Table A-2a. Summary statistics for measured chemical concentrations in sediment (Data from Inventory 15 [1998]).

			River Segment 1						
Chemical	Units	FOD (%)	Mean	SD	Min	Max	*N*	95% UCL	95th Percentile
Metals									
Arsenic	mg/kg	96	6.748	3.596	0.185	13.700	203	7.166	12.691
Barium	mg/kg	86	85.798	53.303	0.034	223.000	203	91.980	173.877
Cadmium	mg/kg	46	1.944	2.092	0.215	11.700	203	2.187	5.402
Chromium	mg/kg	100	55.438	56.441	2.700	286.000	203	61.984	148.703
Lead	mg/kg	100	62.253	58.424	1.300	226.000	203	69.029	158.794
Mercury	mg/kg	47	0.244	0.298	0.006	1.600	203	0.279	0.737
Selenium	mg/kg	47	1.045	0.715	0.125	3.100	203	1.128	2.227
Silver	mg/kg	12	0.438	0.355	0.140	3.900	203	0.479	1.025
Polycyclic Aromatic Hydrocarbons									
Benzo[b]fluoranthene	mg/kg	7	0.132	0.433	0.015	4.100	203	0.182	0.847
Chrysene	mg/kg	7	0.141	0.417	0.016	3.300	203	0.190	0.830
Fluoranthene	mg/kg	18	0.353	0.929	0.016	7.500	203	0.461	1.888
Pyrene	mg/kg	13	0.247	0.704	0.018	7.000	203	0.329	1.411
PCBs									
PCB Aroclor 1016	mg/kg	7	0.015	0.091	0.002	1.300	203	0.026	0.166
PCB Aroclor 1242	mg/kg	34	0.442	0.710	0.005	4.100	203	0.525	1.616
PCB Aroclor 1254	mg/kg	6	0.013	0.021	0.005	0.230	203	0.016	0.047
Semivolatile Organic Compounds									
2,4,6-Tribromophenol	mg/kg	99	4.736	1.697	1.600	11.000	203	4.933	7.540
2-Fluorobiphenyl	mg/kg	99	2.960	0.829	1.200	6.500	203	3.056	4.330
2-Fluorophenol	mg/kg	99	3.666	1.018	1.300	7.900	203	3.784	5.349
bis(2-Ethylhexyl)phthalate	mg/kg	23	0.424	0.946	0.010	4.700	203	0.533	1.987

FOD - Frequency of detection
SD - Standard deviation
N - Number of samples counted

Table A-2a. Summary statistics for measured chemical concentrations in sediment (Data from Inventory 15 [1998]).

		River Segment 2						
Chemical	Units	Mean	SD	Min	Max	*N*	95% UCL	95th Percentile
Metals								
Arsenic	mg/kg	7.398	3.749	0.205	14.200	75	8.119	13.643
Barium	mg/kg	114.516	70.226	0.140	290.000	75	128.024	231.493
Cadmium	mg/kg	3.241	3.862	0.300	16.900	75	3.984	9.675
Chromium	mg/kg	95.463	116.921	6.000	541.000	75	117.951	290.220
Lead	mg/kg	120.728	114.187	3.500	370.000	75	142.691	310.930
Mercury	mg/kg	0.452	0.628	0.012	3.200	75	0.573	1.498
Selenium	mg/kg	1.046	0.780	0.305	3.200	75	1.196	2.346
Silver	mg/kg	1.262	1.550	0.255	6.900	75	1.560	3.844
Polycyclic Aromatic Hydrocarbons								
Benzo[b]fluoranthene	mg/kg	0.223	0.394	0.022	2.100	75	0.299	0.880
Chrysene	mg/kg	0.133	0.248	0.018	1.600	75	0.181	0.547
Fluoranthene	mg/kg	0.524	1.000	0.016	5.400	75	0.717	2.191
Pyrene	mg/kg	0.346	0.771	0.019	5.100	75	0.495	1.631
PCBs								
PCB Aroclor 1016	mg/kg	0.447	1.600	0.008	9.900	75	0.755	3.112
PCB Aroclor 1242	mg/kg	0.640	1.650	0.011	12.000	75	0.958	3.388
PCB Aroclor 1254	mg/kg	0.038	0.081	0.005	0.540	75	0.053	0.173
Semivolatile Organic Compounds								
2,4,6-Tribromophenol	mg/kg	3.356	0.870	1.500	6.700	75	3.523	4.806
2-Fluorobiphenyl	mg/kg	2.280	0.620	1.200	4.300	75	2.399	3.313
2-Fluorophenol	mg/kg	3.764	0.969	2.100	7.000	75	3.950	5.378
bis(2-Ethylhexyl)phthalate	mg/kg	1.987	3.073	0.023	14.000	75	2.578	7.105

