APPENDIX H

Summary Statistics for Metals Measured at Sites in the Green-Duwamish Watershed in 2001 and 2002

Table H1. Summary statistics for dissolved aluminum concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.006	0.002	0.010	0.003	0.003	0.008	0.005	0.002	0.002	0.009	0.010	0.006	n.a.	75.0
E319	16	0.007	0.002	0.030	0.007	0.004	0.011	0.005	0.002	0.003	0.008	0.020	0.005	n.a.	93.8
A307	13	0.005	0.003	0.010	0.002	0.004	0.007	0.005	0.003	0.003	0.007	0.008	0.003	n.a.	100.0
C317	5	0.004	0.002	0.009	0.003	0.001	0.007	0.003	0.002	0.002	0.005	0.009	0.003	n.a.	60.0
A317	14	0.004	0.002	0.010	0.003	0.003	0.006	0.003	0.002	0.002	0.006	0.009	0.004	n.a.	50.0
A326	7	0.018	0.006	0.030	0.012	0.007	0.028	0.010	0.006	0.008	0.030	0.030	0.022	n.a.	100.0
B317	13	0.007	0.003	0.020	0.004	0.004	0.010	0.005	0.003	0.005	0.008	0.010	0.003	n.a.	100.0
A315	5	0.005	0.002	0.010	0.003	0.001	0.009	0.003	0.002	0.003	0.007	0.010	0.005	n.a.	80.0
A330	7	0.007	0.003	0.010	0.003	0.004	0.009	0.006	0.003	0.004	0.010	0.010	0.006	n.a.	100.0
A320	5	0.006	0.003	0.010	0.003	0.002	0.011	0.005	0.003	0.004	0.010	0.010	0.006	n.a.	100.0
Y320	10	0.014	0.008	0.020	0.005	0.010	0.018	0.010	0.009	0.010	0.020	0.020	0.010	n.a.	100.0
F321	6	0.006	0.002	0.020	0.007	-0.001	0.014	0.002	0.002	0.002	0.010	0.020	0.008	n.a.	50.0
0322	13	0.012	0.002	0.040	0.012	0.004	0.019	0.005	0.002	0.003	0.020	0.030	0.017	n.a.	100.0
D322	13	0.016	0.004	0.030	0.010	0.010	0.022	0.020	0.004	0.007	0.023	0.030	0.016	n.a.	100.0
B322	2	0.022	0.005	0.040	0.025	-0.202	0.247	0.022	0.005	0.005	0.040	0.040	0.035	n.a.	100.0
I322B	10	0.009	0.006	0.010	0.002	0.007	0.010	0.010	0.006	0.006	0.010	0.010	0.004	n.a.	100.0
S322	5	0.007	0.004	0.010	0.003	0.003	0.010	0.005	0.004	0.005	0.010	0.010	0.005	n.a.	100.0
A341	8	0.007	0.006	0.009	0.001	0.006	0.009	0.007	0.005	0.006	0.009	0.009	0.002	n.a.	100.0
All	164	0.009	0.002	0.040	0.008	0.007	0.010	0.006	0.002	0.004	0.010	0.020	0.006	n.a.	89.6
Storm Flow															
A310	8	0.006	0.002	0.011	0.004	0.003	0.009	0.005	0.002	0.004	0.010	0.011	0.006	n.a.	87.5
E319	13	0.019	0.007	0.050	0.014	0.010	0.027	0.010	0.008	0.009	0.020	0.040	0.011	n.a.	100.0
A307	12	0.030	0.008	0.060	0.016	0.019	0.040	0.030	0.009	0.015	0.040	0.050	0.025	n.a.	100.0
C317	4	0.012	0.008	0.020	0.005	0.003	0.021	0.010	0.008	0.009	0.015	0.020	0.006	n.a.	100.0
A317	13	0.014	0.006	0.030	0.008	0.009	0.019	0.010	0.007	0.009	0.020	0.030	0.011	n.a.	100.0
A326	5	0.036	0.010	0.080	0.030	-0.001	0.073	0.030	0.010	0.010	0.050	0.080	0.040	n.a.	100.0
B317	7	0.013	0.009	0.020	0.005	0.008	0.017	0.010	0.009	0.010	0.020	0.020	0.010	n.a.	100.0
A315	4	0.008	0.006	0.010	0.002	0.005	0.011	0.009	0.006	0.007	0.010	0.010	0.003	n.a.	100.0
A330	5	0.021	0.003	0.040	0.018	-0.002	0.043	0.010	0.003	0.010	0.040	0.040	0.030	n.a.	100.0
A320	4	0.013	0.004	0.030	0.011	-0.005	0.032	0.010	0.004	0.007	0.020	0.030	0.013	n.a.	100.0
Y320	12	0.047	0.010	0.090	0.024	0.032	0.062	0.040	0.030	0.030	0.065	0.080	0.035	n.a.	100.0
F321	3	0.080	0.060	0.110	0.026	0.014	0.146	0.070	0.060	0.060	0.110	0.110	0.050	n.a.	100.0
0322	16	0.051	0.002	0.120	0.038	0.031	0.072	0.052	0.004	0.010	0.084	0.100	0.074	n.a.	100.0
D322	10	0.083	0.017	0.120	0.031	0.060	0.105	0.090	0.035	0.069	0.105	0.115	0.037	n.a.	100.0
B322	5	0.090	0.050	0.120	0.030	0.053	0.127	0.080	0.050	0.080	0.120	0.120	0.040	n.a.	100.0
I322B	11	0.039	0.010	0.070	0.018	0.028	0.051	0.040	0.020	0.024	0.050	0.060	0.026	n.a.	100.0
S322	3	0.043	0.005	0.070	0.034	-0.041	0.127	0.053	0.005	0.005	0.070	0.070	0.065	n.a.	100.0
A341	4	0.038	0.020	0.060	0.021	0.005	0.070	0.035	0.020	0.020	0.055	0.060	0.035	n.a.	100.0
All	139	0.036	0.002	0.120	0.032	0.030	0.041	0.030	0.007	0.010	0.053	0.081	0.043	n.a.	99.3

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H2. Summary statistics for total aluminum concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.318	0.020	1.390	0.374	0.080	0.555	0.212	0.050	0.090	0.380	0.563	0.2900	75.0	100.0
E319	16	0.141	0.020	0.640	0.197	0.036	0.246	0.040	0.020	0.020	0.150	0.490	0.1300	37.5	100.0
A307	13	0.139	0.020	0.533	0.154	0.046	0.232	0.067	0.040	0.060	0.143	0.400	0.0833	38.5	100.0
C317	5	0.312	0.070	1.060	0.425	-0.215	0.839	0.110	0.070	0.070	0.250	1.060	0.1800	60.0	100.0
A317	14	0.085	0.010	0.430	0.106	0.024	0.146	0.050	0.020	0.030	0.100	0.150	0.0700	28.6	100.0
A326	7	0.069	0.020	0.150	0.054	0.019	0.118	0.040	0.020	0.020	0.120	0.150	0.1000	42.9	100.0
B317	13	0.235	0.040	1.120	0.311	0.047	0.422	0.110	0.040	0.060	0.180	0.530	0.1200	61.5	100.0
A315	5	0.232	0.040	0.620	0.256	-0.086	0.550	0.080	0.040	0.050	0.370	0.620	0.3200	40.0	100.0
A330	7	0.144	0.090	0.210	0.046	0.102	0.187	0.130	0.090	0.100	0.190	0.210	0.0900	100.0	100.0
A320	5	0.074	0.020	0.120	0.048	0.015	0.133	0.080	0.020	0.030	0.120	0.120	0.0900	40.0	100.0
Y320	10	0.187	0.040	0.540	0.173	0.063	0.311	0.100	0.040	0.050	0.320	0.445	0.2700	50.0	100.0
F321	6	0.028	0.010	0.060	0.025	0.002	0.054	0.015	0.010	0.010	0.060	0.060	0.0500	0.0	100.0
0322	13	0.099	0.010	0.230	0.080	0.051	0.147	0.080	0.020	0.030	0.160	0.230	0.1300	46.2	100.0
D322	13	0.177	0.040	0.814	0.197	0.058	0.296	0.118	0.080	0.092	0.160	0.210	0.0680	84.6	100.0
B322	2	0.150	0.020	0.280	0.184	-1.502	1.802	0.150	0.020	0.020	0.280	0.280	0.2600	50.0	100.0
I322B	10	0.183	0.010	1.380	0.422	-0.119	0.485	0.050	0.010	0.030	0.090	0.740	0.0600	30.0	100.0
S322	5	0.031	0.020	0.040	0.009	0.019	0.042	0.030	0.020	0.023	0.040	0.040	0.0167	0.0	100.0
A341	8	0.138	0.097	0.170	0.030	0.112	0.163	0.140	0.097	0.110	0.167	0.170	0.0567	100.0	100.0
All	164	0.157	0.010	1.390	0.223	0.122	0.191	0.090	0.020	0.040	0.160	0.391	0.1200	50.6	100.0
Storm Flow															
A310	8	0.377	0.040	1.195	0.366	0.071	0.683	0.298	0.040	0.132	0.460	1.195	0.3275	12.5	100.0
E319	13	1.252	0.040	5.850	1.570	0.304	2.201	0.890	0.050	0.250	1.850	2.150	1.6000	53.8	100.0
A307	12	2.959	0.420	19.800	5.429	-0.490	6.409	1.094	0.452	0.468	2.740	3.980	2.2722	58.3	100.0
C317	4	0.418	0.180	0.880	0.328	-0.104	0.939	0.305	0.180	0.185	0.650	0.880	0.4650	25.0	100.0
A317	13	0.808	0.120	1.750	0.530	0.488	1.128	0.760	0.170	0.200	1.160	1.430	0.9600	53.8	100.0
A326	5	0.434	0.050	1.100	0.419	-0.086	0.954	0.410	0.050	0.110	0.500	1.100	0.3900	20.0	100.0
B317	7	1.403	0.190	2.550	0.998	0.480	2.326	1.530	0.190	0.190	2.530	2.550	2.3400	71.4	100.0
A315	4	0.768	0.080	1.400	0.542	-0.096	1.631	0.795	0.080	0.405	1.130	1.400	0.7250	50.0	100.0
A330	5	0.996	0.140	2.360	0.922	-0.149	2.141	0.500	0.140	0.460	1.520	2.360	1.0600	40.0	100.0
A320	4	0.255	0.020	0.610	0.252	-0.146	0.656	0.195	0.020	0.090	0.420	0.610	0.3300	0.0	100.0
Y320	12	0.571	0.170	1.350	0.300	0.380	0.761	0.570	0.260	0.376	0.660	0.728	0.2837	8.3	100.0
F321	3	0.587	0.140	1.420	0.722	-1.208	2.381	0.200	0.140	0.140	1.420	1.420	1.2800	33.3	100.0
0322	16	1.083	0.040	4.790	1.261	0.412	1.755	0.704	0.080	0.425	1.058	3.455	0.6326	43.8	100.0
D322	10	0.705	0.230	2.113	0.674	0.222	1.187	0.363	0.245	0.284	0.776	1.937	0.4923	30.0	100.0
B322	5	0.740	0.300	1.830	0.626	-0.037	1.517	0.510	0.300	0.380	0.680	1.830	0.3000	20.0	100.0
I322B	11	0.524	0.040	1.410	0.406	0.251	0.796	0.499	0.130	0.210	0.867	0.920	0.6567	27.3	100.0
S322	3	0.639	0.010	1.638	0.875	-1.533	2.812	0.270	0.010	0.010	1.638	1.638	1.6282	33.3	100.0
A341	4	0.628	0.100	0.840	0.353	0.066	1.189	0.785	0.100	0.440	0.815	0.840	0.3750	75.0	100.0
All	139	0.971	0.010	19.800	1.844	0.661	1.280	0.550	0.118	0.260	1.115	1.854	0.8550	38.1	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H3. Summary statistics for dissolved arsenic concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0006	0.00038	0.00078	0.00012	0.00048	0.00063	0.00053	0.00044	0.00050	0.00061	0.00074	0.00011	0.0	75.0
E319	16	0.0005	0.00025	0.00087	0.00019	0.00044	0.00064	0.00050	0.00028	0.00042	0.00068	0.00080	0.00026	0.0	68.8
A307	13	0.0010	0.00089	0.00110	0.00008	0.00097	0.00106	0.00102	0.00091	0.00095	0.00109	0.00110	0.00014	0.0	100.0
C317	5	0.0007	0.00053	0.00080	0.00011	0.00057	0.00084	0.00071	0.00053	0.00070	0.00079	0.00080	0.00010	0.0	100.0
A317	14	0.0008	0.00061	0.00110	0.00013	0.00070	0.00085	0.00075	0.00063	0.00068	0.00087	0.00090	0.00019	0.0	100.0
A326	7	0.0009	0.00070	0.00112	0.00015	0.00076	0.00105	0.00094	0.00070	0.00072	0.00102	0.00112	0.00030	0.0	100.0
B317	13	0.0008	0.00063	0.00103	0.00013	0.00077	0.00092	0.00084	0.00064	0.00078	0.00094	0.00099	0.00016	0.0	100.0
A315	5	0.0006	0.00048	0.00081	0.00013	0.00045	0.00077	0.00056	0.00048	0.00055	0.00066	0.00081	0.00011	0.0	100.0
A330	7	0.0009	0.00064	0.00106	0.00017	0.00074	0.00105	0.00099	0.00064	0.00068	0.00102	0.00106	0.00034	0.0	100.0
A320	5	0.0009	0.00055	0.00110	0.00025	0.00055	0.00117	0.00095	0.00055	0.00064	0.00105	0.00110	0.00041	0.0	100.0
Y320	10	0.0005	0.00030	0.00075	0.00015	0.00043	0.00066	0.00050	0.00033	0.00046	0.00070	0.00073	0.00024	0.0	70.0
F321	6	0.0005	0.00045	0.00057	0.00004	0.00049	0.00057	0.00054	0.00045	0.00052	0.00055	0.00057	0.00003	0.0	100.0
0322	13	0.0005	0.00040	0.00067	0.00009	0.00047	0.00057	0.00050	0.00040	0.00050	0.00060	0.00063	0.00010	0.0	76.9
D322	13	0.0005	0.00031	0.00061	0.00007	0.00046	0.00055	0.00051	0.00046	0.00050	0.00054	0.00057	0.00004	0.0	84.6
B322	2	0.0004	0.00033	0.00052	0.00013	-0.00077	0.00162	0.00042	0.00033	0.00033	0.00052	0.00052	0.00019	0.0	100.0
I322B	10	0.0005	0.00029	0.00056	0.00010	0.00038	0.00053	0.00050	0.00030	0.00034	0.00052	0.00055	0.00018	0.0	60.0
S322	5	0.0005	0.00037	0.00050	0.00007	0.00036	0.00054	0.00050	0.00037	0.00038	0.00050	0.00050	0.00012	0.0	40.0
A341	8	0.0003	0.00010	0.00050	0.00021	0.00012	0.00048	0.00030	0.00010	0.00010	0.00050	0.00050	0.00040	0.0	0.0
All	164	0.0006	0.00010	0.00112	0.00023	0.00061	0.00068	0.00059	0.00038	0.00050	0.00080	0.00100	0.00030	0.0	81.1
Storm Flow															
A310	8	0.0006	0.00044	0.00077	0.00010	0.00048	0.00065	0.00054	0.00044	0.00050	0.00060	0.00077	0.00011	0.0	100.0
E319	13	0.0004	0.00024	0.00050	0.00012	0.00036	0.00050	0.00050	0.00024	0.00030	0.00050	0.00050	0.00020	0.0	30.8
A307	12	0.0010	0.00059	0.00144	0.00024	0.00088	0.00119	0.00102	0.00072	0.00094	0.00115	0.00140	0.00021	0.0	100.0
C317	4	0.0006	0.00042	0.00074	0.00013	0.00038	0.00080	0.00059	0.00042	0.00049	0.00068	0.00074	0.00018	0.0	100.0
A317	13	0.0006	0.00048	0.00082	0.00013	0.00053	0.00069	0.00055	0.00050	0.00050	0.00071	0.00082	0.00021	0.0	69.2
A326	5	0.0008	0.00054	0.00096	0.00019	0.00052	0.00100	0.00075	0.00054	0.00061	0.00094	0.00096	0.00033	0.0	100.0
B317	7	0.0008	0.00059	0.00100	0.00019	0.00064	0.00099	0.00084	0.00059	0.00059	0.00100	0.00100	0.00041	0.0	100.0
A315	4	0.0005	0.00043	0.00065	0.00009	0.00039	0.00068	0.00053	0.00043	0.00047	0.00060	0.00065	0.00013	0.0	100.0
A330	5	0.0008	0.00050	0.00105	0.00027	0.00045	0.00112	0.00086	0.00050	0.00050	0.00101	0.00105	0.00051	0.0	100.0
A320	4	0.0009	0.00064	0.00114	0.00022	0.00060	0.00130	0.00101	0.00064	0.00079	0.00111	0.00114	0.00031	0.0	100.0
Y320	12	0.0006	0.00029	0.00140	0.00028	0.00038	0.00073	0.00050	0.00041	0.00048	0.00050	0.00056	0.00003	0.0	41.7
F321	3	0.0006	0.00052	0.00059	0.00003	0.00048	0.00065	0.00058	0.00052	0.00052	0.00059	0.00059	0.00006	0.0	100.0
0322	16	0.0006	0.00045	0.00086	0.00011	0.00056	0.00068	0.00061	0.00050	0.00054	0.00066	0.00085	0.00011	0.0	93.8
D322	10	0.0011	0.00050	0.00303	0.00083	0.00054	0.00172	0.00081	0.00053	0.00060	0.00118	0.00261	0.00058	0.0	100.0
B322	5	0.0011	0.00068	0.00171	0.00044	0.00055	0.00165	0.00090	0.00068	0.00079	0.00142	0.00171	0.00062	0.0	100.0
I322B	11	0.0005	0.00028	0.00073	0.00013	0.00038	0.00056	0.00050	0.00034	0.00038	0.00057	0.00060	0.00019	0.0	72.7
S322	3	0.0004	0.00032	0.00050	0.00010	0.00013	0.00063	0.00033	0.00032	0.00032	0.00050	0.00050	0.00018	0.0	66.7
A341	4	0.0001	0.00010	0.00010	0.00000	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00000	0.0	0.0
All	139	0.0007	0.00010	0.00303	0.00037	0.00061	0.00074	0.00058	0.00039	0.00050	0.00081	0.00105	0.00031	0.0	79.1

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H4. Summary statistics for total arsenic concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0007	0.0005	0.0010	0.00015	0.00063	0.00083	0.00072	0.00053	0.00063	0.00084	0.00094	0.00022	n.a.	100.0
E319	16	0.0006	0.0003	0.0010	0.00023	0.00047	0.00072	0.00050	0.00033	0.00043	0.00085	0.00094	0.00042	n.a.	68.8
A307	13	0.0013	0.0011	0.0020	0.00023	0.00118	0.00147	0.00130	0.00113	0.00122	0.00134	0.00147	0.00012	n.a.	100.0
C317	5	0.0014	0.0009	0.0020	0.00042	0.00084	0.00188	0.00125	0.00091	0.00115	0.00147	0.00202	0.00032	n.a.	100.0
A317	14	0.0013	0.0011	0.0016	0.00015	0.00124	0.00141	0.00131	0.00110	0.00130	0.00141	0.00150	0.00011	n.a.	100.0
A326	7	0.0010	0.0007	0.0011	0.00016	0.00081	0.00111	0.00099	0.00070	0.00079	0.00109	0.00114	0.00030	n.a.	100.0
B317	13	0.0014	0.0009	0.0020	0.00026	0.00127	0.00158	0.00140	0.00120	0.00131	0.00142	0.00170	0.00011	n.a.	100.0
A315	5	0.0009	0.0006	0.0013	0.00034	0.00046	0.00130	0.00065	0.00063	0.00065	0.00115	0.00134	0.00051	n.a.	100.0
A330	7	0.0010	0.0007	0.0012	0.00020	0.00078	0.00116	0.00107	0.00069	0.00073	0.00116	0.00120	0.00043	n.a.	100.0
A320	5	0.0009	0.0006	0.0011	0.00024	0.00064	0.00122	0.00106	0.00062	0.00073	0.00110	0.00113	0.00037	n.a.	100.0
Y320	10	0.0007	0.0004	0.0010	0.00021	0.00051	0.00081	0.00057	0.00043	0.00050	0.00086	0.00093	0.00036	n.a.	90.0
F321	6	0.0005	0.0005	0.0006	0.00003	0.00050	0.00058	0.00055	0.00048	0.00053	0.00056	0.00058	0.00003	n.a.	100.0
0322	13	0.0006	0.0004	0.0008	0.00012	0.00051	0.00065	0.00057	0.00045	0.00050	0.00065	0.00072	0.00015	n.a.	76.9
D322	13	0.0007	0.0004	0.0013	0.00022	0.00054	0.00082	0.00063	0.00051	0.00055	0.00071	0.00080	0.00016	n.a.	100.0
B322	2	0.0005	0.0004	0.0006	0.00014	-0.00073	0.00170	0.00049	0.00039	0.00039	0.00058	0.00058	0.00019	n.a.	100.0
I322B	10	0.0005	0.0003	0.0009	0.00017	0.00039	0.00063	0.00051	0.00031	0.00039	0.00059	0.00074	0.00020	n.a.	80.0
S322	5	0.0004	0.0004	0.0005	0.00007	0.00036	0.00054	0.00050	0.00035	0.00039	0.00050	0.00050	0.00011	n.a.	40.0
A341	8	0.0003	0.0001	0.0005	0.00021	0.00012	0.00048	0.00030	0.00010	0.00010	0.00050	0.00050	0.00040	n.a.	0.0
All	164	0.0008	0.0001	0.0020	0.00040	0.00078	0.00091	0.00073	0.00043	0.00052	0.00115	0.00139	0.00063	n.a.	86.6
Storm Flow															
A310	8	0.0008	0.0006	0.0009	0.00009	0.00068	0.00084	0.00077	0.00058	0.00072	0.00083	0.00087	0.00011	n.a.	100.0
E319	13	0.0006	0.0003	0.0015	0.00029	0.00041	0.00076	0.00050	0.00050	0.00050	0.00053	0.00077	0.00003	n.a.	46.2
A307	12	0.0030	0.0014	0.0100	0.00237	0.00149	0.00451	0.00220	0.00150	0.00153	0.00334	0.00403	0.00181	n.a.	100.0
C317	4	0.0011	0.0010	0.0011	0.00004	0.00102	0.00115	0.00108	0.00104	0.00105	0.00112	0.00113	0.00007	n.a.	100.0
A317	13	0.0016	0.0011	0.0032	0.00055	0.00125	0.00191	0.00134	0.00120	0.00122	0.00180	0.00190	0.00058	n.a.	100.0
A326	5	0.0010	0.0008	0.0012	0.00017	0.00075	0.00117	0.00101	0.00077	0.00081	0.00104	0.00118	0.00023	n.a.	100.0
B317	7	0.0023	0.0012	0.0054	0.00142	0.00102	0.00364	0.00190	0.00118	0.00160	0.00243	0.00543	0.00083	n.a.	100.0
A315	4	0.0010	0.0006	0.0013	0.00031	0.00052	0.00152	0.00110	0.00058	0.00080	0.00124	0.00130	0.00044	n.a.	100.0
A330	5	0.0010	0.0009	0.0012	0.00011	0.00089	0.00117	0.00103	0.00086	0.00101	0.00111	0.00115	0.00010	n.a.	100.0
A320	4	0.0012	0.0010	0.0015	0.00024	0.00080	0.00155	0.00114	0.00096	0.00099	0.00137	0.00147	0.00038	n.a.	100.0
Y320	12	0.0007	0.0004	0.0017	0.00034	0.00045	0.00088	0.00058	0.00047	0.00050	0.00064	0.00077	0.00015	n.a.	100.0
F321	3	0.0006	0.0004	0.0009	0.00029	-0.00010	0.00134	0.00054	0.00038	0.00038	0.00094	0.00094	0.00056	n.a.	100.0
0322	16	0.0009	0.0005	0.0020	0.00040	0.00065	0.00107	0.00075	0.00059	0.00068	0.00084	0.00172	0.00016	n.a.	100.0
D322	10	0.0014	0.0006	0.0043	0.00118	0.00058	0.00227	0.00090	0.00068	0.00082	0.00117	0.00355	0.00035	n.a.	100.0
B322	5	0.0012	0.0007	0.0020	0.00054	0.00056	0.00191	0.00100	0.00067	0.00090	0.00167	0.00195	0.00077	n.a.	100.0
I322B	11	0.0006	0.0003	0.0009	0.00016	0.00044	0.00066	0.00057	0.00035	0.00041	0.00063	0.00068	0.00022	n.a.	100.0
S322	3	0.0004	0.0003	0.0006	0.00014	0.00007	0.00078	0.00036	0.00033	0.00033	0.00059	0.00059	0.00026	n.a.	100.0
A341	4	0.0002	0.0001	0.0003	0.00005	0.00010	0.00026	0.00017	0.00014	0.00014	0.00021	0.00025	0.00007	n.a.	100.0
All	139	0.0012	0.0001	0.0100	0.00111	0.00098	0.00135	0.00085	0.00048	0.00059	0.00130	0.00196	0.00071	n.a.	95.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H5. Summary statistics for dissolved cadmium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.00006	0.00001	0.00010	0.00005	0.00003	0.00008	0.00006	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
E319	16	0.00007	0.00001	0.00010	0.00005	0.00004	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
A307	13	0.00006	0.00001	0.00010	0.00005	0.00003	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
C317	5	0.00002	0.00001	0.00004	0.00001	0.00000	0.00003	0.00001	0.00001	0.00001	0.00003	0.00004	0.00002	0.0	40.0
A317	14	0.00007	0.00001	0.00010	0.00004	0.00004	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00008	0.0	28.6
A326	7	0.00001	0.00001	0.00002	0.00000	0.00001	0.00002	0.00001	0.00001	0.00001	0.00002	0.00002	0.00001	0.0	57.1
B317	13	0.00007	0.00001	0.00016	0.00005	0.00004	0.00010	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	46.2
A315	5	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.0	20.0
A330	7	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.0	0.0
A320	5	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.0	0.0
Y320	10	0.00006	0.00001	0.00010	0.00005	0.00003	0.00010	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
F321	6	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.0	0.0
0322	13	0.00007	0.00001	0.00010	0.00005	0.00004	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
D322	13	0.00007	0.00001	0.00010	0.00005	0.00004	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
B322	2	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.0	0.0
I322B	10	0.00006	0.00001	0.00010	0.00004	0.00003	0.00009	0.00007	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	50.0
S322	5	0.00006	0.00001	0.00010	0.00005	0.00000	0.00013	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
A341	8	0.00006	0.00001	0.00010	0.00005	0.00001	0.00010	0.00006	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
All	164	0.00005	0.00001	0.00016	0.00004	0.00004	0.00006	0.00002	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	13.4
Storm Flow															
A310	8	0.00006	0.00001	0.00010	0.00005	0.00001	0.00010	0.00006	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
E319	13	0.00007	0.00001	0.00010	0.00004	0.00005	0.00010	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
A307	12	0.00007	0.00002	0.00010	0.00004	0.00005	0.00010	0.00010	0.00002	0.00002	0.00010	0.00010	0.00008	0.0	33.3
C317	4	0.00003	0.00003	0.00005	0.00001	0.00001	0.00006	0.00003	0.00002	0.00003	0.00004	0.00005	0.00002	0.0	100.0
A317	13	0.00008	0.00003	0.00010	0.00003	0.00007	0.00010	0.00010	0.00003	0.00010	0.00010	0.00010	0.00000	0.0	23.1
A326	5	0.00001	0.00001	0.00002	0.00000	0.00001	0.00002	0.00001	0.00001	0.00001	0.00002	0.00002	0.00000	0.0	80.0
B317	7	0.00008	0.00003	0.00012	0.00004	0.00005	0.00012	0.00010	0.00003	0.00004	0.00010	0.00012	0.00006	0.0	42.9
A315	4	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.0	75.0
A330	5	0.00001	0.00001	0.00002	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00000	0.0	20.0
A320	4	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.0	0.0
Y320	12	0.00007	0.00001	0.00010	0.00004	0.00004	0.00010	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	8.3
F321	3	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.0	0.0
0322	16	0.00007	0.00001	0.00010	0.00004	0.00005	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	6.3
D322	10	0.00007	0.00001	0.00011	0.00005	0.00003	0.00010	0.00010	0.00001	0.00001	0.00010	0.00011	0.00009	0.0	30.0
B322	5	0.00002	0.00001	0.00004	0.00001	0.00000	0.00004	0.00001	0.00001	0.00001	0.00002	0.00004	0.00000	0.0	100.0
I322B	11	0.00006	0.00001	0.00010	0.00004	0.00003	0.00008	0.00003	0.00002	0.00002	0.00010	0.00010	0.00008	0.0	54.5
S322	3	0.00004	0.00001	0.00010	0.00005	-0.00009	0.00017	0.00001	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	0.0
A341	4	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.0	0.0
All	139	0.00006	0.00001	0.00012	0.00004	0.00005	0.00006	0.00004	0.00001	0.00001	0.00010	0.00010	0.00009	0.0	27.3

