Table G-1. Statistical summary of contaminant concentrations by parameter and media.

			Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)							Peto Prentice test (Land use significance)				
Parameter	Matrix	Case	% non-detect	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df	PPCC test	Seasonal Wilcoxon p-value
1-Methylnaphthalene	sediment (ug/Kg)	B	59.6	52	21	31	1.07	870	0.1	690	-	-	-	-	-	-	-	-	-	102.9	2.1423	5.5268	45.5500	431.0000	215.1	0.9	-	-	-	reject Ho	0.471
1-Methylnaphthalene	water (ug/L)	C	96.2	290	11	279	0.1	1.6	0.1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.086
2-Methylnaphthalene	sediment (ug/Kg)	B	52.6	78	37	41	1.12	1500	0.1	690	-	-	-	-	-	-	-	-	-	102.9	4.7192	13.2771	72.2500	285.0000	231.4	1.0	-	-	-	reject Ho	0.674
2-Methylnaphthalene	water (ug/L)	C	82.8	634	109	525	0.003	2.5	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.034
2-Nitrophenol	sediment (ug/Kg)	C	100	23	0	23	-	-	1	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
2,4-D	sediment (ug/Kg)	C	91.7	12	1	11	340	340	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.564
2,4-D	water (ug/L)	C	83.1	604	102	502	0.02	28.4	0.05	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
2,4-Dichlorophenol	sediment (ug/Kg)	C	100	24	0	24	-	-	1	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
2,4-Dimethylphenol	sediment (ug/Kg)	C	92.9	42	3	39	6.1	17.4	1	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.256
2,4,5-Trichlorophenol	sediment (ug/Kg)	C	100	24	0	24	-	-	1	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
2,4,6-Trichlorophenol	sediment (ug/Kg)	C	100	23	0	23	-	-	1	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
4-Chloro-3-Methylphenol	sediment (ug/Kg)	C	95.2	21	1	20	83.6	83.6	1	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.683
4-Nitrophenol	sediment (ug/Kg)	C	95.2	21	1	20	4.64	4.64	1	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
Acenaphthene	sediment (ug/Kg)	A	45.6	79	43	36	8.7	8900	0.1	530	921.3	210.1	509.5	1333.0	-	33.8	1000	3400	1867.2	-	-	-	-	-	-	1.0	8.36E-06	26.27380597	3	reject Ho	0.183
Acenaphthene	water (ug/L)	C	90.2	634	62	572	0.003	1.5	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.421
Acenaphthylene	sediment (ug/Kg)	B	67.1	79	26	53	15.8	3600	0.1	530	-	-	-	-	-	-	-	-	-	243.5	20.2227	27.7562	230.0000	772.0000	515.5	0.9	-	-	-	reject Ho	0.130
Acenaphthylene	water (ug/L)	C	93.5	634	41	593	0.003	1.5	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.939
Ammonia	water (ug/L)	A	0	71	71	0	10	1260	-	-	179.0	21.3	137.3	220.6	80	136	225	296	179.1	-	-	-	-	-	-	1.0	0.00017445	17.30773761	2	do not reject Ho	0.009
Anthracene	sediment (ug/Kg)	A	26.6	79	58	21	17	33000	0.1	530	3833.3	810.3	2245.0	5421.5	21	131	6000	17000	7202.4	-	-	-	-	-	-	1.0	1.22E-05	25.48566109	3	reject Ho	0.069
Anthracene	water (ug/L)	C	88.8	634	71	563	0.004	5.4	0.004	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.079
Arsenic	water dissolved (ug/L)	A	0	16	16	0	0.17	1.04	-	-	0.3	0.1	0.2	0.4	0.2	0.25	0.4	0.46	0.2	-	-	-	-	-	-	0.9	-	-	-	reject Ho	0.070
Benz(a)anthracene	sediment (ug/Kg)	A	11.6	69	61	8	9.4	210000	1	500	21557.2	4818.2	12113.7	31000.7	110	800	28000	82000	40022.9	-	-	-	-	-	-	1.0	0.00010872	20.93264235	3	reject Ho	0.043
Benz(a)anthracene	water (ug/L)	B	65.6	511	176	335	0.004	11	0.002	1.1	-	-	-	-	-	-	-	-	-	0.2	0.0009	0.0060	0.0335	0.1900	1.1	1.0	-	-	-	do not reject Ho	0.468
Benzene	water (ug/L)	C	99.2	120	1	119	2.6	2.6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.564
Benzo(a)pyrene	sediment (ug/Kg)	A	17.7	79	65	14	16.2	260000	0.1	500	22986.5	5193.2	12808.0	33165.0	120	720	31000	77000	46158.2	-	-	-	-	-	-	1.0	1.31E-05	25.3441293	3	reject Ho	0.071
Benzo(a)pyrene	water (ug/L)	B	71.6	631	179	452	0.004	15	0.004	1.1	-	-	-	-	-	-	-	-	-	0.2	0.0008	0.0054	0.0361	0.2400	1.2	1.0	-	-	-	do not reject Ho	0.521
Benzo(b)fluoranthene	sediment (ug/Kg)	A	20	45	36	9	1.07	240000	0.1	220	18471.6	6451.2	5827.5	31115.7	82.4	240	17000	49000	43275.9	-	-	-	-	-	-	1.0	0.0004098	18.14897872	3	reject Ho	0.518
Benzo(b)fluoranthene	water (ug/L)	B	69.6	359	109	250	0.02	13	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.3	0.0027	0.0140	0.1000	0.3144	1.4	1.0	-	-	-	do not reject Ho	0.345
Benzo(b,k)fluoranthene	sediment (ug/Kg)	A	0	9	9	0	110	2900	-	-	1294.4	303.8	699.0	1889.9	370	1400	1700	-	911.4	-	-	-	-	-	-	0.9	-	-	-	do not reject Ho	NA
Benzo(b,k)fluoranthene	water (ug/L)	B	50.8	126	62	64	0.005	0.315	0.003	0.021	-	-	-	-	-	-	-	-	-	0.0	0.0042	0.0098	0.0228	0.0475	0.0	1.0	-	-	-	do not reject Ho	0.099
Benzo(g,h,i)perylene	sediment (ug/Kg)	A	11.3	71	63	8	4	160000	1	500	17140.3	3755.7	9779.3	24501.2	180	800	24000	52000	31645.7	-	-	-	-	-	-	1.0	0.00018355	19.83603973	3	reject Ho	0.018
Benzo(g,h,i)perylene	water (ug/L)	B	60	633	253	380	0.004	12	0.003	1.1	-	-	-	-	-	-	-	-	-	0.2	0.0032	0.0132	0.0750	0.2800	0.9	1.0	-	-	-	do not reject Ho	0.672
Benzo(k)fluoranthene	sediment (ug/Kg)	A	28.9	45	32	13	10.2	230000	0.1	530	17011.7	6084.8	5085.8	28937.6	10.2	131	13000	49000	40817.7	-	-	-	-	-	-	1.0	0.00126717	15.76466594	3	do not reject Ho	0.762
Benzo(k)fluoranthene	water (ug/L)	B	76	359	86	273	0.014	13	0.0094	0.99	-	-	-	-	-	-	-	-	-	0.3	0.0010	0.0065	0.0516	0.2760	1.4	1.0	-	-	-	do not reject Ho	0.357
Benzofluoranthenes	sediment (ug/Kg)	A	0	34	34	0	177	340000	-	-	83220.6	15731.5	52387.5	114053.7	2070	57000	130000	220000	91729.4	-	-	-	-	-	-	0.9	0.03226637	8.786637757	3	reject Ho	0.143
Benzofluoranthenes	water (ug/L)	B	54.4	149	68	81	0.0666	5.7	0.0094	2.2	-	-	-	-	-	-	-	-	-	0.3	0.0301	0.0907	0.2800	1.0220	0.7	1.0	-	-	-	do not reject Ho	0.779
Biochemical Oxygen Demand	water (ug/L)	A	21.6	538	422	116	1100	68000	1000	15000	6228.4	328.6	5584.3	6872.4	2200	3900	7200	13100	7621.6	-	-	-	-	-	-	1.0	1.35E-23	109.5785158	3	do not reject Ho	0.000
Bis(2-ethylhexyl) phthalate	sediment (ug/Kg)	A	7.3	55	51	4	21.6	34000	20	2200	6855.9	1006.6	4883.0	8828.7	1760	4800	11000	15000	7465.0	-	-	-	-	-	-	0.9	6.51E-11	50.41608199	3	reject Ho	0.172
Bis(2-ethylhexyl) phthalate	water (ug/L)	A	38.1	622	385	237	0.15	41.4	0.024	10.1	2.1	0.2	1.8	2.4	0.456	0.977	2.23	4.92	3.8	-	-	-	-	-	-	1.0	9.97E-43	198.2712072	3	do not reject Ho	0.716
BTEX	water (ug/L)	C	97.5	120	3	117	1.1	6.4	1	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.312
Butyl benzyl phthalate	sediment (ug/Kg)	A	43.9	57	32	25	21.5	60000	1	1300	1831.5	1087.7	-300.3	3963.3	-	96	450	2500	8211.8	-	-	-	-	-	-	1.0	0.02092846	9.73812858	3	do not reject Ho	0.081
Butyl benzyl phthalate	water (ug/L)	B	77.4	633	143	490	0.022	2.82	0.018	3	-	-	-	-	-	-	-	-	-	0.2	0.0482	0.0995	0.2200	0.4192	0.2	1.0	-	-	-	reject Ho	0.613
Cadmium	sediment (ug/Kg)	A	10	80	72	8	0.781	4900	2.5	500	948.1	97.1	757.7	1138.4	322	819	1300	1860	868.6	-	-	-	-	-	-	0.9	8.01E-06	26.3622008	3	reject Ho	0.676
Cadmium	water (ug/L)	A	26.6	639	469	170	0.011	10.1	0.025	1	0.2	0.0	0.2	0.3	0.05	0.114	0.219	0.383	0.8	-	-	-	-	-	-	1.0	2.26E-37	173.4768517	3	reject Ho	0.000
Cadmium	water dissolved (ug/L)	A	47.6	635	333	302	0.003	1.85	0.007	0.4	0.1	0.0	0.1	0.1	0.021	0.039	0.066	0.11	0.1	-	-	-	-	-	-	1.0	1.15E-32	151.6719244	3	do not reject Ho	0.026
Calcium	water (ug/L)	A	0	353	353	0	620	357000	-	-	8947.1	1109.2	6773.2	11121.0	3300	5710	10000	16000	20839.2	-	-	-	-	-	-	1.0	1.03E-69	323.036398	3	do not reject Ho	0.035
Calcium	water dissolved (ug/L)	A	0	2	2	0	1640	2500	-	-	2070.0	430.0	1227.2	2912.8	1640	-	-	-	608.1	-	-	-	-	-	-	-	-	-	-	-	NA
Chloride	water (ug/L)	A	2	551	540	11	55	1080000	100	250	12153.0	2628.4	7001.3	17304.6	1500	3300	6990	13700	61698.5	-	-	-	-	-	-	1.0	6.32E-16	73.8712238	3	reject Ho	0.180
Chlorpyrifos	sediment (ug/Kg)	C	98.1	53	1	52	15	15	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.423
Chlorpyrifos	water (ug/L)	C	99.8	644	1	643	0.022	0.022	0.006	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.039
Chrysene	sediment (ug/Kg)	A	7.6	79	73	6	1.07	280000	1	220	25306.5	5683.3	14167.4	36445.7	220	1100	34000	77000	50514.6	-	-	-	-	-	-	1.0	1.14E-05	25.63304214	3	reject Ho	0.020
Chrysene	water (ug/L)	B	54.1	634	291	343	0.003	16	0.003	1.1	-	-	-	-	-	-	-	-	-	0.3	0.0053	0.0200	0.1010	0.2858	1.3	1.0	-	-	-	do not reject Ho	0.149
Conductivity (uS/cm)	water (uS/cm)	A	0.2	637	636	1	5.3	4020	18	18	131.6	13.5	105.1	158.2	33.5	72.3	123	183	342.0	-	-	-	-	-	-	1.0	2.52E-55	256.5374964	3	reject Ho	0.032
Copper	sediment (ug/Kg)	A	0	78	78	0	156	1260000	-	-	151801.7	24203.6	104363.5	199240.0	23900	81000	197000	395000	213760.7	-	-	-	-	-	-	1.0	1.44E-07	34.64951691	3	reject Ho	0.753
Copper	water (ug/L)	A	1.4	652	643	9	0.38	218	0.1	0.5	17.0	0.8	15.5	18.6	4.75	10.4	21.6	38.6	20.3	-	-	-	-	-	-	1.0	7.11E-60	277.56935	3	do not reject Ho	0.003
Copper	water dissolved (ug/L)	A	2.8	602	585	17	0.62	122	0.1	12.5	6.4	0.4	5.7	7.2	2.24	3.9	6.79	13.4	9.8	-	-	-	-	-	-	1.0	8.82E-35	161.4710548	3	do not reject Ho	0.000
CPAH	sediment (ug/Kg)	A	6.1	82	77	5	1.07	1453000	1	220	104752.6	24744.6	56254.1	153251.1	708	3130	123700	273000	224071.8	-	-	-	-	-	-	1.0	1.37E-05	25.24450279	3	reject Ho	0.060
CPAH	water (ug/L)	A	48.4	634	327	307	0.004	83.3	0.007	1.1	1.2	0.3	0.7	1.7	0.009	0.044	0.2331	1.3	6.6	-	-	-	-	-	-	1.0	7.92E-22	101.3604205	3	reject Ho	0.535
Di-N-Octyl Phthalate	sediment (ug/Kg)	B	71.4	56	16	40	116	10000	1	1300	-	-	-	-	-	-	-	-	-	570.5	18.4721	31.0369	260.0000	1150.0000	1839.2	1.0	-	-	-	do not reject Ho	0.885
Di-N-Octyl Phthalate	water (ug/L)	C	88.8	632	71	561	0.018	3.19	0.018	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.981
Diazinon	sediment (ug/Kg)	C	98.1	52	1	51	17	17	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.439
Diazinon	water (ug/L)	C	99.1	644	6	638	0.026	0.53	0.005	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.805
Dibenzo(a,h)anthracene	sediment (ug/Kg)	A	26.6	79	58	21	6.54	73000	0.1	530	6377.9	1428.0	3579.0	9176.8	14.8	190	9100	23000	12692.5	-	-	-	-	-	-	1.0	8.23E-05	21.51400957	3	reject Ho	0.144
Dibenzo(a,h)anthracene	water (ug/L)	C	86.1	634	88	546	0.005	5.3	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001
Dibutyl phthalate	sediment (ug/Kg)	B	71.9	57	16	41	16	2070	1	1300	-	-	-	-	-	-	-	-	-	143.8	8.5437	15.8432	50.6322	318.8000	382.3	1.0	-	-	-	do not reject Ho	0.330
Dibutyl phthalate	water (ug/L)	B	68.2	633	201	432	0.024	5.08	0.023	3	-	-	-	-	-	-	-	-	-	0.2	0.0533	0.1128	0.2488	0.4139	0.3	1.0	-	-	-	reject Ho	0.083
Dichlobenil	sediment (ug/Kg)	B	60	15	6	9	17	100	0.1	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	do not reject Ho	0.019
Dichlobenil	water (ug/L)	B	64.2	611	219	392	0.012	1.3	0.007	1	-	-	-	-	-	-	-	-	-	0.1	0.0094	0.0240	0.0505	0.1180	0.1	1.0	-	-	-	do not reject Ho	0.070
Diesel Fuel	sediment (ug/Kg)	A	0	22	22	0	430000	6700000	-	-	2440000.0	388338.1	1678871.3	3201128.7	1.00E+06	2.00E+06	3500000	4400000	1821467.2	-	-	-	-	-	-	1.0	-	-	-	do not reject Ho	0.389
Diesel Fuel	water (ug/L)	B	53.2	77	36	41	100	4900	100	250	-	-	-	-	-	-	-	-	-	302.0	42.3729	103.3210	320.0000	654.0000	626.5	1.0	-	-	-	do not reject Ho	0.083
Diesel Range Organics	sediment (ug/Kg)	A	25	12	9	3	27000	510000	50000	5.00E+05	140617.3	40577.1	61087.7	220146.9	41000	120000	190000	220000	140563.0	-	-	-	-	-	-	1.0	-	-	-	do not reject Ho	0.282
Diesel Range Organics	water (ug/L)	A	42.5	487	280	207	13	4900	30	570	348.9	24.4	301.2	396.7	28	130	450	960	537.4	-	-	-	-	-	-	1.0	4.99E-14	65.01060765	3	reject Ho	0.000
Diethyl phthalate	sediment (ug/Kg)	C	94.6	56	3	53	81	123	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.288
Diethyl phthalate	water (ug/L)	B	69.4	634	194	440	0.026	8.9	0.024	3	-	-	-	-	-	-	-	-	-	0.2	0.0704	0.1325	0.2400	0.4201	0.4	1.0	-	-	-	do not reject Ho	0.000
Dimethyl phthalate	sediment (ug/Kg)	C	80.4	56	11	45	28	628	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.366
Dimethyl phthalate	water (ug/L)	C	85.2	634	94	540	0.025	2.8	0.021	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001
Ethylbenzene	water (ug/L)	C	100	120	0	120	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
Fecal coliform	water (cfu/100mL)	A	6.6	560	523	37	1	1100000	1	4	4778.2	2008.6	841.3	8715.0	50	350	1700	5400	47533.0	-	-	-	-	-	-	1.0	1.91E-14	66.96008797	3	reject Ho	0.000
Fines	sediment (%)	A	0	73	73	0	3.5	178	-	-	43.3	4.7	34.1	52.5	17.6	29.4	58.73	86.9	40.1	-	-	-	-	-	-	1.0	0.17694306	4.930692978	3	do not reject Ho	0.613
Fluoranthene	sediment (ug/Kg)	A	6.3	79	74	5	1.02	590000	1	500	56949.0	13252.4	30974.8	82923.2	270	1900	67000	220000	117789.9	-	-	-	-	-	-	1.0	3.05E-05	23.58366618	3	reject Ho	0.038
Fluoranthene	water (ug/L)	A	40.9	633	374	259	0.007	33	0.005	1.1	0.5	0.1	0.3	0.7	0.017	0.039	0.151	0.44	2.6	-	-	-	-	-	-	1.0	3.36E-32	149.5114605	3	reject Ho	0.047
Fluorene	sediment (ug/Kg)	A	41	78	46	32	19.3	14000	0.1	530	1493.4	331.4	843.9	2142.9	-	60	2000	5900	2926.7	-	-	-	-	-	-	1.0	1.81E-06	29.44523663	3	reject Ho	0.262
Fluorene	water (ug/L)	C	87.4	634	80	554	0.003	1.6	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.407
Gasoline Range Organics	water (ug/L)	C	89.6	491	51	440	11	395	10	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.047
Gravel	sediment (%)	A	6.8	73	68	5	0	59.2	0.1	0.1	7.9	1.3	5.4	10.5	0.6	5.2	8.6	19.8	11.3	-	-	-	-	-	-	0.9	0.90333114	0.569705805	3	reject Ho	0.023
Hardness as CaCO3	water (ug/L)	A	0.3	642	640	2	1900	1300000	10000	10000	35715.4	2915.1	30001.9	41428.9	13900	25200	40000	57000	73862.4	-	-	-	-	-	-	1.0	2.02E-54	252.364146	3	reject Ho	0.046