FOD - Frequency of detection
SD - Standard deviation
N - Number of samples counted

Table A-2a. Summary statistics for measured chemical concentrations in sediment (Data from Inventory 15 [1998]).

		River Segment 3						
Chemical	Units	Mean	SD	Min	Max	*N*	95% UCL	95th Percentile
Metals								
Arsenic	mg/kg	7.359	3.889	2.200	16.600	29	8.587	13.974
Barium	mg/kg	121.715	124.974	0.145	618.000	29	161.193	334.312
Cadmium	mg/kg	2.599	4.807	0.285	20.700	29	4.117	10.776
Chromium	mg/kg	131.176	377.780	8.900	2000.000	29	250.514	773.829
Lead	mg/kg	126.210	171.521	5.300	533.000	29	180.392	417.990
Mercury	mg/kg	0.376	0.594	0.011	2.300	29	0.564	1.386
Selenium	mg/kg	0.743	1.171	0.285	6.200	29	1.112	2.735
Silver	mg/kg	1.898	2.881	0.245	10.800	29	2.808	6.798
Polycyclic Aromatic Hydrocarbons								
Benzo[b]fluoranthene	mg/kg	0.222	0.448	0.021	1.750	29	0.363	0.984
Chrysene	mg/kg	0.176	0.356	0.017	1.400	29	0.288	0.781
Fluoranthene	mg/kg	0.324	0.732	0.015	3.700	29	0.555	1.569
Pyrene	mg/kg	0.309	0.713	0.019	3.400	29	0.534	1.522
PCBs								
PCB Aroclor 1016	mg/kg	23.370	101.814	0.007	540.000	29	55.532	196.569
PCB Aroclor 1242	mg/kg	0.971	3.380	0.011	16.500	29	2.038	6.720
PCB Aroclor 1254	mg/kg	0.457	1.539	0.005	7.500	29	0.943	3.074
Semivolatile Organic Compounds								
2,4,6-Tribromophenol	mg/kg	2.671	1.130	0.000	4.700	29	3.028	4.593
2-Fluorobiphenyl	mg/kg	1.558	0.713	0.000	3.500	29	1.783	2.770
2-Fluorophenol	mg/kg	2.731	1.236	0.000	5.200	29	3.121	4.833
bis(2-Ethylhexyl)phthalate	mg/kg	22.171	64.113	0.022	220.000	29	42.423	131.235

FOD - Frequency of detection
SD - Standard deviation
N - Number of samples counted

Table A-2a. Summary statistics for measured chemical concentrations in sediment (Data from Inventory 15 [1998]).