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H6. Summary statistics for total cadmium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.00006	0.00001	0.00010	0.00005	0.00003	0.00008	0.00006	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	0.0
E319	16	0.00007	0.00001	0.00010	0.00005	0.00004	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	0.0
A307	13	0.00006	0.00001	0.00010	0.00005	0.00003	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	7.7
C317	5	0.00008	0.00002	0.00019	0.00007	0.00000	0.00016	0.00006	0.00002	0.00005	0.00006	0.00019	0.00002	n.a.	100.0
A317	14	0.00007	0.00002	0.00013	0.00004	0.00005	0.00010	0.00010	0.00002	0.00004	0.00010	0.00010	0.00006	n.a.	50.0
A326	7	0.00002	0.00001	0.00003	0.00001	0.00001	0.00002	0.00001	0.00001	0.00001	0.00002	0.00003	0.00001	n.a.	85.7
B317	13	0.00011	0.00002	0.00034	0.00009	0.00005	0.00016	0.00010	0.00002	0.00004	0.00010	0.00024	0.00006	n.a.	61.5
A315	5	0.00002	0.00001	0.00003	0.00001	0.00000	0.00003	0.00001	0.00001	0.00001	0.00002	0.00003	0.00001	n.a.	40.0
A330	7	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	n.a.	0.0
A320	5	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	n.a.	20.0
Y320	10	0.00006	0.00001	0.00010	0.00005	0.00003	0.00010	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	10.0
F321	6	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	n.a.	0.0
0322	13	0.00007	0.00001	0.00010	0.00005	0.00004	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	0.0
D322	13	0.00007	0.00001	0.00010	0.00005	0.00004	0.00009	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	0.0
B322	2	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	n.a.	0.0
I322B	10	0.00006	0.00001	0.00012	0.00004	0.00003	0.00009	0.00007	0.00001	0.00001	0.00010	0.00011	0.00008	n.a.	60.0
S322	5	0.00006	0.00001	0.00010	0.00005	0.00000	0.00013	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	0.0
A341	8	0.00006	0.00001	0.00010	0.00005	0.00001	0.00010	0.00006	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	0.0
All	164	0.00006	0.00001	0.00034	0.00005	0.00005	0.00007	0.00004	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	22.6
Storm Flow															
A310	8	0.00006	0.00001	0.00010	0.00005	0.00002	0.00010	0.00006	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	12.5
E319	13	0.00007	0.00001	0.00010	0.00004	0.00005	0.00010	0.00010	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	0.0
A307	12	0.00017	0.00004	0.00077	0.00020	0.00004	0.00029	0.00010	0.00004	0.00010	0.00016	0.00022	0.00006	n.a.	66.7
C317	4	0.00007	0.00004	0.00011	0.00003	0.00002	0.00012	0.00007	0.00004	0.00005	0.00009	0.00011	0.00004	n.a.	100.0
A317	13	0.00014	0.00006	0.00020	0.00005	0.00011	0.00016	0.00014	0.00006	0.00010	0.00018	0.00018	0.00008	n.a.	76.9
A326	5	0.00003	0.00001	0.00006	0.00002	0.00001	0.00006	0.00002	0.00001	0.00002	0.00003	0.00006	0.00002	n.a.	100.0
B317	7	0.00036	0.00006	0.00081	0.00025	0.00013	0.00059	0.00037	0.00006	0.00010	0.00044	0.00081	0.00034	n.a.	85.7
A315	4	0.00003	0.00002	0.00005	0.00002	0.00001	0.00006	0.00004	0.00002	0.00002	0.00005	0.00005	0.00002	n.a.	100.0
A330	5	0.00002	0.00001	0.00003	0.00001	0.00000	0.00003	0.00001	0.00001	0.00001	0.00002	0.00003	0.00001	n.a.	40.0
A320	4	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	n.a.	25.0
Y320	12	0.00007	0.00001	0.00010	0.00004	0.00005	0.00010	0.00010	0.00001	0.00002	0.00010	0.00010	0.00008	n.a.	33.3
F321	3	0.00001	0.00001	0.00002	0.00001	0.00000	0.00003	0.00001	0.00001	0.00001	0.00002	0.00002	0.00001	n.a.	33.3
0322	16	0.00008	0.00001	0.00010	0.00004	0.00006	0.00010	0.00010	0.00001	0.00004	0.00010	0.00010	0.00006	n.a.	18.8
D322	10	0.00007	0.00001	0.00010	0.00004	0.00004	0.00010	0.00010	0.00001	0.00002	0.00010	0.00010	0.00008	n.a.	50.0
B322	5	0.00005	0.00002	0.00013	0.00005	0.00000	0.00011	0.00003	0.00002	0.00003	0.00006	0.00013	0.00003	n.a.	100.0
I322B	11	0.00006	0.00001	0.00010	0.00004	0.00003	0.00009	0.00005	0.00002	0.00002	0.00010	0.00010	0.00008	n.a.	63.6
S322	3	0.00004	0.00001	0.00010	0.00005	-0.00009	0.00017	0.00001	0.00001	0.00001	0.00010	0.00010	0.00009	n.a.	0.0
A341	4	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	n.a.	0.0
All	139	0.00009	0.00001	0.00081	0.00011	0.00007	0.00011	0.00010	0.00001	0.00002	0.00010	0.00014	0.00008	n.a.	47.5

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H7. Summary statistics for dissolved calcium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	9.15	5.57	13.25	2.70	7.43	10.86	8.93	5.59	6.73	11.50	12.90	4.77	n.a.	100.0
E319	16	5.34	3.78	6.52	0.92	4.85	5.83	5.43	3.83	4.56	6.22	6.35	1.66	n.a.	100.0
A307	13	18.64	17.50	19.78	0.61	18.27	19.00	18.58	18.10	18.23	18.93	19.50	0.70	n.a.	100.0
C317	5	23.74	21.90	26.80	1.96	21.31	26.17	23.60	21.90	22.20	24.20	26.80	2.00	n.a.	100.0
A317	14	23.37	17.00	27.00	2.57	21.89	24.86	24.05	21.30	21.70	24.80	26.90	3.10	n.a.	100.0
A326	7	18.63	11.50	25.80	6.55	12.57	24.69	18.60	11.50	12.10	25.00	25.80	12.90	n.a.	100.0
B317	13	19.04	9.37	22.70	4.19	16.51	21.57	20.40	10.70	19.00	21.40	22.50	2.40	n.a.	100.0
A315	5	21.88	17.40	26.40	3.20	17.91	25.85	22.10	17.40	21.30	22.20	26.40	0.90	n.a.	100.0
A330	7	16.23	15.20	17.20	0.67	15.61	16.85	16.40	15.20	15.80	16.60	17.20	0.80	n.a.	100.0
A320	5	13.40	11.40	14.90	1.74	11.23	15.57	14.40	11.40	11.60	14.70	14.90	3.10	n.a.	100.0
Y320	10	16.86	10.90	22.50	3.38	14.44	19.28	16.10	13.00	15.20	17.60	22.20	2.40	n.a.	100.0
F321	6	12.87	10.90	14.50	1.65	11.14	14.59	13.20	10.90	11.10	14.30	14.50	3.20	n.a.	100.0
0322	13	14.91	12.30	17.00	1.70	13.88	15.94	14.80	12.80	13.60	16.70	16.80	3.10	n.a.	100.0
D322	13	19.20	11.72	29.33	7.38	14.74	23.66	17.10	12.00	12.97	28.33	29.19	15.36	n.a.	100.0
B322	2	14.10	12.00	16.20	2.97	-12.58	40.78	14.10	12.00	12.00	16.20	16.20	4.20	n.a.	100.0
I322B	10	14.05	5.49	18.60	3.47	11.57	16.53	14.40	9.10	13.70	15.20	17.85	1.50	n.a.	100.0
S322	5	12.70	12.40	13.28	0.34	12.28	13.12	12.60	12.40	12.60	12.60	13.28	0.00	n.a.	100.0
A341	8	13.95	13.03	15.30	0.83	13.26	14.65	13.67	13.03	13.42	14.57	15.30	1.15	n.a.	100.0
All	164	15.76	3.78	29.33	6.01	14.83	16.68	15.20	6.31	12.38	19.57	24.08	7.19	n.a.	100.0
Storm Flow															
A310	8	8.91	6.88	12.20	2.46	6.85	10.97	7.32	6.88	7.09	11.68	12.20	4.59	n.a.	100.0
E319	13	4.10	3.55	5.55	0.54	3.78	4.43	3.98	3.62	3.73	4.26	4.57	0.53	n.a.	100.0
A307	12	13.61	8.37	17.50	3.07	11.66	15.57	14.51	9.18	11.15	16.00	17.04	4.85	n.a.	100.0
C317	4	9.47	6.36	13.50	3.15	4.46	14.47	9.00	6.36	7.03	11.90	13.50	4.87	n.a.	100.0
A317	13	9.08	6.30	14.40	2.45	7.60	10.56	7.79	6.89	7.54	9.92	13.00	2.38	n.a.	100.0
A326	5	13.92	8.22	23.00	5.67	6.88	20.96	13.20	8.22	10.40	14.80	23.00	4.40	n.a.	100.0
B317	7	7.65	4.67	10.80	2.18	5.64	9.66	7.93	4.67	5.19	9.35	10.80	4.16	n.a.	100.0
A315	4	12.08	10.40	15.20	2.27	8.47	15.68	11.35	10.40	10.40	13.75	15.20	3.35	n.a.	100.0
A330	5	14.00	12.30	16.70	1.83	11.73	16.27	14.20	12.30	12.30	14.50	16.70	2.20	n.a.	100.0
A320	4	12.55	9.60	14.60	2.15	9.14	15.96	13.00	9.60	11.05	14.05	14.60	3.00	n.a.	100.0
Y320	12	8.98	5.45	15.30	2.34	7.50	10.46	8.92	7.05	7.87	9.43	9.81	1.56	n.a.	100.0
F321	3	9.01	7.95	10.50	1.33	5.72	12.31	8.59	7.95	7.95	10.50	10.50	2.55	n.a.	100.0
0322	16	11.90	8.22	16.20	2.28	10.68	13.11	11.54	9.29	10.39	13.00	15.90	2.61	n.a.	100.0
D322	10	10.93	8.13	16.93	2.47	9.16	12.69	10.58	8.52	8.93	11.80	14.55	2.87	n.a.	100.0
B322	5	14.95	9.53	23.90	5.47	8.15	21.74	13.30	9.53	12.30	15.70	23.90	3.40	n.a.	100.0
I322B	11	9.32	2.91	14.00	3.55	6.93	11.70	9.40	5.97	6.38	13.40	13.70	7.02	n.a.	100.0
S322	3	11.43	9.79	13.50	1.89	6.74	16.13	11.00	9.79	9.79	13.50	13.50	3.71	n.a.	100.0
A341	4	10.78	10.30	11.20	0.38	10.17	11.38	10.80	10.30	10.50	11.05	11.20	0.55	n.a.	100.0
All	139	10.25	2.91	23.90	3.79	9.61	10.88	10.30	5.09	7.72	12.40	15.14	4.68	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H8. Summary statistics for total calcium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	9.33	5.89	13.15	2.46	7.77	10.89	9.31	5.94	7.27	11.30	12.80	4.03	n.a.	100.0
E319	16	5.38	3.97	6.43	0.84	4.93	5.83	5.54	4.02	4.77	6.14	6.33	1.37	n.a.	100.0
A307	13	19.06	18.67	19.47	0.26	18.90	19.21	19.10	18.74	18.90	19.27	19.43	0.37	n.a.	100.0
C317	5	23.68	22.20	25.60	1.39	21.95	25.41	23.50	22.20	22.60	24.50	25.60	1.90	n.a.	100.0
A317	14	23.59	17.00	26.80	2.59	22.09	25.08	23.95	21.40	21.80	25.70	26.10	3.90	n.a.	100.0
A326	7	18.67	11.40	25.90	6.80	12.38	24.96	18.00	11.40	12.20	25.50	25.90	13.30	n.a.	100.0
B317	13	19.05	9.71	22.30	4.06	16.60	21.51	20.60	10.70	19.20	21.00	22.00	1.80	n.a.	100.0
A315	5	21.66	17.50	25.90	3.02	17.91	25.41	21.60	17.50	20.90	22.40	25.90	1.50	n.a.	100.0
A330	7	16.29	15.30	17.50	0.73	15.61	16.96	16.20	15.30	15.60	16.70	17.50	1.10	n.a.	100.0
A320	5	13.16	11.20	14.80	1.68	11.07	15.25	14.00	11.20	11.50	14.30	14.80	2.80	n.a.	100.0
Y320	10	17.04	10.80	22.80	3.50	14.53	19.55	16.55	12.95	15.60	17.50	22.60	1.90	n.a.	100.0
F321	6	12.98	11.00	14.50	1.52	11.39	14.58	13.60	11.00	11.20	14.00	14.50	2.80	n.a.	100.0
0322	13	15.04	12.50	17.10	1.57	14.09	15.99	15.30	13.00	13.90	16.60	16.80	2.70	n.a.	100.0
D322	13	19.26	11.92	29.20	7.13	14.95	23.57	17.64	12.10	13.30	28.26	28.59	14.96	n.a.	100.0
B322	2	14.50	12.30	16.70	3.11	-13.45	42.45	14.50	12.30	12.30	16.70	16.70	4.40	n.a.	100.0
I322B	10	14.21	5.81	18.30	3.43	11.76	16.66	14.50	9.31	13.70	15.60	18.10	1.90	n.a.	100.0
S322	5	12.52	12.10	13.10	0.36	12.07	12.97	12.50	12.10	12.40	12.50	13.10	0.10	n.a.	100.0
A341	8	14.36	13.43	15.87	0.95	13.57	15.15	13.98	13.43	13.77	15.05	15.87	1.28	n.a.	100.0
All	164	15.88	3.97	29.20	5.99	14.95	16.80	15.60	6.29	12.40	19.61	24.01	7.21	n.a.	100.0
Storm Flow															
A310	8	9.09	7.19	11.95	2.18	7.27	10.91	7.72	7.19	7.48	11.59	11.95	4.10	n.a.	100.0
E319	13	4.55	3.91	6.19	0.65	4.16	4.94	4.33	4.00	4.07	4.61	5.41	0.54	n.a.	100.0
A307	12	14.65	10.60	17.19	2.09	13.32	15.98	15.62	11.90	12.98	16.19	16.40	3.22	n.a.	100.0
C317	4	9.58	6.93	13.50	2.94	4.90	14.25	8.94	6.93	7.36	11.80	13.50	4.45	n.a.	100.0
A317	13	9.34	6.90	14.30	2.26	7.98	10.71	8.30	7.23	7.92	10.10	12.90	2.18	n.a.	100.0
A326	5	13.85	8.65	22.40	5.26	7.32	20.38	12.90	8.65	10.80	14.50	22.40	3.70	n.a.	100.0
B317	7	8.12	5.16	10.90	2.06	6.22	10.03	8.39	5.16	5.71	9.65	10.90	3.94	n.a.	100.0
A315	4	12.38	10.40	14.90	2.04	9.14	15.61	12.10	10.40	10.75	14.00	14.90	3.25	n.a.	100.0
A330	5	14.16	13.10	16.10	1.20	12.67	15.65	13.70	13.10	13.40	14.50	16.10	1.10	n.a.	100.0
A320	4	12.60	10.10	14.40	1.82	9.70	15.50	12.95	10.10	11.35	13.85	14.40	2.50	n.a.	100.0
Y320	12	9.27	5.90	16.10	2.49	7.69	10.86	9.10	6.85	8.12	9.78	10.10	1.66	n.a.	100.0
F321	3	9.37	8.28	10.30	1.02	6.84	11.90	9.52	8.28	8.28	10.30	10.30	2.02	n.a.	100.0
0322	16	12.37	9.93	15.90	1.80	11.42	13.33	11.96	10.06	11.16	13.20	15.40	2.04	n.a.	100.0
D322	10	11.49	8.99	17.28	2.43	9.75	13.23	11.32	9.00	9.10	12.26	14.77	3.16	n.a.	100.0
B322	5	15.20	10.10	23.10	4.83	9.20	21.20	13.80	10.10	13.50	15.50	23.10	2.00	n.a.	100.0
I322B	11	9.70	3.18	14.40	3.44	7.39	12.01	9.82	6.53	6.77	13.30	13.90	6.53	n.a.	100.0
S322	3	11.44	10.41	13.30	1.62	7.42	15.45	10.60	10.41	10.41	13.30	13.30	2.89	n.a.	100.0
A341	4	12.33	11.00	14.80	1.69	9.64	15.01	11.75	11.00	11.35	13.30	14.80	1.95	n.a.	100.0
All	139	10.67	3.18	23.10	3.66	10.05	11.28	10.60	5.65	8.16	13.18	15.42	5.02	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H9. Summary statistics for dissolved chromium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.00024	0.00005	0.00040	0.00017	0.00014	0.00035	0.00027	0.00006	0.00008	0.00040	0.00040	0.00032	n.a.	41.7
E319	16	0.00027	0.00005	0.00040	0.00017	0.00019	0.00036	0.00040	0.00005	0.00007	0.00040	0.00040	0.00033	n.a.	31.3
A307	13	0.00027	0.00005	0.00043	0.00016	0.00017	0.00036	0.00040	0.00007	0.00010	0.00040	0.00041	0.00030	n.a.	53.8
C317	5	0.00017	0.00011	0.00029	0.00007	0.00008	0.00026	0.00016	0.00011	0.00011	0.00017	0.00029	0.00006	n.a.	100.0
A317	14	0.00030	0.00010	0.00040	0.00013	0.00023	0.00037	0.00040	0.00013	0.00015	0.00040	0.00040	0.00025	n.a.	42.9
A326	7	0.00025	0.00018	0.00036	0.00007	0.00019	0.00032	0.00025	0.00018	0.00018	0.00031	0.00036	0.00013	n.a.	100.0
B317	13	0.00035	0.00010	0.00100	0.00024	0.00020	0.00049	0.00040	0.00012	0.00016	0.00040	0.00041	0.00024	n.a.	53.8
A315	5	0.00016	0.00006	0.00031	0.00010	0.00004	0.00028	0.00012	0.00006	0.00010	0.00021	0.00031	0.00011	n.a.	100.0
A330	7	0.00021	0.00018	0.00028	0.00003	0.00018	0.00024	0.00020	0.00018	0.00018	0.00023	0.00027	0.00005	n.a.	100.0
A320	5	0.00014	0.00010	0.00019	0.00003	0.00010	0.00018	0.00014	0.00010	0.00013	0.00015	0.00019	0.00002	n.a.	100.0
Y320	10	0.00034	0.00015	0.00061	0.00015	0.00023	0.00044	0.00040	0.00016	0.00020	0.00040	0.00052	0.00020	n.a.	60.0
F321	6	0.00018	0.00017	0.00020	0.00001	0.00016	0.00019	0.00017	0.00017	0.00017	0.00019	0.00020	0.00002	n.a.	100.0
0322	13	0.00030	0.00009	0.00040	0.00014	0.00022	0.00038	0.00040	0.00010	0.00018	0.00040	0.00040	0.00022	n.a.	38.5
D322	13	0.00031	0.00006	0.00049	0.00014	0.00023	0.00040	0.00040	0.00012	0.00022	0.00040	0.00040	0.00018	n.a.	46.2
B322	2	0.00014	0.00011	0.00016	0.00004	-0.00018	0.00045	0.00013	0.00011	0.00011	0.00016	0.00016	0.00005	n.a.	100.0
I322B	10	0.00028	0.00006	0.00042	0.00014	0.00018	0.00038	0.00034	0.00010	0.00014	0.00040	0.00041	0.00026	n.a.	60.0
S322	5	0.00026	0.00005	0.00040	0.00019	0.00002	0.00050	0.00040	0.00005	0.00005	0.00040	0.00040	0.00035	n.a.	0.0
A341	8	0.00026	0.00009	0.00040	0.00015	0.00013	0.00039	0.00027	0.00009	0.00013	0.00040	0.00040	0.00027	n.a.	50.0
All	164	0.00027	0.00005	0.00100	0.00015	0.00025	0.00029	0.00024	0.00009	0.00014	0.00040	0.00040	0.00026	n.a.	57.3
Storm Flow															
A310	8	0.00027	0.00009	0.00045	0.00016	0.00013	0.00040	0.00027	0.00009	0.00011	0.00041	0.00045	0.00030	n.a.	75.0
E319	13	0.00031	0.00006	0.00040	0.00015	0.00022	0.00040	0.00040	0.00008	0.00013	0.00040	0.00040	0.00027	n.a.	30.8
A307	12	0.00046	0.00034	0.00061	0.00007	0.00041	0.00050	0.00046	0.00040	0.00041	0.00049	0.00052	0.00009	n.a.	100.0
C317	4	0.00036	0.00033	0.00039	0.00003	0.00031	0.00041	0.00036	0.00033	0.00033	0.00039	0.00039	0.00006	n.a.	100.0
A317	13	0.00047	0.00031	0.00064	0.00009	0.00041	0.00052	0.00050	0.00038	0.00040	0.00053	0.00055	0.00013	n.a.	84.6
A326	5	0.00051	0.00037	0.00067	0.00011	0.00038	0.00064	0.00049	0.00037	0.00048	0.00054	0.00067	0.00007	n.a.	100.0
B317	7	0.00058	0.00033	0.00099	0.00024	0.00036	0.00080	0.00061	0.00033	0.00038	0.00077	0.00099	0.00039	n.a.	85.7
A315	4	0.00023	0.00017	0.00027	0.00004	0.00016	0.00030	0.00025	0.00017	0.00021	0.00026	0.00027	0.00006	n.a.	100.0
A330	5	0.00024	0.00019	0.00027	0.00003	0.00020	0.00028	0.00024	0.00019	0.00023	0.00027	0.00027	0.00004	n.a.	100.0
A320	4	0.00020	0.00012	0.00025	0.00006	0.00011	0.00030	0.00022	0.00012	0.00016	0.00025	0.00025	0.00009	n.a.	100.0
Y320	12	0.00037	0.00024	0.00047	0.00007	0.00033	0.00042	0.00040	0.00028	0.00032	0.00041	0.00043	0.00009	n.a.	83.3
F321	3	0.00023	0.00019	0.00028	0.00005	0.00012	0.00035	0.00022	0.00019	0.00019	0.00028	0.00028	0.00009	n.a.	100.0
0322	16	0.00037	0.00010	0.00050	0.00010	0.00032	0.00042	0.00040	0.00021	0.00034	0.00040	0.00049	0.00007	n.a.	68.8
D322	10	0.00043	0.00029	0.00058	0.00009	0.00037	0.00049	0.00044	0.00031	0.00036	0.00048	0.00054	0.00012	n.a.	100.0
B322	5	0.00045	0.00034	0.00068	0.00013	0.00028	0.00062	0.00039	0.00034	0.00038	0.00046	0.00068	0.00008	n.a.	100.0
I322B	11	0.00032	0.00017	0.00044	0.00011	0.00025	0.00040	0.00034	0.00018	0.00021	0.00042	0.00044	0.00021	n.a.	90.9
S322	3	0.00018	0.00005	0.00041	0.00020	-0.00031	0.00067	0.00008	0.00005	0.00005	0.00041	0.00041	0.00036	n.a.	66.7
A341	4	0.00013	0.00009	0.00015	0.00003	0.00008	0.00017	0.00013	0.00009	0.00010	0.00014	0.00015	0.00004	n.a.	100.0
All	139	0.00037	0.00005	0.00099	0.00015	0.00034	0.00039	0.00040	0.00015	0.00027	0.00044	0.00051	0.00017	n.a.	83.5