Heavy Fuel Oil	sediment (ug/Kg)	A	0	12	12	0	820000	5040000	-	-	2669166.7	414342.2	1857070.8	3481262.5	1100000	2800000	3470000	4500000	1435323.6	-	-	-	-	-	-	0.9	0.01560976	8.319717489	2	do not reject Ho	0.036
Heavy Fuel Oil	water (ug/L)	A	21.5	298	234	64	21	9000	20	500	762.1	67.1	630.7	893.6	150	360	840	2000	1157.6	-	-	-	-	-	-	1.0	2.03E-38	178.3196556	3	do not reject Ho	0.023
HPAH	sediment (ug/Kg)	A	3.3	90	87	3	3.46	2683000	1	220	228297.8	51029.7	128281.4	328314.1	1438	7840	266800	727000	484110.2	-	-	-	-	-	-	1.0	5.64E-05	22.30477609	3	reject Ho	0.069

Parameter	Matrix	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)								Peto Prentice test (Land use significance)				
			% non-detect	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df	PPCC test	Seasonal Wilcoxon p-value
HPAH	water (ug/L)	A	32.7	633	426	207	0.012	154.3	0.0094	2.2	2.4	0.5	1.4	3.3	0.034	0.11	0.712	2.505	12.3	-	-	-	-	-	-	1.0	2.66E-29	136.0685129	3	reject Ho	0.135
Indeno(1,2,3-cd)pyrene	sediment (ug/Kg)	A	13.9	79	68	11	19.4	160000	1	500	14900.3	3291.5	8449.0	21351.6	130	540	18000	52000	29255.8	-	-	-	-	-	-	1.0	5.49E-05	22.35859445	3	reject Ho	0.023
Indeno(1,2,3-cd)pyrene	water (ug/L)	B	71.3	634	182	452	0.004	10	0.003	1.1	-	-	-	-	-	-	-	-	-	0.2	0.0008	0.0050	0.0322	0.2100	0.8	1.0	-	-	-	do not reject Ho	0.166
Lead	sediment (ug/Kg)	A	2.5	80	78	2	360	1790000	10	10	188329.5	28179.5	133098.7	243560.2	20500	114000	248000	486000	252044.9	-	-	-	-	-	-	0.9	5.33E-08	36.69892158	3	reject Ho	0.778
Lead	water (ug/L)	A	0.9	638	632	6	0.1	294	0.05	0.1	15.2	1.1	13.2	17.3	1.4	6.12	16.9	40.1	26.7	-	-	-	-	-	-	1.0	1.51E-53	248.3169933	3	do not reject Ho	0.213
Lead	water dissolved (ug/L)	A	19.4	628	506	122	0.016	21.8	0.02	1.8	0.8	0.1	0.6	0.9	0.086	0.2	0.43	1.61	2.2	-	-	-	-	-	-	1.0	4.52E-31	144.2757197	3	do not reject Ho	0.000
LPAH	sediment (ug/Kg)	A	5.8	86	81	5	1.94	307500	0.1	500	28429.9	6464.6	15759.6	41100.2	200	1200	35850	97250	59949.8	-	-	-	-	-	-	1.0	2.01E-05	24.45133572	3	reject Ho	0.092
LPAH	water (ug/L)	A	38.6	634	389	245	0.006	24.3	0.0094	1.1	0.4	0.1	0.2	0.5	0.0268	0.053	0.12	0.32	1.8	-	-	-	-	-	-	1.0	3.58E-23	107.61479	3	reject Ho	0.324
Lube Oil	water (ug/L)	B	58.4	89	37	52	194	1550	190	570	-	-	-	-	-	-	-	-	-	348.9	126.6109	207.3068	460.0000	846.6000	334.4	1.0	-	-	-	reject Ho	0.139
Magnesium	water (ug/L)	A	0	353	353	0	90	96500	-	-	2121.2	284.2	1564.2	2678.2	610	1500	2440	4040	5339.3	-	-	-	-	-	-	1.0	5.04E-48	222.7779207	3	reject Ho	0.727
Magnesium	water dissolved (ug/L)	A	0	2	2	0	210	310	-	-	260.0	50.0	162.0	358.0	210	-	-	-	70.7	-	-	-	-	-	-	-	-	-	-	-	NA
Malathion	sediment (ug/Kg)	C	98.1	53	1	52	16	16	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.453
Malathion	water (ug/L)	C	98.9	643	7	636	0.027	0.2	0.008	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.117
Mecoprop	sediment (ug/Kg)	C	91.7	12	1	11	6500	6500	10	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.083
Mecoprop	water (ug/L)	C	89.6	616	64	552	0.02	28	0.02	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
Mercury	sediment (ug/Kg)	A	17.6	68	56	12	10	442	5	61	108.6	10.6	87.8	129.4	35.7	80	170	210	87.6	-	-	-	-	-	-	1.0	0.00429866	13.16219513	3	reject Ho	0.822
Mercury	water (ug/L)	B	77.4	455	103	352	0.002	0.4	0.02	0.2	-	-	-	-	-	-	-	-	-	0.0	0.0055	0.0112	0.0233	0.0454	0.0	1.0	-	-	-	do not reject Ho	0.000
Mercury	water dissolved (ug/L)	C	91.2	444	39	405	0.001	0.4	0.001	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000
Motor Oil	sediment (ug/Kg)	A	0	22	22	0	820000	1.70E+07	-	-	7637272.7	862692.1	5946427.2	9328118.3	4600000	8100000	1.00E+07	1.20E+07	4046384.8	-	-	-	-	-	-	0.9	-	-	-	reject Ho	0.659
Motor Oil	water (ug/L)	A	18.1	105	86	19	200	5800	200	500	1195.1	97.5	1004.1	1386.2	490	930	1600	2500	998.9	-	-	-	-	-	-	1.0	0.00022137	16.831344	2	do not reject Ho	0.146
Naphthalene	sediment (ug/Kg)	A	40.5	79	47	32	1.02	6900	0.1	530	436.5	108.7	223.5	649.6	1.56	23.5	520	1200	966.2	-	-	-	-	-	-	1.0	1.70E-07	34.31153255	3	reject Ho	0.177
Naphthalene	water (ug/L)	B	62.9	628	233	395	0.004	2.2	0.005	2.1	-	-	-	-	-	-	-	-	-	0.1	0.0074	0.0166	0.0410	0.1023	0.2	1.0	-	-	-	reject Ho	0.112
Nitrite-Nitrate	water dissolved (ug/L)	A	3.9	584	561	23	12	58000	10	770	548.2	101.0	350.2	746.2	129	245	543	1090	2441.4	-	-	-	-	-	-	1.0	5.84E-14	64.69238153	3	do not reject Ho	0.000
o-Cresol	sediment (ug/Kg)	C	81.4	43	8	35	5.66	67	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.402
Oil and grease	water (ug/L)	C	94.3	35	2	33	500	670	500	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.401
Ortho-phosphate	water dissolved (ug/L)	A	7.8	590	544	46	4	270	3	22.3	32.2	1.4	29.5	35.0	11	21.6	38.6	70	33.8	-	-	-	-	-	-	1.0	1.03E-14	68.20924385	3	do not reject Ho	0.002
p-Cresol	sediment (ug/Kg)	A	23.3	43	33	10	2.46	24100	1	440	1467.7	686.8	121.7	2813.7	13.3	180	605	2380	4503.4	-	-	-	-	-	-	1.0	0.00790293	11.85331109	3	do not reject Ho	0.136
p-Cresol	water (ug/L)	C	92.3	26	2	24	0.354	0.362	0.047	0.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.485
PCB-aroclor 1016	sediment (ug/Kg)	C	100	33	0	33	-	-	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
PCB-aroclor 1016	water (ug/L)	C	100	27	0	27	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
PCB-aroclor 1221	sediment (ug/Kg)	C	100	33	0	33	-	-	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
PCB-aroclor 1221	water (ug/L)	C	100	27	0	27	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
PCB-aroclor 1232	sediment (ug/Kg)	C	100	33	0	33	-	-	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
PCB-aroclor 1232	water (ug/L)	C	100	27	0	27	-	-	0.01	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
PCB-aroclor 1242	sediment (ug/Kg)	C	100	33	0	33	-	-	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
PCB-aroclor 1242	water (ug/L)	C	100	27	0	27	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
PCB-aroclor 1248	sediment (ug/Kg)	C	93.9	33	2	31	38	45	0.05	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.453
PCB-aroclor 1248	water (ug/L)	C	96.3	27	1	26	0.014	0.014	0.01	0.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.552
PCB-aroclor 1254	sediment (ug/Kg)	B	54.5	33	15	18	5.9	650	0.05	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	do not reject Ho	0.017
PCB-aroclor 1254	water (ug/L)	A	48.1	27	14	13	0.01	0.058	0.005	0.05	0.0	0.0	0.0	0.0	-	0.011	0.022	0.032	0.0	-	-	-	-	-	-	1.0	1.36E-07	31.6175913	2	do not reject Ho	0.799
PCB-aroclor 1260	sediment (ug/Kg)	B	72.7	33	9	24	7.2	120	0.05	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	-	-	-	reject Ho	0.299
PCB-aroclor 1260	water (ug/L)	B	74.1	27	7	20	0.01	0.038	0.01	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	do not reject Ho	0.439
Pentachlorophenol	sediment (ug/Kg)	B	75.3	77	19	58	7.8	17800	1	3500	-	-	-	-	-	-	-	-	-	287.2	4.2220	11.1807	35.0348	203.0000	2026.7	1.0	-	-	-	do not reject Ho	0.509
Pentachlorophenol	water (ug/L)	B	74.6	591	150	441	0.02	5.1	0.02	5.6	-	-	-	-	-	-	-	-	-	0.2	0.0225	0.0607	0.1502	0.3764	0.3	1.0	-	-	-	do not reject Ho	0.807
pH	water (pH)	A	0	224	224	0	5.6	8.26	-	-	6.9	0.0	6.8	7.0	6.6	7	7.21	7.4	0.4	-	-	-	-	-	-	1.0	0.00016844	17.37782953	2	reject Ho	0.856
Phenanthrene	sediment (ug/Kg)	A	6.4	78	73	5	2.16	250000	0.1	500	24296.9	5575.1	13369.9	35223.8	200	950	30000	79000	49237.8	-	-	-	-	-	-	1.0	1.92E-05	24.54661725	3	reject Ho	0.091
Phenanthrene	water (ug/L)	A	48.2	633	328	305	0.006	16	0.003	1.1	0.2	0.1	0.1	0.3	0.015	0.026	0.0767	0.21	1.3	-	-	-	-	-	-	1.0	1.33E-25	118.9085045	3	reject Ho	0.557
Phenol	sediment (ug/Kg)	B	57.1	49	21	28	4.52	1200	1	1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	do not reject Ho	0.293
Phenol	water (ug/L)	B	69.2	26	8	18	0.098	2.16	0.047	0.056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	do not reject Ho	0.131
Precipitation	water (in)	A	0	589	589	0	0.06	4.38	-	-	0.6	0.0	0.6	0.7	0.32	0.49	0.81	1.21	0.5	-	-	-	-	-	-	1.0	0.03410517	10.40680933	4	do not reject Ho	0.000
Prometon	sediment (ug/Kg)	C	100	15	0	15	-	-	0.1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000
Prometon	water (ug/L)	C	96.4	607	22	585	0.024	3.21	0.005	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.242
Pyrene	sediment (ug/Kg)	A	5.1	79	75	4	1.37	490000	1	500	41626.4	9549.4	22910.0	60342.7	370	1800	56000	110000	84876.5	-	-	-	-	-	-	1.0	7.27E-06	26.56366903	3	reject Ho	0.030
Pyrene	water (ug/L)	A	36.7	633	401	232	0.007	26	0.0094	1.1	0.4	0.1	0.3	0.6	0.021	0.048	0.18	0.43	2.2	-	-	-	-	-	-	1.0	4.05E-34	158.4054438	3	reject Ho	0.032
Sampled-Event Flow Volume	water (m3)	A	0	600	600	0	2	201358.483	-	-	4133.7	684.1	2792.9	5474.6	65.7	367.90281	1445.572711	5356.405888	16757.2	-	-	-	-	-	-	1.0	3.63E-07	32.75280526	3	do not reject Ho	0.009
Sand	sediment (%)	A	0	73	73	0	5.3	150.8	-	-	74.6	3.2	68.4	80.8	63.9	77.3	85.1	93.8	27.0	-	-	-	-	-	-	0.8	0.24326441	4.17413343	3	reject Ho	0.406
Solids	sediment (%)	A	0	82	82	0	0.2	97.8	-	-	49.0	2.1	45.0	53.1	39.4	47.3	62.3	71	18.6	-	-	-	-	-	-	0.7	0.93408982	0.429468973	3	reject Ho	0.310
Storm Event Flow Volume	water (m3)	A	0	622	622	0	2.2	336888.349	-	-	5687.3	961.5	3802.8	7571.8	85.1203008	449.9482886	2038.964493	7604.759808	23979.6	-	-	-	-	-	-	1.0	4.05E-06	27.77325755	3	do not reject Ho	0.003
Surfactants	water (ug/L)	A	36.6	607	385	222	17	920	16	96	74.1	3.7	66.8	81.5	19	47	88	150	92.3	-	-	-	-	-	-	1.0	5.38E-19	88.18125892	3	do not reject Ho	0.000
Toluene	water (ug/L)	C	97.5	120	3	117	1.1	2.07	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.315
Total Benzofluoranthenes	sediment (ug/Kg)	A	11.5	78	69	9	1.07	470000	0.1	220	44006.5	9907.0	24589.1	63423.9	237	1400	57000	160000	87496.4	-	-	-	-	-	-	1.0	5.46E-05	22.3705003	3	reject Ho	0.060
Total Benzofluoranthenes	water (ug/L)	B	61.7	634	243	391	0.005	26	0.003	2.2	-	-	-	-	-	-	-	-	-	0.4	0.0029	0.0160	0.1158	0.4740	2.1	1.0	-	-	-	do not reject Ho	0.834
Total Kjeldahl Nitrogen	water (ug/L)	A	10.4	585	524	61	100	25000	30	600	1198.1	68.0	1064.8	1331.5	500	863	1370	2080	1645.7	-	-	-	-	-	-	1.0	1.13E-06	30.41235038	3	reject Ho	0.000
Total Organic Carbon	sediment (%)	A	0	80	80	0	0.00164	68	-	-	12.7	1.2	10.4	15.0	5.62	11	17.5	20.7	10.3	-	-	-	-	-	-	0.8	0.02092587	9.738399478	3	reject Ho	0.983
Total PAH	sediment (ug/Kg)	A	1.2	86	85	1	4.1	2990960	220	220	265874.4	59642.6	148977.1	382771.7	1558	6728	312120	878250	553102.4	-	-	-	-	-	-	1.0	2.99E-06	28.40276275	3	reject Ho	0.113
Total PAH	water (ug/L)	A	27	634	463	171	0.021	172.52	0.0094	2.2	2.7	0.6	1.7	3.8	0.063	0.162	0.82	2.906	13.9	-	-	-	-	-	-	1.0	5.81E-30	139.1329196	3	reject Ho	0.114
Total PCB	sediment (ug/Kg)	A	48.5	33	17	16	8.48	770	0.05	51	80.7	27.0	27.7	133.6	-	9.6	62	230	155.2	-	-	-	-	-	-	1.0	0.24275997	4.179127227	3	do not reject Ho	0.027
Total PCB	water (ug/L)	A	44.4	27	15	12	0.01	0.096	0.01	0.025	0.0	0.0	0.0	0.0	-	0.011	0.024	0.043	0.0	-	-	-	-	-	-	1.0	7.30E-07	28.26076536	2	do not reject Ho	0.869
Total Phosphorus	sediment (ug/Kg)	A	0	3	3	0	35000	1850000	-	-	845333.3	532879.1	-199090.5	1889757.1	35000	651000	-	-	922973.6	-	-	-	-	-	-	-	-	-	-	-	NA
Total Phosphorus	water (ug/L)	A	3.3	605	585	20	8	4600	5	137	155.6	9.2	137.6	173.6	56	110	196	312	225.8	-	-	-	-	-	-	1.0	2.36E-07	33.64372947	3	do not reject Ho	0.000
Total Phthalate	sediment (ug/Kg)	A	11.9	67	59	8	21.5	94000	20	2200	7781.5	1653.1	4541.4	11021.6	628	3970	11800	20200	13531.5	-	-	-	-	-	-	0.9	0.00341107	13.65710613	3	reject Ho	0.700
Total Phthalate	water (ug/L)	A	23.5	634	485	149	0.032	41.4	0.407	5.8	2.4	0.2	2.1	2.7	0.516	1.16	2.44	5.8	3.9	-	-	-	-	-	-	1.0	1.65E-34	160.208624	3	do not reject Ho	0.770
Total Suspended Solids	water (ug/L)	A	0.6	625	621	4	1000	47000000	500	5000	63115.3	7986.8	47461.4	78769.1	14100	31000	67000	135000	199669.7	-	-	-	-	-	-	1.0	1.45E-12	58.1589851	3	do not reject Ho	0.544
Total TPHDx	sediment (ug/Kg)	A	0	38	38	0	120000	23700000	-	-	6714868.4	965853.6	4821830.1	8607906.8	2250000	4300000	10800000	14200000	5953921.8	-	-	-	-	-	-	1.0	0.00451728	10.79969235	2	reject Ho	0.297
Total TPHDx	water (ug/L)	A	27.3	579	421	158	14	12100	70	570	969.8	59.8	852.6	1087.1	120	433	1200	2540	1439.7	-	-	-	-	-	-	1.0	4.32E-21	97.93292851	3	do not reject Ho	0.000
Total Xylenes	water (ug/L)	C	99.2	120	1	119	1.73	1.73	1	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.562
TPHGx	water (ug/L)	C	97.1	35	1	34	50	50	50	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.579
Triclopyr	sediment (ug/Kg)	C	91.7	12	1	11	310	310	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.564
Triclopyr	water (ug/L)	C	89	575	63	512	0.02	18.3	0.05	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.005
Turbidity	water (NTU)	A	0	548	548	0	0.98	500	-	-	32.0	2.0	28.1	35.8	7.1	17.3	34.4	78.6	45.9	-	-	-	-	-	-	1.0	1.82E-14	67.05979077	3	do not reject Ho	0.249
Zinc	sediment (ug/Kg)	A	0	80	80	0	366	9250000	-	-	548766.3	119350.3	314844.1	782688.6	128000	373000	602000	960000	1067501.3	-	-	-	-	-	-	0.9	4.21E-07	32.44821778	3	reject Ho	0.470
Zinc	water (ug/L)	A	1	630	624	6	1.4	1290	0.5	1	103.5	5.4	93.0	114.0	29	70.6	129	213	134.3	-	-	-	-	-	-	1.0	1.02E-61	286.0888757	3	do not reject Ho	0.000
Zinc	water dissolved (ug/L)	A	2.6	608	592	16	0.219	1090	0.5	36.5	53.4	4.3	45.1	61.8	13.1	26.9	49	110	105.0	-	-	-	-	-	-	1.0	3.65E-42	195.6624673	3	reject Ho	0.000

Table G-2. Statistical summary of contaminant concentrations by parameter, media and land use.

