3
<i>Geomean</i>								83	51						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

Skagit River

	Temp (°C)	DO (mg/L)	DO Percent (%)	Cond. (µS/cm)	Salinity (psu)	pH	Turbidity (NTU)	Fecal Coliform (MPN / 100 mL)	E. coli (MPN / 100 mL)	NO ₃ ⁻ + NO ₂ ⁻ (mg/L)	NH ₃ (mg/L)	TKN (mg/L)	OP (mg/L)	TP (mg/L)	TSS (mg/L)
Site 30	Skagit River near Hamilton														
n	539	536	537	537	539	516	497	531	101	128	128	128	128	128	128
Mean	8.7	11.22	95.6	59	0.0	7.16	8.2	12	10	0.087	0.01	0.27	0.014	0.06	21
Std. Dev.	3.4	1.14	6.7	17	0.0	0.39	20.3	31	17	0.073	0.01	0.12	0.020	0.06	56
Minimum	0.0	7.03	6.2	3	0.0	5.94	0.0	1	1	0.005	0.01	0.25	0.005	0.05	2
Maximum	16.3	14.24	118.0	145	0.1	8.49	238.0	540	110	0.650	0.07	1.34	0.170	0.49	501
Range	16.3	7.21	111.8	142	0.1	2.55	238.0	539	109	0.645	0.06	1.09	0.165	0.44	499
Std. Error	0.1	0.05	0.3	1	0.0	0.02	0.9	1	2	0.006	0.00	0.01	0.002	0.01	5
Geomean								4	5						
Site 29	Skagit River near Mount Vernon														
n	538	532	533	533	538	508	499	532	102	127	127	127	127	126	127
Mean	9.1	11.20	96.3	56	0.0	7.24	10.7	42	66	0.081	0.04	0.31	0.012	0.06	22
Std. Dev.	3.8	1.12	5.1	12	0.0	0.52	34.0	141	192	0.049	0.24	0.23	0.014	0.05	55
Minimum	0.2	7.51	73.1	29	0.0	5.81	0.8	1	1	0.005	0.01	0.25	0.005	0.05	2
Maximum	17.6	14.59	111.3	114	0.1	8.84	608.0	1600	1600	0.200	2.65	2.10	0.100	0.40	383
Range	17.4	7.08	38.2	85	0.1	3.03	607.2	1599	1599	0.195	2.64	1.85	0.095	0.35	381
Std. Error	0.2	0.05	0.2	1	0.0	0.02	1.5	6	19	0.004	0.02	0.02	0.001	0.00	5
Geomean								10	13						
Site 45	North Fork Skagit River														
n	524	516	516	518	520	493	489	519	102	125	125	125	125	125	125
Mean	9.4	11.28	97.4	56	0.0	7.66	9.8	14	10	0.079	0.02	0.29	0.061	0.01	18
Std. Dev.	4.0	1.18	4.9	11	0.0	0.41	30.4	26	12	0.048	0.02	0.16	0.062	0.02	45
Minimum	1.4	7.35	76.0	31	0.0	6.48	0.6	1	1	0.005	0.01	0.25	0.010	0.00	2
Maximum	18.1	14.61	120.1	113	0.1	9.10	576.0	350	79	0.190	0.10	1.34	0.600	0.16	452
Range	16.7	7.26	44.1	83	0.1	2.62	575.5	349	78	0.185	0.09	1.09	0.590	0.16	450
Std. Error	0.2	0.05	0.2	0	0.0	0.02	1.4	1	1	0.004	0.00	0.01	0.006	0.00	4
Geomean								7	6						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids

	<i>Temp</i> (°C)	<i>DO</i> (mg/L)	<i>DO Percent</i> (%)	<i>Cond.</i> (µS/cm)	<i>Salinity</i> (psu)	<i>pH</i>	<i>Turbidity</i> (NTU)	<i>Fecal Coliform</i> (MPN / 100 mL)	<i>E. coli</i> (MPN / 100 mL)	<i>NO₃⁻ + NO₂⁻</i> (mg/L)	<i>NH₃</i> (mg/L)	<i>TKN</i> (mg/L)	<i>OP</i> (mg/L)	<i>TP</i> (mg/L)	<i>TSS</i> (mg/L)
Site 46	South Fork Skagit River														
<i>n</i>	530	526	527	527	528	499	496	530	102	126	126	126	126	126	126
<i>Mean</i>	9.5	11.28	97.8	56	0.0	7.58	8.2	25	32	0.086	0.02	0.28	0.012	0.06	15
<i>Std. Dev.</i>	4.0	1.11	4.3	11	0.0	0.38	11.0	60	82	0.063	0.02	0.16	0.011	0.02	27
<i>Minimum</i>	1.4	8.40	80.7	30	0.0	6.38	0.9	1	1	0.005	0.01	0.25	0.005	0.05	2
<i>Maximum</i>	18.3	13.94	112.3	112	0.3	8.91	109.0	540	540	0.510	0.10	1.66	0.050	0.23	231
<i>Range</i>	16.9	5.54	31.6	83	0.3	2.53	108.1	539	539	0.505	0.09	1.41	0.045	0.18	229
<i>Std. Error</i>	0.2	0.05	0.2	0	0.0	0.02	0.5	3	8	0.006	0.00	0.01	0.001	0.00	2
<i>Geomean</i>								10	11						

Temp = Water Temperature, DO = Dissolved Oxygen, NO₃⁻ + NO₂⁻ = Nitrate + Nitrite, NH₃ = Ammonia, TKN = Total Kjeldahl Nitrogen, OP = Orthophosphate, TP = Total Phosphate, TSS = Total Suspended Solids