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H10. Summary statistics for total chromium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.00041	0.00015	0.00077	0.00015	0.00031	0.00050	0.00040	0.00022	0.00038	0.00044	0.00047	0.00006	0.0	75.0
E319	16	0.00030	0.00008	0.00040	0.00013	0.00023	0.00037	0.00040	0.00012	0.00014	0.00040	0.00040	0.00025	0.0	37.5
A307	13	0.00048	0.00015	0.00112	0.00028	0.00031	0.00065	0.00040	0.00016	0.00031	0.00056	0.00092	0.00025	0.0	84.6
C317	5	0.00077	0.00028	0.00212	0.00076	-0.00018	0.00172	0.00052	0.00028	0.00037	0.00054	0.00212	0.00017	0.0	100.0
A317	14	0.00046	0.00021	0.00110	0.00021	0.00034	0.00058	0.00040	0.00026	0.00036	0.00048	0.00063	0.00012	0.0	78.6
A326	7	0.00038	0.00022	0.00045	0.00009	0.00029	0.00046	0.00043	0.00022	0.00027	0.00044	0.00045	0.00017	0.0	100.0
B317	13	0.00075	0.00024	0.00233	0.00068	0.00034	0.00116	0.00048	0.00030	0.00039	0.00055	0.00190	0.00016	0.0	92.3
A315	5	0.00035	0.00015	0.00085	0.00031	-0.00003	0.00073	0.00016	0.00015	0.00016	0.00044	0.00085	0.00028	0.0	100.0
A330	7	0.00056	0.00038	0.00096	0.00019	0.00038	0.00074	0.00051	0.00038	0.00042	0.00063	0.00096	0.00020	0.0	100.0
A320	5	0.00030	0.00020	0.00040	0.00008	0.00020	0.00040	0.00033	0.00020	0.00024	0.00035	0.00040	0.00011	0.0	100.0
Y320	10	0.00046	0.00019	0.00076	0.00015	0.00036	0.00057	0.00045	0.00029	0.00040	0.00050	0.00068	0.00010	0.0	80.0
F321	6	0.00025	0.00021	0.00035	0.00005	0.00020	0.00031	0.00025	0.00021	0.00022	0.00026	0.00035	0.00004	0.0	100.0
0322	13	0.00034	0.00012	0.00040	0.00010	0.00028	0.00040	0.00040	0.00018	0.00030	0.00040	0.00040	0.00010	0.0	38.5
D322	13	0.00040	0.00013	0.00094	0.00019	0.00029	0.00051	0.00040	0.00021	0.00035	0.00041	0.00044	0.00006	0.0	76.9
B322	2	0.00029	0.00026	0.00031	0.00004	-0.00008	0.00065	0.00028	0.00026	0.00026	0.00031	0.00031	0.00006	0.0	100.0
I322B	10	0.00054	0.00011	0.00247	0.00069	0.00005	0.00103	0.00040	0.00015	0.00022	0.00040	0.00146	0.00018	0.0	60.0
S322	5	0.00027	0.00005	0.00040	0.00018	0.00004	0.00049	0.00040	0.00005	0.00009	0.00040	0.00040	0.00031	0.0	40.0
A341	8	0.00033	0.00019	0.00040	0.00009	0.00026	0.00040	0.00036	0.00019	0.00025	0.00040	0.00040	0.00015	0.0	50.0
All	164	0.00044	0.00005	0.00247	0.00034	0.00038	0.00049	0.00040	0.00018	0.00029	0.00044	0.00059	0.00015	0.0	73.8
Storm Flow															
A310	8	0.00054	0.00019	0.00094	0.00023	0.00036	0.00073	0.00048	0.00019	0.00044	0.00070	0.00094	0.00025	0.0	100.0
E319	13	0.00061	0.00024	0.00209	0.00048	0.00032	0.00089	0.00045	0.00040	0.00040	0.00056	0.00097	0.00016	0.0	61.5
A307	12	0.00471	0.00095	0.03000	0.00812	-0.00045	0.00987	0.00226	0.00100	0.00114	0.00405	0.00590	0.00291	0.0	100.0
C317	4	0.00110	0.00085	0.00153	0.00031	0.00061	0.00159	0.00101	0.00085	0.00088	0.00132	0.00153	0.00044	0.0	100.0
A317	13	0.00172	0.00074	0.00276	0.00073	0.00128	0.00217	0.00207	0.00078	0.00096	0.00235	0.00242	0.00139	0.0	100.0
A326	5	0.00134	0.00063	0.00241	0.00079	0.00036	0.00232	0.00109	0.00063	0.00065	0.00191	0.00241	0.00126	0.0	100.0
B317	7	0.00306	0.00075	0.00635	0.00193	0.00127	0.00485	0.00321	0.00075	0.00078	0.00398	0.00635	0.00320	0.0	100.0
A315	4	0.00089	0.00029	0.00141	0.00046	0.00016	0.00163	0.00094	0.00029	0.00061	0.00118	0.00141	0.00058	0.0	100.0
A330	5	0.00190	0.00058	0.00367	0.00130	0.00029	0.00351	0.00126	0.00058	0.00114	0.00284	0.00367	0.00170	0.0	100.0
A320	4	0.00072	0.00022	0.00135	0.00048	-0.00004	0.00148	0.00066	0.00022	0.00038	0.00106	0.00135	0.00068	0.0	100.0
Y320	12	0.00081	0.00047	0.00150	0.00028	0.00063	0.00098	0.00080	0.00053	0.00057	0.00091	0.00100	0.00033	0.0	100.0
F321	3	0.00064	0.00024	0.00141	0.00067	-0.00101	0.00230	0.00027	0.00024	0.00024	0.00141	0.00141	0.00117	0.0	100.0
0322	16	0.00098	0.00013	0.00337	0.00087	0.00052	0.00145	0.00071	0.00038	0.00058	0.00100	0.00280	0.00042	0.0	93.8
D322	10	0.00074	0.00043	0.00166	0.00041	0.00045	0.00103	0.00058	0.00044	0.00048	0.00079	0.00146	0.00031	0.0	100.0
B322	5	0.00083	0.00053	0.00132	0.00035	0.00039	0.00127	0.00062	0.00052	0.00060	0.00110	0.00132	0.00050	0.0	100.0
I322B	11	0.00090	0.00024	0.00183	0.00058	0.00051	0.00129	0.00072	0.00027	0.00032	0.00153	0.00160	0.00121	0.0	100.0
S322	3	0.00033	0.00005	0.00074	0.00037	-0.00058	0.00123	0.00019	0.00005	0.00005	0.00074	0.00074	0.00069	0.0	66.7
A341	4	0.00075	0.00059	0.00087	0.00013	0.00055	0.00096	0.00078	0.00059	0.00065	0.00086	0.00087	0.00020	0.0	100.0
All	139	0.00138	0.00005	0.03000	0.00266	0.00094	0.00183	0.00079	0.00040	0.00055	0.00138	0.00262	0.00083	0.0	95.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H11. Summary statistics for dissolved copper concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0004	0.0002	0.0005	0.0001	0.0003	0.0004	0.0004	0.0003	0.0004	0.0004	0.0005	0.0001	0.0	75.0
E319	16	0.0003	0.0001	0.0004	0.0001	0.0003	0.0004	0.0004	0.0002	0.0002	0.0004	0.0004	0.0002	0.0	37.5
A307	13	0.0005	0.0003	0.0008	0.0002	0.0004	0.0006	0.0006	0.0003	0.0004	0.0007	0.0007	0.0003	0.0	84.6
C317	5	0.0009	0.0005	0.0013	0.0003	0.0005	0.0013	0.0008	0.0005	0.0007	0.0011	0.0013	0.0005	0.0	100.0
A317	14	0.0011	0.0005	0.0021	0.0004	0.0008	0.0013	0.0011	0.0006	0.0007	0.0013	0.0016	0.0006	0.0	100.0
A326	7	0.0011	0.0008	0.0017	0.0003	0.0008	0.0014	0.0011	0.0008	0.0010	0.0012	0.0017	0.0002	0.0	100.0
B317	13	0.0016	0.0008	0.0056	0.0014	0.0007	0.0024	0.0010	0.0008	0.0009	0.0014	0.0034	0.0005	7.7	100.0
A315	5	0.0011	0.0007	0.0017	0.0004	0.0006	0.0016	0.0010	0.0007	0.0008	0.0011	0.0017	0.0002	0.0	100.0
A330	7	0.0004	0.0003	0.0008	0.0002	0.0003	0.0006	0.0003	0.0003	0.0003	0.0006	0.0008	0.0004	0.0	100.0
A320	5	0.0004	0.0003	0.0005	0.0001	0.0003	0.0005	0.0004	0.0003	0.0003	0.0005	0.0005	0.0001	0.0	100.0
Y320	10	0.0011	0.0006	0.0024	0.0006	0.0006	0.0015	0.0008	0.0007	0.0008	0.0010	0.0023	0.0002	0.0	100.0
F321	6	0.0003	0.0001	0.0008	0.0003	0.0000	0.0006	0.0002	0.0001	0.0001	0.0004	0.0008	0.0003	0.0	100.0
0322	13	0.0008	0.0004	0.0015	0.0003	0.0006	0.0010	0.0008	0.0005	0.0005	0.0011	0.0012	0.0006	0.0	100.0
D322	13	0.0014	0.0004	0.0027	0.0007	0.0009	0.0018	0.0015	0.0004	0.0007	0.0019	0.0021	0.0012	0.0	100.0
B322	2	0.0009	0.0009	0.0010	0.0001	0.0000	0.0019	0.0009	0.0009	0.0009	0.0010	0.0010	0.0002	0.0	100.0
I322B	10	0.0029	0.0015	0.0046	0.0013	0.0019	0.0038	0.0022	0.0016	0.0018	0.0044	0.0045	0.0026	0.0	100.0
S322	5	0.0005	0.0004	0.0005	0.0000	0.0004	0.0005	0.0005	0.0004	0.0005	0.0005	0.0005	0.0000	0.0	100.0
A341	8	0.0003	0.0001	0.0004	0.0001	0.0002	0.0004	0.0003	0.0001	0.0002	0.0004	0.0004	0.0002	0.0	50.0
All	164	0.0009	0.0001	0.0056	0.0009	0.0008	0.0011	0.0007	0.0003	0.0004	0.0011	0.0018	0.0007	0.6	88.4
Storm Flow															
A310	8	0.0006	0.0005	0.0009	0.0002	0.0005	0.0007	0.0005	0.0005	0.0005	0.0007	0.0009	0.0002	0.0	100.0
E319	13	0.0004	0.0001	0.0004	0.0001	0.0003	0.0004	0.0004	0.0002	0.0004	0.0004	0.0004	0.0000	0.0	30.8
A307	12	0.0024	0.0015	0.0034	0.0005	0.0020	0.0027	0.0023	0.0020	0.0021	0.0026	0.0033	0.0005	0.0	100.0
C317	4	0.0024	0.0018	0.0030	0.0006	0.0015	0.0033	0.0024	0.0018	0.0019	0.0029	0.0030	0.0010	0.0	100.0
A317	13	0.0027	0.0019	0.0037	0.0005	0.0024	0.0031	0.0029	0.0019	0.0023	0.0030	0.0032	0.0007	0.0	100.0
A326	5	0.0019	0.0016	0.0021	0.0002	0.0016	0.0021	0.0020	0.0016	0.0017	0.0020	0.0021	0.0003	0.0	100.0
B317	7	0.0033	0.0022	0.0064	0.0015	0.0019	0.0046	0.0026	0.0022	0.0024	0.0040	0.0064	0.0017	0.0	100.0
A315	4	0.0020	0.0018	0.0024	0.0003	0.0016	0.0024	0.0019	0.0018	0.0019	0.0022	0.0024	0.0003	0.0	100.0
A330	5	0.0008	0.0003	0.0012	0.0003	0.0004	0.0013	0.0010	0.0003	0.0008	0.0010	0.0012	0.0002	0.0	100.0
A320	4	0.0006	0.0004	0.0007	0.0002	0.0004	0.0009	0.0007	0.0004	0.0005	0.0007	0.0007	0.0002	0.0	100.0
Y320	12	0.0014	0.0011	0.0020	0.0003	0.0013	0.0016	0.0015	0.0012	0.0012	0.0016	0.0017	0.0004	0.0	100.0
F321	3	0.0005	0.0003	0.0008	0.0003	-0.0002	0.0012	0.0004	0.0003	0.0003	0.0008	0.0008	0.0005	0.0	100.0
0322	16	0.0023	0.0006	0.0039	0.0011	0.0017	0.0029	0.0022	0.0007	0.0014	0.0032	0.0038	0.0018	0.0	100.0
D322	10	0.0044	0.0024	0.0072	0.0014	0.0034	0.0054	0.0043	0.0027	0.0032	0.0052	0.0065	0.0020	10.0	100.0
B322	5	0.0058	0.0040	0.0087	0.0018	0.0036	0.0080	0.0056	0.0040	0.0048	0.0060	0.0087	0.0012	0.0	100.0
I322B	11	0.0021	0.0014	0.0033	0.0005	0.0018	0.0025	0.0023	0.0016	0.0016	0.0023	0.0026	0.0008	0.0	100.0
S322	3	0.0007	0.0004	0.0011	0.0004	-0.0002	0.0016	0.0007	0.0003	0.0003	0.0011	0.0011	0.0007	0.0	100.0
A341	4	0.0004	0.0002	0.0005	0.0001	0.0002	0.0005	0.0004	0.0002	0.0003	0.0004	0.0005	0.0001	0.0	100.0
All	139	0.0021	0.0001	0.0087	0.0015	0.0018	0.0023	0.0020	0.0004	0.0008	0.0027	0.0038	0.0019	0.7	93.5

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H12. Summary statistics for total copper concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0007	0.0004	0.0015	0.0003	0.0006	0.0009	0.0007	0.0005	0.0005	0.0009	0.0010	0.0003	n.a.	100.0
E319	16	0.0004	0.0002	0.0006	0.0001	0.0003	0.0004	0.0004	0.0002	0.0003	0.0004	0.0005	0.0001	n.a.	56.3
A307	13	0.0009	0.0004	0.0019	0.0004	0.0007	0.0012	0.0008	0.0004	0.0007	0.0012	0.0014	0.0005	n.a.	100.0
C317	5	0.0020	0.0013	0.0037	0.0010	0.0008	0.0033	0.0016	0.0013	0.0015	0.0021	0.0037	0.0006	n.a.	100.0
A317	14	0.0017	0.0010	0.0039	0.0008	0.0012	0.0021	0.0015	0.0010	0.0012	0.0018	0.0022	0.0006	n.a.	100.0
A326	7	0.0012	0.0009	0.0019	0.0003	0.0009	0.0015	0.0012	0.0009	0.0011	0.0013	0.0019	0.0002	n.a.	100.0
B317	13	0.0028	0.0013	0.0091	0.0024	0.0013	0.0042	0.0017	0.0013	0.0015	0.0022	0.0057	0.0007	n.a.	100.0
A315	5	0.0015	0.0010	0.0028	0.0008	0.0006	0.0025	0.0013	0.0010	0.0010	0.0015	0.0028	0.0005	n.a.	100.0
A330	7	0.0007	0.0005	0.0009	0.0001	0.0006	0.0008	0.0007	0.0005	0.0006	0.0008	0.0009	0.0002	n.a.	100.0
A320	5	0.0005	0.0004	0.0006	0.0001	0.0004	0.0006	0.0005	0.0004	0.0004	0.0005	0.0006	0.0001	n.a.	100.0
Y320	10	0.0013	0.0007	0.0027	0.0007	0.0008	0.0018	0.0011	0.0008	0.0010	0.0012	0.0027	0.0002	n.a.	100.0
F321	6	0.0002	0.0001	0.0002	0.0000	0.0001	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	n.a.	100.0
0322	13	0.0011	0.0005	0.0021	0.0005	0.0008	0.0014	0.0010	0.0005	0.0006	0.0015	0.0015	0.0008	n.a.	100.0
D322	13	0.0018	0.0005	0.0036	0.0010	0.0012	0.0023	0.0017	0.0007	0.0009	0.0022	0.0034	0.0013	n.a.	100.0
B322	2	0.0017	0.0014	0.0021	0.0005	-0.0028	0.0062	0.0017	0.0014	0.0014	0.0021	0.0021	0.0007	n.a.	100.0
I322B	10	0.0037	0.0016	0.0069	0.0019	0.0024	0.0051	0.0033	0.0018	0.0019	0.0052	0.0064	0.0033	n.a.	100.0
S322	5	0.0006	0.0004	0.0008	0.0001	0.0004	0.0007	0.0005	0.0004	0.0005	0.0006	0.0008	0.0001	n.a.	80.0
A341	8	0.0004	0.0002	0.0005	0.0001	0.0003	0.0004	0.0004	0.0002	0.0003	0.0004	0.0005	0.0001	n.a.	87.5
All	164	0.0013	0.0001	0.0091	0.0013	0.0011	0.0015	0.0010	0.0004	0.0005	0.0016	0.0023	0.0011	n.a.	94.5
Storm Flow															
A310	8	0.0012	0.0007	0.0019	0.0004	0.0009	0.0015	0.0012	0.0007	0.0010	0.0015	0.0019	0.0004	n.a.	100.0
E319	13	0.0014	0.0002	0.0068	0.0017	0.0003	0.0024	0.0009	0.0004	0.0004	0.0014	0.0023	0.0009	n.a.	84.6
A307	12	0.0081	0.0029	0.0400	0.0103	0.0015	0.0146	0.0048	0.0032	0.0032	0.0078	0.0100	0.0046	n.a.	100.0
C317	4	0.0038	0.0035	0.0041	0.0003	0.0034	0.0042	0.0037	0.0035	0.0036	0.0039	0.0041	0.0003	n.a.	100.0
A317	13	0.0052	0.0038	0.0072	0.0012	0.0045	0.0059	0.0050	0.0039	0.0042	0.0062	0.0069	0.0020	n.a.	100.0
A326	5	0.0029	0.0023	0.0041	0.0009	0.0018	0.0040	0.0023	0.0022	0.0023	0.0036	0.0041	0.0013	n.a.	100.0
B317	7	0.0077	0.0034	0.0100	0.0029	0.0050	0.0104	0.0088	0.0034	0.0037	0.0100	0.0100	0.0063	n.a.	100.0
A315	4	0.0033	0.0023	0.0041	0.0008	0.0021	0.0045	0.0034	0.0023	0.0028	0.0038	0.0041	0.0011	n.a.	100.0
A330	5	0.0019	0.0006	0.0033	0.0011	0.0006	0.0033	0.0016	0.0006	0.0014	0.0029	0.0033	0.0014	n.a.	100.0
A320	4	0.0010	0.0004	0.0015	0.0005	0.0003	0.0017	0.0011	0.0004	0.0007	0.0014	0.0015	0.0007	n.a.	100.0
Y320	12	0.0020	0.0016	0.0028	0.0004	0.0018	0.0022	0.0020	0.0016	0.0017	0.0022	0.0024	0.0005	n.a.	100.0
F321	3	0.0011	0.0004	0.0023	0.0011	-0.0016	0.0037	0.0005	0.0004	0.0004	0.0023	0.0023	0.0019	n.a.	100.0
0322	16	0.0038	0.0008	0.0100	0.0025	0.0025	0.0052	0.0034	0.0008	0.0022	0.0046	0.0085	0.0024	n.a.	100.0
D322	10	0.0055	0.0029	0.0100	0.0024	0.0038	0.0072	0.0047	0.0032	0.0040	0.0059	0.0096	0.0020	n.a.	100.0
B322	5	0.0077	0.0048	0.0100	0.0023	0.0049	0.0105	0.0071	0.0048	0.0068	0.0100	0.0100	0.0032	n.a.	100.0
I322B	11	0.0033	0.0022	0.0054	0.0009	0.0027	0.0039	0.0033	0.0024	0.0025	0.0039	0.0039	0.0014	n.a.	100.0
S322	3	0.0013	0.0004	0.0027	0.0012	-0.0017	0.0043	0.0009	0.0004	0.0004	0.0027	0.0027	0.0023	n.a.	100.0
A341	4	0.0015	0.0011	0.0019	0.0003	0.0009	0.0020	0.0015	0.0011	0.0012	0.0017	0.0019	0.0005	n.a.	100.0
All	139	0.0038	0.0002	0.0400	0.0040	0.0032	0.0045	0.0033	0.0009	0.0016	0.0047	0.0074	0.0030	n.a.	98.6