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)								
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value
1-Methylnaphthalene sediment (ug/Kg)	COM	A	48.6	37	19	18	5.3	870	0.1	690	161.5558	40.90559	81.38229	241.7292	10.2	41.4	220	570	248.819	-	-	-	-	-	-	-	0.508322738
1-Methylnaphthalene water (ug/L)	COM	C	96.8	155	5	150	0.14	1.6	0.1	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.223148227
2-Methylnaphthalene sediment (ug/Kg)	COM	A	37.8	45	28	17	8.7	1500	0.1	690	188.81	42.89598	104.7355	272.8846	36.2	74	260	540	287.755	-	-	-	-	-	-	-	0.825883099
2-Methylnaphthalene water (ug/L)	COM	B	79.1	278	58	220	0.004	2.5	0.003	2.1	-	-	-	-	-	-	-	-	-	0.060051	0.001728416	0.006727	0.023859378	0.082366999	0.229618	-	0.665662919
2-Nitrophenol sediment (ug/Kg)	COM	C	100	12	0	12	NA	NA	5	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4-D sediment (ug/Kg)	COM	C	100	4	0	4	NA	NA	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
2,4-D water (ug/L)	COM	C	87.7	260	32	228	0.05	3.54	0.05	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000742328
2,4-Dichlorophenol sediment (ug/Kg)	COM	C	100	13	0	13	NA	NA	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4-Dimethylphenol sediment (ug/Kg)	COM	C	84.2	19	3	16	6.1	17.4	5	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.186851707
2,4,5-Trichlorophenol sediment (ug/Kg)	COM	C	100	13	0	13	NA	NA	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4,6-Trichlorophenol sediment (ug/Kg)	COM	C	100	12	0	12	NA	NA	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
4-Chloro-3-Methylphenol sediment (ug/Kg)	COM	C	91.7	12	1	11	83.6	83.6	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.527089257
4-Nitrophenol sediment (ug/Kg)	COM	C	100	12	0	12	NA	NA	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Acenaphthene sediment (ug/Kg)	COM	A	23.9	46	35	11	8.7	8900	0.1	530	1563.616	329.7705	917.2777	2209.954	17.3	590	2100	5400	2236.612	-	-	-	-	-	-	-	0.168996844
Acenaphthene water (ug/L)	COM	C	88.1	278	33	245	0.003	1.5	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.688673384
Acenaphthylene sediment (ug/Kg)	COM	A	43.5	46	26	20	15.8	3600	0.1	530	402.7859	94.15908	218.2375	587.3343	-	210	570	1100	638.618	-	-	-	-	-	-	-	0.108363293
Acenaphthylene water (ug/L)	COM	C	92.8	278	20	258	0.003	1.5	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.501620042
Ammonia water (ug/L)	COM	A	0	24	24	0	10	1260	NA	NA	192.4167	49.9772	94.46315	290.3702	80	123	194	324	244.8373	-	-	-	-	-	-	-	0.125122387
Anthracene sediment (ug/Kg)	COM	A	10.9	46	41	5	17	33000	0.1	530	6500.311	1253.145	4044.193	8956.43	85	2600	8200	19000	8499.241	-	-	-	-	-	-	-	0.169242332
Anthracene water (ug/L)	COM	C	82	278	50	228	0.004	5.4	0.004	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.014171657
Arsenic water dissolved (ug/L)	COM	A	0	1	1	0	0.42	0.42	NA	NA	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Benz(a)anthracene sediment (ug/Kg)	COM	A	0	42	42	0	9.4	210000	NA	NA	35083.11	7191.462	20988.1	49178.12	520	24000	42000	110000	46606	-	-	-	-	-	-	-	0.325224075
Benz(a)anthracene water (ug/L)	COM	B	61.5	239	92	147	0.006	11	0.002	0.5	-	-	-	-	-	-	-	-	-	0.417237	0.001594614	0.009315	0.11	0.728	1.546769	-	0.055943402
Benzene water (ug/L)	COM	C	97.2	36	1	35	2.6	2.6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.592980098
Benzo(a)pyrene sediment (ug/Kg)	COM	A	2.2	46	45	1	16.2	260000	0.1	0.1	39089.83	8141.3	23133.18	55046.49	316	20000	45000	120000	55216.98	-	-	-	-	-	-	-	0.168574574
Benzo(a)pyrene water (ug/L)	COM	B	60.6	277	109	168	0.004	15	0.004	0.99	-	-	-	-	-	-	-	-	-	0.452407	0.002960029	0.012784	0.14	0.958	1.712295	-	0.047571021
Benzo(b)fluoranthene sediment (ug/Kg)	COM	A	3.8	26	25	1	88.9	240000	0.1	0.1	31530.84	10486.75	10977.18	52084.49	174	1300	40000	100000	53472.15	-	-	-	-	-	-	-	0.57506213
Benzo(b)fluoranthene water (ug/L)	COM	B	53.7	164	76	88	0.0227	13	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.68876	0.014010981	0.062468	0.275	1.434	1.992365	-	0.082458728
Benzo(b,k)fluoranthene sediment (ug/Kg)	COM	A	0	3	3	0	1400	1700	NA	NA	1566.667	88.19171	1393.814	1739.519	1400	1600	-	-	152.7525	-	-	-	-	-	-	-	NA
Benzo(b,k)fluoranthene water (ug/L)	COM	A	35.7	42	27	15	0.011	0.315	0.003	0.021	0.034018	0.008357	0.017638	0.050399	0.011	0.016	0.027	0.096	0.054163	-	-	-	-	-	-	-	0.182493483
Benzo(g,h,i)perylene sediment (ug/Kg)	COM	A	0	44	44	0	4	160000	NA	NA	27363.32	5530.539	16523.67	38202.98	540	12000	39000	80000	36685.44	-	-	-	-	-	-	-	0.127089226
Benzo(g,h,i)perylene water (ug/L)	COM	A	46.6	277	148	129	0.006	12	0.006	0.5	0.393745	0.081037	0.234915	0.552575	0.008	0.037	0.2	0.69	1.348727	-	-	-	-	-	-	-	0.169024156
Benzo(k)fluoranthene sediment (ug/Kg)	COM	A	7.7	26	24	2	10.2	230000	0.1	530	29152.08	9902.883	9742.789	48561.38	117	1100	40000	88000	50494.99	-	-	-	-	-	-	-	0.879749304
Benzo(k)fluoranthene water (ug/L)	COM	B	64.6	164	58	106	0.018	13	0.0094	0.99	-	-	-	-	-	-	-	-	-	0.630813	0.004940989	0.023023	0.15675	1.17	1.981958	-	0.046733468
Benzofluoranthenes, Total sediment (ug/Kg)	COM	A	0	26	26	0	177	340000	NA	NA	107719.2	18025.85	72389.21	143049.2	50000	73000	160000	260000	91914.16	-	-	-	-	-	-	-	0.427264572
Benzofluoranthenes, Total water (ug/L)	COM	A	41.7	72	42	30	0.0666	5.7	0.0094	1	0.556592	0.112601	0.335898	0.777286	0.0666	0.14	0.46	1.6	0.955452	-	-	-	-	-	-	-	0.115918534
Biochemical Oxygen Demand water (ug/L)	COM	A	9.5	242	219	23	1100	68000	1000	15000	8478.551	606.7585	7289.326	9667.776	3300	5600	9700	17000	9438.947	-	-	-	-	-	-	-	2.85331E-06
Bis(2-ethylhexyl) phthalate sediment (ug/Kg)	COM	A	0	23	23	0	1960	19300	NA	NA	9444.348	1121.042	7247.146	11641.55	4900	8220	13000	19000	5376.328	-	-	-	-	-	-	-	0.31466439
Bis(2-ethylhexyl) phthalate water (ug/L)	COM	A	22.8	267	206	61	0.43	41.4	0.642	7.42	3.289786	0.283491	2.734155	3.845417	1.19	1.86	3.9	6.59	4.632275	-	-	-	-	-	-	-	0.903960278
BTEX water (ug/L)	COM	C	97.2	36	1	35	6.4	6.4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.592980098
Butyl benzyl phthalate sediment (ug/Kg)	COM	A	37.5	24	15	9	80	2660	1	1300	543.1825	136.0881	276.4548	809.9102	80	260	740	1200	666.6926	-	-	-	-	-	-	-	0.387628189
Butyl benzyl phthalate water (ug/L)	COM	B	74.4	277	71	206	0.069	2.82	0.047	2.1	-	-	-	-	-	-	-	-	-	0.31907	0.149645648	0.247218	0.41	0.613287573	0.269145	-	0.479457458
Cadmium sediment (ug/Kg)	COM	A	4.3	46	44	2	0.781	4900	300	401	1247.634	142.8808	967.5929	1527.675	651	1070	1480	2540	969.0649	-	-	-	-	-	-	-	0.592702255
Cadmium water (ug/L)	COM	A	16.5	278	232	46	0.026	10.1	0.025	1	0.381203	0.066253	0.25135	0.511055	0.09	0.17	0.27	0.425	1.10465	-	-	-	-	-	-	-	7.5714E-07
Cadmium water dissolved (ug/L)	COM	A	39.3	275	167	108	0.015	0.968	0.02	0.4	0.072185	0.005307	0.061783	0.082586	0.03	0.05	0.08	0.142	0.088006	-	-	-	-	-	-	-	7.79021E-07
Calcium water (ug/L)	COM	A	0	152	152	0	620	146000	NA	NA	7767.895	1025.677	5757.604	9778.185	2680	5880	9230	14800	12645.4	-	-	-	-	-	-	-	0.207277882
Calcium water dissolved (ug/L)	COM	A	0	2	2	0	1640	2500	NA	NA	2070	430	1227.215	2912.785	1640	-	-	-	608.1118	-	-	-	-	-	-	-	NA
Chloride water (ug/L)	COM	A	0.9	227	225	2	200	1080000	100	250	18006.22	6045.262	6157.724	29854.72	1500	3200	7200	19000	91081.06	-	-	-	-	-	-	-	0.772771214
Chlorpyrifos sediment (ug/Kg)	COM	C	95.2	21	1	20	15	15	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.317310508
Chlorpyrifos water (ug/L)	COM	C	100	273	0	273	NA	NA	0.006	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Chrysene sediment (ug/Kg)	COM	A	0	46	46	0	51.4	280000	NA	NA	42877.05	8921.633	25390.97	60363.13	840	21000	58000	150000	60509.46	-	-	-	-	-	-	-	0.125857472
Chrysene water (ug/L)	COM	A	36.7	278	176	102	0.006	16	0.003	0.5	0.540627	0.112808	0.319528	0.761727	0.014	0.0874	0.219	0.97	1.880886	-	-	-	-	-	-	-	0.434187405
Conductivity water (uS/cm)	COM	A	0.4	276	275	1	5.3	4020	18	18	155.2137	29.92779	96.55636	213.8711	29.3	55.8	99	173	497.1978	-	-	-	-	-	-	-	0.064537523
Copper sediment (ug/Kg)	COM	A	0	45	45	0	156	1260000	NA	NA	231249.2	37561.08	157630.9	304867.6	84400	157000	289000	452000	251967.4	-	-	-	-	-	-	-	0.106209082
Copper water (ug/L)	COM	A	0	282	282	0	2.1	218	NA	NA	26.51681	1.5263	23.52532	29.5083	9.5	19.6	35.4	55.3	25.63093	-	-	-	-	-	-	-	4.10291E-06
Copper water dissolved (ug/L)	COM	A	1.9	270	265	5	1.06	122	0.613	12.5	9.857731	0.825033	8.240696	11.47477	3.1	6.25	10.7	19.8	13.55668	-	-	-	-	-	-	-	5.66536E-22
CPAH sediment (ug/Kg)	COM	A	0	48	48	0	233.5	1453000	NA	NA	176651	39185.31	99849.2	253452.8	1620	80300	253000	547000	271483.8	-	-	-	-	-	-	-	0.25586752
CPAH water (ug/L)	COM	A	33.5	278	185	93	0.006	83.3	0.0094	0.5	2.606048	0.589577	1.450499	3.761597	0.04	0.0987	0.86	3.98	9.830208	-	-	-	-	-	-	-	0.361026967
Di-N-Octyl Phthalate sediment (ug/Kg)	COM	B	60.9	23	9	14	116	1450	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.424448064
Di-N-Octyl Phthalate water (ug/L)	COM	C	85.9	277	39	238	0.115	3.19	0.018	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.290573965
Diazinon sediment (ug/Kg)	COM	C	95	20	1	19	17	17	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37109337
Diazinon water (ug/L)	COM	C	99.3	273	2	271	0.03	0.51	0.005	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.477965292
Dibenzo(a,h)anthracene sediment (ug/Kg)	COM	A	13	46	40	6	6.54	73000	0.1	530	10862.56	2233.469	6485.036	15240.08	93	4600	16000	31000	15148.13	-	-	-	-	-	-	-	0.301957761
Dibenzo(a,h)anthracene water (ug/L)	COM	B	78.4	278	60	218	0.005	5.3	0.003	2.1	-	-	-	-	-	-	-	-	-	0.175258	0.002990305	0.011813	0.055583768	0.393	0.57232	-	0.002077278
Dibutyl phthalate sediment (ug/Kg)	COM	B	58.3	24	10	14	44.7	2070	79	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.298361502
Dibutyl phthalate water (ug/L)	COM	B	72.6	277	76	201	0.046	5.08	0.024	2	-	-	-	-	-	-	-	-	-	0.255534	0.107526659	0.187878	0.31	0.4538	0.351872	-	0.010880397
Dichlobenil sediment (ug/Kg)	COM	A	20	5	4	1	20.5	100	0.1	0.1	43	15.62135	12.38271	73.61729	20.5	26	48	-	34.93041	-	-	-	-	-	-	-	0.205903211
Dichlobenil water (ug/L)	COM	B	66.8	262	87	175	0.012	0.92	0.017	1	-	-	-	-	-	-	-	-	-	0.059368	0.010021603	0.02183	0.047	0.1366	0.12486	-	0.335558004
Diesel Fuel sediment (ug/Kg)	COM	A	0	22	22	0	430000	6700000	NA	NA	2440000	388338.1	1678871	3201129	1.00E+06	2000000	3500000	4400000	1821467	-	-	-	-	-	-	-	0.389114214
Diesel Fuel water (ug/L)	COM	B	53.2	77	36	41	100	4900	100	250	-	-	-	-	-	-	-	-	-	301.9692	42.37288686	103.321	320	654	626.5215	-	0.083388103
Diesel Range Organics sediment (ug/Kg)	COM	A	50	6	3	3	130000	220000	50000	5.00E+05	157500	22655.71	113095.6	201904.4	-	130000	150000	220000	55494.93	-	-	-	-	-	-	-	0.220671362
Diesel Range Organics water (ug/L)	COM	A	37.1	167	105	62	36	4900	30	570	577.2331	57.018	465.4799	688.9864	36	360	840	1300	736.835	-	-	-	-	-	-	-	0.000243694
Diethyl phthalate sediment (ug/Kg)	COM	C	91.3	23	2	21	82	123	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.386444123
Diethyl phthalate water (ug/L)	COM	B	73.7	278	73	205	0.0609	3.7	0.024	2.9	-	-	-	-	-	-	-	-	-	0.257223	0.119762457	0.181481	0.28856453	0.460981523	0.307728	-	0.08722887
Dimethyl phthalate sediment (ug/Kg)	COM	B	65.2	23	8	15	93	628	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77658218
Dimethyl phthalate water (ug/L)	COM	C	87.1	278	36	242	0.027	2.8	0.024	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000912061
Ethylbenzene water (ug/L)	COM	C	100	36	0	36	NA	NA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Fecal coliform water (cfu/100mL)	COM	A	3.2	251	243	8	1	1100000	1	4	7198.072	4391.696	-1409.49	15805.64	100	515	2600	6900	69577.55	-	-	-	-	-	-	-	0.059673447
Fines sediment (%)	COM	A	0	43	43	0	3.5	106.6	NA	NA	35.32535	3.797196	27.88298	42.76772	17.8	29.4	43.8	78.09	24.89988	-	-	-	-	-	-	-	0.397146532
Fluoranthene sediment (ug/Kg)	COM	A	0	46	46	0	72.7	590000	NA	NA	96581.47	20943.43	55533.1	137629.8	951	43000	110000	300000	142045.3	-	-	-	-	-	-	-	0.158940904
Fluoranthene water (ug/L)	COM	A	27.4	277	201	76	0.018	33	0.0094	0.5	1.017451	0.232087	0.562569	1.472334	0.0385	0.1	0.34	1.3	3.862703	-	-	-	-	-	-	-	0.851954252
Fluorene sediment (ug/Kg)	COM	A	17.4	46	38	8	19.3	14000	0.1	530	2504.106	511.4593	1501.664	3506.547	40.3	1000	3500	7900	3468.885	-	-	-	-	-	-	-	0.226057365
Fluorene water (ug/L)	COM	C	84.5	278	43	235	0.005	1.6	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58022806

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)								
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value
Gasoline Range Organics water (ug/L)	COM	C	90.4	187	18	169	11.5	115	10	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.112561387
Gravel sediment (%)	COM	A	4.7	43	41	2	0	42.5	0.1	0.1	6.774419	1.19167	4.438788	9.110049	1.9	5.6	7.6	17.5	7.814304	-	-	-	-	-	-	-	-	0.01728004
Hardness as CaCO3 water (ug/L)	COM	A	0.7	281	279	2	1900	1030000	10000	10000	34467.76	4662.639	25329.16	43606.37	10000	22400	33000	49000	78160.08	-	-	-	-	-	-	-	-	0.164768851
Heavy Fuel Oil sediment (ug/Kg)	COM	A	0	6	6	0	2100000	5040000	NA	NA	3683333	414444.7	2871037	4495630	3390000	3470000	4500000	-	1015178	-	-	-	-	-	-	-	-	0.83117041
Heavy Fuel Oil water (ug/L)	COM	A	6.1	99	93	6	82	9000	100	500	1625.655	162.5284	1307.105	1944.205	650	980	2000	3900	1617.137	-	-	-	-	-	-	-	-	0.385510696
HPAH sediment (ug/Kg)	COM	A	0	50	50	0	370.9	2683000	NA	NA	403191.8	84269.19	238027.2	568356.3	3370	137300	588000	1273000	595873.2	-	-	-	-	-	-	-	-	0.31498159
HPAH water (ug/L)	COM	A	21.7	277	217	60	0.034	154.3	0.0094	1	5.01292	1.096909	2.863018	7.162823	0.094	0.372	1.83	8.39	18.25621	-	-	-	-	-	-	-	-	0.867202641
Indeno(1,2,3-cd)pyrene sediment (ug/Kg)	COM	A	2.2	46	45	1	19.4	160000	40	40	25078.59	5160.82	14963.57	35193.61	400	11000	36000	77000	35002.39	-	-	-	-	-	-	-	-	0.163066976
Indeno(1,2,3-cd)pyrene water (ug/L)	COM	B	60.8	278	109	169	0.004	10	0.004	0.99	-	-	-	-	-	-	-	-	-	0.338755	0.002603832	0.012	0.12975	0.718	1.178547	-	-	0.017203825
Lead sediment (ug/Kg)	COM	A	0	46	46	0	416	1790000	NA	NA	289940.1	42421.31	206795.9	373084.4	131000	214000	418000	540000	287715.3	-	-	-	-	-	-	-	-	0.756567444
Lead water (ug/L)	COM	A	0	279	279	0	0.1	294	NA	NA	26.32331	2.140061	22.12887	30.51775	5.53	14.4	33	58.9	35.74606	-	-	-	-	-	-	-	-	0.006517382
Lead water dissolved (ug/L)	COM	A	7.3	274	254	20	0.0311	21.8	0.037	1	1.472341	0.187543	1.104764	1.839919	0.146	0.32	1.1	3.81	3.104389	-	-	-	-	-	-	-	-	6.45988E-07
LPAH sediment (ug/Kg)	COM	A	2.1	48	47	1	50.5	307500	0.1	0.1	50258.44	10601.64	29479.6	71037.28	428	11590	55070	177190	73450.35	-	-	-	-	-	-	-	-	0.257942893
LPAH water (ug/L)	COM	A	28.4	278	199	79	0.009	24.3	0.0094	0.99	0.778683	0.157589	0.469815	1.087551	0.0372	0.11	0.2493	1.2	2.627529	-	-	-	-	-	-	-	-	0.302023535
Lube Oil water (ug/L)	COM	A	5.6	36	34	2	194	1550	190	570	656.6003	56.14588	546.5564	766.6442	419	554	841	1080	336.8753	-	-	-	-	-	-	-	-	0.796517846
Magnesium water (ug/L)	COM	A	0	152	152	0	90	15000	NA	NA	1891.961	159.4045	1579.533	2204.388	510	1510	2680	3560	1965.27	-	-	-	-	-	-	-	-	0.741040652
Magnesium water dissolved (ug/L)	COM	A	0	2	2	0	210	310	NA	NA	260	50	162.0018	357.9982	210	-	-	-	70.71068	-	-	-	-	-	-	-	-	NA
Malathion sediment (ug/Kg)	COM	C	95.2	21	1	20	16	16	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37109337
Malathion water (ug/L)	COM	C	98.2	272	5	267	0.042	0.2	0.008	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.179494918
Mecoprop sediment (ug/Kg)	COM	C	100	4	0	4	NA	NA	10	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Mecoprop water (ug/L)	COM	C	94.5	271	15	256	0.04	26.8	0.02	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.047415484
Mercury sediment (ug/Kg)	COM	A	13	46	40	6	10	290	5	61	127.8293	11.75656	104.7869	150.8718	50	130	200	220	79.73688	-	-	-	-	-	-	-	-	0.70112454
Mercury water (ug/L)	COM	B	69	277	86	191	0.002	0.4	0.02	0.2	-	-	-	-	-	-	-	-	-	0.020664	0.006	0.011524	0.023831988	0.043203926	0.03261	-	-	0.000614659
Mercury water dissolved (ug/L)	COM	C	86.8	266	35	231	0.001	0.4	0.001	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001093446
Motor Oil sediment (ug/Kg)	COM	A	0	22	22	0	820000	1.70E+07	NA	NA	7637273	862692.1	5946427	9328118	4600000	8100000	10000000	12000000	4046385	-	-	-	-	-	-	-	-	0.659350299
Motor Oil water (ug/L)	COM	A	25	64	48	16	200	5800	200	500	1100.268	141.8542	822.2386	1378.297	300	620	1600	2500	1134.834	-	-	-	-	-	-	-	-	0.034034209
Naphthalene sediment (ug/Kg)	COM	A	17.4	46	38	8	5.4	6900	0.1	530	739.6687	173.5136	399.5883	1079.749	21	390	1200	2100	1176.826	-	-	-	-	-	-	-	-	0.109582911