		River Segment 4						
Chemical	Units	Mean	SD	Min	Max	*N*	95% UCL	95th Percentile
Metals								
Arsenic	mg/kg	7.543	4.532	2.900	21.000	28	9.002	15.262
Barium	mg/kg	97.226	100.856	0.135	449.000	28	129.691	269.014
Cadmium	mg/kg	1.074	1.209	0.300	4.900	28	1.463	3.133
Chromium	mg/kg	59.386	109.413	7.200	578.000	28	94.605	245.748
Lead	mg/kg	174.668	342.080	4.800	1800.000	28	284.780	757.329
Mercury	mg/kg	0.277	0.589	0.012	3.000	28	0.467	1.281
Selenium	mg/kg	0.605	0.401	0.300	1.800	28	0.734	1.289
Silver	mg/kg	0.913	1.332	0.255	5.700	28	1.341	3.181
Polycyclic Aromatic Hydrocarbons								
Benzo[b]fluoranthene	mg/kg	0.757	1.195	0.022	4.900	28	1.141	2.793
Chrysene	mg/kg	0.641	0.993	0.018	3.900	28	0.961	2.333
Fluoranthene	mg/kg	1.312	2.098	0.016	8.800	28	1.988	4.886
Pyrene	mg/kg	0.985	1.414	0.020	5.700	28	1.441	3.394
PCBs								
PCB Aroclor 1016	mg/kg	0.410	1.052	0.008	4.700	28	0.749	2.202
PCB Aroclor 1242	mg/kg	0.430	1.878	0.011	10.000	28	1.034	3.629
PCB Aroclor 1254	mg/kg	0.137	0.286	0.005	1.400	28	0.229	0.623
Semivolatile Organic Compounds								
2,4,6-Tribromophenol	mg/kg	2.600	1.062	0.000	4.800	28	2.942	4.409
2-Fluorobiphenyl	mg/kg	1.650	0.726	0.000	3.400	28	1.884	2.887
2-Fluorophenol	mg/kg	2.686	1.080	0.000	5.200	28	3.033	4.525
bis(2-Ethylhexyl)phthalate	mg/kg	0.519	0.733	0.023	2.300	28	0.754	1.767

FOD - Frequency of detection
SD - Standard deviation
N - Number of samples counted

Table A-2a. Summary statistics for measured chemical concentrations in sediment (Data from Inventory 15 [1998]).

		River Segment 5						
Chemical	Units	Mean	SD	Min	Max	*N*	95% UCL	95th Percentile
Metals								
Arsenic	mg/kg	7.400	3.569	3.200	11.600	5	10.803	15.009
Barium	mg/kg	70.347	44.425	0.135	108.000	5	112.701	165.054
Cadmium	mg/kg	0.783	0.594	0.300	1.800	5	1.349	2.048
Chromium	mg/kg	26.740	19.905	8.500	59.300	5	45.717	69.174
Lead	mg/kg	43.040	57.053	5.200	140.000	5	97.433	164.667
Mercury	mg/kg	0.085	0.102	0.012	0.240	5	0.183	0.303
Selenium	mg/kg	0.621	0.661	0.260	1.800	5	1.251	2.030
Silver	mg/kg	0.628	0.662	0.255	1.800	5	1.259	2.040
Polycyclic Aromatic Hydrocarbons								
Benzo[b]fluoranthene	mg/kg	0.139	0.203	0.022	0.500	5	0.332	0.572
Chrysene	mg/kg	0.039	0.022	0.018	0.065	5	0.060	0.086
Fluoranthene	mg/kg	0.193	0.340	0.016	0.800	5	0.517	0.917
Pyrene	mg/kg	0.185	0.305	0.020	0.730	5	0.476	0.836
PCBs								
PCB Aroclor 1016	mg/kg	0.405	0.892	0.005	2.000	5	1.255	2.306
PCB Aroclor 1242	mg/kg	0.024	0.029	0.010	0.075	5	0.051	0.085
PCB Aroclor 1254	mg/kg	0.043	0.066	0.005	0.160	5	0.106	0.184
Semivolatile Organic Compounds								
2,4,6-Tribromophenol	mg/kg	4.280	2.229	2.000	6.700	5	6.405	9.031
2-Fluorobiphenyl	mg/kg	2.420	1.314	1.100	4.300	5	3.673	5.222
2-Fluorophenol	mg/kg	3.500	1.116	1.900	4.600	5	4.564	5.879
bis(2-Ethylhexyl)phthalate	mg/kg	0.979	1.722	0.021	4.000	5	2.621	4.651

FOD - Frequency of detection
SD - Standard deviation
N - Number of samples counted