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H13. Summary statistics for dissolved iron concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.19	0.05	0.47	0.15	0.10	0.29	0.13	0.05	0.07	0.34	0.39	0.28	0.0	91.7
E319	16	0.05	0.05	0.06	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.00	0.0	12.5
A307	13	0.09	0.05	0.12	0.02	0.08	0.10	0.09	0.08	0.08	0.10	0.11	0.02	0.0	100.0
C317	5	0.43	0.05	0.77	0.32	0.03	0.83	0.48	0.05	0.15	0.71	0.77	0.56	0.0	100.0
A317	14	0.42	0.05	1.12	0.36	0.22	0.63	0.33	0.06	0.13	0.76	0.83	0.63	7.1	100.0
A326	7	0.09	0.05	0.15	0.05	0.04	0.13	0.05	0.05	0.05	0.13	0.15	0.08	0.0	42.9
B317	13	0.62	0.20	1.15	0.36	0.40	0.84	0.45	0.24	0.35	1.00	1.11	0.65	23.1	100.0
A315	5	0.37	0.07	0.67	0.26	0.05	0.69	0.30	0.07	0.20	0.60	0.67	0.40	0.0	100.0
A330	7	0.05	0.05	0.05	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.0	0.0
A320	5	0.05	0.05	0.06	0.01	0.05	0.06	0.05	0.05	0.05	0.06	0.06	0.01	0.0	100.0
Y320	10	0.18	0.10	0.30	0.06	0.13	0.22	0.17	0.10	0.13	0.21	0.27	0.08	0.0	100.0
F321	6	0.05	0.05	0.05	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.0	0.0
0322	13	0.06	0.05	0.07	0.01	0.05	0.06	0.05	0.05	0.05	0.06	0.07	0.01	0.0	30.8
D322	13	0.17	0.07	0.26	0.05	0.14	0.21	0.17	0.12	0.14	0.22	0.25	0.08	0.0	100.0
B322	2	0.07	0.05	0.08	0.02	-0.13	0.26	0.06	0.05	0.05	0.08	0.08	0.03	0.0	50.0
I322B	10	0.05	0.05	0.05	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.0	0.0
S322	5	0.05	0.05	0.05	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.0	20.0
A341	8	0.05	0.05	0.05	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.0	0.0
All	164	0.18	0.05	1.15	0.24	0.14	0.22	0.07	0.05	0.05	0.18	0.48	0.13	2.4	61.0
Storm Flow															
A310	8	0.18	0.07	0.34	0.12	0.08	0.28	0.12	0.07	0.08	0.31	0.34	0.23	n.a.	100.0
E319	13	0.05	0.05	0.08	0.01	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.00	n.a.	7.7
A307	12	0.14	0.10	0.21	0.04	0.12	0.17	0.13	0.11	0.12	0.17	0.20	0.05	n.a.	100.0
C317	4	0.39	0.19	0.57	0.16	0.14	0.64	0.40	0.19	0.28	0.50	0.57	0.23	n.a.	100.0
A317	13	0.31	0.18	0.49	0.11	0.25	0.38	0.28	0.19	0.26	0.37	0.46	0.11	n.a.	100.0
A326	5	0.07	0.05	0.12	0.03	0.04	0.11	0.07	0.05	0.06	0.07	0.12	0.01	n.a.	100.0
B317	7	0.33	0.11	0.70	0.21	0.13	0.53	0.28	0.11	0.12	0.48	0.70	0.36	n.a.	100.0
A315	4	0.28	0.17	0.35	0.08	0.15	0.41	0.31	0.17	0.22	0.34	0.35	0.13	n.a.	100.0
A330	5	0.07	0.05	0.08	0.01	0.05	0.08	0.07	0.05	0.06	0.08	0.08	0.02	n.a.	80.0
A320	4	0.09	0.07	0.11	0.02	0.06	0.11	0.08	0.07	0.08	0.09	0.11	0.02	n.a.	100.0
Y320	12	0.10	0.07	0.18	0.03	0.08	0.12	0.10	0.08	0.09	0.11	0.12	0.02	n.a.	100.0
F321	3	0.09	0.06	0.14	0.05	-0.03	0.20	0.06	0.06	0.06	0.14	0.14	0.08	n.a.	100.0
0322	16	0.11	0.05	0.17	0.04	0.09	0.13	0.12	0.05	0.08	0.13	0.16	0.06	n.a.	81.3
D322	10	0.22	0.18	0.32	0.04	0.19	0.25	0.21	0.18	0.19	0.24	0.28	0.05	n.a.	100.0
B322	5	0.22	0.16	0.37	0.08	0.12	0.33	0.19	0.16	0.19	0.20	0.37	0.01	n.a.	100.0
I322B	11	0.05	0.05	0.06	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	n.a.	36.4
S322	3	0.08	0.05	0.11	0.03	0.01	0.15	0.08	0.05	0.05	0.11	0.11	0.06	n.a.	66.7
A341	4	0.05	0.05	0.05	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	n.a.	0.0
All	139	0.15	0.05	0.70	0.12	0.13	0.18	0.11	0.05	0.06	0.20	0.34	0.14	n.a.	79.9

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H14. Summary statistics for total iron concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.67	0.34	1.26	0.26	0.51	0.84	0.64	0.42	0.49	0.76	0.98	0.28	8.3	100.0
E319	16	0.20	0.07	0.54	0.15	0.12	0.28	0.14	0.07	0.09	0.25	0.43	0.16	0.0	87.5
A307	13	0.51	0.28	1.52	0.32	0.32	0.71	0.40	0.33	0.37	0.50	0.72	0.13	7.7	100.0
C317	5	3.36	1.88	4.05	0.85	2.31	4.42	3.64	1.88	3.61	3.64	4.05	0.03	100.0	100.0
A317	14	3.38	2.17	4.31	0.63	3.01	3.74	3.51	2.19	3.12	3.86	4.03	0.74	100.0	100.0
A326	7	0.18	0.07	0.32	0.09	0.10	0.27	0.14	0.07	0.12	0.28	0.32	0.16	0.0	100.0
B317	13	2.28	0.85	3.84	0.91	1.73	2.83	2.52	0.87	1.67	2.91	3.05	1.24	84.6	100.0
A315	5	1.76	0.51	3.44	1.47	-0.07	3.59	0.91	0.51	0.65	3.29	3.44	2.64	40.0	100.0
A330	7	0.25	0.16	0.50	0.12	0.14	0.36	0.20	0.16	0.17	0.29	0.50	0.12	0.0	100.0
A320	5	0.17	0.13	0.22	0.04	0.12	0.22	0.18	0.13	0.13	0.19	0.22	0.06	0.0	100.0
Y320	10	0.50	0.23	0.80	0.21	0.35	0.65	0.46	0.25	0.33	0.69	0.80	0.36	0.0	100.0
F321	6	0.19	0.05	0.25	0.10	0.08	0.29	0.25	0.05	0.06	0.25	0.25	0.19	0.0	33.3
0322	13	0.16	0.05	0.32	0.10	0.10	0.22	0.16	0.06	0.06	0.23	0.30	0.17	0.0	100.0
D322	13	0.62	0.43	1.80	0.36	0.41	0.84	0.54	0.45	0.48	0.58	0.62	0.10	7.7	100.0
B322	2	0.49	0.34	0.64	0.21	-1.42	2.40	0.49	0.34	0.34	0.64	0.64	0.30	0.0	100.0
I322B	10	0.23	0.05	1.19	0.35	-0.02	0.48	0.08	0.06	0.07	0.25	0.75	0.18	10.0	90.0
S322	5	0.07	0.06	0.09	0.01	0.06	0.09	0.07	0.06	0.06	0.09	0.09	0.03	0.0	100.0
A341	8	0.13	0.09	0.17	0.03	0.11	0.16	0.14	0.09	0.10	0.16	0.17	0.05	0.0	100.0
All	164	0.89	0.05	4.31	1.17	0.71	1.07	0.37	0.07	0.16	0.79	3.19	0.63	22.0	95.7
Storm Flow															
A310	8	0.80	0.55	1.32	0.26	0.58	1.02	0.79	0.55	0.57	0.91	1.32	0.33	n.a.	100.0
E319	13	1.04	0.06	5.06	1.33	0.23	1.85	0.78	0.08	0.23	1.42	1.64	1.19	n.a.	100.0
A307	12	4.30	0.66	26.70	7.19	-0.27	8.87	2.16	0.68	0.95	4.25	4.42	3.30	n.a.	100.0
C317	4	1.89	1.32	2.14	0.38	1.28	2.50	2.05	1.32	1.65	2.12	2.14	0.46	n.a.	100.0
A317	13	3.25	1.22	8.26	1.99	2.05	4.46	2.59	1.75	1.88	4.37	5.32	2.49	n.a.	100.0
A326	5	0.55	0.18	1.22	0.41	0.04	1.06	0.54	0.18	0.25	0.56	1.22	0.31	n.a.	100.0
B317	7	4.23	1.44	11.70	3.50	1.00	7.47	3.29	1.44	2.07	5.13	11.70	3.06	n.a.	100.0
A315	4	2.10	0.69	3.28	1.07	0.40	3.79	2.21	0.69	1.42	2.77	3.28	1.35	n.a.	100.0
A330	5	1.18	0.26	2.49	0.91	0.04	2.31	0.80	0.26	0.61	1.72	2.49	1.11	n.a.	100.0
A320	4	0.42	0.17	0.74	0.24	0.04	0.80	0.39	0.17	0.26	0.58	0.74	0.32	n.a.	100.0
Y320	12	0.56	0.25	1.22	0.24	0.40	0.71	0.56	0.34	0.41	0.60	0.67	0.19	n.a.	100.0
F321	3	0.52	0.12	1.28	0.66	-1.11	2.15	0.17	0.12	0.12	1.28	1.28	1.16	n.a.	100.0
0322	16	1.16	0.12	5.08	1.32	0.46	1.86	0.71	0.17	0.55	1.13	3.63	0.58	n.a.	100.0
D322	10	1.16	0.45	3.62	1.04	0.42	1.91	0.77	0.47	0.53	1.09	3.02	0.56	n.a.	100.0
B322	5	0.76	0.37	1.57	0.54	0.08	1.43	0.39	0.37	0.39	1.06	1.57	0.67	n.a.	100.0
I322B	11	0.41	0.07	1.03	0.32	0.20	0.63	0.35	0.11	0.15	0.76	0.79	0.61	n.a.	100.0
S322	3	0.64	0.06	1.59	0.83	-1.42	2.70	0.27	0.06	0.06	1.59	1.59	1.53	n.a.	100.0
A341	4	0.61	0.25	0.78	0.25	0.21	1.00	0.69	0.25	0.44	0.77	0.78	0.34	n.a.	100.0
All	139	1.59	0.06	26.70	2.70	1.14	2.04	0.79	0.22	0.47	1.85	3.53	1.38	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H15. Summary statistics for dissolved lead concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.000113	0.000025	0.000200	0.000091	0.000054	0.000171	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
E319	16	0.000134	0.000025	0.000200	0.000087	0.000088	0.000181	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A307	13	0.000126	0.000025	0.000220	0.000087	0.000073	0.000178	0.000200	0.000025	0.000039	0.000200	0.000200	0.000161	0.0	38.5
C317	5	0.000039	0.000025	0.000060	0.000015	0.000020	0.000058	0.000037	0.000025	0.000025	0.000049	0.000060	0.000024	0.0	60.0
A317	14	0.000129	0.000025	0.000200	0.000086	0.000079	0.000178	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	14.3
A326	7	0.000194	0.000040	0.000320	0.000134	0.000069	0.000318	0.000267	0.000040	0.000044	0.000318	0.000320	0.000274	0.0	100.0
B317	13	0.000279	0.000091	0.000870	0.000236	0.000137	0.000422	0.000200	0.000132	0.000200	0.000220	0.000726	0.000020	0.0	61.5
A315	5	0.000048	0.000025	0.000071	0.000017	0.000026	0.000069	0.000049	0.000025	0.000039	0.000055	0.000071	0.000016	0.0	80.0
A330	7	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
A320	5	0.000030	0.000025	0.000039	0.000007	0.000021	0.000038	0.000025	0.000025	0.000025	0.000034	0.000039	0.000009	0.0	40.0
Y320	10	0.000138	0.000025	0.000200	0.000081	0.000080	0.000195	0.000200	0.000037	0.000050	0.000200	0.000200	0.000150	0.0	30.0
F321	6	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
0322	13	0.000133	0.000025	0.000200	0.000089	0.000079	0.000186	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
D322	13	0.000135	0.000025	0.000200	0.000086	0.000082	0.000187	0.000200	0.000025	0.000031	0.000200	0.000200	0.000169	0.0	23.1
B322	2	0.000039	0.000035	0.000043	0.000006	-0.000012	0.000090	0.000039	0.000035	0.000035	0.000043	0.000043	0.000008	0.0	100.0
I322B	10	0.000119	0.000027	0.000200	0.000086	0.000058	0.000180	0.000130	0.000028	0.000034	0.000200	0.000200	0.000166	0.0	50.0
S322	5	0.000130	0.000025	0.000200	0.000096	0.000011	0.000249	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A341	8	0.000113	0.000025	0.000200	0.000094	0.000034	0.000191	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
All	164	0.000125	0.000025	0.000870	0.000116	0.000107	0.000143	0.000081	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	26.8
Storm Flow															
A310	8	0.000129	0.000051	0.000200	0.000076	0.000065	0.000193	0.000133	0.000051	0.000058	0.000200	0.000200	0.000142	0.0	50.0
E319	13	0.000146	0.000025	0.000200	0.000084	0.000095	0.000197	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A307	12	0.000250	0.000200	0.000347	0.000050	0.000218	0.000282	0.000229	0.000201	0.000217	0.000277	0.000333	0.000059	0.0	91.7
C317	4	0.000238	0.000219	0.000255	0.000016	0.000213	0.000264	0.000240	0.000219	0.000225	0.000251	0.000255	0.000025	0.0	100.0
A317	13	0.000250	0.000200	0.000320	0.000038	0.000227	0.000273	0.000242	0.000210	0.000230	0.000250	0.000310	0.000020	0.0	92.3
A326	5	0.000313	0.000164	0.000459	0.000127	0.000156	0.000470	0.000258	0.000164	0.000252	0.000431	0.000459	0.000179	0.0	100.0
B317	7	0.000367	0.000250	0.000560	0.000106	0.000269	0.000465	0.000320	0.000250	0.000306	0.000450	0.000560	0.000144	0.0	100.0
A315	4	0.000128	0.000100	0.000144	0.000020	0.000096	0.000159	0.000133	0.000100	0.000113	0.000142	0.000144	0.000029	0.0	100.0
A330	5	0.000049	0.000025	0.000070	0.000020	0.000025	0.000074	0.000043	0.000025	0.000040	0.000069	0.000070	0.000029	0.0	80.0
A320	4	0.000044	0.000025	0.000065	0.000019	0.000013	0.000074	0.000042	0.000025	0.000028	0.000060	0.000065	0.000032	0.0	75.0
Y320	12	0.000168	0.000088	0.000209	0.000049	0.000137	0.000200	0.000200	0.000100	0.000110	0.000200	0.000200	0.000090	0.0	41.7
F321	3	0.000060	0.000043	0.000083	0.000021	0.000008	0.000111	0.000053	0.000043	0.000043	0.000083	0.000083	0.000040	0.0	100.0
0322	16	0.000166	0.000025	0.000330	0.000079	0.000124	0.000208	0.000200	0.000047	0.000088	0.000200	0.000200	0.000111	0.0	31.3
D322	10	0.000196	0.000048	0.000673	0.000181	0.000067	0.000326	0.000200	0.000056	0.000079	0.000207	0.000442	0.000128	0.0	70.0
B322	5	0.000174	0.000110	0.000237	0.000054	0.000106	0.000241	0.000152	0.000110	0.000146	0.000224	0.000237	0.000078	0.0	100.0
I322B	11	0.000151	0.000027	0.000206	0.000063	0.000108	0.000193	0.000181	0.000077	0.000092	0.000200	0.000205	0.000108	0.0	72.7
S322	3	0.000083	0.000025	0.000200	0.000101	-0.000168	0.000334	0.000025	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A341	4	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
All	139	0.000179	0.000025	0.000673	0.000109	0.000161	0.000197	0.000200	0.000029	0.000083	0.000222	0.000304	0.000139	0.0	62.6

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H16. Summary statistics for total lead concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.000169	0.000056	0.000325	0.000074	0.000122	0.000215	0.000200	0.000066	0.000120	0.000200	0.000200	0.000080	n.a.	50.0
E319	16	0.000138	0.000025	0.000200	0.000083	0.000094	0.000182	0.000200	0.000025	0.000033	0.000200	0.000200	0.000167	n.a.	18.8
A307	13	0.000553	0.000130	0.002210	0.000556	0.000217	0.000889	0.000320	0.000213	0.000291	0.000644	0.001007	0.000353	n.a.	92.3
C317	5	0.000947	0.000328	0.002990	0.001150	-0.000481	0.002376	0.000378	0.000328	0.000365	0.000676	0.002990	0.000311	n.a.	100.0
A317	14	0.000344	0.000088	0.001520	0.000361	0.000136	0.000553	0.000201	0.000120	0.000171	0.000330	0.000510	0.000159	n.a.	78.6
A326	7	0.000552	0.000168	0.000970	0.000348	0.000230	0.000874	0.000500	0.000168	0.000233	0.000920	0.000970	0.000687	n.a.	100.0
B317	13	0.001694	0.000281	0.005470	0.001912	0.000538	0.002849	0.000800	0.000576	0.000624	0.001030	0.005460	0.000406	n.a.	100.0
A315	5	0.000419	0.000100	0.000938	0.000341	-0.000004	0.000842	0.000244	0.000100	0.000230	0.000584	0.000938	0.000354	n.a.	100.0
A330	7	0.000084	0.000044	0.000170	0.000040	0.000047	0.000122	0.000078	0.000044	0.000064	0.000090	0.000170	0.000026	n.a.	100.0
A320	5	0.000076	0.000035	0.000128	0.000043	0.000024	0.000129	0.000074	0.000035	0.000035	0.000110	0.000128	0.000075	n.a.	100.0
Y320	10	0.000231	0.000066	0.000423	0.000113	0.000150	0.000312	0.000200	0.000074	0.000200	0.000300	0.000396	0.000100	n.a.	60.0
F321	6	0.000032	0.000025	0.000045	0.000010	0.000021	0.000043	0.000025	0.000025	0.000025	0.000045	0.000045	0.000020	n.a.	33.3
0322	13	0.000151	0.000025	0.000200	0.000069	0.000109	0.000192	0.000200	0.000033	0.000098	0.000200	0.000200	0.000102	n.a.	30.8
D322	13	0.000182	0.000033	0.000601	0.000141	0.000096	0.000267	0.000200	0.000068	0.000089	0.000200	0.000200	0.000111	n.a.	53.8
B322	2	0.000206	0.000110	0.000301	0.000135	-0.001008	0.001419	0.000205	0.000110	0.000110	0.000301	0.000301	0.000191	n.a.	100.0
I322B	10	0.001086	0.000093	0.008760	0.002700	-0.000846	0.003018	0.000200	0.000096	0.000110	0.000481	0.004637	0.000371	n.a.	60.0
S322	5	0.000130	0.000025	0.000200	0.000096	0.000011	0.000249	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
A341	8	0.000128	0.000044	0.000200	0.000077	0.000063	0.000193	0.000137	0.000044	0.000053	0.000200	0.000200	0.000146	n.a.	50.0
All	164	0.000425	0.000025	0.008760	0.000981	0.000274	0.000576	0.000200	0.000044	0.000097	0.000321	0.000753	0.000224	n.a.	64.0
Storm Flow															
A310	8	0.000491	0.000210	0.000765	0.000168	0.000350	0.000631	0.000495	0.000210	0.000399	0.000582	0.000765	0.000183	n.a.	100.0
E319	13	0.000337	0.000025	0.001450	0.000350	0.000126	0.000549	0.000200	0.000200	0.000200	0.000310	0.000470	0.000110	n.a.	46.2
A307	12	0.009312	0.001150	0.060000	0.016314	-0.001053	0.019677	0.004557	0.001150	0.001803	0.009670	0.010000	0.007867	n.a.	100.0
C317	4	0.001529	0.000984	0.002300	0.000562	0.000634	0.002423	0.001415	0.000984	0.001137	0.001920	0.002300	0.000783	n.a.	100.0
A317	13	0.002575	0.000790	0.004270	0.001226	0.001834	0.003316	0.003160	0.001290	0.001360	0.003590	0.003850	0.002230	n.a.	100.0
A326	5	0.002806	0.000647	0.006920	0.002676	-0.000517	0.006129	0.001650	0.000647	0.000763	0.004050	0.006920	0.003287	n.a.	100.0
B317	7	0.006450	0.001370	0.010000	0.003674	0.003052	0.009848	0.007240	0.001370	0.001390	0.010000	0.010000	0.008610	n.a.	100.0
A315	4	0.001369	0.000455	0.002240	0.000733	0.000203	0.002535	0.001390	0.000455	0.000877	0.001860	0.002240	0.000982	n.a.	100.0
A330	5	0.000449	0.000100	0.000951	0.000348	0.000017	0.000881	0.000284	0.000100	0.000250	0.000660	0.000951	0.000410	n.a.	100.0
A320	4	0.000273	0.000046	0.000589	0.000235	-0.000100	0.000646	0.000228	0.000046	0.000102	0.000444	0.000589	0.000342	n.a.	100.0
Y320	12	0.000473	0.000240	0.000840	0.000163	0.000369	0.000577	0.000476	0.000264	0.000371	0.000549	0.000623	0.000179	n.a.	100.0
F321	3	0.000263	0.000080	0.000583	0.000278	-0.000429	0.000954	0.000125	0.000080	0.000080	0.000583	0.000583	0.000503	n.a.	100.0
0322	16	0.000606	0.000066	0.002240	0.000564	0.000306	0.000907	0.000450	0.000185	0.000305	0.000660	0.001630	0.000355	n.a.	93.8
D322	10	0.000453	0.000141	0.001471	0.000448	0.000133	0.000774	0.000227	0.000169	0.000208	0.000478	0.001266	0.000270	n.a.	100.0
B322	5	0.000770	0.000371	0.001620	0.000557	0.000078	0.001462	0.000413	0.000371	0.000386	0.001060	0.001620	0.000674	n.a.	100.0
I322B	11	0.002213	0.000110	0.004958	0.001962	0.000895	0.003532	0.001520	0.000191	0.000303	0.004203	0.004860	0.003900	n.a.	100.0
S322	3	0.000183	0.000025	0.000454	0.000235	-0.000402	0.000768	0.000071	0.000025	0.000025	0.000454	0.000454	0.000429	n.a.	66.7
A341	4	0.000333	0.000277	0.000383	0.000043	0.000263	0.000402	0.000335	0.000277	0.000304	0.000361	0.000383	0.000056	n.a.	100.0
All	139	0.002003	0.000025	0.060000	0.005448	0.001089	0.002917	0.000575	0.000199	0.000301	0.001580	0.004493	0.001279	n.a.	93.5