Naphthalene water (ug/L)	COM	B	63.8	276	100	176	0.004	2.2	0.006	2.1	-	-	-	-	-	-	-	-	-	0.078593	0.008607741	0.021387	0.060153185	0.15	0.216267	-	-	0.88889965
Nitrite-Nitrate water dissolved (ug/L)	COM	A	9.2	250	227	23	26	58000	10	770	501.7795	231.606	47.84004	955.7189	107	200	334	664	3662.012	-	-	-	-	-	-	-	-	1.73831E-11
o-Cresol sediment (ug/Kg)	COM	B	70	20	6	14	5.66	67	4	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39410769
Oil and grease water (ug/L)	COM	C	94.3	35	2	33	500	670	500	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.400814169
Ortho-phosphate water dissolved (ug/L)	COM	A	9.6	250	226	24	4	270	4	20.6	27.2213	2.046199	23.21082	31.23178	9	19.6	32	58	32.35325	-	-	-	-	-	-	-	-	0.073531125
p-Cresol sediment (ug/Kg)	COM	A	10	20	18	2	7.47	17000	4	440	1284.486	837.8354	-357.641	2926.613	140	380	670	860	3746.914	-	-	-	-	-	-	-	-	0.118979736
p-Cresol water (ug/L)	COM	B	75	8	2	6	0.354	0.362	0.047	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.579099742
PCB-aroclor 1016 sediment (ug/Kg)	COM	C	100	19	0	19	NA	NA	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1016 water (ug/L)	COM	C	100	8	0	8	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1221 sediment (ug/Kg)	COM	C	100	19	0	19	NA	NA	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1221 water (ug/L)	COM	C	100	8	0	8	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1232 sediment (ug/Kg)	COM	C	100	19	0	19	NA	NA	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1232 water (ug/L)	COM	C	100	8	0	8	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1242 sediment (ug/Kg)	COM	C	100	19	0	19	NA	NA	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1242 water (ug/L)	COM	C	100	8	0	8	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1248 sediment (ug/Kg)	COM	C	94.7	19	1	18	45	45	0.05	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.157299207
PCB-aroclor 1248 water (ug/L)	COM	C	87.5	8	1	7	0.014	0.014	0.01	0.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.317310508
PCB-aroclor 1254 sediment (ug/Kg)	COM	A	36.8	19	12	7	5.9	650	0.05	27	91.02039	36.31953	19.83542	162.2054	-	9.6	160	230	158.3132	-	-	-	-	-	-	-	-	0.252097196
PCB-aroclor 1254 water (ug/L)	COM	A	0	8	8	0	0.017	0.058	NA	NA	0.02975	0.004483	0.020963	0.038537	0.022	0.024	0.032	-	0.01268	-	-	-	-	-	-	-	-	0.360196133
PCB-aroclor 1260 sediment (ug/Kg)	COM	B	63.2	19	7	12	7.2	120	0.05	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.794500846
PCB-aroclor 1260 water (ug/L)	COM	A	50	8	4	4	0.013	0.038	0.01	0.02	0.0188	0.00388	0.011196	0.026404	-	0.013	0.015	-	0.010973	-	-	-	-	-	-	-	-	0.144679145
Pentachlorophenol sediment (ug/Kg)	COM	B	69.6	46	14	32	7.8	17800	1	3500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.863101016
Pentachlorophenol water (ug/L)	COM	B	59.5	262	106	156	0.07	5.1	0.094	2.5	-	-	-	-	-	-	-	-	-	0.295808	0.089856838	0.174184	0.349602948	0.6264	0.429667	-	-	0.583220991
pH water (pH)	COM	A	0	73	73	0	5.9	8.26	NA	NA	6.976712	0.04741	6.883791	7.069634	6.7	7.02	7.22	7.4	0.405069	-	-	-	-	-	-	-	-	0.753041218
Phenanthrene sediment (ug/Kg)	COM	A	2.2	46	45	1	44.1	250000	0.1	0.1	40752.05	8686.596	23726.63	57777.46	410	18000	51000	140000	58915.36	-	-	-	-	-	-	-	-	0.148189061
Phenanthrene water (ug/L)	COM	A	37.2	277	174	103	0.009	16	0.009	0.99	0.497783	0.114992	0.272404	0.723163	0.024	0.066	0.162	0.73	1.913843	-	-	-	-	-	-	-	-	0.354162496
Phenol sediment (ug/Kg)	COM	A	40.9	22	13	9	8.14	1200	33	1600	134.6936	60.6642	15.79399	253.5933	16	22.8	100	410	284.5403	-	-	-	-	-	-	-	-	0.294056671
Phenol water (ug/L)	COM	B	62.5	8	3	5	0.258	2.16	0.047	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.479500122
Precipitation water (in)	COM	A	0	216	216	0	0.06	4.38	NA	NA	0.621528	0.036542	0.549907	0.693149	0.3	0.44	0.74	1.19	0.537057	-	-	-	-	-	-	-	-	3.19546E-05
Prometon sediment (ug/Kg)	COM	C	100	5	0	5	NA	NA	0.1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Prometon water (ug/L)	COM	C	99.2	260	2	258	0.3	0.5	0.005	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.461698881
Pyrene sediment (ug/Kg)	COM	A	0	46	46	0	60.7	490000	NA	NA	70256.02	15082.88	40694.12	99817.91	1300	34000	89000	240000	102297.1	-	-	-	-	-	-	-	-	0.167961783
Pyrene water (ug/L)	COM	A	24.9	277	208	69	0.016	26	0.0094	0.5	0.883918	0.193286	0.505084	1.262752	0.041	0.144	0.371	1.03	3.216922	-	-	-	-	-	-	-	-	0.559220786
Sampled-Event Flow Volume water (m3)	COM	A	0	265	265	0	2.15	20929.51	NA	NA	1455.71	174.1803	1114.323	1797.098	30.6	287.9	1458.3152	4771.3808	2835.451	-	-	-	-	-	-	-	-	0.045398452
Sand sediment (%)	COM	A	0	43	43	0	46.1	150.8	NA	NA	78.15814	3.169456	71.94612	84.37016	63.9	77.8	85	91.5	20.78352	-	-	-	-	-	-	-	-	0.311131815
Solids sediment (%)	COM	A	0	47	47	0	3.3	79.2	NA	NA	47.98298	2.098789	43.86943	52.09653	40.1	48.1	56.7	67.4	14.38857	-	-	-	-	-	-	-	-	0.198294167
Storm Event Flow Volume water (m3)	COM	A	0	272	272	0	2.78609	24870.21	NA	NA	1684.009	197.9663	1296.002	2072.016	39.5311023	334.9623	1641.552731	5348.760352	3264.943	-	-	-	-	-	-	-	-	0.034118741
Surfactants water (ug/L)	COM	A	21.4	266	209	57	24	920	20	96	97.03104	6.603901	84.08763	109.9745	37	64	110	200	107.7064	-	-	-	-	-	-	-	-	6.13E-08
Toluene water (ug/L)	COM	C	97.2	36	1	35	2.07	2.07	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.592980098
Total Benzofluoranthenes sediment (ug/Kg)	COM	A	2.2	45	44	1	125.2	470000	0.1	0.1	75068.68	15662.92	44369.92	105767.4	510	36000	98000	220000	105070.1	-	-	-	-	-	-	-	-	0.216756572
Total Benzofluoranthenes water (ug/L)	COM	A	47.1	278	147	131	0.011	26	0.003	1	0.915804	0.187698	0.547922	1.283686	-	0.0407	0.37	1.9	3.129558	-	-	-	-	-	-	-	-	0.073558236
Total Kjeldahl Nitrogen water (ug/L)	COM	A	13.5	252	218	34	105	25000	30	600	1472.103	140.0976	1197.517	1746.689	570	1000	1690	2580	2223.981	-	-	-	-	-	-	-	-	6.09568E-10
Total Organic Carbon sediment (%)	COM	A	0	46	46	0	0.00164	46.8	NA	NA	14.24634	1.220049	11.85509	16.63759	8.18	13.9	18.2	21	8.274775	-	-	-	-	-	-	-	-	0.818551486
Total PAH sediment (ug/Kg)	COM	A	0	49	49	0	421.4	2990960	NA	NA	460723.5	95981.09	272604	648843	3800	163630	643170	1600040	671867.6	-	-	-	-	-	-	-	-	0.314029354
Total PAH water (ug/L)	COM	A	16.2	278	233	45	0.0378	172.52	0.1	1	5.767678	1.238969	3.339344	8.196012	0.132	0.53	2.21	10.67	20.65773	-	-	-	-	-	-	-	-	0.676684502
Total PCB sediment (ug/Kg)	COM	A	31.6	19	13	6	8.48	770	0.05	18	117.2327	44.52853	29.95843	204.5071	-	15	226	345	194.0954	-	-	-	-	-	-	-	-	0.18654645
Total PCB water (ug/L)	COM	A	0	8	8	0	0.017	0.096	NA	NA	0.04375	0.010196	0.023767	0.063733	0.022	0.032	0.043	-	0.028838	-	-	-	-	-	-	-	-	0.222469211
Total Phosphorus sediment (ug/Kg)	COM	A	0	3	3	0	35000	1850000	NA	NA	845333.3	532879.1	-199090	1889757	35000	651000	-	-	922973.6	-	-	-	-	-	-	-	-	NA
Total Phosphorus water (ug/L)	COM	A	4.7	258	246	12	10	873	5	42	160.6028	8.9926	142.9776	178.228	50	120	232	381	144.4425	-	-	-	-	-	-	-	-	0.004702724
Total Phthalate sediment (ug/Kg)	COM	A	7.1	28	26	2	435	21460	33	51	8695.036	1248.003	6248.995	11141.08	3970	6340	13562.7	20200	6603.81	-	-	-	-	-	-	-	-	0.684123334
Total Phthalate water (ug/L)	COM	A	18	278	228	50	0.2429	41.4	0.93	5.8	3.510126	0.284216	2.953073	4.067179	1.1	2	4.391	7.16	4.738826	-	-	-	-	-	-	-	-	0.520089125
Total Suspended Solids water (ug/L)	COM	A	0.4	271	270	1	1000	556000	1000	1000	69320.52	5080.75	59362.43	79278.6	16900	41000	83300	172000	83639.7	-	-	-	-	-	-	-	-	0.676165325
Total TPHDx sediment (ug/Kg)	COM	A	0	30	30	0	130000	23700000	NA	NA	8143333	1079079	6028378	10258289	3630000	5980000	12200000	14200000	5910358	-	-	-	-	-	-	-	-	0.941979518
Total TPHDx water (ug/L)	COM	A	19.8	252	202	50	100	12100	70	570	1470.147	117.5832	1239.688	1700.606	280	870	1960	3400	1866.576	-	-	-	-	-	-	-	-	0.022339038
Total Xylenes water (ug/L)	COM	C	97.2	36	1	35	1.73	1.73	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.592980098
TPHGx water (ug/L)	COM	C	97.1	35	1	34	50	50	50	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.579099742
Triclopyr sediment (ug/Kg)	COM	C	100	4	0	4	NA	NA	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)								
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value
Triclopyr water (ug/L)	COM	C	93.6	250	16	234	0.02	0.625	0.05	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001970211
Turbidity water (NTU)	COM	A	0	245	245	0	1.36	500	NA	NA	39.64433	3.777601	32.24036	47.04829	7.3	19	41.1	102	59.12881	-	-	-	-	-	-	-	-	0.028888481
Zinc sediment (ug/Kg)	COM	A	0	46	46	0	366	9250000	NA	NA	765871	199171.5	375502.1	1156240	331000	508000	765000	1060000	1350847	-	-	-	-	-	-	-	-	0.043929114
Zinc water (ug/L)	COM	A	0	275	275	0	8.6	1290	NA	NA	144.5495	9.220248	126.4781	162.6208	68.1	102	167	255	152.9005	-	-	-	-	-	-	-	-	9.56899E-08
Zinc water dissolved (ug/L)	COM	A	0	271	271	0	0.219	1030	NA	NA	74.23128	7.76726	59.00773	89.45483	24.3	37.4	63.8	133	127.8652	-	-	-	-	-	-	-	-	9.51405E-13
1-Methylnaphthalene sediment (ug/Kg)	HDR	C	100	7	0	7	NA	NA	0.1	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
1-Methylnaphthalene water (ug/L)	HDR	C	100	61	0	61	NA	NA	0.1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2-Methylnaphthalene sediment (ug/Kg)	HDR	B	62.5	16	6	10	1.12	52	0.1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.386627614
2-Methylnaphthalene water (ug/L)	HDR	C	85	180	27	153	0.003	0.25	0.003	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.276009443
2-Nitrophenol sediment (ug/Kg)	HDR	C	100	5	0	5	NA	NA	1	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4-D sediment (ug/Kg)	HDR	C	100	3	0	3	NA	NA	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4-D water (ug/L)	HDR	B	66.3	169	57	112	0.04	4.8	0.05	1.2	-	-	-	-	-	-	-	-	-	0.313796	0.017106993	0.05	0.21	0.804	0.749463	-	-	8.73623E-05
2,4-Dichlorophenol sediment (ug/Kg)	HDR	C	100	5	0	5	NA	NA	1	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4-Dimethylphenol sediment (ug/Kg)	HDR	C	100	11	0	11	NA	NA	1	2500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4,5-Trichlorophenol sediment (ug/Kg)	HDR	C	100	5	0	5	NA	NA	1	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4,6-Trichlorophenol sediment (ug/Kg)	HDR	C	100	5	0	5	NA	NA	1	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
4-Chloro-3-Methylphenol sediment (ug/Kg)	HDR	C	100	4	0	4	NA	NA	1	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
4-Nitrophenol sediment (ug/Kg)	HDR	C	100	4	0	4	NA	NA	1	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Acenaphthene sediment (ug/Kg)	HDR	B	68.8	16	5	11	12.2	210	0.1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.590746825
Acenaphthene water (ug/L)	HDR	C	95.6	180	8	172	0.003	0.1	0.003	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.293254013
Acenaphthylene sediment (ug/Kg)	HDR	C	100	16	0	16	NA	NA	0.1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Acenaphthylene water (ug/L)	HDR	C	93.9	180	11	169	0.005	0.022	0.003	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.445232668
Ammonia water (ug/L)	HDR	A	0	23	23	0	28	420	NA	NA	111.6957	19.11091	74.23895	149.1524	50	85	130	181	91.65272	-	-	-	-	-	-	-	-	0.15185674
Anthracene sediment (ug/Kg)	HDR	A	37.5	16	10	6	35	1550	1	500	183.7132	94.862	-2.21293	369.6393	-	71	151	270	379.448	-	-	-	-	-	-	-	-	0.115999504
Anthracene water (ug/L)	HDR	C	95	180	9	171	0.004	0.0577	0.004	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.203695738
Benz(a)anthracene sediment (ug/Kg)	HDR	A	23.1	13	10	3	81	1110	1	500	469.7253	103.0476	267.7557	671.6948	81	330	820	870	371.5434	-	-	-	-	-	-	-	-	0.068397727
Benz(a)anthracene water (ug/L)	HDR	B	70.4	142	42	100	0.005	0.397	0.002	1.1	-	-	-	-	-	-	-	-	-	0.01704	0.001498724	0.004277	0.012235576	0.03605	0.043611	-	-	0.402452455
Benzene water (ug/L)	HDR	C	100	38	0	38	NA	NA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Benzo(a)pyrene sediment (ug/Kg)	HDR	A	31.2	16	11	5	120	1520	0.1	500	470.975	103.7081	267.7108	674.2392	120	381	730	1010	414.8325	-	-	-	-	-	-	-	-	0.179213188
Benzo(a)pyrene water (ug/L)	HDR	C	83.2	179	30	149	0.004	0.586	0.004	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.191523268
Benzo(b)fluoranthene sediment (ug/Kg)	HDR	A	22.2	9	7	2	170	8440	1	1	1205.667	923.5282	-604.415	3015.749	170	205	536	-	2770.585	-	-	-	-	-	-	-	-	0.310926058
Benzo(b)fluoranthene water (ug/L)	HDR	C	81.7	93	17	76	0.02	0.27	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.596673591
Benzo(b,k)fluoranthene sediment (ug/Kg)	HDR	A	0	3	3	0	1100	2900	NA	NA	2033.333	520.6833	1012.813	3053.854	1100	2100	-	-	901.85	-	-	-	-	-	-	-	-	NA
Benzo(b,k)fluoranthene water (ug/L)	HDR	B	53.8	52	24	28	0.005	0.145	0.003	0.016	-	-	-	-	-	-	-	-	-	0.017905	0.004129598	0.008897	0.01825	0.0479	0.02506	-	-	0.709852542
Benzo(g,h,i)perylene sediment (ug/Kg)	HDR	A	23.1	13	10	3	180	980	1	500	451.5865	82.53788	289.8153	613.3578	180	317	640	934	297.5945	-	-	-	-	-	-	-	-	0.061112742
Benzo(g,h,i)perylene water (ug/L)	HDR	B	69.4	180	55	125	0.004	0.67	0.003	1.1	-	-	-	-	-	-	-	-	-	0.028623	0.002956568	0.007769	0.023801765	0.067539698	0.07068	-	-	0.557431736
Benzo(k)fluoranthene sediment (ug/Kg)	HDR	A	44.4	9	5	4	67	5050	1	500	743.0794	571.5819	-377.201	1863.359	-	67	477	-	1714.746	-	-	-	-	-	-	-	-	0.484561604
Benzo(k)fluoranthene water (ug/L)	HDR	C	88.2	93	11	82	0.014	0.3	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.308522827
Benzofluoranthenes, Total sediment (ug/Kg)	HDR	A	0	4	4	0	450	3060	NA	NA	1820	539.3978	762.7997	2877.2	450	1700	-	-	1078.796	-	-	-	-	-	-	-	-	-	0.220671362
Benzofluoranthenes, Total water (ug/L)	HDR	B	77.1	35	8	27	0.11	1.11	0.094	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.107174951
Biochemical Oxygen Demand water (ug/L)	HDR	A	18	150	123	27	1800	34300	1000	10000	5175.406	395.4806	4400.278	5950.533	2240	3500	6700	9900	4843.628	-	-	-	-	-	-	-	-	0.000117558
Bis(2-ethylhexyl) phthalate sediment (ug/Kg)	HDR	A	6.2	16	15	1	41	8800	20	20	2756.25	608.4857	1563.64	3948.86	800	2000	3600	6390	2433.943	-	-	-	-	-	-	-	-	0.070939512
Bis(2-ethylhexyl) phthalate water (ug/L)	HDR	A	41.1	180	106	74	0.35	27.8	0.353	3	1.549818	0.237677	1.08398	2.015657	0.516	0.7	1.2	2.6	3.188774	-	-	-	-	-	-	-	-	0.968960363
BTEX water (ug/L)	HDR	C	94.7	38	2	36	1.1	1.28	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.426776737
Butyl benzyl phthalate sediment (ug/Kg)	HDR	A	50	16	8	8	50	5880	19	230	494.9953	372.9895	-236.051	1226.041	-	50	290	380	1491.958	-	-	-	-	-	-	-	-	0.048649423
Butyl benzyl phthalate water (ug/L)	HDR	B	76.7	180	42	138	0.044	0.68	0.018	3	-	-	-	-	-	-	-	-	-	0.124165	0.050459931	0.086297	0.158690029	0.242	0.115535	-	-	0.034808874
Cadmium sediment (ug/Kg)	HDR	A	29.4	17	12	5	30	1300	2.5	500	417.4967	92.16187	236.8628	598.1307	30	394	580	990	379.9931	-	-	-	-	-	-	-	-	0.656939255
Cadmium water (ug/L)	HDR	A	30.6	180	125	55	0.017	0.979	0.025	1	0.132148	0.010826	0.110929	0.153368	0.043	0.09	0.18	0.28	0.14525	-	-	-	-	-	-	-	-	0.197705892
Cadmium water dissolved (ug/L)	HDR	B	51.4	179	87	92	0.01	0.284	0.02	0.2	-	-	-	-	-	-	-	-	-	0.0403	0.020997765	0.032703	0.049652375	0.076	0.030101	-	-	0.417900246
Calcium water (ug/L)	HDR	A	0	93	93	0	827	18000	NA	NA	4125.452	230.1769	3674.313	4576.59	2800	3730	5000	6940	2219.746	-	-	-	-	-	-	-	-	0.029186175
Chloride water (ug/L)	HDR	A	4.9	162	154	8	55	349000	100	250	5403.99	2167.928	1154.929	9653.052	900	1820	3910	6950	27593.22	-	-	-	-	-	-	-	-	0.568980239
Chlorpyrifos sediment (ug/Kg)	HDR	C	100	15	0	15	NA	NA	0.1	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Chlorpyrifos water (ug/L)	HDR	C	100	187	0	187	NA	NA	0.006	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Chrysene sediment (ug/Kg)	HDR	A	6.2	16	15	1	1.07	2920	1	1	760.3838	190.7823	386.4573	1134.31	210	460	1100	1650	763.1292	-	-	-	-	-	-	-	-	0.091575176
Chrysene water (ug/L)	HDR	B	66.7	180	60	120	0.003	0.697	0.003	1.1	-	-	-	-	-	-	-	-	-	0.029888	0.003034963	0.008	0.025543739	0.07792	0.069658	-	-	0.046298057
Conductivity water (uS/cm)	HDR	A	0	180	180	0	8.42	1060	NA	NA	69.08622	6.477918	56.38974	81.78271	27.3	45.9	96.1	136	86.91039	-	-	-	-	-	-	-	-	0.052104463
Copper sediment (ug/Kg)	HDR	A	0	16	16	0	860	81000	NA	NA	36250.63	5876.91	24732.09	47769.16	16300	39600	52700	60700	23507.64	-	-	-	-	-	-	-	-	1
Copper water (ug/L)	HDR	A	2.7	184	179	5	0.5	88.9	0.1	0.5	10.49212	0.723427	9.074228	11.91001	4.85	7.73	13.5	21.6	9.813046	-	-	-	-	-	-	-	-	0.595773294
Copper water dissolved (ug/L)	HDR	A	4.8	165	157	8	0.77	25.7	0.1	3.33	3.892034	0.241372	3.418954	4.365115	2.07	3.05	4.56	6.79	3.100477	-	-	-	-	-	-	-	-	5.48421E-06
CPAH sediment (ug/Kg)	HDR	A	6.2	16	15	1	1.07	26810	1	1	4042.509	1607.105	892.6411	7192.376	600	2464	4002	6060	6428.42	-	-	-	-	-	-	-	-	0.092507491