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H17. Summary statistics for dissolved magnesium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	2.97	1.46	5.00	1.26	2.17	3.77	2.78	1.47	1.85	4.01	4.92	2.16	n.a.	100.0
E319	16	0.90	0.63	1.12	0.16	0.81	0.99	0.90	0.65	0.76	1.05	1.10	0.29	n.a.	100.0
A307	13	14.83	13.80	16.55	0.83	14.33	15.33	14.50	14.01	14.20	15.23	15.90	1.03	n.a.	100.0
C317	5	11.46	9.79	14.00	1.77	9.26	13.66	11.20	9.79	9.92	12.40	14.00	2.48	n.a.	100.0
A317	14	11.73	7.17	14.60	2.17	10.48	12.98	12.20	9.63	9.70	13.30	14.30	3.60	n.a.	100.0
A326	7	9.38	4.32	14.20	4.49	5.23	13.53	9.84	4.32	4.79	13.90	14.20	9.11	n.a.	100.0
B317	13	8.41	3.15	10.50	2.40	6.96	9.86	9.11	4.24	7.41	10.30	10.40	2.89	n.a.	100.0
A315	5	9.25	6.23	11.30	2.03	6.73	11.77	10.00	6.23	8.22	10.50	11.30	2.28	n.a.	100.0
A330	7	8.24	6.57	9.32	1.17	7.16	9.32	8.69	6.57	6.83	9.25	9.32	2.42	n.a.	100.0
A320	5	5.05	4.16	5.75	0.79	4.07	6.03	5.55	4.16	4.22	5.58	5.75	1.36	n.a.	100.0
Y320	10	6.02	3.84	8.11	1.29	5.10	6.94	5.76	4.55	5.36	6.45	8.04	1.09	n.a.	100.0
F321	6	3.47	2.94	3.94	0.47	2.98	3.96	3.58	2.94	2.94	3.84	3.94	0.90	n.a.	100.0
0322	13	4.72	3.76	5.62	0.68	4.30	5.13	4.61	3.90	4.22	5.38	5.60	1.16	n.a.	100.0
D322	13	7.76	3.93	13.05	3.90	5.40	10.12	6.57	4.03	4.49	12.71	13.00	8.22	n.a.	100.0
B322	2	4.50	3.49	5.50	1.42	-8.27	17.26	4.49	3.49	3.49	5.50	5.50	2.01	n.a.	100.0
I322B	10	3.16	0.81	4.06	0.94	2.48	3.84	3.44	1.60	2.99	3.67	3.90	0.68	n.a.	100.0
S322	5	2.93	2.86	3.12	0.11	2.80	3.06	2.88	2.86	2.88	2.93	3.12	0.05	n.a.	100.0
A341	8	2.64	2.45	2.98	0.21	2.47	2.82	2.57	2.45	2.51	2.78	2.98	0.26	n.a.	100.0
All	164	6.64	0.63	16.55	4.42	5.95	7.32	5.37	1.22	3.08	10.00	13.87	6.92	n.a.	100.0
Storm Flow															
A310	8	2.96	2.00	4.60	1.19	1.96	3.95	2.17	2.00	2.09	4.27	4.59	2.18	n.a.	100.0
E319	13	0.69	0.59	0.94	0.10	0.63	0.75	0.65	0.61	0.62	0.73	0.78	0.11	n.a.	100.0
A307	12	8.78	4.76	12.84	2.75	7.03	10.53	9.23	5.25	6.33	11.21	11.99	4.88	n.a.	100.0
C317	4	3.85	2.12	6.07	1.72	1.11	6.58	3.60	2.12	2.54	5.15	6.07	2.61	n.a.	100.0
A317	13	3.52	2.08	6.56	1.38	2.68	4.35	2.96	2.22	2.77	3.99	5.71	1.22	n.a.	100.0
A326	5	6.53	3.09	12.60	3.80	1.82	11.25	6.18	3.09	3.61	7.19	12.60	3.58	n.a.	100.0
B317	7	2.70	1.42	4.10	0.94	1.84	3.57	2.79	1.42	1.68	3.38	4.10	1.70	n.a.	100.0
A315	4	4.72	3.74	6.84	1.46	2.40	7.03	4.14	3.74	3.77	5.66	6.84	1.89	n.a.	100.0
A330	5	6.64	3.76	9.49	2.49	3.55	9.74	7.60	3.76	4.30	8.06	9.49	3.76	n.a.	100.0
A320	4	4.84	3.42	5.80	1.04	3.19	6.49	5.07	3.42	4.10	5.59	5.80	1.49	n.a.	100.0
Y320	12	2.94	1.77	5.35	0.84	2.40	3.47	2.87	2.46	2.57	2.98	3.05	0.41	n.a.	100.0
F321	3	2.49	2.20	2.86	0.34	1.65	3.33	2.41	2.20	2.20	2.86	2.86	0.66	n.a.	100.0
0322	16	3.80	2.80	5.17	0.69	3.43	4.17	3.67	3.09	3.29	4.13	4.93	0.84	n.a.	100.0
D322	10	4.20	3.37	6.60	0.94	3.53	4.87	4.19	3.38	3.40	4.37	5.49	0.97	n.a.	100.0
B322	5	6.38	4.26	7.84	1.45	4.59	8.17	6.31	4.26	5.89	7.60	7.84	1.71	n.a.	100.0
I322B	11	1.91	0.30	3.46	0.92	1.30	2.53	1.82	1.12	1.19	2.81	2.96	1.62	n.a.	100.0
S322	3	2.70	2.33	3.15	0.41	1.67	3.73	2.63	2.33	2.33	3.15	3.15	0.82	n.a.	100.0
A341	4	1.95	1.80	2.09	0.13	1.74	2.15	1.95	1.80	1.85	2.05	2.09	0.20	n.a.	100.0
All	139	3.86	0.30	12.84	2.54	3.43	4.29	3.25	1.08	2.21	4.68	7.23	2.47	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H18. Summary statistics for total magnesium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	3.05	1.54	4.94	1.16	2.31	3.78	2.93	1.60	2.06	3.92	4.83	1.87	n.a.	100.0
E319	16	0.93	0.68	1.12	0.14	0.85	1.00	0.91	0.73	0.85	1.06	1.10	0.21	n.a.	100.0
A307	13	15.10	14.27	16.27	0.61	14.73	15.47	15.07	14.40	14.40	15.50	15.63	1.10	n.a.	100.0
C317	5	11.40	9.91	13.40	1.47	9.58	13.22	11.00	9.91	10.30	12.40	13.40	2.10	n.a.	100.0
A317	14	11.76	7.31	14.50	2.08	10.56	12.96	12.20	9.76	9.85	13.50	13.80	3.65	n.a.	100.0
A326	7	9.37	4.39	14.00	4.47	5.23	13.50	9.73	4.39	4.91	13.70	14.00	8.79	n.a.	100.0
B317	13	8.43	3.41	10.40	2.31	7.04	9.82	9.33	4.29	7.59	10.10	10.30	2.51	n.a.	100.0
A315	5	9.20	6.45	11.20	1.94	6.80	11.61	9.96	6.45	8.01	10.40	11.20	2.39	n.a.	100.0
A330	7	8.33	6.79	9.32	1.13	7.28	9.38	9.01	6.79	7.02	9.30	9.32	2.28	n.a.	100.0
A320	5	4.98	4.15	5.66	0.73	4.07	5.89	5.35	4.15	4.23	5.51	5.66	1.28	n.a.	100.0
Y320	10	6.07	3.70	8.19	1.32	5.12	7.02	5.95	4.50	5.46	6.29	8.14	0.83	n.a.	100.0
F321	6	3.50	2.97	3.87	0.41	3.07	3.93	3.67	2.97	3.01	3.80	3.87	0.79	n.a.	100.0
0322	13	4.76	3.88	5.66	0.62	4.38	5.13	4.73	4.03	4.27	5.28	5.55	1.01	n.a.	100.0
D322	13	7.75	4.04	12.80	3.77	5.47	10.02	6.72	4.10	4.59	12.52	12.79	7.93	n.a.	100.0
B322	2	4.63	3.62	5.64	1.43	-8.20	17.46	4.63	3.62	3.62	5.64	5.64	2.02	n.a.	100.0
I322B	10	3.21	1.07	3.92	0.88	2.59	3.84	3.52	1.74	3.04	3.67	3.92	0.63	n.a.	100.0
S322	5	2.90	2.79	3.06	0.10	2.77	3.02	2.87	2.79	2.86	2.90	3.06	0.04	n.a.	100.0
A341	8	2.72	2.57	3.08	0.21	2.54	2.90	2.64	2.57	2.57	2.86	3.08	0.28	n.a.	100.0
All	164	6.68	0.68	16.27	4.42	6.00	7.36	5.29	1.25	3.07	10.00	13.70	6.92	n.a.	100.0
Storm Flow															
A310	8	3.01	2.16	4.49	1.08	2.11	3.91	2.29	2.16	2.22	4.22	4.49	1.99	n.a.	100.0
E319	13	0.92	0.64	1.77	0.29	0.74	1.09	0.90	0.64	0.75	0.97	1.08	0.22	n.a.	100.0
A307	12	9.47	6.12	12.73	2.10	8.14	10.81	9.81	6.81	7.56	10.98	11.95	3.42	n.a.	100.0
C317	4	3.91	2.45	6.02	1.60	1.36	6.45	3.58	2.45	2.68	5.13	6.02	2.44	n.a.	100.0
A317	13	3.68	2.37	6.46	1.25	2.92	4.43	3.18	2.57	2.97	4.08	5.68	1.11	n.a.	100.0
A326	5	6.47	3.35	12.20	3.53	2.09	10.85	6.20	3.35	3.82	6.79	12.20	2.97	n.a.	100.0
B317	7	2.99	1.79	4.17	0.86	2.19	3.78	2.99	1.79	2.04	3.66	4.17	1.62	n.a.	100.0
A315	4	4.77	3.66	6.66	1.34	2.64	6.91	4.39	3.66	3.83	5.72	6.66	1.89	n.a.	100.0
A330	5	6.86	4.43	9.14	1.94	4.44	9.27	7.57	4.43	5.28	7.87	9.14	2.59	n.a.	100.0
A320	4	4.83	3.64	5.69	0.90	3.39	6.27	4.99	3.64	4.14	5.51	5.69	1.38	n.a.	100.0
Y320	12	3.07	1.96	5.63	0.88	2.51	3.63	2.95	2.54	2.69	3.13	3.24	0.44	n.a.	100.0
F321	3	2.63	2.30	2.82	0.29	1.91	3.35	2.78	2.30	2.30	2.82	2.82	0.52	n.a.	100.0
0322	16	4.03	3.27	5.05	0.53	3.75	4.31	3.90	3.39	3.76	4.27	4.90	0.51	n.a.	100.0
D322	10	4.39	3.44	6.66	0.93	3.73	5.05	4.39	3.45	3.67	4.48	5.74	0.81	n.a.	100.0
B322	5	6.53	4.50	7.77	1.31	4.91	8.16	6.89	4.50	6.07	7.44	7.77	1.37	n.a.	100.0
I322B	11	2.03	0.52	3.51	0.86	1.45	2.60	1.90	1.38	1.38	2.77	3.06	1.39	n.a.	100.0
S322	3	2.73	2.52	3.08	0.31	1.96	3.49	2.58	2.52	2.52	3.08	3.08	0.56	n.a.	100.0
A341	4	3.36	2.03	6.89	2.36	-0.39	7.11	2.26	2.03	2.14	4.57	6.89	2.43	n.a.	100.0
All	139	4.09	0.52	12.73	2.54	3.67	4.52	3.49	1.38	2.48	4.86	7.51	2.38	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H19. Summary statistics for dissolved manganese concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0388	0.0100	0.1100	0.0331	0.0177	0.0598	0.0267	0.0100	0.0117	0.0600	0.0850	0.0483	n.a.	100.0
E319	16	0.0388	0.0100	0.1000	0.0253	0.0253	0.0522	0.0300	0.0200	0.0200	0.0500	0.0900	0.0300	n.a.	100.0
A307	13	0.0970	0.0500	0.2633	0.0542	0.0642	0.1297	0.0867	0.0500	0.0800	0.0967	0.1233	0.0167	n.a.	100.0
C317	5	0.3880	0.1800	0.4800	0.1195	0.2397	0.5363	0.4200	0.1800	0.4100	0.4500	0.4800	0.0400	n.a.	100.0
A317	14	0.3757	0.1700	0.5500	0.1085	0.3130	0.4384	0.4050	0.2200	0.3000	0.4400	0.4800	0.1400	n.a.	100.0
A326	7	0.0081	0.0052	0.0100	0.0021	0.0062	0.0100	0.0089	0.0052	0.0063	0.0100	0.0100	0.0037	n.a.	100.0
B317	13	0.1715	0.0400	0.3500	0.1071	0.1068	0.2362	0.1500	0.0500	0.0600	0.2700	0.2900	0.2100	n.a.	100.0
A315	5	0.1800	0.0300	0.4700	0.1879	-0.0533	0.4133	0.0700	0.0300	0.0600	0.2700	0.4700	0.2100	n.a.	100.0
A330	7	0.0129	0.0100	0.0200	0.0049	0.0083	0.0174	0.0100	0.0100	0.0100	0.0200	0.0200	0.0100	n.a.	100.0
A320	5	0.0084	0.0062	0.0100	0.0018	0.0061	0.0106	0.0090	0.0062	0.0067	0.0100	0.0100	0.0033	n.a.	100.0
Y320	10	0.0524	0.0045	0.1200	0.0348	0.0275	0.0774	0.0450	0.0072	0.0400	0.0700	0.1050	0.0300	n.a.	100.0
F321	6	0.0005	0.0003	0.0007	0.0002	0.0003	0.0007	0.0005	0.0003	0.0003	0.0006	0.0007	0.0003	n.a.	100.0
0322	13	0.0036	0.0013	0.0086	0.0020	0.0024	0.0048	0.0036	0.0017	0.0020	0.0041	0.0053	0.0021	n.a.	100.0
D322	13	0.0825	0.0300	0.2389	0.0601	0.0462	0.1188	0.0628	0.0300	0.0399	0.1218	0.1280	0.0819	n.a.	100.0
B322	2	0.0250	0.0100	0.0400	0.0212	-0.1656	0.2156	0.0250	0.0100	0.0100	0.0400	0.0400	0.0300	n.a.	100.0
I322B	10	0.0051	0.0016	0.0100	0.0032	0.0028	0.0074	0.0040	0.0018	0.0025	0.0080	0.0094	0.0055	n.a.	100.0
S322	5	0.0032	0.0021	0.0045	0.0009	0.0021	0.0043	0.0032	0.0021	0.0027	0.0036	0.0045	0.0009	n.a.	100.0
A341	8	0.0030	0.0003	0.0064	0.0029	0.0006	0.0054	0.0003	0.0001	0.0001	0.0005	0.0005	0.0004	n.a.	100.0
All	164	0.0893	0.0003	0.5500	0.1322	0.0690	0.1097	0.0300	0.0022	0.0064	0.0945	0.2970	0.0881	n.a.	100.0
Storm Flow															
A310	8	0.0440	0.0100	0.0800	0.0283	0.0203	0.0676	0.0473	0.0100	0.0150	0.0685	0.0800	0.0535	n.a.	100.0
E319	13	0.0180	0.0079	0.0600	0.0138	0.0096	0.0263	0.0200	0.0079	0.0100	0.0200	0.0200	0.0100	n.a.	100.0
A307	12	0.1040	0.0300	0.2837	0.0741	0.0569	0.1511	0.0750	0.0300	0.0600	0.1469	0.1807	0.0869	n.a.	100.0
C317	4	0.1050	0.0500	0.1900	0.0619	0.0065	0.2035	0.0900	0.0500	0.0600	0.1500	0.1900	0.0900	n.a.	100.0
A317	13	0.0592	0.0100	0.1700	0.0455	0.0317	0.0868	0.0500	0.0200	0.0300	0.0600	0.1300	0.0300	n.a.	100.0
A326	5	0.0072	0.0045	0.0100	0.0024	0.0042	0.0101	0.0081	0.0045	0.0048	0.0084	0.0100	0.0036	n.a.	100.0
B317	7	0.0371	0.0100	0.0500	0.0160	0.0223	0.0520	0.0400	0.0100	0.0200	0.0500	0.0500	0.0300	n.a.	100.0
A315	4	0.0945	0.0078	0.1900	0.0763	-0.0270	0.2159	0.0900	0.0078	0.0389	0.1500	0.1900	0.1111	n.a.	100.0
A330	5	0.0100	0.0100	0.0100	0.0000	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0000	n.a.	100.0
A320	4	0.0081	0.0070	0.0100	0.0013	0.0060	0.0102	0.0077	0.0070	0.0073	0.0089	0.0100	0.0016	n.a.	100.0
Y320	12	0.0113	0.0056	0.0386	0.0087	0.0058	0.0168	0.0095	0.0076	0.0080	0.0100	0.0100	0.0020	n.a.	100.0
F321	3	0.0019	0.0012	0.0034	0.0013	-0.0012	0.0051	0.0013	0.0012	0.0012	0.0034	0.0034	0.0022	n.a.	100.0
0322	16	0.0068	0.0016	0.0519	0.0122	0.0002	0.0133	0.0037	0.0016	0.0021	0.0045	0.0100	0.0024	n.a.	100.0
D322	10	0.0273	0.0082	0.0989	0.0292	0.0064	0.0482	0.0123	0.0091	0.0100	0.0377	0.0763	0.0277	n.a.	100.0
B322	5	0.0648	0.0044	0.2500	0.1051	-0.0657	0.1953	0.0100	0.0044	0.0096	0.0500	0.2500	0.0404	n.a.	100.0
I322B	11	0.0078	0.0026	0.0205	0.0046	0.0047	0.0109	0.0066	0.0049	0.0055	0.0087	0.0093	0.0032	n.a.	100.0
S322	3	0.0244	0.0023	0.0682	0.0379	-0.0698	0.1186	0.0027	0.0023	0.0023	0.0682	0.0682	0.0659	n.a.	100.0
A341	4	0.0010	0.0006	0.0013	0.0003	0.0005	0.0014	0.0010	0.0006	0.0007	0.0012	0.0012	0.0005	n.a.	100.0
All	139	0.0345	0.0006	0.2837	0.0493	0.0262	0.0427	0.0100	0.0027	0.0073	0.0500	0.0820	0.0427	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H20. Summary statistics for total manganese concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0471	0.0133	0.1200	0.0318	0.0269	0.0673	0.0350	0.0200	0.0233	0.0650	0.0850	0.0417	n.a.	100.0
E319	16	0.0519	0.0100	0.1200	0.0308	0.0355	0.0683	0.0500	0.0200	0.0300	0.0650	0.1100	0.0350	n.a.	100.0
A307	13	0.1070	0.0800	0.2633	0.0489	0.0775	0.1365	0.0938	0.0800	0.0803	0.1067	0.1233	0.0264	n.a.	100.0
C317	5	0.4140	0.2100	0.4900	0.1167	0.2690	0.5590	0.4400	0.2100	0.4400	0.4900	0.4900	0.0500	n.a.	100.0
A317	14	0.3979	0.2000	0.5400	0.1026	0.3386	0.4571	0.4350	0.2600	0.3200	0.4800	0.4900	0.1600	n.a.	100.0
A326	7	0.0129	0.0100	0.0200	0.0049	0.0083	0.0174	0.0100	0.0100	0.0100	0.0200	0.0200	0.0100	n.a.	100.0
B317	13	0.1977	0.0600	0.3500	0.1097	0.1314	0.2640	0.2000	0.0700	0.0800	0.3100	0.3300	0.2300	n.a.	100.0
A315	5	0.2240	0.0500	0.5400	0.2230	-0.0529	0.5009	0.0800	0.0500	0.0700	0.3800	0.5400	0.3100	n.a.	100.0
A330	7	0.0229	0.0100	0.0300	0.0076	0.0159	0.0298	0.0200	0.0100	0.0200	0.0300	0.0300	0.0100	n.a.	100.0
A320	5	0.0100	0.0100	0.0100	0.0000	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0000	n.a.	100.0
Y320	10	0.1000	0.0100	0.2400	0.0645	0.0539	0.1461	0.0900	0.0300	0.0700	0.1100	0.2050	0.0400	n.a.	100.0
F321	6	0.0017	0.0009	0.0026	0.0007	0.0010	0.0024	0.0016	0.0009	0.0012	0.0025	0.0026	0.0013	n.a.	100.0
0322	13	0.0109	0.0065	0.0300	0.0067	0.0069	0.0150	0.0100	0.0065	0.0073	0.0100	0.0200	0.0027	n.a.	100.0
D322	13	0.0879	0.0399	0.2389	0.0561	0.0540	0.1218	0.0700	0.0400	0.0467	0.1218	0.1280	0.0750	n.a.	100.0
B322	2	0.0450	0.0200	0.0700	0.0354	-0.2727	0.3627	0.0450	0.0200	0.0200	0.0700	0.0700	0.0500	n.a.	100.0
I322B	10	0.0092	0.0029	0.0300	0.0077	0.0037	0.0146	0.0075	0.0033	0.0064	0.0092	0.0200	0.0028	n.a.	100.0
S322	5	0.0038	0.0032	0.0046	0.0007	0.0030	0.0047	0.0036	0.0032	0.0032	0.0045	0.0046	0.0013	n.a.	100.0
A341	8	0.0052	0.0034	0.0064	0.0010	0.0044	0.0060	0.0055	0.0034	0.0045	0.0059	0.0064	0.0014	n.a.	100.0
All	164	0.1034	0.0009	0.5400	0.1396	0.0818	0.1249	0.0500	0.0054	0.0100	0.1100	0.3300	0.1000	n.a.	100.0
Storm Flow															
A310	8	0.0527	0.0200	0.0800	0.0211	0.0351	0.0704	0.0473	0.0200	0.0400	0.0735	0.0800	0.0335	n.a.	100.0
E319	13	0.0492	0.0200	0.2000	0.0477	0.0204	0.0780	0.0400	0.0200	0.0300	0.0400	0.0700	0.0100	n.a.	100.0
A307	12	0.3871	0.1000	2.2900	0.6072	0.0014	0.7729	0.1914	0.1000	0.1293	0.3300	0.3900	0.2007	n.a.	100.0
C317	4	0.1325	0.0900	0.2200	0.0591	0.0385	0.2265	0.1100	0.0900	0.1000	0.1650	0.2200	0.0650	n.a.	100.0
A317	13	0.1500	0.0400	0.3700	0.0842	0.0991	0.2009	0.1400	0.0800	0.1000	0.1600	0.2400	0.0600	n.a.	100.0
A326	5	0.0257	0.0085	0.0600	0.0210	-0.0004	0.0518	0.0200	0.0085	0.0100	0.0300	0.0600	0.0200	n.a.	100.0
B317	7	0.1229	0.0700	0.3000	0.0799	0.0489	0.1968	0.0900	0.0700	0.0800	0.1200	0.3000	0.0400	n.a.	100.0
A315	4	0.2100	0.0500	0.3300	0.1265	0.0087	0.4113	0.2300	0.0500	0.1100	0.3100	0.3300	0.2000	n.a.	100.0
A330	5	0.0500	0.0300	0.0800	0.0187	0.0268	0.0732	0.0500	0.0300	0.0400	0.0500	0.0800	0.0100	n.a.	100.0
A320	4	0.0325	0.0100	0.0600	0.0222	-0.0028	0.0678	0.0300	0.0100	0.0150	0.0500	0.0600	0.0350	n.a.	100.0
Y320	12	0.0381	0.0100	0.0900	0.0260	0.0215	0.0546	0.0300	0.0165	0.0208	0.0400	0.0900	0.0192	n.a.	100.0
F321	3	0.0162	0.0028	0.0400	0.0207	-0.0352	0.0676	0.0057	0.0028	0.0028	0.0400	0.0400	0.0372	n.a.	100.0
0322	16	0.0767	0.0100	0.3600	0.0980	0.0245	0.1289	0.0400	0.0100	0.0207	0.0750	0.2648	0.0543	n.a.	100.0
D322	10	0.1174	0.0200	0.4978	0.1629	0.0009	0.2340	0.0457	0.0200	0.0260	0.0989	0.4139	0.0728	n.a.	100.0
B322	5	0.0800	0.0100	0.2600	0.1095	-0.0560	0.2160	0.0100	0.0100	0.0100	0.1100	0.2600	0.1000	n.a.	100.0
I322B	11	0.0130	0.0090	0.0205	0.0047	0.0099	0.0162	0.0104	0.0092	0.0094	0.0200	0.0200	0.0106	n.a.	100.0
S322	3	0.0272	0.0034	0.0682	0.0356	-0.0613	0.1157	0.0100	0.0034	0.0034	0.0682	0.0682	0.0648	n.a.	100.0
A341	4	0.0175	0.0100	0.0200	0.0050	0.0095	0.0255	0.0200	0.0100	0.0150	0.0200	0.0200	0.0050	n.a.	100.0
All	139	0.1007	0.0028	2.2900	0.2104	0.0654	0.1360	0.0400	0.0100	0.0200	0.1100	0.2440	0.0900	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H21. Summary statistics for dissolved mercury concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0000028	0.0000003	0.0000050	0.0000023	0.0000013	0.0000043	0.0000029	0.0000003	0.0000005	0.0000050	0.0000050	0.0000045	n.a.	50.0
E319	16	0.0000033	0.0000002	0.0000050	0.0000023	0.0000021	0.0000045	0.0000050	0.0000003	0.0000005	0.0000050	0.0000050	0.0000045	n.a.	37.5
A307	13	0.0000031	0.0000004	0.0000050	0.0000021	0.0000019	0.0000044	0.0000050	0.0000005	0.0000012	0.0000050	0.0000050	0.0000038	n.a.	46.2
C317	5	0.0000007	0.0000002	0.0000012	0.0000004	0.0000002	0.0000013	0.0000006	0.0000002	0.0000005	0.0000012	0.0000012	0.0000006	n.a.	100.0
A317	14	0.0000032	0.0000002	0.0000050	0.0000022	0.0000019	0.0000044	0.0000050	0.0000003	0.0000010	0.0000050	0.0000050	0.0000040	n.a.	42.9
A326	7	0.0000018	0.0000007	0.0000039	0.0000012	0.0000007	0.0000029	0.0000016	0.0000007	0.0000008	0.0000027	0.0000039	0.0000020	n.a.	100.0
B317	13	0.0000032	0.0000004	0.0000050	0.0000021	0.0000019	0.0000045	0.0000050	0.0000005	0.0000009	0.0000050	0.0000050	0.0000041	n.a.	46.2
A315	5	0.0000008	0.0000004	0.0000017	0.0000006	0.0000001	0.0000015	0.0000005	0.0000004	0.0000004	0.0000009	0.0000017	0.0000006	n.a.	100.0
A330	7	0.0000009	0.0000004	0.0000018	0.0000005	0.0000004	0.0000014	0.0000006	0.0000004	0.0000005	0.0000015	0.0000018	0.0000010	n.a.	100.0
A320	5	0.0000008	0.0000004	0.0000014	0.0000004	0.0000003	0.0000013	0.0000006	0.0000004	0.0000006	0.0000011	0.0000014	0.0000005	n.a.	100.0
Y320	10	0.0000036	0.0000013	0.0000050	0.0000019	0.0000022	0.0000049	0.0000050	0.0000013	0.0000015	0.0000050	0.0000050	0.0000035	n.a.	40.0
F321	6	0.0000005	0.0000001	0.0000013	0.0000005	0.0000000	0.0000010	0.0000002	0.0000001	0.0000001	0.0000009	0.0000013	0.0000008	n.a.	66.7
0322	13	0.0000036	0.0000007	0.0000050	0.0000019	0.0000024	0.0000047	0.0000050	0.0000007	0.0000016	0.0000050	0.0000050	0.0000034	n.a.	38.5
D322	13	0.0000037	0.0000004	0.0000050	0.0000018	0.0000025	0.0000048	0.0000050	0.0000009	0.0000019	0.0000050	0.0000050	0.0000031	n.a.	38.5
B322	2	0.0000018	0.0000006	0.0000031	0.0000018	-0.0000142	0.0000178	0.0000018	0.0000006	0.0000006	0.0000031	0.0000031	0.0000025	n.a.	100.0
I322B	10	0.0000033	0.0000010	0.0000050	0.0000019	0.0000019	0.0000047	0.0000043	0.0000011	0.0000012	0.0000050	0.0000050	0.0000038	n.a.	50.0
S322	5	0.0000033	0.0000006	0.0000050	0.0000024	0.0000003	0.0000062	0.0000050	0.0000006	0.0000007	0.0000050	0.0000050	0.0000043	n.a.	40.0
A341	8	0.0000029	0.0000004	0.0000050	0.0000023	0.0000010	0.0000048	0.0000034	0.0000004	0.0000005	0.0000050	0.0000050	0.0000045	n.a.	50.0
All	164	0.0000028	0.0000001	0.0000050	0.0000021	0.0000024	0.0000031	0.0000019	0.0000004	0.0000007	0.0000050	0.0000050	0.0000043	n.a.	54.9
Storm Flow															
A310	8	0.0000029	0.0000006	0.0000050	0.0000023	0.0000010	0.0000048	0.0000030	0.0000006	0.0000008	0.0000050	0.0000050	0.0000042	0.0	50.0
E319	13	0.0000037	0.0000004	0.0000050	0.0000020	0.0000026	0.0000049	0.0000050	0.0000009	0.0000013	0.0000050	0.0000050	0.0000037	0.0	30.8
A307	12	0.0000068	0.0000050	0.0000101	0.0000018	0.0000056	0.0000080	0.0000068	0.0000050	0.0000050	0.0000081	0.0000093	0.0000031	0.0	66.7
C317	4	0.0000019	0.0000013	0.0000024	0.0000005	0.0000010	0.0000027	0.0000018	0.0000013	0.0000014	0.0000023	0.0000024	0.0000009	0.0	100.0
A317	13	0.0000043	0.0000015	0.0000050	0.0000014	0.0000034	0.0000051	0.0000050	0.0000020	0.0000050	0.0000050	0.0000050	0.0000000	0.0	23.1
A326	5	0.0000043	0.0000019	0.0000101	0.0000034	0.0000001	0.0000085	0.0000034	0.0000019	0.0000020	0.0000040	0.0000101	0.0000021	0.0	100.0
B317	7	0.0000040	0.0000014	0.0000050	0.0000017	0.0000024	0.0000056	0.0000050	0.0000014	0.0000017	0.0000050	0.0000050	0.0000033	0.0	42.9
A315	4	0.0000013	0.0000013	0.0000014	0.0000000	0.0000013	0.0000014	0.0000014	0.0000013	0.0000013	0.0000014	0.0000014	0.0000000	0.0	100.0
A330	5	0.0000017	0.0000005	0.0000027	0.0000009	0.0000006	0.0000027	0.0000019	0.0000005	0.0000012	0.0000020	0.0000027	0.0000008	0.0	100.0
A320	4	0.0000013	0.0000006	0.0000022	0.0000006	0.0000003	0.0000023	0.0000012	0.0000006	0.0000009	0.0000017	0.0000022	0.0000008	0.0	100.0
Y320	12	0.0000046	0.0000030	0.0000050	0.0000007	0.0000042	0.0000050	0.0000050	0.0000039	0.0000042	0.0000050	0.0000050	0.0000008	0.0	33.3
F321	3	0.0000033	0.0000027	0.0000044	0.0000009	0.0000010	0.0000056	0.0000029	0.0000027	0.0000027	0.0000044	0.0000044	0.0000017	0.0	100.0
0322	16	0.0000047	0.0000008	0.0000057	0.0000012	0.0000041	0.0000053	0.0000050	0.0000029	0.0000050	0.0000050	0.0000056	0.0000000	0.0	43.8
D322	10	0.0000050	0.0000028	0.0000064	0.0000011	0.0000042	0.0000057	0.0000050	0.0000032	0.0000050	0.0000058	0.0000061	0.0000008	0.0	60.0
B322	5	0.0000050	0.0000030	0.0000066	0.0000014	0.0000032	0.0000068	0.0000052	0.0000030	0.0000043	0.0000060	0.0000066	0.0000017	0.0	100.0
I322B	11	0.0000042	0.0000013	0.0000060	0.0000014	0.0000032	0.0000052	0.0000050	0.0000020	0.0000037	0.0000051	0.0000052	0.0000014	0.0	72.7
S322	3	0.0000025	0.0000007	0.0000050	0.0000022	-0.0000031	0.0000080	0.0000017	0.0000007	0.0000007	0.0000050	0.0000050	0.0000043	0.0	66.7
A341	4	0.0000022	0.0000015	0.0000030	0.0000008	0.0000009	0.0000035	0.0000021	0.0000015	0.0000015	0.0000029	0.0000030	0.0000014	0.0	100.0
All	139	0.0000040	0.0000004	0.0000101	0.0000020	0.0000037	0.0000044	0.0000050	0.0000013	0.0000022	0.0000050	0.0000057	0.0000028	0.0	59.7