CPAH water (ug/L)	HDR	B	57.8	180	76	104	0.004	2.065	0.007	1.1	-	-	-	-	-	-	-	-	-	0.104657	0.007339126	0.0202	0.070165891	0.14584	0.284111	-	-	0.170984142
Di-N-Octyl Phthalate sediment (ug/Kg)	HDR	C	81.2	16	3	13	350	640	1	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.296269871
Di-N-Octyl Phthalate water (ug/L)	HDR	C	86.6	179	24	155	0.038	2.77	0.018	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.184319655
Diazinon sediment (ug/Kg)	HDR	C	100	15	0	15	NA	NA	0.1	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Diazinon water (ug/L)	HDR	C	98.4	187	3	184	0.034	0.53	0.005	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.347495779
Dibenzo(a,h)anthracene sediment (ug/Kg)	HDR	A	37.5	16	10	6	64	291	0.1	500	140.9212	21.98404	97.83329	184.0091	-	110	200	277	87.93614	-	-	-	-	-	-	-	-	0.194874979
Dibenzo(a,h)anthracene water (ug/L)	HDR	C	93.9	180	11	169	0.006	0.61	0.003	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.484841311
Dibutyl phthalate sediment (ug/Kg)	HDR	C	93.8	16	1	15	332	332	1	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.504985075
Dibutyl phthalate water (ug/L)	HDR	B	62.2	180	68	112	0.024	0.886	0.023	3	-	-	-	-	-	-	-	-	-	0.165444	0.05177263	0.106066	0.222764376	0.3772	0.163592	-	-	0.599637942
Dichlobenil sediment (ug/Kg)	HDR	B	75	4	1	3	17	17	0.1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.083264517
Dichlobenil water (ug/L)	HDR	A	46.3	175	94	81	0.02	1.3	0.017	1	0.093508	0.012501	0.069006	0.118009	0.024	0.045	0.08	0.17	0.165371	-	-	-	-	-	-	-	-	0.533460681
Diesel Range Organics sediment (ug/Kg)	HDR	A	0	3	3	0	27000	47000	NA	NA	38333.33	5925.463	26719.64	49947.03	27000	41000	-	-	10263.2	-	-	-	-	-	-	-	-	NA
Diesel Range Organics water (ug/L)	HDR	A	44.8	165	91	74	17	2300	30	480	234.1163	25.64084	183.8611	284.3714	22	140	320	510	329.3626	-	-	-	-	-	-	-	-	0.00456467
Diethyl phthalate sediment (ug/Kg)	HDR	C	100	16	0	16	NA	NA	1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Diethyl phthalate water (ug/L)	HDR	B	66.1	180	61	119	0.026	0.842	0.0706	3	-	-	-	-	-	-	-	-	-	0.139146	0.058664675	0.091	0.160816222	0.2738	0.140852	-	-	0.000840869
Dimethyl phthalate sediment (ug/Kg)	HDR	C	93.8	16	1	15	170	170	1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.546493595
Dimethyl phthalate water (ug/L)	HDR	C	85	180	27	153	0.025	0.16	0.021	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.366501272
Ethylbenzene water (ug/L)	HDR	C	100	38	0	38	NA	NA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Fecal coliform water (cfu/100mL)	HDR	A	5.7	157	148	9	2	160000	1	2	3630.58	1274.18	1133.232	6127.927	50	350	1600	5000	15965.43	-	-	-	-	-	-	-	-	0.000285329
Fines sediment (%)	HDR	A	0	15	15	0	3.5	131.6	NA	NA	41.626	11.34065	19.39873	63.85327	8	20.53	70.8	123.3	43.92217	-	-	-	-	-	-	-	-	0.592152339
Fluoranthene sediment (ug/Kg)	HDR	A	12.5	16	14	2	2.14	12800	1	500	1860.134	773.0803	344.9239	3375.343	270	670	2300	2560	3092.321	-	-	-	-	-	-	-	-	0.152659938
Fluoranthene water (ug/L)	HDR	A	46.1	180	97	83	0.008	1.18	0.0094	1.1	0.05407	0.008323	0.037758	0.070382	0.013	0.019	0.05	0.128	0.11166	-	-	-	-	-	-	-	-	0.03289521
Fluorene sediment (ug/Kg)	HDR	B	66.7	15	5	10	52.4	260	0.1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.515726535
Fluorene water (ug/L)	HDR	C	91.7	180	15	165	0.004	0.11	0.003	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.297480992

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)							
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value
Gasoline Range Organics water (ug/L)	HDR	C	87.7	155	19	136	13	395	10	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.377081434
Gravel sediment (%)	HDR	A	13.3	15	13	2	0	46.8	0.1	0.1	9.572	3.503527	2.705214	16.43879	0.3	3.4	17.3	24.2	13.5691	-	-	-	-	-	-	-	0.665821763
Hardness as CaCO3 water (ug/L)	HDR	A	0	181	181	0	2880	76100	NA	NA	25065.69	1346.212	22427.16	27704.22	12000	17400	38300	52300	18111.43	-	-	-	-	-	-	-	0.077099707
Heavy Fuel Oil sediment (ug/Kg)	HDR	A	0	3	3	0	820000	1200000	NA	NA	976666.7	114649.2	751958.3	1201375	820000	910000	-	-	198578.3	-	-	-	-	-	-	-	NA
Heavy Fuel Oil water (ug/L)	HDR	A	21.2	99	78	21	28	2800	100	500	448.8934	48.41603	353.9998	543.7871	180	310	520	990	481.7334	-	-	-	-	-	-	-	0.085425562
HPAH sediment (ug/Kg)	HDR	A	5.3	19	18	1	4.74	53510	1	1	8615.552	2778.038	3170.697	14060.41	1130	4883	11336	15200	12109.19	-	-	-	-	-	-	-	0.083478063
HPAH water (ug/L)	HDR	A	37.8	180	112	68	0.016	5.671	0.0094	2.2	0.23324	0.042919	0.149122	0.317359	0.03	0.063	0.18	0.549	0.575812	-	-	-	-	-	-	-	0.073398712
Indeno(1,2,3-cd)pyrene sediment (ug/Kg)	HDR	A	18.8	16	13	3	140	10400	1	500	990.9688	635.0927	-253.79	2235.728	140	360	540	865	2540.371	-	-	-	-	-	-	-	0.060051705
Indeno(1,2,3-cd)pyrene water (ug/L)	HDR	C	80.6	180	35	145	0.005	0.76	0.003	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.788654672
Lead sediment (ug/Kg)	HDR	A	5.9	17	16	1	360	360000	10	10	72074.12	23090.43	26817.71	117330.5	5900	29400	110000	186000	95204.28	-	-	-	-	-	-	-	1
Lead water (ug/L)	HDR	A	2.2	179	175	4	0.14	89.2	0.1	0.1	8.997369	0.893497	7.246148	10.74859	0.93	4.05	13.3	23.8	11.95417	-	-	-	-	-	-	-	0.44630558
Lead water dissolved (ug/L)	HDR	A	25.1	179	134	45	0.031	2.6	0.02	1	0.262884	0.026602	0.210746	0.315023	0.07	0.171	0.313	0.6	0.355908	-	-	-	-	-	-	-	0.200315653
LPAH sediment (ug/Kg)	HDR	A	5.6	18	17	1	1.94	6300	500	500	1173.491	354.7304	478.2327	1868.75	200	564	1530	2940	1504.993	-	-	-	-	-	-	-	0.079149347
LPAH water (ug/L)	HDR	A	46.7	180	96	84	0.006	0.5888	0.0094	1.1	0.054103	0.005278	0.043758	0.064448	0.019	0.033	0.0679	0.11	0.070813	-	-	-	-	-	-	-	0.140580257
Lube Oil water (ug/L)	HDR	C	90	30	3	27	218	257	190	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.548506236
Magnesium water (ug/L)	HDR	A	0	93	93	0	140	3350	NA	NA	830.4946	71.22111	690.9038	970.0854	290	670	1100	1760	686.8315	-	-	-	-	-	-	-	0.992432542
Malathion sediment (ug/Kg)	HDR	C	100	15	0	15	NA	NA	0.1	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Malathion water (ug/L)	HDR	C	100	187	0	187	NA	NA	0.008	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Mecoprop sediment (ug/Kg)	HDR	C	100	3	0	3	NA	NA	10	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Mecoprop water (ug/L)	HDR	B	75.3	170	42	128	0.02	28	0.02	250	-	-	-	-	-	-	-	-	-	0.704112	0.008901238	0.034916	0.14	0.329829181	3.376404	-	8.28178E-07
Mercury sediment (ug/Kg)	HDR	A	33.3	9	6	3	18	442	50	50	79.89167	47.07663	-12.3768	172.1602	31	31.1	38.2	-	141.2299	-	-	-	-	-	-	-	0.432767581
Mercury water (ug/L)	HDR	C	89.3	75	8	67	0.0278	0.3	0.02	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.411912939
Mercury water dissolved (ug/L)	HDR	C	96	75	3	72	0.05	0.3	0.02	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.570571373
Motor Oil water (ug/L)	HDR	A	15.8	19	16	3	670	3200	500	500	1132.632	152.494	833.7488	1431.514	700	950	1300	2500	664.706	-	-	-	-	-	-	-	0.23948077
Naphthalene sediment (ug/Kg)	HDR	B	75	16	4	12	1.02	100	0.1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.820623545
Naphthalene water (ug/L)	HDR	B	62.4	178	67	111	0.006	0.19	0.005	1.1	-	-	-	-	-	-	-	-	-	0.023064	0.00734058	0.013	0.02885	0.046	0.028604	-	0.176800984
Nitrite-Nitrate water dissolved (ug/L)	HDR	A	0	168	168	0	12	3090	NA	NA	516.3244	40.28298	437.3712	595.2776	129	320	779	1180	522.1271	-	-	-	-	-	-	-	0.000129767
o-Cresol sediment (ug/Kg)	HDR	C	81.8	11	2	9	39.3	58.3	1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72903449
Ortho-phosphate water dissolved (ug/L)	HDR	A	9.9	172	155	17	5	257	3	22.3	28.41648	2.467052	23.58115	33.25182	10	19	32	56	32.35508	-	-	-	-	-	-	-	0.083894747
p-Cresol sediment (ug/Kg)	HDR	A	18.2	11	9	2	282	24100	1	1	3414.182	2181.745	-861.961	7690.324	282	380	2690	7000	7236.031	-	-	-	-	-	-	-	0.575818563
p-Cresol water (ug/L)	HDR	C	100	7	0	7	NA	NA	0.047	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1016 sediment (ug/Kg)	HDR	C	100	6	0	6	NA	NA	3	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1016 water (ug/L)	HDR	C	100	10	0	10	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1221 sediment (ug/Kg)	HDR	C	100	6	0	6	NA	NA	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1221 water (ug/L)	HDR	C	100	10	0	10	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1232 sediment (ug/Kg)	HDR	C	100	6	0	6	NA	NA	3	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1232 water (ug/L)	HDR	C	100	10	0	10	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1242 sediment (ug/Kg)	HDR	C	100	6	0	6	NA	NA	4.4	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1242 water (ug/L)	HDR	C	100	10	0	10	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1248 sediment (ug/Kg)	HDR	C	83.3	6	1	5	38	38	4.4	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.617075077
PCB-aroclor 1248 water (ug/L)	HDR	C	100	10	0	10	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1254 sediment (ug/Kg)	HDR	C	100	6	0	6	NA	NA	4.4	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1254 water (ug/L)	HDR	C	100	10	0	10	NA	NA	0.01	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1260 sediment (ug/Kg)	HDR	C	100	6	0	6	NA	NA	4.4	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1260 water (ug/L)	HDR	C	90	10	1	9	0.011	0.011	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.617075077
Pentachlorophenol sediment (ug/Kg)	HDR	B	80	15	3	12	8	413	1	812	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.271967187
Pentachlorophenol water (ug/L)	HDR	C	87.1	163	21	142	0.02	0.21	0.02	5.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52098733
pH water (pH)	HDR	A	0	86	86	0	5.9	7.61	NA	NA	6.766395	0.043405	6.681324	6.851467	6.5	6.8	7.09	7.23	0.402518	-	-	-	-	-	-	-	0.65452776
Phenanthrene sediment (ug/Kg)	HDR	A	6.7	15	14	1	3.08	4750	500	500	974.2347	311.3855	363.9303	1584.539	310	470	1290	2100	1205.991	-	-	-	-	-	-	-	0.213210944
Phenanthrene water (ug/L)	HDR	B	53.3	180	84	96	0.006	0.493	0.003	1.1	-	-	-	-	-	-	-	-	-	0.032175	0.011	0.018	0.031735491	0.062161536	0.05063	-	0.416529931
Phenol sediment (ug/Kg)	HDR	B	69.2	13	4	9	160	636	1	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.388603043
Phenol water (ug/L)	HDR	B	57.1	7	3	4	0.203	0.439	0.047	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.220671362
Precipitation water (in)	HDR	A	0	125	125	0	0.14	3.63	NA	NA	0.65952	0.046834	0.567727	0.751313	0.35	0.5	0.77	1.21	0.523622	-	-	-	-	-	-	-	0.053009004
Prometon sediment (ug/Kg)	HDR	C	100	4	0	4	NA	NA	0.1	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Prometon water (ug/L)	HDR	C	93.1	174	12	162	0.024	0.8	0.005	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.003822579
Pyrene sediment (ug/Kg)	HDR	A	12.5	16	14	2	1.53	13900	1	500	1913.98	840.0999	267.414	3560.545	260	980	2030	3150	3360.399	-	-	-	-	-	-	-	0.097237011
Pyrene water (ug/L)	HDR	A	41.1	180	106	74	0.008	0.909	0.0094	1.1	0.057412	0.006918	0.043852	0.070971	0.017	0.024	0.0526	0.132	0.092817	-	-	-	-	-	-	-	0.157805956
Sampled-Event Flow Volume water (m3)	HDR	A	0	164	164	0	4	201358.5	NA	NA	11600.3	2393.719	6908.7	16291.91	69.4	240.6645	1589.407826	41633.68666	30654.56	-	-	-	-	-	-	-	0.262915614
Sand sediment (%)	HDR	A	0	15	15	0	5.3	124.2	NA	NA	75.50467	8.149657	59.53163	91.4777	71.1	83.96	93.5	95.8	31.56348	-	-	-	-	-	-	-	0.663355027
Solids sediment (%)	HDR	A	0	17	17	0	0.2	97.8	NA	NA	50.16471	6.047143	38.31252	62.01689	36.1	45.1	71	77.4	24.93301	-	-	-	-	-	-	-	0.383439981
Storm Event Flow Volume water (m3)	HDR	A	0	173	173	0	5.6	336888.3	NA	NA	16102.42	3316.487	9602.227	22602.62	85.1769344	327.5518	5859.029088	44641.47739	43621.58	-	-	-	-	-	-	-	0.097978422
Surfactants water (ug/L)	HDR	A	41.6	173	101	72	17	357	20	96	51.21694	3.648095	44.0668	58.36707	19	36	64	100	47.9832	-	-	-	-	-	-	-	0.03915594
Toluene water (ug/L)	HDR	C	94.7	38	2	36	1.1	1.28	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.426776737
Total Benzofluoranthenes sediment (ug/Kg)	HDR	A	12.5	16	14	2	170	13490	1	1	1907.063	813.9458	311.7581	3502.367	237	1013	2070	3060	3255.783	-	-	-	-	-	-	-	0.11580297
Total Benzofluoranthenes water (ug/L)	HDR	B	72.2	180	50	130	0.005	1.11	0.003	2.2	-	-	-	-	-	-	-	-	-	0.041627	0.003594458	0.009908	0.03307417	0.10286	0.110676	-	0.185419501
Total Kjeldahl Nitrogen water (ug/L)	HDR	A	8.4	167	153	14	150	9120	100	500	1136.142	91.24895	957.2971	1314.986	590	880	1290	2010	1179.196	-	-	-	-	-	-	-	0.001061408
Total Organic Carbon sediment (%)	HDR	A	0	17	17	0	0.0528	34.2	NA	NA	10.68958	2.147614	6.480331	14.89882	3.03	10.5	13.5	23	8.854838	-	-	-	-	-	-	-	0.168801225
Total PAH sediment (ug/Kg)	HDR	A	0	17	17	0	4.1	59810	NA	NA	9133.74	3442.394	2386.772	15880.71	1330	4094	12666	16721.8	14193.35	-	-	-	-	-	-	-	0.116851935
Total PAH water (ug/L)	HDR	A	34.4	180	118	62	0.022	6.2598	0.0094	2.2	0.273824	0.046995	0.181716	0.365932	0.046	0.0896	0.2359	0.59	0.630501	-	-	-	-	-	-	-	0.039070091
Total PCB sediment (ug/Kg)	HDR	C	83.3	6	1	5	38	38	4.4	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.617075077
Total PCB water (ug/L)	HDR	C	90	10	1	9	0.011	0.011	0.01	0.025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.563702862
Total Phosphorus water (ug/L)	HDR	A	3.4	175	169	6	8	1110	10	137	140.7857	10.20423	120.7858	160.7857	60	107	170	290	134.9893	-	-	-	-	-	-	-	0.047685125
Total Phthalate sediment (ug/Kg)	HDR	A	11.8	17	15	2	41	14680	20	54	3152	866.7019	1453.295	4850.705	800	2230	4220	6390	3573.504	-	-	-	-	-	-	-	0.07633274
Total Phthalate water (ug/L)	HDR	A	25.6	180	134	46	0.032	27.8	0.407	3	1.674757	0.241823	1.200793	2.148722	0.453	0.868	1.526	2.89	3.244399	-	-	-	-	-	-	-	0.841452279
Total Suspended Solids water (ug/L)	HDR	A	0.6	177	176	1	1200	509000	500	500	50510.85	5001.373	40708.34	60313.36	14300	28000	56100	126000	66538.94	-	-	-	-	-	-	-	0.393097621
Total TPHDx sediment (ug/Kg)	HDR	A	0	3	3	0	847000	1247000	NA	NA	1015000	119822.1	780153	1249847	847000	951000	-	-	207537.9	-	-	-	-	-	-	-	NA
Total TPHDx water (ug/L)	HDR	A	29.3	167	118	49	45	5100	70	500	615.7955	60.70753	496.811	734.7801	140	320	800	1500	784.5142	-	-	-	-	-	-	-	0.004923874
Total Xylenes water (ug/L)	HDR	C	100	38	0	38	NA	NA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Triclopyr sediment (ug/Kg)	HDR	C	100	3	0	3	NA	NA	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Triclopyr water (ug/L)	HDR	C	83	159	27	132	0.02	1	0.05	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.018714572
Turbidity water (NTU)	HDR	A	0	149	149	0	1.4	158	NA	NA	25.23228	2.336195	20.65342	29.81114	6.77	15	29.9	62	28.5169	-	-	-	-	-	-	-	0.855272346
Zinc sediment (ug/Kg)	HDR	A	0	17	17	0	4350	1080000	NA	NA	226561.8	63656.02	101798.3	351325.3	72600	172000	213000	602000	262460.5	-	-	-	-	-	-	-	0.90990752
Zinc water (ug/L)	HDR	A	2.2	178	174	4	1.4	1130	1	1	81.33961	10.07463	61.5937	101.0855	18.8	41.2	78.1	176	134.4123	-	-	-	-	-	-	-	0.90646202
Zinc water dissolved (ug/L)	HDR	A	3	167	162	5	0.6	1090	1	12.6	46.37967	8.26852	30.17367	62.58568	11	15.1	24.8	138	106.8528	-	-	-	-	-	-	-	0.608419256

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)								
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value
1-Methylnaphthalene sediment (ug/Kg)	IND	C	100	3	0	3	NA	NA	34	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
1-Methylnaphthalene water (ug/L)	IND	C	81.2	32	6	26	0.1	0.94	0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20870775
2-Methylnaphthalene sediment (ug/Kg)	IND	C	83.3	6	1	5	80	80	34	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.479500122
2-Methylnaphthalene water (ug/L)	IND	B	62.5	64	24	40	0.003	1.9	0.004	0.2	-	-	-	-	-	-	-	-	-	0.070788	0.001366407	0.006002	0.013470392	0.052547737	0.293309	-	0.012346905
2-Nitrophenol sediment (ug/Kg)	IND	C	100	2	0	2	NA	NA	10	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
2,4-D water (ug/L)	IND	C	96.4	55	2	53	0.27	1.5	0.073	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.310641595
2,4-Dichlorophenol sediment (ug/Kg)	IND	C	100	2	0	2	NA	NA	10	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
2,4-Dimethylphenol sediment (ug/Kg)	IND	C	100	4	0	4	NA	NA	10	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4,5-Trichlorophenol sediment (ug/Kg)	IND	C	100	2	0	2	NA	NA	10	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
2,4,6-Trichlorophenol sediment (ug/Kg)	IND	C	100	2	0	2	NA	NA	10	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
4-Chloro-3-Methylphenol sediment (ug/Kg)	IND	C	100	2	0	2	NA	NA	10	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
4-Nitrophenol sediment (ug/Kg)	IND	C	100	2	0	2	NA	NA	10	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Acenaphthene sediment (ug/Kg)	IND	C	83.3	6	1	5	62	62	34	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.317310508