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H22. Summary statistics for total mercury concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0000041	0.0000007	0.0000127	0.0000033	0.0000020	0.0000062	0.0000050	0.0000007	0.0000015	0.0000050	0.0000050	0.0000035	8.3	50.0
E319	16	0.0000035	0.0000005	0.0000050	0.0000021	0.0000024	0.0000046	0.0000050	0.0000005	0.0000010	0.0000050	0.0000050	0.0000040	0.0	37.5
A307	13	0.0000046	0.0000008	0.0000114	0.0000028	0.0000029	0.0000063	0.0000050	0.0000013	0.0000025	0.0000058	0.0000065	0.0000033	0.0	69.2
C317	5	0.0000019	0.0000007	0.0000029	0.0000011	0.0000006	0.0000032	0.0000025	0.0000007	0.0000008	0.0000027	0.0000029	0.0000018	0.0	100.0
A317	14	0.0000035	0.0000006	0.0000050	0.0000019	0.0000024	0.0000046	0.0000050	0.0000007	0.0000018	0.0000050	0.0000050	0.0000032	0.0	42.9
A326	7	0.0000023	0.0000009	0.0000040	0.0000013	0.0000011	0.0000034	0.0000021	0.0000009	0.0000010	0.0000037	0.0000040	0.0000027	0.0	100.0
B317	13	0.0000048	0.0000009	0.0000130	0.0000035	0.0000027	0.0000069	0.0000050	0.0000012	0.0000014	0.0000050	0.0000082	0.0000036	7.7	61.5
A315	5	0.0000023	0.0000007	0.0000061	0.0000023	-0.0000006	0.0000052	0.0000009	0.0000007	0.0000007	0.0000031	0.0000061	0.0000024	0.0	100.0
A330	7	0.0000015	0.0000010	0.0000019	0.0000003	0.0000011	0.0000018	0.0000014	0.0000010	0.0000012	0.0000018	0.0000019	0.0000007	0.0	100.0
A320	5	0.0000014	0.0000007	0.0000023	0.0000006	0.0000007	0.0000022	0.0000012	0.0000007	0.0000012	0.0000017	0.0000023	0.0000005	0.0	100.0
Y320	10	0.0000045	0.0000017	0.0000085	0.0000020	0.0000030	0.0000059	0.0000050	0.0000021	0.0000024	0.0000050	0.0000074	0.0000026	0.0	60.0
F321	6	0.0000007	0.0000002	0.0000017	0.0000007	0.0000000	0.0000014	0.0000003	0.0000002	0.0000002	0.0000014	0.0000017	0.0000012	0.0	100.0
0322	13	0.0000040	0.0000009	0.0000082	0.0000021	0.0000028	0.0000053	0.0000050	0.0000013	0.0000022	0.0000050	0.0000052	0.0000028	0.0	53.8
D322	13	0.0000045	0.0000006	0.0000106	0.0000024	0.0000030	0.0000060	0.0000050	0.0000016	0.0000033	0.0000051	0.0000059	0.0000018	0.0	69.2
B322	2	0.0000020	0.0000013	0.0000026	0.0000009	-0.0000060	0.0000099	0.0000020	0.0000013	0.0000013	0.0000026	0.0000026	0.0000012	0.0	100.0
I322B	10	0.0000043	0.0000014	0.0000120	0.0000031	0.0000020	0.0000065	0.0000046	0.0000014	0.0000018	0.0000050	0.0000085	0.0000032	0.0	60.0
S322	5	0.0000033	0.0000008	0.0000050	0.0000023	0.0000005	0.0000062	0.0000050	0.0000008	0.0000009	0.0000050	0.0000050	0.0000041	0.0	40.0
A341	8	0.0000032	0.0000011	0.0000050	0.0000019	0.0000017	0.0000048	0.0000035	0.0000011	0.0000014	0.0000050	0.0000050	0.0000036	0.0	50.0
All	164	0.0000035	0.0000002	0.0000130	0.0000025	0.0000031	0.0000039	0.0000032	0.0000008	0.0000014	0.0000050	0.0000051	0.0000036	1.2	64.6
Storm Flow															
A310	8	0.0000037	0.0000012	0.0000055	0.0000017	0.0000023	0.0000051	0.0000042	0.0000012	0.0000022	0.0000050	0.0000055	0.0000028	n.a.	62.5
E319	13	0.0000069	0.0000006	0.0000371	0.0000092	0.0000014	0.0000125	0.0000050	0.0000032	0.0000038	0.0000050	0.0000065	0.0000012	n.a.	46.2
A307	12	0.0000548	0.0000124	0.0002440	0.0000641	0.0000141	0.0000956	0.0000362	0.0000140	0.0000179	0.0000613	0.0000858	0.0000434	n.a.	100.0
C317	4	0.0000047	0.0000029	0.0000075	0.0000020	0.0000015	0.0000078	0.0000041	0.0000029	0.0000032	0.0000061	0.0000074	0.0000028	n.a.	100.0
A317	13	0.0000076	0.0000034	0.0000120	0.0000026	0.0000060	0.0000092	0.0000084	0.0000041	0.0000050	0.0000093	0.0000100	0.0000043	n.a.	84.6
A326	5	0.0000048	0.0000024	0.0000075	0.0000023	0.0000020	0.0000076	0.0000039	0.0000024	0.0000032	0.0000068	0.0000075	0.0000036	n.a.	100.0
B317	7	0.0000127	0.0000035	0.0000258	0.0000077	0.0000055	0.0000198	0.0000130	0.0000035	0.0000050	0.0000179	0.0000258	0.0000129	n.a.	85.7
A315	4	0.0000050	0.0000029	0.0000079	0.0000021	0.0000017	0.0000083	0.0000045	0.0000029	0.0000036	0.0000063	0.0000079	0.0000026	n.a.	100.0
A330	5	0.0000046	0.0000009	0.0000081	0.0000029	0.0000010	0.0000082	0.0000039	0.0000009	0.0000032	0.0000071	0.0000081	0.0000038	n.a.	100.0
A320	4	0.0000030	0.0000010	0.0000056	0.0000019	-0.0000001	0.0000061	0.0000027	0.0000010	0.0000017	0.0000044	0.0000056	0.0000027	n.a.	100.0
Y320	12	0.0000061	0.0000046	0.0000074	0.0000010	0.0000055	0.0000067	0.0000062	0.0000050	0.0000052	0.0000069	0.0000070	0.0000017	n.a.	91.7
F321	3	0.0000053	0.0000032	0.0000085	0.0000028	-0.0000018	0.0000123	0.0000041	0.0000032	0.0000032	0.0000085	0.0000085	0.0000053	n.a.	100.0
0322	16	0.0000081	0.0000013	0.0000206	0.0000049	0.0000055	0.0000108	0.0000073	0.0000046	0.0000050	0.0000098	0.0000173	0.0000048	n.a.	81.3
D322	10	0.0000085	0.0000052	0.0000157	0.0000035	0.0000061	0.0000110	0.0000077	0.0000053	0.0000054	0.0000094	0.0000144	0.0000040	n.a.	100.0
B322	5	0.0000097	0.0000069	0.0000130	0.0000023	0.0000068	0.0000126	0.0000102	0.0000069	0.0000081	0.0000102	0.0000130	0.0000021	n.a.	100.0
I322B	11	0.0000118	0.0000016	0.0000758	0.0000213	-0.0000025	0.0000261	0.0000055	0.0000045	0.0000049	0.0000068	0.0000078	0.0000019	n.a.	100.0
S322	3	0.0000044	0.0000014	0.0000093	0.0000043	-0.0000064	0.0000152	0.0000024	0.0000014	0.0000014	0.0000093	0.0000093	0.0000080	n.a.	100.0
A341	4	0.0000082	0.0000062	0.0000106	0.0000020	0.0000049	0.0000114	0.0000079	0.0000062	0.0000065	0.0000098	0.0000106	0.0000033	n.a.	100.0
All	139	0.0000114	0.0000006	0.0002440	0.0000237	0.0000075	0.0000154	0.0000064	0.0000031	0.0000048	0.0000092	0.0000174	0.0000044	n.a.	87.8

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H23. Summary statistics for dissolved nickel concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.00033	0.00014	0.00055	0.00010	0.00027	0.00040	0.00031	0.00024	0.00029	0.00039	0.00044	0.00011	0.0	83.3
E319	16	0.00023	0.00008	0.00030	0.00010	0.00018	0.00028	0.00030	0.00009	0.00011	0.00030	0.00030	0.00019	0.0	37.5
A307	13	0.00080	0.00055	0.00110	0.00021	0.00067	0.00092	0.00074	0.00056	0.00061	0.00100	0.00108	0.00039	0.0	100.0
C317	5	0.00115	0.00091	0.00145	0.00020	0.00089	0.00140	0.00115	0.00091	0.00102	0.00120	0.00145	0.00018	0.0	100.0
A317	14	0.00124	0.00078	0.00166	0.00029	0.00107	0.00141	0.00129	0.00080	0.00100	0.00143	0.00161	0.00043	0.0	100.0
A326	7	0.00113	0.00086	0.00150	0.00025	0.00090	0.00137	0.00107	0.00085	0.00090	0.00146	0.00150	0.00056	0.0	100.0
B317	13	0.00091	0.00058	0.00130	0.00020	0.00079	0.00102	0.00093	0.00065	0.00083	0.00100	0.00110	0.00017	0.0	100.0
A315	5	0.00096	0.00066	0.00127	0.00027	0.00062	0.00130	0.00088	0.00065	0.00078	0.00122	0.00127	0.00044	0.0	100.0
A330	7	0.00080	0.00064	0.00101	0.00015	0.00067	0.00094	0.00078	0.00064	0.00065	0.00096	0.00101	0.00032	0.0	100.0
A320	5	0.00042	0.00039	0.00044	0.00002	0.00039	0.00044	0.00042	0.00039	0.00041	0.00043	0.00044	0.00001	0.0	100.0
Y320	10	0.00104	0.00073	0.00189	0.00035	0.00079	0.00129	0.00090	0.00075	0.00088	0.00107	0.00164	0.00019	0.0	100.0
F321	6	0.00022	0.00017	0.00026	0.00003	0.00019	0.00026	0.00022	0.00017	0.00021	0.00025	0.00026	0.00004	0.0	100.0
0322	13	0.00046	0.00031	0.00067	0.00011	0.00039	0.00053	0.00046	0.00032	0.00036	0.00052	0.00061	0.00016	0.0	100.0
D322	13	0.00086	0.00056	0.00125	0.00023	0.00073	0.00100	0.00079	0.00063	0.00068	0.00105	0.00123	0.00038	0.0	100.0
B322	2	0.00041	0.00040	0.00042	0.00002	0.00027	0.00055	0.00041	0.00040	0.00040	0.00042	0.00042	0.00002	0.0	100.0
I322B	10	0.00070	0.00044	0.00173	0.00038	0.00042	0.00097	0.00061	0.00045	0.00047	0.00071	0.00123	0.00024	0.0	100.0
S322	5	0.00029	0.00023	0.00035	0.00005	0.00023	0.00034	0.00030	0.00023	0.00025	0.00030	0.00035	0.00005	0.0	60.0
A341	8	0.00027	0.00020	0.00037	0.00006	0.00022	0.00032	0.00027	0.00020	0.00022	0.00031	0.00037	0.00008	0.0	75.0
All	164	0.00069	0.00008	0.00189	0.00040	0.00063	0.00075	0.00065	0.00025	0.00033	0.00097	0.00124	0.00064	0.0	90.2
Storm Flow															
A310	8	0.00036	0.00022	0.00052	0.00011	0.00027	0.00045	0.00035	0.00022	0.00027	0.00046	0.00052	0.00018	0.0	100.0
E319	13	0.00024	0.00007	0.00030	0.00010	0.00018	0.00030	0.00030	0.00008	0.00015	0.00030	0.00030	0.00015	0.0	30.8
A307	12	0.00162	0.00091	0.00205	0.00035	0.00140	0.00184	0.00166	0.00108	0.00149	0.00183	0.00205	0.00034	0.0	100.0
C317	4	0.00082	0.00070	0.00099	0.00012	0.00062	0.00101	0.00079	0.00070	0.00073	0.00091	0.00099	0.00018	0.0	100.0
A317	13	0.00094	0.00071	0.00120	0.00015	0.00085	0.00103	0.00098	0.00077	0.00080	0.00105	0.00110	0.00025	0.0	100.0
A326	5	0.00108	0.00081	0.00143	0.00023	0.00080	0.00136	0.00103	0.00081	0.00099	0.00113	0.00143	0.00014	0.0	100.0
B317	7	0.00082	0.00059	0.00130	0.00024	0.00059	0.00104	0.00072	0.00059	0.00067	0.00091	0.00130	0.00024	0.0	100.0
A315	4	0.00082	0.00070	0.00095	0.00012	0.00063	0.00101	0.00081	0.00070	0.00072	0.00092	0.00095	0.00020	0.0	100.0
A330	5	0.00091	0.00072	0.00107	0.00013	0.00075	0.00107	0.00090	0.00072	0.00090	0.00095	0.00107	0.00006	0.0	100.0
A320	4	0.00048	0.00044	0.00057	0.00006	0.00039	0.00058	0.00046	0.00044	0.00044	0.00052	0.00057	0.00008	0.0	100.0
Y320	12	0.00068	0.00054	0.00130	0.00020	0.00055	0.00081	0.00063	0.00056	0.00058	0.00067	0.00070	0.00010	0.0	100.0
F321	3	0.00034	0.00029	0.00045	0.00009	0.00013	0.00056	0.00029	0.00029	0.00029	0.00045	0.00045	0.00015	0.0	100.0
0322	16	0.00070	0.00042	0.00108	0.00021	0.00059	0.00081	0.00076	0.00042	0.00049	0.00085	0.00099	0.00035	0.0	100.0
D322	10	0.00095	0.00071	0.00116	0.00015	0.00084	0.00106	0.00099	0.00073	0.00082	0.00103	0.00115	0.00021	0.0	100.0
B322	5	0.00109	0.00073	0.00170	0.00037	0.00063	0.00155	0.00104	0.00073	0.00089	0.00110	0.00170	0.00021	0.0	100.0
I322B	11	0.00047	0.00031	0.00058	0.00009	0.00041	0.00053	0.00050	0.00031	0.00041	0.00054	0.00054	0.00012	0.0	90.9
S322	3	0.00028	0.00023	0.00035	0.00007	0.00012	0.00044	0.00026	0.00023	0.00023	0.00035	0.00035	0.00012	0.0	100.0
A341	4	0.00021	0.00019	0.00025	0.00003	0.00017	0.00026	0.00021	0.00019	0.00019	0.00023	0.00025	0.00004	0.0	100.0
All	139	0.00075	0.00007	0.00205	0.00042	0.00068	0.00082	0.00071	0.00029	0.00045	0.00098	0.00122	0.00053	0.0	92.8

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H24. Summary statistics for total nickel concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.00050	0.00031	0.00093	0.00015	0.00040	0.00060	0.00049	0.00036	0.00041	0.00053	0.00056	0.00012	n.a.	100.0
E319	16	0.00024	0.00011	0.00030	0.00008	0.00020	0.00028	0.00030	0.00014	0.00016	0.00030	0.00030	0.00015	n.a.	37.5
A307	13	0.00106	0.00063	0.00176	0.00033	0.00085	0.00126	0.00095	0.00071	0.00082	0.00130	0.00151	0.00049	n.a.	100.0
C317	5	0.00156	0.00099	0.00245	0.00055	0.00087	0.00224	0.00143	0.00099	0.00128	0.00164	0.00245	0.00036	n.a.	100.0
A317	14	0.00133	0.00081	0.00181	0.00033	0.00114	0.00152	0.00131	0.00088	0.00100	0.00163	0.00169	0.00063	n.a.	100.0
A326	7	0.00124	0.00096	0.00173	0.00028	0.00098	0.00149	0.00116	0.00096	0.00104	0.00150	0.00173	0.00046	n.a.	100.0
B317	13	0.00116	0.00070	0.00206	0.00043	0.00090	0.00142	0.00103	0.00078	0.00087	0.00130	0.00184	0.00043	n.a.	100.0
A315	5	0.00110	0.00073	0.00171	0.00042	0.00058	0.00162	0.00089	0.00073	0.00081	0.00135	0.00171	0.00054	n.a.	100.0
A330	7	0.00128	0.00103	0.00162	0.00023	0.00107	0.00149	0.00130	0.00103	0.00106	0.00148	0.00162	0.00042	n.a.	100.0
A320	5	0.00055	0.00048	0.00061	0.00006	0.00047	0.00062	0.00051	0.00048	0.00051	0.00061	0.00061	0.00011	n.a.	100.0
Y320	10	0.00122	0.00090	0.00181	0.00028	0.00102	0.00142	0.00114	0.00090	0.00109	0.00130	0.00167	0.00021	n.a.	100.0
F321	6	0.00026	0.00023	0.00029	0.00002	0.00024	0.00028	0.00026	0.00023	0.00025	0.00027	0.00029	0.00002	n.a.	100.0
0322	13	0.00050	0.00033	0.00076	0.00012	0.00043	0.00057	0.00046	0.00039	0.00042	0.00057	0.00065	0.00015	n.a.	100.0
D322	13	0.00105	0.00065	0.00203	0.00040	0.00081	0.00130	0.00091	0.00066	0.00075	0.00125	0.00148	0.00049	n.a.	100.0
B322	2	0.00048	0.00047	0.00048	0.00000	0.00043	0.00052	0.00048	0.00047	0.00047	0.00048	0.00048	0.00001	n.a.	100.0
I322B	10	0.00082	0.00044	0.00288	0.00073	0.00029	0.00134	0.00062	0.00045	0.00051	0.00071	0.00180	0.00020	n.a.	100.0
S322	5	0.00028	0.00024	0.00032	0.00004	0.00023	0.00033	0.00030	0.00024	0.00024	0.00030	0.00032	0.00006	n.a.	60.0
A341	8	0.00033	0.00028	0.00042	0.00005	0.00029	0.00037	0.00031	0.00028	0.00030	0.00036	0.00042	0.00006	n.a.	100.0
All	164	0.00084	0.00011	0.00288	0.00052	0.00076	0.00092	0.00076	0.00030	0.00042	0.00116	0.00159	0.00074	n.a.	92.7
Storm Flow															
A310	8	0.00067	0.00048	0.00123	0.00025	0.00046	0.00088	0.00055	0.00048	0.00052	0.00075	0.00123	0.00022	n.a.	100.0
E319	13	0.00048	0.00014	0.00174	0.00041	0.00024	0.00073	0.00036	0.00030	0.00030	0.00044	0.00077	0.00014	n.a.	61.5
A307	12	0.00751	0.00176	0.05000	0.01348	-0.00106	0.01608	0.00319	0.00228	0.00254	0.00526	0.00741	0.00272	n.a.	100.0
C317	4	0.00132	0.00109	0.00162	0.00022	0.00096	0.00167	0.00128	0.00109	0.00117	0.00146	0.00162	0.00029	n.a.	100.0
A317	13	0.00185	0.00104	0.00292	0.00052	0.00153	0.00217	0.00194	0.00120	0.00140	0.00210	0.00230	0.00070	n.a.	100.0
A326	5	0.00167	0.00137	0.00229	0.00036	0.00123	0.00211	0.00156	0.00137	0.00152	0.00161	0.00229	0.00009	n.a.	100.0
B317	7	0.00223	0.00098	0.00375	0.00096	0.00134	0.00312	0.00233	0.00098	0.00110	0.00279	0.00375	0.00169	n.a.	100.0
A315	4	0.00136	0.00080	0.00184	0.00043	0.00067	0.00205	0.00140	0.00080	0.00105	0.00166	0.00184	0.00061	n.a.	100.0
A330	5	0.00292	0.00116	0.00508	0.00156	0.00098	0.00486	0.00229	0.00116	0.00214	0.00393	0.00508	0.00179	n.a.	100.0
A320	4	0.00104	0.00056	0.00163	0.00045	0.00032	0.00175	0.00098	0.00055	0.00072	0.00135	0.00163	0.00063	n.a.	100.0
Y320	12	0.00115	0.00084	0.00170	0.00024	0.00099	0.00130	0.00109	0.00088	0.00097	0.00126	0.00140	0.00029	n.a.	100.0
F321	3	0.00076	0.00035	0.00153	0.00067	-0.00089	0.00242	0.00041	0.00035	0.00035	0.00153	0.00153	0.00118	n.a.	100.0
0322	16	0.00134	0.00045	0.00408	0.00100	0.00080	0.00187	0.00107	0.00047	0.00078	0.00130	0.00341	0.00052	n.a.	100.0
D322	10	0.00129	0.00091	0.00217	0.00038	0.00101	0.00156	0.00120	0.00094	0.00098	0.00150	0.00188	0.00052	n.a.	100.0
B322	5	0.00139	0.00094	0.00208	0.00048	0.00079	0.00199	0.00116	0.00094	0.00108	0.00171	0.00208	0.00063	n.a.	100.0
I322B	11	0.00076	0.00052	0.00100	0.00018	0.00063	0.00088	0.00078	0.00053	0.00059	0.00097	0.00099	0.00038	n.a.	100.0
S322	3	0.00037	0.00026	0.00057	0.00018	-0.00007	0.00081	0.00027	0.00025	0.00025	0.00057	0.00057	0.00032	n.a.	100.0
A341	4	0.00079	0.00060	0.00091	0.00013	0.00058	0.00100	0.00083	0.00060	0.00070	0.00088	0.00091	0.00019	n.a.	100.0
All	139	0.00179	0.00014	0.05000	0.00427	0.00108	0.00251	0.00116	0.00045	0.00079	0.00176	0.00276	0.00098	n.a.	96.4

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H25. Summary statistics for dissolved potassium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
E319	16	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A307	13	3	3	3	0	3	3	3	3	3	3	3	0	n.a.	100.0
C317	5	4	3	4	0	3	4	4	3	3	4	4	1	n.a.	100.0
A317	14	4	3	5	1	4	4	4	3	4	4	4	0	n.a.	100.0
A326	7	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	42.9
B317	13	2	2	3	0	2	2	2	2	2	2	2	0	n.a.	69.2
A315	5	3	2	4	1	2	4	3	2	3	3	4	1	n.a.	100.0
A330	7	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A320	5	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
Y320	10	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	40.0
F321	6	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
0322	13	2	2	3	0	2	2	2	2	2	2	3	0	n.a.	38.5
D322	13	4	3	9	2	4	5	4	3	3	5	6	2	n.a.	100.0
B322	2	5	2	7	4	-30	39	5	2	2	7	7	5	n.a.	50.0
I322B	10	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	10.0
S322	5	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A341	8	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
All	164	3	2	9	1	2	3	2	2	2	3	4	1	n.a.	44.5
Storm Flow															
A310	8	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
E319	13	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A307	12	3	2	4	1	3	3	3	2	3	4	4	1	n.a.	100.0
C317	4	2	2	3	0	2	3	2	2	2	2	3	0	n.a.	25.0
A317	13	2	2	3	0	2	2	2	2	2	2	3	0	n.a.	38.5
A326	5	2	2	3	0	2	3	2	2	2	2	3	0	n.a.	20.0
B317	7	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A315	4	3	2	4	1	2	4	3	2	2	4	4	1	n.a.	100.0
A330	5	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A320	4	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
Y320	12	2	2	3	0	2	3	2	2	2	3	3	1	n.a.	66.7
F321	3	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
0322	16	4	2	7	2	3	5	4	2	2	6	6	4	n.a.	87.5
D322	10	9	6	12	2	7	10	8	7	7	11	12	4	n.a.	100.0
B322	5	25	16	38	9	14	37	27	16	17	27	38	10	n.a.	100.0
I322B	11	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	54.5
S322	3	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A341	4	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
All	139	4	2	38	5	3	5	2	2	2	3	7	1	n.a.	47.5

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H26. Summary statistics for total potassium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
E319	16	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A307	13	3	3	4	0	3	3	3	3	3	4	4	1	n.a.	100.0
C317	5	4	4	4	0	4	4	2	2	2	3	3	1	n.a.	100.0
A317	14	4	3	5	1	4	4	2	2	2	3	3	1	n.a.	100.0
A326	7	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	71.4
B317	13	2	2	3	0	2	2	2	2	2	2	2	0	n.a.	92.3
A315	5	3	2	3	0	2	3	3	3	3	4	4	1	n.a.	100.0
A330	7	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	14.3
A320	5	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
Y320	10	2	2	3	0	2	2	3	2	2	3	3	1	n.a.	60.0
F321	6	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
0322	13	2	2	3	0	2	2	4	2	3	6	7	4	n.a.	53.8
D322	13	5	3	9	2	4	6	9	7	7	11	13	4	n.a.	100.0
B322	2	5	2	8	4	-32	42	26	18	18	29	38	12	n.a.	100.0
I322B	10	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	20.0
S322	5	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A341	8	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
All	164	3	2	9	1	3	3	2	2	2	3	4	1	n.a.	51.8
Storm Flow															
A310	8	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
E319	13	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A307	12	3	3	5	1	3	4	3	2	3	4	4	1	n.a.	100.0
C317	4	2	2	3	1	1	3	2	2	2	2	3	0	n.a.	25.0
A317	13	2	2	3	0	2	3	2	2	2	2	3	0	n.a.	46.2
A326	5	2	2	2	0	2	2	2	2	2	2	3	0	n.a.	40.0
B317	7	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	42.9
A315	4	3	3	4	1	2	4	3	2	2	4	4	1	n.a.	100.0
A330	5	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A320	4	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	25.0
Y320	12	3	2	4	0	2	3	2	2	2	3	3	1	n.a.	75.0
F321	3	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
0322	16	5	2	8	2	3	6	4	2	2	6	6	4	n.a.	93.8
D322	10	9	7	13	2	8	11	8	7	7	11	12	4	n.a.	100.0
B322	5	26	18	38	9	15	36	27	16	17	27	38	10	n.a.	100.0
I322B	11	2	2	3	0	2	2	2	2	2	2	2	0	n.a.	45.5
S322	3	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
A341	4	2	2	2	0	2	2	2	2	2	2	2	0	n.a.	0.0
All	139	4	2	38	5	3	5	2	2	2	3	7	1	n.a.	52.5

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H27. Summary statistics for dissolved selenium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0010	0.0005	0.0015	0.0005	0.0007	0.0013	0.0010	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
E319	16	0.0011	0.0005	0.0015	0.0005	0.0009	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
A307	13	0.0010	0.0005	0.0015	0.0005	0.0007	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
C317	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	20.0
A317	14	0.0011	0.0005	0.0015	0.0005	0.0008	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
A326	7	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
B317	13	0.0010	0.0005	0.0015	0.0005	0.0007	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
A315	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
A330	7	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
A320	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
Y320	10	0.0011	0.0005	0.0015	0.0005	0.0007	0.0015	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
F321	6	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
0322	13	0.0011	0.0005	0.0015	0.0005	0.0008	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
D322	13	0.0011	0.0005	0.0015	0.0005	0.0008	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
B322	2	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
I322B	10	0.0010	0.0005	0.0015	0.0005	0.0006	0.0014	0.0010	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
S322	5	0.0011	0.0005	0.0015	0.0005	0.0004	0.0018	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
A341	8	0.0010	0.0005	0.0015	0.0005	0.0006	0.0014	0.0010	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
All	164	0.0009	0.0005	0.0015	0.0005	0.0009	0.0010	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.6
Storm Flow															
A310	8	0.0010	0.0005	0.0015	0.0005	0.0006	0.0014	0.0010	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
E319	13	0.0012	0.0005	0.0015	0.0005	0.0009	0.0015	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
A307	12	0.0012	0.0005	0.0015	0.0005	0.0009	0.0015	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
C317	4	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
A317	13	0.0013	0.0005	0.0015	0.0004	0.0010	0.0015	0.0015	0.0005	0.0015	0.0015	0.0015	0.0000	n.a.	0.0
A326	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
B317	7	0.0012	0.0005	0.0015	0.0005	0.0008	0.0017	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
A315	4	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
A330	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
A320	4	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
Y320	12	0.0012	0.0005	0.0015	0.0005	0.0009	0.0015	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
F321	3	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
0322	16	0.0012	0.0005	0.0015	0.0005	0.0009	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
D322	10	0.0011	0.0005	0.0015	0.0005	0.0007	0.0015	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
B322	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
I322B	11	0.0010	0.0005	0.0015	0.0005	0.0006	0.0013	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
S322	3	0.0008	0.0005	0.0015	0.0006	-0.0006	0.0023	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0
A341	4	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	n.a.	0.0
All	139	0.0010	0.0005	0.0015	0.0005	0.0009	0.0011	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	n.a.	0.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H28. Summary statistics for total selenium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.0010	0.0005	0.0015	0.0005	0.0007	0.0013	0.0010	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
E319	16	0.0011	0.0005	0.0015	0.0005	0.0009	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
A307	13	0.0010	0.0005	0.0015	0.0005	0.0007	0.0014	0.0015	0.0005	0.0010	0.0015	0.0015	0.0005	0.0	0.0
C317	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
A317	14	0.0011	0.0005	0.0015	0.0005	0.0008	0.0014	0.0015	0.0005	0.0015	0.0015	0.0015	0.0000	0.0	0.0
A326	7	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
B317	13	0.0010	0.0005	0.0015	0.0005	0.0007	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
A315	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
A330	7	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
A320	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
Y320	10	0.0011	0.0005	0.0015	0.0005	0.0007	0.0015	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
F321	6	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
0322	13	0.0011	0.0005	0.0015	0.0005	0.0008	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
D322	13	0.0011	0.0005	0.0015	0.0005	0.0008	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
B322	2	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
I322B	10	0.0010	0.0005	0.0015	0.0005	0.0006	0.0014	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
S322	5	0.0011	0.0005	0.0015	0.0005	0.0004	0.0018	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
A341	8	0.0010	0.0005	0.0015	0.0005	0.0006	0.0014	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
All	164	0.0009	0.0005	0.0015	0.0005	0.0009	0.0010	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
Storm Flow															
A310	8	0.0010	0.0005	0.0015	0.0005	0.0006	0.0014	0.0010	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
E319	13	0.0012	0.0005	0.0015	0.0005	0.0009	0.0015	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
A307	12	0.0015	0.0005	0.0050	0.0012	0.0008	0.0023	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
C317	4	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
A317	13	0.0013	0.0005	0.0015	0.0004	0.0010	0.0015	0.0015	0.0005	0.0015	0.0015	0.0015	0.0000	0.0	0.0
A326	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
B317	7	0.0012	0.0005	0.0015	0.0005	0.0008	0.0017	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
A315	4	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
A330	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
A320	4	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
Y320	12	0.0012	0.0005	0.0015	0.0005	0.0009	0.0015	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
F321	3	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
0322	16	0.0012	0.0005	0.0015	0.0005	0.0009	0.0014	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
D322	10	0.0011	0.0005	0.0015	0.0005	0.0007	0.0015	0.0015	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
B322	5	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
I322B	11	0.0010	0.0005	0.0015	0.0005	0.0006	0.0013	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
S322	3	0.0008	0.0005	0.0015	0.0006	-0.0006	0.0023	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0
A341	4	0.0005	0.0005	0.0005	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0	0.0
All	139	0.0010	0.0005	0.0050	0.0006	0.0009	0.0011	0.0005	0.0005	0.0005	0.0015	0.0015	0.0010	0.0	0.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H29. Summary statistics for dissolved silver concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.000113	0.000025	0.000200	0.000091	0.000054	0.000171	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
E319	16	0.000134	0.000025	0.000200	0.000087	0.000088	0.000181	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A307	13	0.000119	0.000025	0.000200	0.000091	0.000064	0.000174	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
C317	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
A317	14	0.000125	0.000025	0.000200	0.000090	0.000073	0.000177	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A326	7	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
B317	13	0.000119	0.000025	0.000200	0.000091	0.000064	0.000174	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A315	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
A330	7	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
A320	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
Y320	10	0.000130	0.000025	0.000200	0.000090	0.000065	0.000195	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
F321	6	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
0322	13	0.000133	0.000025	0.000200	0.000089	0.000079	0.000186	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
D322	13	0.000133	0.000025	0.000200	0.000089	0.000079	0.000186	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
B322	2	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
I322B	10	0.000113	0.000025	0.000200	0.000092	0.000047	0.000178	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
S322	5	0.000130	0.000025	0.000200	0.000096	0.000011	0.000249	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A341	8	0.000113	0.000025	0.000200	0.000094	0.000034	0.000191	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
All	164	0.000102	0.000025	0.000200	0.000087	0.000088	0.000115	0.000025	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
Storm Flow															
A310	8	0.000113	0.000025	0.000200	0.000094	0.000034	0.000191	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
E319	13	0.000146	0.000025	0.000200	0.000084	0.000095	0.000197	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A307	12	0.000142	0.000025	0.000200	0.000086	0.000087	0.000196	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
C317	4	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
A317	13	0.000160	0.000025	0.000200	0.000077	0.000113	0.000206	0.000200	0.000025	0.000200	0.000200	0.000200	0.000000	0.0	0.0
A326	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
B317	7	0.000150	0.000025	0.000200	0.000085	0.000071	0.000229	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A315	4	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
A330	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
A320	4	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
Y320	12	0.000142	0.000025	0.000200	0.000086	0.000087	0.000196	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
F321	3	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
0322	16	0.000145	0.000025	0.000200	0.000084	0.000101	0.000190	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
D322	10	0.000130	0.000025	0.000200	0.000090	0.000065	0.000195	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
B322	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
I322B	11	0.000105	0.000025	0.000200	0.000091	0.000043	0.000166	0.000025	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
S322	3	0.000083	0.000025	0.000200	0.000101	-0.000168	0.000334	0.000025	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0
A341	4	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	0.0	0.0
All	139	0.000109	0.000025	0.000200	0.000088	0.000095	0.000124	0.000025	0.000025	0.000025	0.000200	0.000200	0.000175	0.0	0.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H30. Summary statistics for total silver concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.000113	0.000025	0.000200	0.000091	0.000054	0.000171	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
E319	16	0.000134	0.000025	0.000200	0.000087	0.000088	0.000181	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
A307	13	0.000119	0.000025	0.000200	0.000091	0.000064	0.000174	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
C317	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
A317	14	0.000125	0.000025	0.000200	0.000090	0.000073	0.000177	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
A326	7	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
B317	13	0.000119	0.000025	0.000200	0.000091	0.000064	0.000174	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
A315	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
A330	7	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
A320	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
Y320	10	0.000130	0.000025	0.000200	0.000090	0.000065	0.000195	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
F321	6	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
0322	13	0.000133	0.000025	0.000200	0.000089	0.000079	0.000186	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
D322	13	0.000133	0.000025	0.000200	0.000089	0.000079	0.000186	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
B322	2	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
I322B	10	0.000113	0.000025	0.000200	0.000092	0.000047	0.000178	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
S322	5	0.000130	0.000025	0.000200	0.000096	0.000011	0.000249	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
A341	8	0.000113	0.000025	0.000200	0.000094	0.000034	0.000191	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
All	164	0.000102	0.000025	0.000200	0.000087	0.000088	0.000115	0.000025	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
Storm Flow															
A310	8	0.000113	0.000025	0.000200	0.000094	0.000034	0.000191	0.000112	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
E319	13	0.000146	0.000025	0.000200	0.000084	0.000095	0.000197	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
A307	12	0.000153	0.000025	0.000200	0.000078	0.000103	0.000202	0.000200	0.000025	0.000090	0.000200	0.000200	0.000110	n.a.	8.3
C317	4	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
A317	13	0.000160	0.000025	0.000200	0.000077	0.000113	0.000206	0.000200	0.000025	0.000200	0.000200	0.000200	0.000000	n.a.	0.0
A326	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
B317	7	0.000153	0.000025	0.000200	0.000080	0.000079	0.000227	0.000200	0.000025	0.000048	0.000200	0.000200	0.000152	n.a.	14.3
A315	4	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
A330	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
A320	4	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
Y320	12	0.000142	0.000025	0.000200	0.000086	0.000087	0.000196	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
F321	3	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
0322	16	0.000146	0.000025	0.000200	0.000083	0.000102	0.000190	0.000200	0.000025	0.000029	0.000200	0.000200	0.000171	n.a.	6.3
D322	10	0.000130	0.000025	0.000200	0.000090	0.000065	0.000195	0.000200	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
B322	5	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
I322B	11	0.000105	0.000025	0.000200	0.000091	0.000044	0.000166	0.000028	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	9.1
S322	3	0.000083	0.000025	0.000200	0.000101	-0.000168	0.000334	0.000025	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	0.0
A341	4	0.000025	0.000025	0.000025	0.000000	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000000	n.a.	0.0
All	139	0.000111	0.000025	0.000200	0.000087	0.000096	0.000125	0.000033	0.000025	0.000025	0.000200	0.000200	0.000175	n.a.	2.9