Acenaphthene water (ug/L)	IND	B	68.8	64	20	44	0.003	0.03	0.004	0.2	-	-	-	-	-	-	-	-	-	0.008546	0.004481451	0.006697	0.00925	0.0158	0.006548	-	0.188135688
Acenaphthylene sediment (ug/Kg)	IND	C	100	6	0	6	NA	NA	33	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Acenaphthylene water (ug/L)	IND	C	84.4	64	10	54	0.003	0.029	0.003	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.924516017
Ammonia water (ug/L)	IND	A	0	24	24	0	80	774	NA	NA	230	30.39999	170.4171	289.5829	149	190	250	291	148.9289	-	-	-	-	-	-	-	0.069243639
Anthracene sediment (ug/Kg)	IND	A	16.7	6	5	1	44	160	25	25	79.83333	21.44505	37.80181	121.8649	44	48	130	-	52.52942	-	-	-	-	-	-	-	1
Anthracene water (ug/L)	IND	C	89.1	64	7	57	0.005	0.012	0.004	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.203890638
Benz(a)anthracene sediment (ug/Kg)	IND	A	16.7	6	5	1	110	580	41	41	265	94.05044	80.66452	449.3355	110	110	530	-	230.3756	-	-	-	-	-	-	-	0.12133525
Benz(a)anthracene water (ug/L)	IND	B	79.7	64	13	51	0.004	0.3	0.002	0.1	-	-	-	-	-	-	-	-	-	0.010501	0.000420714	0.001271	0.005102751	0.014169802	0.040062	-	0.554773337
Benzo(a)pyrene sediment (ug/Kg)	IND	A	16.7	6	5	1	120	820	74	74	356.6667	140.6746	80.94946	632.3839	120	120	760	-	344.5811	-	-	-	-	-	-	-	0.331975467
Benzo(a)pyrene water (ug/L)	IND	C	82.8	64	11	53	0.004	0.36	0.004	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.581435989
Benzo(b)fluoranthene sediment (ug/Kg)	IND	A	0	1	1	0	730	730	NA	NA	730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Benzo(b)fluoranthene water (ug/L)	IND	A	50	2	1	1	0.1	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Benzo(b,k)fluoranthene sediment (ug/Kg)	IND	A	0	3	3	0	110	370	NA	NA	283.3333	86.66667	113.4698	453.1969	110	-	-	-	150.1111	-	-	-	-	-	-	-	NA
Benzo(b,k)fluoranthene water (ug/L)	IND	B	65.6	32	11	21	0.008	0.064	0.003	0.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.133779195
Benzo(g,h,i)perylene sediment (ug/Kg)	IND	A	0	6	6	0	89	900	NA	NA	396.5	135.3203	131.2771	661.7229	190	190	720	-	331.4657	-	-	-	-	-	-	-	0.466854271
Benzo(g,h,i)perylene water (ug/L)	IND	B	62.5	64	24	40	0.004	0.36	0.003	0.1	-	-	-	-	-	-	-	-	-	0.026141	0.002142708	0.005548	0.018046303	0.107	0.05695	-	0.134785253
Benzo(k)fluoranthene sediment (ug/Kg)	IND	A	0	1	1	0	880	880	NA	NA	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Benzo(k)fluoranthene water (ug/L)	IND	A	50	2	1	1	0.1	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Benzofluoranthenes, Total sediment (ug/Kg)	IND	A	0	2	2	0	370	1400	NA	NA	885	515	-124.381	1894.381	370	-	-	-	728.32	-	-	-	-	-	-	-	0.317310508
Benzofluoranthenes, Total water (ug/L)	IND	B	76.7	30	7	23	0.11	0.72	0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.152164205
Biochemical Oxygen Demand water (ug/L)	IND	A	6.7	45	42	3	2000	27200	2000	2000	5673.333	694.9968	4311.165	7035.502	2900	3900	7100	10100	4662.18	-	-	-	-	-	-	-	0.008648351
Bis(2-ethylhexyl) phthalate sediment (ug/Kg)	IND	A	0	5	5	0	11000	34000	NA	NA	20600	5095.096	10613.8	30586.2	12000	14000	32000	-	11392.98	-	-	-	-	-	-	-	0.527089257
Bis(2-ethylhexyl) phthalate water (ug/L)	IND	A	36.5	63	40	23	0.511	11	0.407	2.36	1.584726	0.217035	1.159345	2.010106	0.511	0.97	1.6	3.21	1.722661	-	-	-	-	-	-	-	0.497094816
Butyl benzyl phthalate sediment (ug/Kg)	IND	A	33.3	6	4	2	96	60000	330	890	12964.67	10224.85	-7075.66	33005	96	96	15000	-	25045.66	-	-	-	-	-	-	-	0.157299207
Butyl benzyl phthalate water (ug/L)	IND	C	84.4	64	10	54	0.186	0.36	0.17	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.121732571
Cadmium sediment (ug/Kg)	IND	A	0	6	6	0	663	1800	NA	NA	1262.167	165.4973	937.7979	1586.535	1090	1100	1600	-	405.384	-	-	-	-	-	-	-	1
Cadmium water (ug/L)	IND	A	16.7	66	55	11	0.077	2.41	0.1	0.2	0.316845	0.042823	0.232913	0.400777	0.16	0.217	0.36	0.52	0.347897	-	-	-	-	-	-	-	0.832111487
Cadmium water dissolved (ug/L)	IND	B	54.5	66	30	36	0.05	1.85	0.1	0.2	-	-	-	-	-	-	-	-	-	0.148183	0.066662979	0.096329	0.12675	0.2015	0.259179	-	0.347631102
Calcium water (ug/L)	IND	A	0	32	32	0	8750	357000	NA	NA	29120.31	10606.24	8332.466	49908.16	15300	19200	22200	24400	59997.95	-	-	-	-	-	-	-	0.826001352
Chloride water (ug/L)	IND	A	0	50	50	0	1100	213000	NA	NA	20381.6	5328.108	9938.699	30824.5	2800	5200	15600	52300	37675.42	-	-	-	-	-	-	-	0.073625165
Chlorpyrifos sediment (ug/Kg)	IND	C	100	6	0	6	NA	NA	11	710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Chlorpyrifos water (ug/L)	IND	C	98.4	64	1	63	0.022	0.022	0.006	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.037372988
Chrysene sediment (ug/Kg)	IND	A	0	6	6	0	84	1100	NA	NA	480.6667	182.9584	122.0748	839.2586	170	220	1000	-	448.1547	-	-	-	-	-	-	-	0.331975467
Chrysene water (ug/L)	IND	B	59.4	64	26	38	0.003	0.44	0.003	0.1	-	-	-	-	-	-	-	-	-	0.031976	0.001528194	0.006	0.020283291	0.12	0.068797	-	0.038863377
Conductivity water (uS/cm)	IND	A	0	66	66	0	56.4	1400	NA	NA	238.7273	25.92564	187.9139	289.5406	121	158	308	408	210.6209	-	-	-	-	-	-	-	0.572897255
Copper sediment (ug/Kg)	IND	A	0	6	6	0	70700	141000	NA	NA	115166.7	11094.46	93421.92	136911.4	97300	114000	137000	-	27175.77	-	-	-	-	-	-	-	0.662520584
Copper water (ug/L)	IND	A	0	66	66	0	5.56	64.3	NA	NA	19.45106	1.431428	16.64551	22.25661	11.5	16	22.9	36.7	11.62898	-	-	-	-	-	-	-	0.715301071
Copper water dissolved (ug/L)	IND	A	1.5	65	64	1	2	26.1	3.76	3.76	5.100669	0.454069	4.21071	5.990628	3.32	4.4	5.4	7.8	3.660823	-	-	-	-	-	-	-	0.006346974
CPAH sediment (ug/Kg)	IND	A	0	7	7	0	194	4930	NA	NA	1561.571	671.1097	246.2207	2876.922	420	754	3120	-	1775.589	-	-	-	-	-	-	-	0.200825123
CPAH water (ug/L)	IND	B	56.2	64	28	36	0.005	1.38	0.007	0.1	-	-	-	-	-	-	-	-	-	0.074458	0.005558179	0.014076	0.056409742	0.1692	0.19622	-	0.071704545
Di-N-Octyl Phthalate sediment (ug/Kg)	IND	A	33.3	6	4	2	230	10000	33	51	3815	2009.545	-123.636	7753.636	-	230	9400	-	4922.361	-	-	-	-	-	-	-	0.331975467
Di-N-Octyl Phthalate water (ug/L)	IND	C	90.6	64	6	58	1.3	2.4	0.084	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.26373596
Diazinon sediment (ug/Kg)	IND	C	100	6	0	6	NA	NA	8.3	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Diazinon water (ug/L)	IND	C	98.4	64	1	63	0.026	0.026	0.005	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.037372988
Dibenzo(a,h)anthracene sediment (ug/Kg)	IND	A	33.3	6	4	2	38	280	32	99	115.5556	48.57068	20.35877	210.7523	38	54	240	-	118.9734	-	-	-	-	-	-	-	0.150785565
Dibenzo(a,h)anthracene water (ug/L)	IND	C	98.4	64	1	63	0.013	0.013	0.003	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.630954041
Dibutyl phthalate sediment (ug/Kg)	IND	A	50	6	3	3	220	1000	60	330	356.25	144.0994	73.82029	638.6797	-	220	250	-	352.9701	-	-	-	-	-	-	-	0.093088058
Dibutyl phthalate water (ug/L)	IND	B	64.1	64	23	41	0.21	0.693	0.25	2	-	-	-	-	-	-	-	-	-	0.361009	0.268106245	0.304798	0.4295	0.5693	0.133413	-	0.085871133
Dichlobenil water (ug/L)	IND	A	41	61	36	25	0.015	0.53	0.017	0.12	0.053952	0.011858	0.030711	0.077193	0.015	0.03	0.04	0.084	0.092611	-	-	-	-	-	-	-	0.474759129
Diesel Range Organics sediment (ug/Kg)	IND	A	0	3	3	0	120000	510000	NA	NA	273333.3	120046.3	38046.93	508619.7	120000	190000	-	-	207926.3	-	-	-	-	-	-	-	NA
Diesel Range Organics water (ug/L)	IND	A	36	50	32	18	70	2400	30	200	491.8842	67.17437	360.2249	623.5436	-	410	840	1000	474.9945	-	-	-	-	-	-	-	0.607903036
Diethyl phthalate sediment (ug/Kg)	IND	C	83.3	6	1	5	81	81	41	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Diethyl phthalate water (ug/L)	IND	B	79.7	64	13	51	0.094	8.9	0.124	2	-	-	-	-	-	-	-	-	-	0.330571	0.092149284	0.144348	0.24375255	0.389626602	1.10342	-	0.00019042
Dimethyl phthalate sediment (ug/Kg)	IND	C	83.3	6	1	5	52	52	33	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Dimethyl phthalate water (ug/L)	IND	C	100	64	0	64	NA	NA	0.031	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Fecal coliform water (cfu/100mL)	IND	A	0	49	49	0	2	91900	NA	NA	4683.449	1969.299	823.6936	8543.204	488	991	2800	12000	13785.09	-	-	-	-	-	-	-	0.000522517
Fines sediment (%)	IND	A	0	5	5	0	3.6	178	NA	NA	80.22	39.92982	1.958994	158.481	18.8	23.3	177.4	-	89.28579	-	-	-	-	-	-	-	0.045500264
Fluoranthene sediment (ug/Kg)	IND	A	0	6	6	0	110	1900	NA	NA	715	305.775	115.6921	1314.308	180	270	1400	-	748.9927	-	-	-	-	-	-	-	0.12133525
Fluoranthene water (ug/L)	IND	A	26.6	64	47	17	0.007	0.6	0.005	0.1	0.063055	0.012385	0.038781	0.087328	0.012	0.021	0.06	0.18	0.099077	-	-	-	-	-	-	-	0.015950033
Fluorene sediment (ug/Kg)	IND	C	83.3	6	1	5	88	88	25	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.220671362
Fluorene water (ug/L)	IND	B	67.2	64	21	43	0.003	0.22	0.003	0.2	-	-	-	-	-	-	-	-	-	0.011151	0.003296238	0.007	0.010387339	0.016765616	0.027153	-	0.132296229
Gasoline Range Organics water (ug/L)	IND	B	68.2	44	14	30	11	370	10	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.090375813
Gravel sediment (%)	IND	A	0	5	5	0	0.2	8.7	NA	NA	4.98	1.885046	1.285377	8.674623	0.7	6.7	8.6	-	4.215092	-	-	-	-	-	-	-	0.205903211
Hardness as CaCO3 water (ug/L)	IND	A	0	65	65	0	16600	1300000	NA	NA	79813.85	19349.54	41889.45	117738.2	44300	55700	78400	92000	156001	-	-	-	-	-	-	-	0.767510604
Heavy Fuel Oil sediment (ug/Kg)	IND	A	0	3	3	0	1100000	3100000	NA	NA	2333333	622718.1	1112828	3553838	1100000	2800000	-	-	1078579	-	-	-	-	-	-	-	NA
Heavy Fuel Oil water (ug/L)	IND	A	26.3	19	14	5	110	1100	60	300	269.5142	53.6461	164.3698	374.6586	110	210	340	480	233.8379	-	-	-	-	-	-	-	0.505832946
HPAH sediment (ug/Kg)	IND	A	0	8	8	0	180	9330	NA	NA	2982.5	1248.973	534.5576	5430.442	523	1300	2114	-	3532.63	-	-	-	-	-	-	-	0.037056219
HPAH water (ug/L)	IND	A	17.2	64	53	11	0.012	3.8	0.1	0.2	0.262742	0.069898	0.125746	0.399739	0.032	0.068	0.22	0.75	0.559181	-	-	-	-	-	-	-	0.013684092
Indeno(1,2,3-cd)pyrene sediment (ug/Kg)	IND	A	16.7	6	5	1	85	600	83	83	260	99.22442	65.5237	454.4763	85	130	530	-	243.0492	-	-	-	-	-	-	-	0.211299547
Indeno(1,2,3-cd)pyrene water (ug/L)	IND	C	82.8	64	11	53	0.005	0.28	0.003	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.079423115
Lead sediment (ug/Kg)	IND	A	0	6	6	0	21800	94000	NA	NA	62633.33	11047.98	40979.7	84286.97	40600	65300	84200	-	27061.9	-	-	-	-	-	-	-	0.12133525

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)								
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value
Lead water (ug/L)	IND	A	0	66	66	0	2	60	NA	NA	9.714242	1.153059	7.454288	11.9742	4.8	7.94	11	14.4	9.367496	-	-	-	-	-	-	-	0.30782536
Lead water dissolved (ug/L)	IND	A	33.3	66	44	22	0.08	3.2	0.245	1.8	0.366613	0.056557	0.255763	0.477463	0.2	0.25	0.313	0.52	0.459473	-	-	-	-	-	-	-	0.000424103
LPAH sediment (ug/Kg)	IND	A	14.3	7	6	1	48	1030	66	66	407.1429	152.3857	108.4724	705.8133	48	234	890	-	403.1746	-	-	-	-	-	-	-	0.423710797
LPAH water (ug/L)	IND	A	29.7	64	45	19	0.009	2.23	0.1	0.1	0.119867	0.037283	0.046794	0.192941	0.029	0.052	0.1	0.18	0.298266	-	-	-	-	-	-	-	0.059753858
Magnesium water (ug/L)	IND	A	0	32	32	0	1330	96500	NA	NA	7262.813	2892.002	1594.593	12931.03	3390	4100	5660	6780	16359.63	-	-	-	-	-	-	-	0.385569857
Malathion sediment (ug/Kg)	IND	C	100	6	0	6	NA	NA	11	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Malathion water (ug/L)	IND	C	98.4	64	1	63	0.027	0.027	0.008	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.037372988
Mecoprop water (ug/L)	IND	C	98.2	55	1	54	0.16	0.16	0.048	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.592980098
Mercury sediment (ug/Kg)	IND	A	0	6	6	0	35.7	140	NA	NA	94.46667	16.91724	61.30948	127.6239	70.1	71	130	-	41.43861	-	-	-	-	-	-	-	0.12133525
Mercury water (ug/L)	IND	C	87.9	66	8	58	0.0219	0.062	0.02	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61538119
Mercury water dissolved (ug/L)	IND	C	100	66	0	66	NA	NA	0.02	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Motor Oil water (ug/L)	IND	A	0	22	22	0	740	3200	NA	NA	1577.727	142.2179	1298.985	1856.469	1100	1400	2000	2500	667.0613	-	-	-	-	-	-	-	1
Naphthalene sediment (ug/Kg)	IND	B	66.7	6	2	4	97	130	34	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.285049407
Naphthalene water (ug/L)	IND	B	54	63	29	34	0.006	2.1	0.005	0.2	-	-	-	-	-	-	-	-	-	0.062053	0.00736785	0.013	0.024822367	0.064821729	0.266613	-	0.267183942
Nitrite-Nitrate water dissolved (ug/L)	IND	A	0	52	52	0	79	1010	NA	NA	271.9096	25.00915	222.8926	320.9267	147	232	330	430	180.3436	-	-	-	-	-	-	-	0.180704356
o-Cresol sediment (ug/Kg)	IND	C	100	4	0	4	NA	NA	10	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ortho-phosphate water dissolved (ug/L)	IND	A	5.6	54	51	3	6	121	3	3	38.6	4.240104	30.28955	46.91045	15.5	22.3	69	89	31.15827	-	-	-	-	-	-	-	0.38070397
p-Cresol sediment (ug/Kg)	IND	A	50	4	2	2	22.5	170	38	50	59.375	45.16247	-29.1418	147.8918	22.5	22.5	-	-	90.32493	-	-	-	-	-	-	-	0.317310508
PCB-aroclor 1016 sediment (ug/Kg)	IND	C	100	6	0	6	NA	NA	3	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1016 water (ug/L)	IND	C	100	9	0	9	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1221 sediment (ug/Kg)	IND	C	100	6	0	6	NA	NA	3	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1221 water (ug/L)	IND	C	100	9	0	9	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1232 sediment (ug/Kg)	IND	C	100	6	0	6	NA	NA	3	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1232 water (ug/L)	IND	C	100	9	0	9	NA	NA	0.01	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1242 sediment (ug/Kg)	IND	C	100	6	0	6	NA	NA	4.4	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1242 water (ug/L)	IND	C	100	9	0	9	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1248 sediment (ug/Kg)	IND	C	100	6	0	6	NA	NA	4.4	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1248 water (ug/L)	IND	C	100	9	0	9	NA	NA	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1254 sediment (ug/Kg)	IND	A	50	6	3	3	41	87	4.4	18	50.5	8.405108	34.02629	66.97371	-	-	52	-	20.58822	-	-	-	-	-	-	-	0.12133525
PCB-aroclor 1254 water (ug/L)	IND	A	33.3	9	6	3	0.01	0.019	0.005	0.01	0.012333	0.001075	0.010226	0.01444	-	0.011	0.014	-	0.003225	-	-	-	-	-	-	-	0.336668368
PCB-aroclor 1260 sediment (ug/Kg)	IND	B	66.7	6	2	4	41	80	4.4	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.157299207
PCB-aroclor 1260 water (ug/L)	IND	B	77.8	9	2	7	0.01	0.01	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.312422211
Pentachlorophenol sediment (ug/Kg)	IND	B	80	5	1	4	50	50	52	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Pentachlorophenol water (ug/L)	IND	C	90.9	55	5	50	0.054	0.088	0.05	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.181926223
pH water (pH)	IND	A	0	65	65	0	5.6	7.68	NA	NA	7.003692	0.054965	6.895963	7.111421	6.73	7.18	7.3	7.47	0.443141	-	-	-	-	-	-	-	0.753840356
Phenanthrene sediment (ug/Kg)	IND	A	16.7	6	5	1	190	740	17	17	363.3333	102.3226	162.7848	563.8819	190	210	610	-	250.6381	-	-	-	-	-	-	-	1
Phenanthrene water (ug/L)	IND	A	31.2	64	44	20	0.009	0.33	0.08	0.1	0.050066	0.008365	0.033671	0.066461	0.015	0.024	0.055	0.13	0.06692	-	-	-	-	-	-	-	0.016197258
Phenol sediment (ug/Kg)	IND	B	80	5	1	4	192	192	10	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.414216178
Precipitation water (in)	IND	A	0	33	33	0	0.19	1.72	NA	NA	0.746667	0.069682	0.610092	0.883241	0.4	0.72	1.01	1.31	0.400294	-	-	-	-	-	-	-	0.412526653
Prometon water (ug/L)	IND	C	90	60	6	54	0.148	3.21	0.019	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.208412804
Pyrene sediment (ug/Kg)	IND	A	0	6	6	0	130	1600	NA	NA	748.3333	223.7769	309.7386	1186.928	370	580	1200	-	548.1393	-	-	-	-	-	-	-	0.637351888
Pyrene water (ug/L)	IND	A	18.8	64	52	12	0.007	0.74	0.1	0.1	0.080538	0.01447	0.052176	0.108899	0.017	0.027	0.11	0.19	0.115764	-	-	-	-	-	-	-	0.020223726
Sampled-Event Flow Volume water (m3)	IND	A	0	66	66	0	126.8106	5591.152	NA	NA	1392.006	164.0516	1070.47	1713.541	535.4990048	933.0952	1570.387431	3862.41152	1332.761	-	-	-	-	-	-	-	0.18421613
Sand sediment (%)	IND	A	0	5	5	0	10.6	87.8	NA	NA	50.4	16.46812	18.12308	82.67692	10.9	70.1	72.6	-	36.82384	-	-	-	-	-	-	-	0.527089257
Solids sediment (%)	IND	A	0	7	7	0	39.5	80.6	NA	NA	54.37143	5.747907	43.10574	65.63712	41.7	46.7	65.3	-	15.20753	-	-	-	-	-	-	-	0.163734354
Storm Event Flow Volume water (m3)	IND	A	0	66	66	0	126.8106	5591.152	NA	NA	1593.02	168.0337	1263.68	1922.36	597.48448	1029.875	2066.843232	3862.41152	1365.112	-	-	-	-	-	-	-	0.133324382
Surfactants water (ug/L)	IND	A	25	56	42	14	27	830	20	50	99.9533	16.51756	67.57947	132.3271	32	63	111	180	123.6061	-	-	-	-	-	-	-	0.054973957
Total Benzofluoranthenes sediment (ug/Kg)	IND	A	0	6	6	0	110	1610	NA	NA	705	257.7305	199.8575	1210.142	370	370	1400	-	631.3082	-	-	-	-	-	-	-	0.301699582