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H31. Summary statistics for dissolved sodium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	8.1	3.8	16.3	4.5	5.2	10.9	6.5	3.9	4.4	11.7	15.0	7.3	n.a.	100.0
E319	16	2.8	2.2	3.5	0.4	2.6	3.1	2.8	2.2	2.5	3.3	3.4	0.7	n.a.	100.0
A307	13	8.4	8.0	9.2	0.4	8.2	8.6	8.4	8.1	8.1	8.6	8.8	0.4	n.a.	100.0
C317	5	28.0	23.3	32.9	4.4	22.6	33.4	28.1	23.3	23.9	31.6	32.9	7.7	n.a.	100.0
A317	14	29.6	14.6	39.2	6.5	25.8	33.3	30.1	23.7	24.1	35.1	35.8	11.0	n.a.	100.0
A326	7	8.5	5.0	12.4	3.1	5.6	11.4	8.6	5.0	5.4	11.6	12.4	6.2	n.a.	100.0
B317	13	9.9	4.4	12.8	2.4	8.4	11.4	10.6	5.3	9.8	11.2	11.9	1.4	n.a.	100.0
A315	5	13.8	8.6	17.3	3.6	9.4	18.2	15.4	8.6	11.8	16.0	17.3	4.2	n.a.	100.0
A330	7	6.5	6.0	6.8	0.3	6.2	6.8	6.6	6.0	6.2	6.8	6.8	0.6	n.a.	100.0
A320	5	6.4	6.3	6.6	0.1	6.3	6.6	6.5	6.3	6.4	6.5	6.6	0.1	n.a.	100.0
Y320	10	7.2	4.2	8.9	1.3	6.3	8.1	7.1	5.6	7.0	7.7	8.8	0.7	n.a.	100.0
F321	6	3.9	3.5	4.3	0.3	3.6	4.2	4.0	3.5	3.6	4.2	4.3	0.6	n.a.	100.0
0322	13	6.6	6.0	7.4	0.4	6.4	6.9	6.5	6.1	6.3	7.1	7.1	0.7	n.a.	100.0
D322	13	7.5	6.3	9.2	1.0	6.9	8.1	7.2	6.4	6.9	8.2	8.7	1.4	n.a.	100.0
B322	2	7.1	5.7	8.6	2.1	-11.6	25.8	7.1	5.7	5.7	8.6	8.6	2.9	n.a.	100.0
I322B	10	6.1	1.4	9.7	2.2	4.5	7.7	5.9	3.2	5.4	6.8	9.3	1.3	n.a.	100.0
S322	5	11.1	10.9	11.7	0.3	10.7	11.5	11.0	10.9	11.0	11.1	11.7	0.1	n.a.	100.0
A341	8	3.4	3.2	3.6	0.1	3.3	3.6	3.4	3.2	3.4	3.6	3.6	0.2	n.a.	100.0
All	164	9.6	1.4	39.2	7.9	8.4	10.8	7.0	3.4	5.4	10.5	23.6	5.1	n.a.	100.0
Storm Flow															
A310	8	7.4	3.9	12.7	3.8	4.2	10.5	5.6	3.9	4.3	11.3	12.7	7.0	n.a.	100.0
E319	13	2.3	2.1	3.2	0.3	2.2	2.5	2.2	2.1	2.2	2.4	2.5	0.2	n.a.	100.0
A307	12	5.5	3.4	7.2	1.4	4.6	6.5	5.8	3.5	4.3	7.0	7.2	2.7	n.a.	100.0
C317	4	6.7	3.5	10.9	3.4	1.3	12.2	6.3	3.5	3.9	9.6	10.9	5.6	n.a.	100.0
A317	13	6.0	3.0	12.2	2.8	4.3	7.7	4.7	3.6	4.3	7.9	9.8	3.6	n.a.	100.0
A326	5	6.1	3.3	10.0	2.7	2.7	9.4	6.1	3.3	3.9	6.9	10.0	3.0	n.a.	100.0
B317	7	3.5	2.0	4.9	1.0	2.6	4.5	3.7	2.0	2.4	4.3	4.9	1.9	n.a.	100.0
A315	4	6.9	5.3	10.1	2.2	3.4	10.4	6.1	5.3	5.5	8.3	10.1	2.8	n.a.	100.0
A330	5	5.8	4.4	7.0	1.1	4.4	7.2	6.3	4.4	4.8	6.5	7.0	1.7	n.a.	100.0
A320	4	5.9	5.0	6.4	0.6	4.9	7.0	6.2	5.0	5.6	6.3	6.4	0.7	n.a.	100.0
Y320	12	4.1	2.7	5.5	0.8	3.6	4.6	4.1	3.2	3.8	4.4	4.9	0.7	n.a.	100.0
F321	3	3.1	2.9	3.4	0.3	2.4	3.8	2.9	2.9	2.9	3.4	3.4	0.5	n.a.	100.0
0322	16	5.7	4.2	7.0	0.7	5.4	6.1	5.7	4.8	5.5	6.1	6.7	0.6	n.a.	100.0
D322	10	6.1	4.2	7.9	1.0	5.4	6.8	6.2	4.7	5.5	6.6	7.3	1.1	n.a.	100.0
B322	5	10.0	5.7	13.4	2.8	6.5	13.5	10.8	5.7	9.2	10.9	13.4	1.7	n.a.	100.0
I322B	11	3.3	0.8	5.8	1.4	2.3	4.2	3.2	1.9	2.0	4.4	4.8	2.4	n.a.	100.0
S322	3	10.3	8.7	12.0	1.6	6.2	14.4	10.1	8.7	8.7	12.0	12.0	3.3	n.a.	100.0
A341	4	2.9	2.6	3.0	0.2	2.6	3.1	2.9	2.6	2.7	3.0	3.0	0.2	n.a.	100.0
All	139	5.3	0.8	13.4	2.5	4.9	5.7	4.8	2.4	3.5	6.4	8.9	2.8	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H32. Summary statistics for total sodium concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	8.1	3.9	16.0	4.4	5.3	10.9	6.7	3.9	4.4	11.6	15.1	7.2	n.a.	100.0
E319	16	2.8	2.1	3.5	0.5	2.6	3.1	2.8	2.2	2.6	3.3	3.4	0.7	n.a.	100.0
A307	13	8.6	8.1	9.1	0.3	8.4	8.7	8.6	8.2	8.3	8.7	8.9	0.4	n.a.	100.0
C317	5	27.5	23.7	31.8	3.6	23.0	32.0	26.7	23.7	24.6	30.7	31.8	6.1	n.a.	100.0
A317	14	29.6	15.2	38.2	6.3	25.9	33.2	29.5	23.6	24.8	34.1	36.6	9.3	n.a.	100.0
A326	7	8.5	5.1	12.2	3.1	5.6	11.3	8.6	5.1	5.5	11.7	12.2	6.2	n.a.	100.0
B317	13	9.9	4.5	12.9	2.4	8.4	11.3	10.5	5.3	9.8	11.2	11.7	1.4	n.a.	100.0
A315	5	13.7	8.9	17.2	3.5	9.4	18.1	15.4	8.9	11.2	15.9	17.2	4.7	n.a.	100.0
A330	7	6.5	6.1	6.9	0.3	6.2	6.8	6.7	6.1	6.2	6.8	6.9	0.6	n.a.	100.0
A320	5	6.3	6.1	6.6	0.2	6.1	6.5	6.4	6.1	6.2	6.4	6.6	0.2	n.a.	100.0
Y320	10	7.2	4.0	8.9	1.3	6.3	8.2	7.2	5.4	7.1	7.7	8.9	0.6	n.a.	100.0
F321	6	3.9	3.5	4.2	0.3	3.6	4.2	4.1	3.5	3.6	4.1	4.2	0.5	n.a.	100.0
0322	13	6.7	6.0	7.3	0.5	6.4	7.0	6.6	6.0	6.4	7.0	7.3	0.6	n.a.	100.0
D322	13	7.5	6.3	8.8	0.9	6.9	8.0	7.1	6.4	6.9	8.3	8.6	1.4	n.a.	100.0
B322	2	7.2	5.8	8.6	2.0	-10.5	24.9	7.2	5.8	5.8	8.6	8.6	2.8	n.a.	100.0
I322B	10	6.1	1.5	10.1	2.3	4.5	7.7	5.8	3.2	5.4	6.9	9.4	1.5	n.a.	100.0
S322	5	11.1	10.8	11.5	0.3	10.8	11.5	11.1	10.8	11.0	11.2	11.5	0.2	n.a.	100.0
A341	8	3.5	3.3	3.6	0.1	3.4	3.6	3.5	3.3	3.4	3.6	3.6	0.2	n.a.	100.0
All	164	9.6	1.5	38.2	7.9	8.4	10.8	7.1	3.4	5.5	10.5	23.7	5.0	n.a.	100.0
Storm Flow															
A310	8	7.3	4.2	12.2	3.6	4.3	10.2	5.5	4.2	4.3	11.1	12.2	6.7	n.a.	100.0
E319	13	2.5	2.2	3.2	0.3	2.3	2.6	2.4	2.2	2.3	2.6	2.7	0.3	n.a.	100.0
A307	12	5.6	3.7	7.1	1.1	4.9	6.4	5.9	4.3	4.6	6.6	6.9	2.0	n.a.	100.0
C317	4	6.7	3.7	10.7	3.4	1.3	12.0	6.1	3.7	3.9	9.4	10.7	5.5	n.a.	100.0
A317	13	6.1	3.1	12.1	2.7	4.4	7.7	4.7	3.7	4.5	8.3	9.7	3.8	n.a.	100.0
A326	5	5.9	3.4	9.5	2.4	3.0	8.9	6.2	3.4	4.1	6.4	9.5	2.3	n.a.	100.0
B317	7	3.7	2.2	5.2	1.0	2.7	4.6	3.8	2.2	2.6	4.4	5.2	1.8	n.a.	100.0
A315	4	6.7	5.2	9.7	2.1	3.4	10.1	6.0	5.2	5.3	8.2	9.7	2.9	n.a.	100.0
A330	5	5.8	4.7	6.7	0.8	4.8	6.8	6.1	4.7	5.2	6.3	6.7	1.2	n.a.	100.0
A320	4	5.8	5.2	6.3	0.5	5.0	6.6	5.9	5.2	5.5	6.2	6.3	0.7	n.a.	100.0
Y320	12	4.2	2.9	5.9	0.8	3.7	4.7	4.2	3.3	3.8	4.5	4.8	0.7	n.a.	100.0
F321	3	3.2	3.0	3.3	0.1	2.8	3.5	3.2	3.0	3.0	3.3	3.3	0.3	n.a.	100.0
0322	16	5.9	4.6	6.9	0.6	5.6	6.2	5.9	5.0	5.6	6.1	6.7	0.5	n.a.	100.0
D322	10	6.2	4.3	8.0	1.0	5.5	7.0	6.4	4.7	5.5	6.8	7.4	1.3	n.a.	100.0
B322	5	9.9	5.7	12.5	2.6	6.7	13.1	10.5	5.7	9.5	11.4	12.5	1.9	n.a.	100.0
I322B	11	3.3	0.9	5.9	1.4	2.3	4.2	3.1	2.1	2.1	4.4	4.9	2.3	n.a.	100.0
S322	3	10.1	8.6	11.7	1.6	6.2	13.9	9.9	8.6	8.6	11.7	11.7	3.1	n.a.	100.0
A341	4	3.8	2.8	6.4	1.7	1.1	6.6	3.0	2.8	2.9	4.7	6.4	1.8	n.a.	100.0
All	139	5.4	0.9	12.5	2.4	5.0	5.8	5.0	2.6	3.7	6.3	8.8	2.6	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H33. Summary statistics for dissolved zinc concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.00056	0.00040	0.00082	0.00012	0.00048	0.00063	0.00053	0.00042	0.00050	0.00062	0.00069	0.00012	0.0	75.0
E319	16	0.00053	0.00023	0.00110	0.00025	0.00039	0.00066	0.00052	0.00024	0.00028	0.00063	0.00100	0.00035	0.0	87.5
A307	13	0.00105	0.00057	0.00189	0.00038	0.00081	0.00128	0.00104	0.00057	0.00067	0.00123	0.00140	0.00056	0.0	100.0
C317	5	0.00554	0.00179	0.01000	0.00334	0.00139	0.00968	0.00468	0.00179	0.00338	0.00783	0.01000	0.00445	0.0	100.0
A317	14	0.00531	0.00110	0.01000	0.00332	0.00340	0.00723	0.00505	0.00120	0.00207	0.00841	0.01000	0.00634	0.0	100.0
A326	7	0.00405	0.00209	0.01000	0.00272	0.00153	0.00656	0.00342	0.00209	0.00224	0.00391	0.01000	0.00167	0.0	100.0
B317	13	0.01303	0.00372	0.05000	0.01284	0.00527	0.02079	0.01000	0.00417	0.00704	0.01000	0.03000	0.00296	7.7	100.0
A315	5	0.00235	0.00077	0.00602	0.00218	-0.00036	0.00506	0.00154	0.00077	0.00081	0.00261	0.00602	0.00180	0.0	100.0
A330	7	0.00070	0.00045	0.00122	0.00030	0.00042	0.00098	0.00061	0.00045	0.00046	0.00104	0.00122	0.00058	0.0	100.0
A320	5	0.00058	0.00036	0.00078	0.00015	0.00038	0.00077	0.00059	0.00036	0.00051	0.00064	0.00078	0.00013	0.0	100.0
Y320	10	0.00405	0.00150	0.02000	0.00563	0.00002	0.00808	0.00229	0.00165	0.00185	0.00259	0.01181	0.00074	0.0	100.0
F321	6	0.00049	0.00028	0.00066	0.00017	0.00032	0.00067	0.00051	0.00028	0.00036	0.00065	0.00066	0.00029	0.0	100.0
0322	13	0.00084	0.00050	0.00150	0.00037	0.00062	0.00106	0.00068	0.00052	0.00059	0.00116	0.00140	0.00057	0.0	92.3
D322	13	0.00172	0.00092	0.00252	0.00057	0.00138	0.00206	0.00190	0.00093	0.00135	0.00224	0.00240	0.00089	0.0	100.0
B322	2	0.00253	0.00161	0.00345	0.00130	-0.00916	0.01422	0.00253	0.00161	0.00161	0.00345	0.00345	0.00184	0.0	100.0
I322B	10	0.01800	0.01000	0.03000	0.00789	0.01236	0.02364	0.02000	0.01000	0.01000	0.02000	0.03000	0.01000	0.0	100.0
S322	5	0.00055	0.00050	0.00065	0.00006	0.00047	0.00063	0.00054	0.00050	0.00050	0.00057	0.00065	0.00007	0.0	60.0
A341	8	0.00047	0.00021	0.00092	0.00021	0.00030	0.00065	0.00050	0.00021	0.00033	0.00050	0.00092	0.00018	0.0	50.0
All	164	0.00376	0.00021	0.05000	0.00663	0.00274	0.00478	0.00118	0.00049	0.00057	0.00349	0.01000	0.00292	0.6	92.7
Storm Flow															
A310	8	0.00289	0.00106	0.01050	0.00321	0.00021	0.00557	0.00145	0.00106	0.00117	0.00315	0.01050	0.00197	0.0	100.0
E319	13	0.00066	0.00026	0.00145	0.00036	0.00044	0.00088	0.00050	0.00038	0.00050	0.00065	0.00130	0.00015	0.0	61.5
A307	12	0.00369	0.00197	0.00505	0.00094	0.00310	0.00428	0.00362	0.00284	0.00299	0.00452	0.00467	0.00152	0.0	100.0
C317	4	0.00999	0.00994	0.01000	0.00003	0.00994	0.01003	0.01000	0.00994	0.00997	0.01000	0.01000	0.00003	0.0	100.0
A317	13	0.00948	0.00608	0.01000	0.00129	0.00870	0.01026	0.01000	0.00717	0.01000	0.01000	0.01000	0.00000	0.0	100.0
A326	5	0.00629	0.00439	0.00879	0.00193	0.00389	0.00869	0.00571	0.00439	0.00475	0.00782	0.00879	0.00307	0.0	100.0
B317	7	0.02000	0.01000	0.04000	0.01155	0.00932	0.03068	0.02000	0.01000	0.01000	0.03000	0.04000	0.02000	0.0	100.0
A315	4	0.00556	0.00354	0.00805	0.00208	0.00225	0.00887	0.00532	0.00354	0.00386	0.00726	0.00805	0.00340	0.0	100.0
A330	5	0.11083	0.00050	0.55000	0.24550	-0.19401	0.41566	0.00091	0.00050	0.00079	0.00195	0.55000	0.00116	20.0	100.0
A320	4	0.00087	0.00046	0.00146	0.00044	0.00018	0.00157	0.00079	0.00046	0.00055	0.00119	0.00146	0.00064	0.0	100.0
Y320	12	0.00461	0.00294	0.00742	0.00124	0.00382	0.00540	0.00457	0.00302	0.00375	0.00518	0.00561	0.00143	0.0	100.0
F321	3	0.00109	0.00050	0.00190	0.00073	-0.00071	0.00289	0.00087	0.00050	0.00050	0.00190	0.00190	0.00140	0.0	100.0
0322	16	0.00241	0.00070	0.00398	0.00125	0.00174	0.00307	0.00256	0.00082	0.00115	0.00375	0.00397	0.00260	0.0	100.0
D322	10	0.00532	0.00260	0.00780	0.00160	0.00417	0.00646	0.00528	0.00327	0.00408	0.00660	0.00729	0.00252	0.0	100.0
B322	5	0.01800	0.01000	0.05000	0.01789	-0.00421	0.04021	0.01000	0.01000	0.01000	0.01000	0.05000	0.00000	0.0	100.0
I322B	11	0.01377	0.00986	0.02000	0.00456	0.01071	0.01683	0.01070	0.01000	0.01000	0.02000	0.02000	0.01000	0.0	100.0
S322	3	0.00066	0.00053	0.00072	0.00011	0.00038	0.00093	0.00072	0.00053	0.00053	0.00072	0.00072	0.00019	0.0	100.0
A341	4	0.00052	0.00045	0.00061	0.00008	0.00040	0.00064	0.00051	0.00045	0.00046	0.00058	0.00061	0.00012	0.0	100.0
All	139	0.00997	0.00026	0.55000	0.04666	0.00215	0.01780	0.00418	0.00055	0.00130	0.01000	0.01000	0.00870	0.7	96.4

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter

Table H34. Summary statistics for total zinc concentrations at sites in the Green-Duwamish watershed in 2001 and 2002.

Site Locator	N	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)	Standard Deviation (mg/L)	Lower 95% C.I. (mg/L)	Upper 95% C.I. (mg/L)	Median (mg/L)	10th Percentile (mg/L)	25th Percentile (mg/L)	75th Percentile (mg/L)	90th Percentile (mg/L)	Quartile Range (mg/L)	Percent Exceeding Standard[a]	Percent Detected[b]
Base Flow															
A310	12	0.00109	0.00053	0.00261	0.00058	0.00073	0.00146	0.00107	0.00058	0.00065	0.00132	0.00143	0.00067	n.a.	100.0
E319	16	0.00060	0.00016	0.00120	0.00028	0.00045	0.00074	0.00058	0.00024	0.00041	0.00072	0.00094	0.00031	n.a.	87.5
A307	13	0.00246	0.00089	0.00512	0.00131	0.00167	0.00325	0.00200	0.00119	0.00149	0.00309	0.00420	0.00160	n.a.	100.0
C317	5	0.01082	0.00408	0.02000	0.00574	0.00369	0.01794	0.01000	0.00408	0.01000	0.01000	0.02000	0.00000	n.a.	100.0
A317	14	0.00822	0.00292	0.02000	0.00441	0.00567	0.01076	0.00915	0.00356	0.00396	0.01000	0.01000	0.00604	n.a.	100.0
A326	7	0.00460	0.00322	0.01000	0.00243	0.00235	0.00685	0.00353	0.00322	0.00324	0.00443	0.01000	0.00119	n.a.	100.0
B317	13	0.02149	0.00945	0.08000	0.02195	0.00822	0.03476	0.01000	0.00992	0.01000	0.02000	0.05000	0.01000	n.a.	100.0
A315	5	0.00387	0.00103	0.00946	0.00352	-0.00051	0.00824	0.00210	0.00103	0.00155	0.00519	0.00946	0.00364	n.a.	100.0
A330	7	0.00116	0.00077	0.00159	0.00036	0.00082	0.00150	0.00133	0.00077	0.00078	0.00148	0.00159	0.00070	n.a.	100.0
A320	5	0.00068	0.00041	0.00113	0.00029	0.00032	0.00104	0.00065	0.00041	0.00045	0.00077	0.00113	0.00032	n.a.	100.0
Y320	10	0.00649	0.00181	0.03000	0.00844	0.00045	0.01253	0.00400	0.00200	0.00251	0.00521	0.01885	0.00270	n.a.	100.0
F321	6	0.00037	0.00024	0.00049	0.00011	0.00025	0.00048	0.00036	0.00024	0.00027	0.00048	0.00049	0.00021	n.a.	100.0
0322	13	0.00143	0.00064	0.00273	0.00070	0.00101	0.00185	0.00143	0.00072	0.00082	0.00201	0.00230	0.00119	n.a.	100.0
D322	13	0.00268	0.00114	0.00578	0.00122	0.00194	0.00341	0.00237	0.00162	0.00187	0.00294	0.00381	0.00106	n.a.	100.0
B322	2	0.00495	0.00246	0.00744	0.00352	-0.02669	0.03659	0.00495	0.00246	0.00246	0.00744	0.00744	0.00498	n.a.	100.0
I322B	10	0.02300	0.01000	0.04000	0.01059	0.01542	0.03058	0.02500	0.01000	0.01000	0.03000	0.03500	0.02000	n.a.	100.0
S322	5	0.00054	0.00048	0.00058	0.00004	0.00049	0.00059	0.00054	0.00048	0.00054	0.00056	0.00058	0.00002	n.a.	100.0
A341	8	0.00061	0.00026	0.00098	0.00024	0.00041	0.00081	0.00060	0.00026	0.00044	0.00078	0.00098	0.00034	n.a.	100.0
All	164	0.00570	0.00016	0.08000	0.01003	0.00415	0.00724	0.00201	0.00049	0.00076	0.00610	0.01000	0.00534	n.a.	98.8
Storm Flow															
A310	8	0.00664	0.00194	0.02716	0.00841	-0.00039	0.01367	0.00381	0.00194	0.00255	0.00566	0.02716	0.00310	n.a.	100.0
E319	13	0.00234	0.00020	0.01000	0.00249	0.00083	0.00385	0.00204	0.00061	0.00110	0.00220	0.00359	0.00110	n.a.	100.0
A307	12	0.02984	0.00732	0.19000	0.05146	-0.00286	0.06253	0.01083	0.00773	0.00838	0.02500	0.04000	0.01662	n.a.	100.0
C317	4	0.01500	0.01000	0.02000	0.00577	0.00581	0.02419	0.01500	0.01000	0.01000	0.02000	0.02000	0.01000	n.a.	100.0
A317	13	0.02692	0.01000	0.04000	0.01109	0.02022	0.03363	0.03000	0.01000	0.02000	0.04000	0.04000	0.02000	n.a.	100.0
A326	5	0.01010	0.00554	0.02000	0.00577	0.00294	0.01727	0.00809	0.00554	0.00688	0.01000	0.02000	0.00312	n.a.	100.0
B317	7	0.06571	0.02000	0.12000	0.03599	0.03243	0.09900	0.08000	0.02000	0.02000	0.08000	0.12000	0.06000	n.a.	100.0
A315	4	0.00842	0.00444	0.01000	0.00268	0.00416	0.01268	0.00962	0.00444	0.00684	0.01000	0.01000	0.00316	n.a.	100.0
A330	5	0.12640	0.00144	0.62000	0.27594	-0.21622	0.46902	0.00210	0.00144	0.00179	0.00667	0.62000	0.00488	n.a.	100.0
A320	4	0.00179	0.00051	0.00328	0.00114	-0.00003	0.00360	0.00167	0.00051	0.00106	0.00252	0.00328	0.00146	n.a.	100.0
Y320	12	0.00712	0.00514	0.00966	0.00129	0.00630	0.00794	0.00708	0.00533	0.00635	0.00808	0.00832	0.00173	n.a.	100.0
F321	3	0.00242	0.00070	0.00536	0.00256	-0.00394	0.00878	0.00120	0.00070	0.00070	0.00536	0.00536	0.00466	n.a.	100.0
0322	16	0.00693	0.00107	0.02000	0.00487	0.00434	0.00953	0.00673	0.00110	0.00377	0.00750	0.01547	0.00373	n.a.	100.0
D322	10	0.00930	0.00472	0.02000	0.00566	0.00525	0.01336	0.00741	0.00479	0.00597	0.00835	0.01977	0.00238	n.a.	100.0
B322	5	0.03000	0.01000	0.09000	0.03464	-0.01301	0.07301	0.01000	0.01000	0.01000	0.03000	0.09000	0.02000	n.a.	100.0
I322B	11	0.02019	0.01996	0.02107	0.00043	0.01990	0.02047	0.02000	0.02000	0.02000	0.02000	0.02103	0.00000	n.a.	100.0
S322	3	0.00224	0.00081	0.00480	0.00223	-0.00329	0.00777	0.00110	0.00081	0.00081	0.00480	0.00480	0.00399	n.a.	100.0
A341	4	0.00253	0.00228	0.00298	0.00031	0.00203	0.00302	0.00242	0.00228	0.00234	0.00271	0.00298	0.00037	n.a.	100.0
All	139	0.01957	0.00020	0.62000	0.05644	0.01011	0.02904	0.00809	0.00157	0.00377	0.02000	0.03000	0.01624	n.a.	100.0

[a] Percentage of collected samples that exceed the applicable water quality standard (see Tables 11 and 12).

[b] Percentage of collected samples with detectable samples of associated analyte.

N: number of samples; C.I.: confidence interval.

n.a.: not applicable.

mg/L: milligram/liter