Total Benzofluoranthenes water (ug/L)	IND	B	70.3	64	19	45	0.008	0.72	0.003	0.2	-	-	-	-	-	-	-	-	-	0.043056	0.001729228	0.006543	0.021750638	0.152	0.109866	-	0.040887686
Total Kjeldahl Nitrogen water (ug/L)	IND	A	1.9	53	52	1	150	3230	30	30	1027.736	84.82323	861.4854	1193.986	623	920	1220	1630	617.5224	-	-	-	-	-	-	-	0.074740357
Total Organic Carbon sediment (%)	IND	A	0	6	6	0	3.04	9.12	NA	NA	6.231667	1.052563	4.168681	8.294653	4	4.93	8.73	-	2.578243	-	-	-	-	-	-	-	0.331975467
Total PAH sediment (ug/Kg)	IND	A	0	9	9	0	210	10220	NA	NA	2962.444	1271.584	470.1846	5454.704	523	1625	2348	-	3814.753	-	-	-	-	-	-	-	0.020921335
Total PAH water (ug/L)	IND	A	15.6	64	54	10	0.03	4.12	0.1	0.2	0.411636	0.096351	0.222791	0.600482	0.06	0.105	0.34	0.91	0.770811	-	-	-	-	-	-	-	0.011427912
Total PCB sediment (ug/Kg)	IND	A	50	6	3	3	41	167	4.4	18	70.66667	23.54015	24.52881	116.8045	-	-	93	-	57.66137	-	-	-	-	-	-	-	0.12133525
Total PCB water (ug/L)	IND	A	33.3	9	6	3	0.01	0.029	0.01	0.01	0.014556	0.00231	0.010028	0.019083	-	0.011	0.015	-	0.00693	-	-	-	-	-	-	-	0.336668368
Total Phosphorus water (ug/L)	IND	A	2	51	50	1	56	972	107	107	212.6635	22.02016	169.5048	255.8222	111	171	254	336	157.2554	-	-	-	-	-	-	-	0.81351516
Total Phthalate sediment (ug/Kg)	IND	A	18.2	11	9	2	81	94000	33	51	18617.36	8874.325	1224.007	36010.72	81	2896	24000	47000	29432.81	-	-	-	-	-	-	-	0.634991791
Total Phthalate water (ug/L)	IND	A	18.8	64	52	12	0.276	11.2	0.407	2	1.980484	0.283168	1.425485	2.535483	0.59	1.343	1.828	5	2.265344	-	-	-	-	-	-	-	0.912056565
Total Suspended Solids water (ug/L)	IND	A	0	62	62	0	6200	455000	NA	NA	65120.48	9669.429	46168.75	84072.22	28800	48000	69000	109000	76137.16	-	-	-	-	-	-	-	0.115492261
Total TPHDx sediment (ug/Kg)	IND	A	0	5	5	0	120000	3100000	NA	NA	1564000	598252.5	391446.7	2736553	510000	1290000	2800000	-	1337733	-	-	-	-	-	-	-	NA
Total TPHDx water (ug/L)	IND	A	11.1	54	48	6	110	4200	70	300	1171.875	148.586	880.6518	1463.098	230	890	1810	2790	1091.88	-	-	-	-	-	-	-	0.875059515
Triclopyr water (ug/L)	IND	C	94.3	53	3	50	0.32	0.59	0.078	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.495366299
Turbidity water (NTU)	IND	A	0	42	42	0	7.02	200	NA	NA	48.78857	6.011137	37.00696	60.57018	30	34.5	58	87.5	38.95662	-	-	-	-	-	-	-	0.806925973
Zinc sediment (ug/Kg)	IND	A	0	6	6	0	373000	1010000	NA	NA	664333.3	102283.5	463861.4	864805.3	481000	498000	860000	-	250542.3	-	-	-	-	-	-	-	0.331975467
Zinc water (ug/L)	IND	A	0	65	65	0	27.7	420	NA	NA	133.8538	8.789144	116.6274	151.0803	85.2	123	153	192	70.86034	-	-	-	-	-	-	-	0.588362334
Zinc water dissolved (ug/L)	IND	A	1.5	65	64	1	12	235	36.5	36.5	49.79968	3.966159	42.02615	57.57321	34	39	57	79	31.9762	-	-	-	-	-	-	-	0.098179482
1-Methylnaphthalene sediment (ug/Kg)	LDR	B	60	5	2	3	1.07	4.5	0.1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.205903211
1-Methylnaphthalene water (ug/L)	LDR	C	100	42	0	42	NA	NA	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2-Methylnaphthalene sediment (ug/Kg)	LDR	C	81.8	11	2	9	2.42	9.52	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.167901159
2-Methylnaphthalene water (ug/L)	LDR	C	100	112	0	112	NA	NA	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2-Nitrophenol sediment (ug/Kg)	LDR	C	100	4	0	4	NA	NA	1	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4-D sediment (ug/Kg)	LDR	B	80	5	1	4	340	340	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.617075077
2,4-D water (ug/L)	LDR	C	90.8	120	11	109	0.02	28.4	0.05	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.853720877
2,4-Dichlorophenol sediment (ug/Kg)	LDR	C	100	4	0	4	NA	NA	1	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4-Dimethylphenol sediment (ug/Kg)	LDR	C	100	8	0	8	NA	NA	1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4,5-Trichlorophenol sediment (ug/Kg)	LDR	C	100	4	0	4	NA	NA	1	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2,4,6-Trichlorophenol sediment (ug/Kg)	LDR	C	100	4	0	4	NA	NA	1	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
4-Chloro-3-Methylphenol sediment (ug/Kg)	LDR	C	100	3	0	3	NA	NA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
4-Nitrophenol sediment (ug/Kg)	LDR	B	66.7	3	1	2	4.64	4.64	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Acenaphthene sediment (ug/Kg)	LDR	C	81.8	11	2	9	20	33.8	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.182422439
Acenaphthene water (ug/L)	LDR	C	99.1	112	1	111	0.1	0.1	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.617075077
Acenaphthylene sediment (ug/Kg)	LDR	C	100	11	0	11	NA	NA	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Acenaphthylene water (ug/L)	LDR	C	100	112	0	112	NA	NA	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Anthracene sediment (ug/Kg)	LDR	C	81.8	11	2	9	121	182	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.227799994

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			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value
Anthracene water (ug/L)	LDR	C	95.5	112	5	107	0.0097	0.25	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.092067678
Arsenic water dissolved (ug/L)	LDR	A	0	15	15	0	0.17	1.04	NA	NA	0.322667	0.056522	0.211886	0.433448	0.2	0.25	0.4	0.46	0.218909	-	-	-	-	-	-	-	0.048182342
Benz(a)anthracene sediment (ug/Kg)	LDR	A	50	8	4	4	22	4350	1	220	822.165	609.036	-371.524	2015.854	-	22	43.1	-	1722.614	-	-	-	-	-	-	-	0.036784523
Benz(a)anthracene water (ug/L)	LDR	B	56.1	66	29	37	0.019	0.364	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.045399	0.010096756	0.022291	0.047743803	0.1227	0.062122	-	0.789193958
Benzene water (ug/L)	LDR	C	100	46	0	46	NA	NA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Benzo(a)pyrene sediment (ug/Kg)	LDR	B	63.6	11	4	7	55.2	5540	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.047406508
Benzo(a)pyrene water (ug/L)	LDR	B	73.9	111	29	82	0.017	0.87	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.058541	0.009420131	0.022389	0.057220075	0.151	0.108325	-	0.953408341
Benzo(b)fluoranthene sediment (ug/Kg)	LDR	B	66.7	9	3	6	1.07	82.4	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.174299554
Benzo(b)fluoranthene water (ug/L)	LDR	C	85	100	15	85	0.0381	1.01	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.773487471
Benzo(g,h,i)perylene sediment (ug/Kg)	LDR	B	62.5	8	3	5	36.8	2810	1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.070701145
Benzo(g,h,i)perylene water (ug/L)	LDR	B	76.8	112	26	86	0.0234	1.28	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.053719	0.006732627	0.015707	0.047434825	0.1177	0.135933	-	0.284240618
Benzo(k)fluoranthene sediment (ug/Kg)	LDR	B	77.8	9	2	7	68.3	79.2	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07363827
Benzo(k)fluoranthene water (ug/L)	LDR	C	84	100	16	84	0.02	1.28	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.726529659
Benzofluoranthenes, Total sediment (ug/Kg)	LDR	A	0	2	2	0	5650	14100	NA	NA	9875	4225	1594.152	18155.85	5650	-	-	-	5975.052	-	-	-	-	-	-	-	NA
Benzofluoranthenes, Total water (ug/L)	LDR	A	8.3	12	11	1	0.0993	1.16	0.094	0.094	0.2973	0.085101	0.130506	0.464094	0.122	0.18	0.352	0.419	0.294798	-	-	-	-	-	-	-	0.817361331
Biochemical Oxygen Demand water (ug/L)	LDR	B	62.4	101	38	63	1200	40500	1000	10000	-	-	-	-	-	-	-	-	-	2470.765	556.00843	1178.548	2600	4600	5072.723	-	0.000160825
Bis(2-ethylhexyl) phthalate sediment (ug/Kg)	LDR	A	27.3	11	8	3	21.6	5390	20	2200	1110.889	585.7108	-37.0833	2258.861	21.6	159	881	4400	1942.583	-	-	-	-	-	-	-	0.575750174
Bis(2-ethylhexyl) phthalate water (ug/L)	LDR	B	70.5	112	33	79	0.15	16.1	0.024	10.1	-	-	-	-	-	-	-	-	-	0.725205	0.063787992	0.134611	0.442563919	1.596	2.028953	-	0.187907121
BTEX water (ug/L)	LDR	C	100	46	0	46	NA	NA	1	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Butyl benzyl phthalate sediment (ug/Kg)	LDR	B	54.5	11	5	6	21.5	5600	1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.454170343
Butyl benzyl phthalate water (ug/L)	LDR	C	82.1	112	20	92	0.022	1.35	0.018	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.708938124
Cadmium sediment (ug/Kg)	LDR	A	9.1	11	10	1	100	900	2.5	2.5	351.6364	78.14837	198.4684	504.8044	150	256	520	700	259.1888	-	-	-	-	-	-	-	0.852683684
Cadmium water (ug/L)	LDR	B	50.4	115	57	58	0.011	0.64	0.025	1	-	-	-	-	-	-	-	-	-	0.060747	0.019385716	0.033411	0.0635	0.136	0.086484	-	0.608305393
Cadmium water dissolved (ug/L)	LDR	B	57.4	115	49	66	0.003	0.87	0.007	0.05	-	-	-	-	-	-	-	-	-	0.032607	0.009685508	0.017	0.032671255	0.050002249	0.082323	-	0.247273077
Calcium water (ug/L)	LDR	A	0	76	76	0	2200	18000	NA	NA	8711.842	472.382	7785.99	9637.694	5270	8500	12000	15000	4118.131	-	-	-	-	-	-	-	0.060507562
Chloride water (ug/L)	LDR	A	0.9	112	111	1	658	45600	250	250	6385.295	599.0921	5211.096	7559.494	2800	4800	8000	11000	6340.195	-	-	-	-	-	-	-	0.083053174
Chlorpyrifos sediment (ug/Kg)	LDR	C	100	11	0	11	NA	NA	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Chlorpyrifos water (ug/L)	LDR	C	100	120	0	120	NA	NA	0.024	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Chrysene sediment (ug/Kg)	LDR	A	45.5	11	6	5	23	7460	1	220	1079.831	731.8564	-354.581	2514.243	-	23	809	3240	2427.293	-	-	-	-	-	-	-	0.011424229
Chrysene water (ug/L)	LDR	B	74.1	112	29	83	0.0226	1.41	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.072355	0.011514118	0.027427	0.071436587	0.1781	0.154414	-	0.602334203
Conductivity water (uS/cm)	LDR	A	0	115	115	0	26	581	NA	NA	111.373	6.186243	99.24823	123.4979	67.9	99	139	190	66.34007	-	-	-	-	-	-	-	0.099350769
Copper sediment (ug/Kg)	LDR	A	0	11	11	0	190	30200	NA	NA	14846.36	2907.306	9148.149	20544.58	7200	15000	23900	26000	9642.442	-	-	-	-	-	-	-	0.065599692
Copper water (ug/L)	LDR	A	3.3	120	116	4	0.38	12.6	0.5	0.5	3.3545	0.200667	2.961201	3.747799	1.8	2.82	4.69	6.13	2.198192	-	-	-	-	-	-	-	0.013939579
Copper water dissolved (ug/L)	LDR	A	2.9	102	99	3	0.62	12.7	0.1	3.33	2.402604	0.174055	2.061461	2.743746	1.3	1.84	3	4.55	1.757874	-	-	-	-	-	-	-	1.93121E-06
CPAH sediment (ug/Kg)	LDR	A	36.4	11	7	4	1.07	20719	1	220	3166.849	2068.083	-886.519	7220.216	-	45	2249	10916	6859.055	-	-	-	-	-	-	-	0.015886158
CPAH water (ug/L)	LDR	B	66.1	112	38	74	0.019	7.15	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.251698	0.011409343	0.036022	0.1704	0.64324	0.739346	-	0.733077303
Di-N-Octyl Phthalate sediment (ug/Kg)	LDR	C	100	11	0	11	NA	NA	1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Di-N-Octyl Phthalate water (ug/L)	LDR	C	98.2	112	2	110	0.018	1.5	0.018	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.520710694
Diazinon sediment (ug/Kg)	LDR	C	100	11	0	11	NA	NA	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Diazinon water (ug/L)	LDR	C	100	120	0	120	NA	NA	0.024	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Dibenzo(a,h)anthracene sediment (ug/Kg)	LDR	B	63.6	11	4	7	14.8	786	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.047406508
Dibenzo(a,h)anthracene water (ug/L)	LDR	C	85.7	112	16	96	0.015	1.36	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.069236289
Dibutyl phthalate sediment (ug/Kg)	LDR	C	81.8	11	2	9	16	1800	1	430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.185876732
Dibutyl phthalate water (ug/L)	LDR	B	69.6	112	34	78	0.025	1.73	0.024	1	-	-	-	-	-	-	-	-	-	0.062472	0.026391197	0.0381	0.057153656	0.097214185	0.162399	-	0.888308713
Dichlobenil sediment (ug/Kg)	LDR	C	83.3	6	1	5	18	18	0.1	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.479500122
Dichlobenil water (ug/L)	LDR	C	98.2	113	2	111	0.026	0.037	0.007	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.576022543
Diesel Range Organics water (ug/L)	LDR	B	50.5	105	52	53	13	1200	50	210	-	-	-	-	-	-	-	-	-	108.4948	28	57.15623	110	206	167.3678	-	0.006572754
Diethyl phthalate sediment (ug/Kg)	LDR	C	100	11	0	11	NA	NA	1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Diethyl phthalate water (ug/L)	LDR	B	58	112	47	65	0.033	1.09	0.479	2.9	-	-	-	-	-	-	-	-	-	0.21144	0.054939393	0.12267	0.2965	0.567506881	0.21719	-	0.886444256
Dimethyl phthalate sediment (ug/Kg)	LDR	C	90.9	11	1	10	28	28	1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.414216178
Dimethyl phthalate water (ug/L)	LDR	B	72.3	112	31	81	0.026	0.31	0.024	1	-	-	-	-	-	-	-	-	-	0.047537	0.017326598	0.034	0.057048851	0.0798	0.052524	-	0.317691006
Ethylbenzene water (ug/L)	LDR	C	100	46	0	46	NA	NA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Fecal coliform water (cfu/100mL)	LDR	A	19.4	103	83	20	1	16000	1	2	675.4175	208.569	266.6297	1084.205	4	47	350	1600	2116.744	-	-	-	-	-	-	-	0.005690349
Fines sediment (%)	LDR	A	0	10	10	0	13.2	169.9	NA	NA	61.461	14.16205	33.70389	89.21811	27.64	51.8	78.7	-	44.78434	-	-	-	-	-	-	-	0.678302466
Fluoranthene sediment (ug/Kg)	LDR	A	27.3	11	8	3	1.02	13600	1	220	2014.645	1335.669	-603.219	4632.509	1.02	28	1420	6820	4429.914	-	-	-	-	-	-	-	0.011424229
Fluoranthene water (ug/L)	LDR	B	74.1	112	29	83	0.016	1.33	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.084902	0.006201781	0.019668	0.073914267	0.2762	0.175113	-	0.290661893
Fluorene sediment (ug/Kg)	LDR	C	81.8	11	2	9	26.9	40.8	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.182422439
Fluorene water (ug/L)	LDR	C	99.1	112	1	111	0.011	0.011	0.0094	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.676657322
Gasoline Range Organics water (ug/L)	LDR	C	100	105	0	105	NA	NA	13	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Gravel sediment (%)	LDR	A	10	10	9	1	0.2	59.2	0.1	0.1	12.037	6.419845	-0.54567	24.61967	0.5	1.2	16.8	-	20.30133	-	-	-	-	-	-	-	0.406786833
Hardness as CaCO3 water (ug/L)	LDR	A	0	115	115	0	7960	71000	NA	NA	30590.96	1225.413	28189.19	32992.72	20300	29000	38000	51400	13141.09	-	-	-	-	-	-	-	0.038235182
Heavy Fuel Oil water (ug/L)	LDR	A	39.5	81	49	32	21	1000	20	500	204.5432	25.85626	153.8659	255.2205	60	140	220	520	232.7063	-	-	-	-	-	-	-	0.007846073
HPAH sediment (ug/Kg)	LDR	A	15.4	13	11	2	3.46	64929	1	220	15357.72	6921.928	1790.995	28924.45	17.6	727.5	31376	64900	24957.37	-	-	-	-	-	-	-	0.022722737
HPAH water (ug/L)	LDR	B	60.7	112	44	68	0.019	9.51	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.467507	0.020731447	0.059131	0.3903	1.47314	1.174747	-	0.93249291
Indeno(1,2,3-cd)pyrene sediment (ug/Kg)	LDR	B	54.5	11	5	6	38.7	2700	1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.018964762
Indeno(1,2,3-cd)pyrene water (ug/L)	LDR	B	75.9	112	27	85	0.019	1.22	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.053294	0.007579764	0.017659	0.053044777	0.1218	0.126977	-	0.360392144
Lead sediment (ug/Kg)	LDR	A	9.1	11	10	1	2300	27100	10	10	11817.27	2727.986	6470.518	17164.03	3190	9200	20100	23400	9047.706	-	-	-	-	-	-	-	0.365276044
Lead water (ug/L)	LDR	A	1.8	114	112	2	0.1	9	0.05	0.05	1.154491	0.12802	0.903577	1.405406	0.425	0.72	1.29	2.5	1.366879	-	-	-	-	-	-	-	0.306715221
Lead water dissolved (ug/L)	LDR	A	32.1	109	74	35	0.016	2.14	0.05	0.1	0.137557	0.024356	0.089821	0.185294	0.036	0.065	0.14	0.26	0.25428	-	-	-	-	-	-	-	0.316130065
LPAH sediment (ug/Kg)	LDR	A	15.4	13	11	2	3.72	2816.6	0.1	220	665.0728	299.0817	78.8834	1251.262	6.32	40	1347.9	2810	1078.354	-	-	-	-	-	-	-	0.176144479
LPAH water (ug/L)	LDR	B	56.2	112	49	63	0.015	0.37	0.011	0.5	-	-	-	-	-	-	-	-	-	0.063517	0.025999541	0.044914	0.075622678	0.12337	0.058902	-	0.91392545
Lube Oil water (ug/L)	LDR	C	100	23	0	23	NA	NA	190	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Magnesium water (ug/L)	LDR	A	0	76	76	0	557	6400	NA	NA	1994.25	133.4562	1732.681	2255.819	1450	1600	2100	3800	1163.445	-	-	-	-	-	-	-	0.017739669
Malathion sediment (ug/Kg)	LDR	C	100	11	0	11	NA	NA	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Malathion water (ug/L)	LDR	C	99.2	120	1	119	0.12	0.12	0.017	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.594032341
Mecoprop sediment (ug/Kg)	LDR	B	80	5	1	4	6500	6500	10	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.045500264
Mecoprop water (ug/L)	LDR	C	95	120	6	114	6.7	20.5	0.02	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.829855137
Mercury sediment (ug/Kg)	LDR	A	42.9	7	4	3	12	50	50	50	30.28571	7.830567	14.93808	45.63334	12	27	42	-	20.71773	-	-	-	-	-	-	-	0.386476231
Mercury water (ug/L)	LDR	C	97.3	37	1	36	0.3	0.3	0.02	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.011412036
Mercury water dissolved (ug/L)	LDR	C	97.3	37	1	36	0.3	0.3	0.02	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.011412036
Naphthalene sediment (ug/Kg)	LDR	B	72.7	11	3	8	1.56	9.07	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.061535757
Naphthalene water (ug/L)	LDR	B	66.7	111	37	74	0.01	0.208	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.032504	0.008794979	0.018241	0.038645717	0.079721783	0.03935	-	0.313989417
Nitrite-Nitrate water dissolved (ug/L)	LDR	A	0	114	114	0	46	4000	NA	NA	822.807	77.0684	671.7557	973.8583	213	510	1200	2000	822.8654	-	-	-	-	-	-	-	0.48619429
o-Cresol sediment (ug/Kg)	LDR	C	100	8	0	8	NA	NA	1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)								
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value
Ortho-phosphate water dissolved (ug/L)	LDR	A	1.8	114	112	2	6	211	5	5	46.18904	3.372935	39.5782	52.79987	23.1	35	60.5	106	36.01309	-	-	-	-	-	-	-	5.00035E-06
p-Cresol sediment (ug/Kg)	LDR	A	50	8	4	4	2.46	150	13	220	31.28893	21.93202	-11.697	74.27489	2.46	7.35	31.3	150	62.03311	-	-	-	-	-	-	-	0.72903449
p-Cresol water (ug/L)	LDR	C	100	11	0	11	NA	NA	0.047	0.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCB-aroclor 1016 sediment (ug/Kg)	LDR	C	100	2	0	2	NA	NA	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
PCB-aroclor 1221 sediment (ug/Kg)	LDR	C	100	2	0	2	NA	NA	10	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
PCB-aroclor 1232 sediment (ug/Kg)	LDR	C	100	2	0	2	NA	NA	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
PCB-aroclor 1242 sediment (ug/Kg)	LDR	C	100	2	0	2	NA	NA	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
PCB-aroclor 1248 sediment (ug/Kg)	LDR	C	100	2	0	2	NA	NA	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
PCB-aroclor 1254 sediment (ug/Kg)	LDR	C	100	2	0	2	NA	NA	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
PCB-aroclor 1260 sediment (ug/Kg)	LDR	C	100	2	0	2	NA	NA	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Pentachlorophenol sediment (ug/Kg)	LDR	C	90.9	11	1	10	258	258	1	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.414216178
Pentachlorophenol water (ug/L)	LDR	C	83.8	111	18	93	0.02	0.521	0.02	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.753315119
Phenanthrene sediment (ug/Kg)	LDR	A	18.2	11	9	2	2.16	2560	0.1	220	367.7711	245.4904	-113.381	848.9235	4.32	35.6	120	1180	814.1996	-	-	-	-	-	-	-	0.337088094
Phenanthrene water (ug/L)	LDR	B	76.8	112	26	86	0.018	0.275	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.036405	0.01225655	0.02285	0.045503774	0.07502	0.039805	-	0.621074787
Phenol sediment (ug/Kg)	LDR	B	66.7	9	3	6	4.52	170	1	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.386476231
Phenol water (ug/L)	LDR	C	81.8	11	2	9	0.098	0.282	0.047	0.056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.492716677
Precipitation water (in)	LDR	A	0	91	91	0	0.1	3.7	NA	NA	0.717912	0.063182	0.594077	0.841747	0.36	0.54	0.86	1.16	0.602719	-	-	-	-	-	-	-	0.575363104
Prometon sediment (ug/Kg)	LDR	C	100	6	0	6	NA	NA	0.1	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Prometon water (ug/L)	LDR	C	98.2	113	2	111	0.055	0.085	0.005	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.587936746
Pyrene sediment (ug/Kg)	LDR	A	18.2	11	9	2	1.37	13700	1	220	1962.269	1297.684	-581.145	4505.683	10.1	120	1630	5750	4303.931	-	-	-	-	-	-	-	0.02368982
Pyrene water (ug/L)	LDR	B	68.8	112	35	77	0.012	1.15	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.083326	0.009687809	0.024354	0.079262794	0.2054	0.158019	-	0.70077667
Sampled-Event Flow Volume water (m3)	LDR	A	0	105	105	0	2	8715.911	NA	NA	953.8068	132.0261	695.0405	1212.573	61.84672288	415.9285	1168.77592	3185.64	1352.865	-	-	-	-	-	-	-	0.11888526
Sand sediment (%)	LDR	A	0	10	10	0	20.1	146.2	NA	NA	70.125	11.28243	48.01185	92.23815	52.5	69.6	79.3	-	35.67817	-	-	-	-	-	-	-	0.834827329
Solids sediment (%)	LDR	A	0	11	11	0	2	87.8	NA	NA	48.38182	7.992199	32.7174	64.04624	27.5	47.1	70.8	71	26.50712	-	-	-	-	-	-	-	0.585440935
Storm Event Flow Volume water (m3)	LDR	A	0	111	111	0	2.2	17627.14	NA	NA	1699.2	254.5169	1200.356	2198.043	157.4	743.2027	2123.873267	4687.452636	2681.502	-	-	-	-	-	-	-	0.144451924
Surfactants water (ug/L)	LDR	B	70.5	112	33	79	25	400	16	96	-	-	-	-	-	-	-	-	-	38.67981	5.40729805	14.03141	36.60394367	126	66.28475	-	0.149326971
Toluene water (ug/L)	LDR	C	100	46	0	46	NA	NA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total Benzofluoranthenes sediment (ug/Kg)	LDR	B	54.5	11	5	6	1.07	14100	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.118056243
Total Benzofluoranthenes water (ug/L)	LDR	B	75.9	112	27	85	0.0623	2.29	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.101616	0.009755142	0.026274	0.084360898	0.22331	0.257671	-	0.578005134
Total Kjeldahl Nitrogen water (ug/L)	LDR	A	10.6	113	101	12	100	3660	100	500	764.0159	60.95777	644.5409	883.4909	345	600	920	1570	647.99	-	-	-	-	-	-	-	0.250992837
Total Organic Carbon sediment (%)	LDR	A	0	11	11	0	1.17	68	NA	NA	12.93636	5.756001	1.654808	24.21792	3.61	7.5	12.2	20.4	19.0905	-	-	-	-	-	-	-	0.142213242
Total PAH sediment (ug/Kg)	LDR	A	9.1	11	10	1	7.18	67745.6	220	220	9800.22	6522.672	-2983.98	22584.42	54.97	240	5299	32723.9	21633.26	-	-	-	-	-	-	-	0.040471605
Total PAH water (ug/L)	LDR	A	48.2	112	58	54	0.021	9.88	0.031	0.5	0.500675	0.116439	0.272459	0.728891	0.036	0.056	0.4481	1.5	1.232273	-	-	-	-	-	-	-	0.999394502
Total PCB sediment (ug/Kg)	LDR	C	100	2	0	2	NA	NA	10	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA
Total Phosphorus water (ug/L)	LDR	A	0.8	121	120	1	9.2	4600	10	10	142.5174	37.83113	68.3697	216.665	50	90	144	203	416.1425	-	-	-	-	-	-	-	0.000329567
Total Phthalate sediment (ug/Kg)	LDR	A	18.2	11	9	2	21.5	11800	20	2200	1840.357	1114.521	-344.065	4024.779	21.6	208	1218	5390	3696.449	-	-	-	-	-	-	-	0.713042623
Total Phthalate water (ug/L)	LDR	A	36.6	112	71	41	0.048	16.1	0.479	1	0.947993	0.195763	0.564305	1.33168	0.177	0.4474	0.7731	1.6	2.071756	-	-	-	-	-	-	-	0.435082702
Total Suspended Solids water (ug/L)	LDR	A	1.7	115	113	2	1000	4700000	1000	5000	66811.34	40795.66	-13146.7	146769.4	7000	14000	28500	61000	437484.7	-	-	-	-	-	-	-	0.352879732
Total TPHDx water (ug/L)	LDR	A	50	106	53	53	14	2200	100	500	260.159	35.62451	190.3362	329.9818	71	113	300	650	366.7768	-	-	-	-	-	-	-	0.049490937
Total Xylenes water (ug/L)	LDR	C	100	46	0	46	NA	NA	1	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Triclopyr sediment (ug/Kg)	LDR	B	80	5	1	4	310	310	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.617075077
Triclopyr water (ug/L)	LDR	C	85	113	17	96	0.02	18.3	0.05	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.438831811
Turbidity water (NTU)	LDR	A	0	112	112	0	0.98	150	NA	NA	17.82911	2.220774	13.47647	22.18174	4.7	11	20	34	23.50247	-	-	-	-	-	-	-	0.226754666
Zinc sediment (ug/Kg)	LDR	A	0	11	11	0	1390	126000	NA	NA	75790	13408.37	49510.08	102069.9	44200	81700	116000	124000	44470.53	-	-	-	-	-	-	-	0.577468662
Zinc water (ug/L)	LDR	A	1.8	112	110	2	2.6	92.6	0.5	0.5	20.34277	1.71266	16.98602	23.69952	7.18	13.7	27.4	40	18.12509	-	-	-	-	-	-	-	6.19565E-08
Zinc water dissolved (ug/L)	LDR	A	9.5	105	95	10	0.5	70	0.5	2.7	13.25842	1.534032	10.25177	16.26506	2.71	6	18.5	34	15.71915	-	-	-	-	-	-	-	0.000298476
Precipitation water (in)		A	0	124	124	0	0.14	2.83	NA	NA	0.60879	0.042661	0.525177	0.692404	0.27	0.44	0.83	1.18	0.475048	-	-	-	-	-	-	-	0.187718303

Table G-3. Statistical summary of contaminant concentrations by parameter, media and season.

Parameter and matrix	Season	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)							Peto Prentice test (Land use significance)		
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df
1-Methylnaphthalene sediment (ug/Kg)	Dry	B	64.5	31	11	20	5.3	870	0.1	690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Methylnaphthalene water (ug/L)	Dry	C	100	62	0	62	-	-	0.1	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene sediment (ug/Kg)	Dry	B	64.3	56	20	36	8.7	1500	0.1	690	-	-	-	-	-	-	-	-	-	114.380	8.527	16.247	74.750	295.000	255.692	-	-	-
2-Methylnaphthalene water (ug/L)	Dry	C	91.5	130	11	119	0.008	1.5	0.004	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol sediment (ug/Kg)	Dry	C	100	7	0	7	-	-	5	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-D sediment (ug/Kg)	Dry	C	100	3	0	3	-	-	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-D water (ug/L)	Dry	B	71.9	128	36	92	0.07	4.8	0.05	1	-	-	-	-	-	-	-	-	-	0.428	0.015	0.050	0.215	1.550	0.961	-	-	-
2,4-Dichlorophenol sediment (ug/Kg)	Dry	C	100	8	0	8	-	-	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol sediment (ug/Kg)	Dry	C	100	26	0	26	-	-	3.1	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol sediment (ug/Kg)	Dry	C	100	8	0	8	-	-	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol sediment (ug/Kg)	Dry	C	100	7	0	7	-	-	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-Methylphenol sediment (ug/Kg)	Dry	C	100	5	0	5	-	-	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol sediment (ug/Kg)	Dry	C	100	5	0	5	-	-	5	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene sediment (ug/Kg)	Dry	A	44.6	56	31	25	8.7	8900	0.1	530	1039.5	258.2	533.5	1545.6	-	37.4	1200.0	3400.0	1932.1	-	-	-	-	-	-	0.000202	19.6	3
Acenaphthene water (ug/L)	Dry	C	94.6	130	7	123	0.016	1.5	0.004	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene sediment (ug/Kg)	Dry	B	62.5	56	21	35	57	1600	0.1	530	-	-	-	-	-	-	-	-	-	259.903	52.664	70.616	397.500	805.000	355.610	-	-	-
Acenaphthylene water (ug/L)	Dry	C	95.4	130	6	124	0.022	1.5	0.005	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ammonia water (ug/L)	Dry	A	0	18	18	0	30	1260	-	-	300.4	72.0	159.4	441.5	120.0	163.0	333.0	774.0	305.3	-	-	-	-	-	-	0.449659	1.6	2
Anthracene sediment (ug/Kg)	Dry	A	25	56	42	14	17	30000	0.1	530	4262.3	938.2	2423.5	6101.1	48.0	170.0	7000.0	17000.0	7020.8	-	-	-	-	-	-	0.000566	17.5	3
Anthracene water (ug/L)	Dry	C	86.9	130	17	113	0.011	1.5	0.006	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic water dissolved (ug/L)	Dry	A	0	2	2	0	0.35	0.46	-	-	0.4	0.1	0.3	0.5	0.4	-	-	-	0.1	-	-	-	-	-	-	-	-	-
Benz(a)anthracene sediment (ug/Kg)	Dry	A	6	50	47	3	9.4	140000	41	500	22811.2	5071.2	12871.9	32750.5	193.0	823.0	36000.0	54000.0	35858.6	-	-	-	-	-	-	0.006421	12.3	3
Benz(a)anthracene water (ug/L)	Dry	B	67.4	95	31	64	0.006	8.4	0.005	0.5	-	-	-	-	-	-	-	-	-	0.396	0.001	0.005	0.040	0.984	1.332	-	-	-
Benzene water (ug/L)	Dry	C	100	30	0	30	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene sediment (ug/Kg)	Dry	A	14.3	56	48	8	16.2	180000	0.1	500	24775.5	5545.3	13907.0	35644.0	120.0	800.0	36000.0	77000.0	41496.9	-	-	-	-	-	-	0.000926	16.4	3
Benzo(a)pyrene water (ug/L)	Dry	B	73.8	130	34	96	0.008	9.9	0.007	0.5	-	-	-	-	-	-	-	-	-	0.378	0.001	0.006	0.063	0.991	1.365	-	-	-
Benzo(b)fluoranthene sediment (ug/Kg)	Dry	A	16	25	21	4	77.7	110000	0.1	220	17156.2	6181.6	5040.6	29271.9	111.0	240.0	28000.0	49000.0	30907.8	-	-	-	-	-	-	0.010353	9.1	2
Benzo(b)fluoranthene water (ug/L)	Dry	B	67.5	77	25	52	0.04	8.9	0.0099	0.5	-	-	-	-	-	-	-	-	-	0.586	0.002	0.015	0.130	1.580	1.698	-	-	-
Benzo(b,k)fluoranthene sediment (ug/Kg)	Dry	A	0	9	9	0	110	2900	-	-	1294.4	303.8	699.0	1889.9	370.0	1400.0	1700.0	-	911.4	-	-	-	-	-	-	-	-	-
Benzo(b,k)fluoranthene water (ug/L)	Dry	B	75	24	6	18	0.013	0.05	0.01	0.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene sediment (ug/Kg)	Dry	A	6	50	47	3	23.8	120000	110	500	18839.8	4177.4	10652.2	27027.4	290.0	934.0	28000.0	52000.0	29538.8	-	-	-	-	-	-	0.003087	13.9	3
Benzo(g,h,i)perylene water (ug/L)	Dry	B	62.3	130	49	81	0.004	7.8	0.006	0.5	-	-	-	-	-	-	-	-	-	0.333	0.003	0.015	0.101	0.829	1.092	-	-	-
Benzo(k)fluoranthene sediment (ug/Kg)	Dry	A	28	25	18	7	10.2	110000	0.1	530	15304.4	5473.2	4577.2	26031.7	48.9	198.0	28000.0	49000.0	27366.0	-	-	-	-	-	-	0.106811	4.5	2
Benzo(k)fluoranthene water (ug/L)	Dry	B	74	77	20	57	0.0366	8.9	0.0099	0.5	-	-	-	-	-	-	-	-	-	0.525	0.002	0.008	0.083	1.260	1.592	-	-	-
Benzofluoranthenes, Total sediment (ug/Kg)	Dry	A	0	29	29	0	177	340000	-	-	90051.0	17344.7	56056.1	124045.9	5650.0	62000.0	130000.0	260000.0	93403.9	-	-	-	-	-	-	0.075513	6.9	3
Benzofluoranthenes, Total water (ug/L)	Dry	B	65.5	29	10	19	0.0993	5.7	0.094	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand water (ug/L)	Dry	A	14.6	103	88	15	2100	59400	1000	10000	10390.9	1069.0	8295.7	12486.2	3400.0	7200.0	13100.0	21800.0	10849.4	-	-	-	-	-	-	0.001188	15.9	3
Bis(2-ethylhexyl) phthalate sediment (ug/Kg)	Dry	A	5.3	38	36	2	150	34000	61.8	2200	7830.7	1331.7	5220.5	10440.8	1800.0	4900.0	11600.0	19000.0	8209.4	-	-	-	-	-	-	2.64E-08	38.1	3
Bis(2-ethylhexyl) phthalate water (ug/L)	Dry	A	44.2	129	72	57	0.44	41.4	0.13	5.8	2.4	0.5	1.5	3.3	0.4	0.9	2.0	4.9	5.2	-	-	-	-	-	-	5.84E-10	45.9	3
BTEX water (ug/L)	Dry	C	100	30	0	30	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate sediment (ug/Kg)	Dry	A	34.2	38	25	13	21.5	60000	1	1300	2512.4	1620.8	-664.3	5689.0	21.5	210.0	468.0	2660.0	9991.0	-	-	-	-	-	-	0.004814	12.9	3
Butyl benzyl phthalate water (ug/L)	Dry	C	84.6	130	20	110	0.14	2.82	0.018	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium sediment (ug/Kg)	Dry	A	8.8	57	52	5	30	3930	2.5	401	883.9	96.1	695.7	1072.2	364.0	720.0	1200.0	1610.0	725.2	-	-	-	-	-	-	7.09E-05	21.8	3
Cadmium water (ug/L)	Dry	A	21.9	128	100	28	0.026	10.1	0.025	1	0.4	0.1	0.2	0.7	0.1	0.2	0.3	0.5	1.3	-	-	-	-	-	-	6.33E-09	41.1	3
Cadmium water dissolved (ug/L)	Dry	A	42.9	126	72	54	0.008	1.23	0.02	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.1	-	-	-	-	-	-	1.26E-09	44.4	3
Calcium water (ug/L)	Dry	A	0	77	77	0	1070	26500	-	-	8772.5	698.1	7404.2	10140.7	3500.0	6520.0	13500.0	17000.0	6125.7	-	-	-	-	-	-	2.06E-12	57.5	3
Calcium water dissolved (ug/L)	Dry	A	0	2	2	0	1640	2500	-	-	2070.0	430.0	1227.2	2912.8	1640.0	-	-	-	608.1	-	-	-	-	-	-	-	-	-
Chloride water (ug/L)	Dry	A	4.5	112	107	5	206	504000	100	250	8330.1	4476.4	-443.6	17103.7	1500.0	3170.0	5200.0	8200.0	47374.0	-	-	-	-	-	-	0.203518	4.6	3
Chlorpyrifos sediment (ug/Kg)	Dry	C	97.3	37	1	36	15	15	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos water (ug/L)	Dry	C	99.3	136	1	135	0.022	0.022	0.01	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene sediment (ug/Kg)	Dry	A	1.8	56	55	1	23	170000	220	220	27462.3	6155.6	15397.6	39527.0	310.0	1180.0	36000.0	77000.0	46064.2	-	-	-	-	-	-	0.000518	17.7	3
Chrysene water (ug/L)	Dry	B	66.2	130	44	86	0.004	11	0.003	0.5	-	-	-	-	-	-	-	-	-	0.430	0.001	0.009	0.067	0.973	1.534	-	-	-
Conductivity water (uS/cm)	Dry	A	0	127	127	0	9.6	790	-	-	108.6	9.6	89.7	127.5	40.0	85.0	140.0	190.0	108.6	-	-	-	-	-	-	5.42E-10	46.1	3
Copper sediment (ug/Kg)	Dry	A	0	55	55	0	190	1260000	-	-	139900.4	28182.0	84664.6	195136.2	30200.0	78200.0	161000.0	289000.0	209003.6	-	-	-	-	-	-	1.55E-05	25.0	3
Copper water (ug/L)	Dry	A	4.4	136	130	6	0.5	218	0.1	0.5	25.7	2.8	20.2	31.1	5.6	12.6	34.9	67.1	32.7	-	-	-	-	-	-	2.72E-12	56.9	3
Copper water dissolved (ug/L)	Dry	A	3.5	114	110	4	1.2	122	0.1	0.1	14.2	1.8	10.7	17.8	4.2	8.1	15.7	28.1	19.3	-	-	-	-	-	-	5.15E-10	46.2	3
CPAH sediment (ug/Kg)	Dry	A	1.7	59	58	1	45	750000	220	220	104507.4	23257.0	58924.4	150090.3	855.0	4060.0	157000.0	282000.0	178640.7	-	-	-	-	-	-	0.000827	16.7	3
CPAH water (ug/L)	Dry	B	58.5	130	54	76	0.004	57.1	0.0099	0.5	-	-	-	-	-	-	-	-	-	2.202	0.004	0.028	0.287	4.915	7.992	-	-	-
Di-N-Octyl Phthalate sediment (ug/Kg)	Dry	B	71.1	38	11	27	230	10000	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-N-Octyl Phthalate water (ug/L)	Dry	C	90.8	130	12	118	0.052	3.19	0.018	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon sediment (ug/Kg)	Dry	C	97.3	37	1	36	17	17	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon water (ug/L)	Dry	C	99.3	136	1	135	0.026	0.026	0.006	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene sediment (ug/Kg)	Dry	A	25	56	42	14	6.54	45000	0.1	530	6643.1	1453.7	3793.8	9492.3	38.0	240.0	10000.0	23000.0	10878.7	-	-	-	-	-	-	0.003481	13.6	3
Dibenzo(a,h)anthracene water (ug/L)	Dry	B	78.5	130	28	102	0.005	2.7	0.003	0.5	-	-	-	-	-	-	-	-	-	0.157	0.001	0.005	0.028	0.618	0.434	-	-	-
Dibutyl phthalate sediment (ug/Kg)	Dry	B	68.4	38	12	26	16	2070	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibutyl phthalate water (ug/L)	Dry	B	71.5	130	37	93	0.028	5.08	0.023	2	-	-	-	-	-	-	-	-	-	0.249	0.071	0.147	0.289	0.461	0.473	-	-	-
Dichlobenil sediment (ug/Kg)	Dry	C	100	6	0	6	-	-	0.1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlobenil water (ug/L)	Dry	B	59.1	132	54	78	0.012	1.1	0.007	1	-	-	-	-	-	-	-	-	-	0.076	0.014	0.030	0.058	0.149	0.149	-	-	-
Diesel Fuel sediment (ug/Kg)	Dry	A	0	18	18	0	430000	6700000	-	-	2237777.8	385327.8	1482549.2	2993006.3	940000.0	2000000.0	3100000.0	4400000.0	1634807.3	-	-	-	-	-	-	-	-	-
Diesel Fuel water (ug/L)	Dry	A	47.4	19	10	9	290	4900	100	100	764.7	252.2	270.5	1258.9	-	290.0	1000.0	1600.0	1099.1	-	-	-	-	-	-	-	-	-
Diesel Range Organics sediment (ug/Kg)	Dry	A	0	9	9	0	27000	510000	-	-	159444.4	49190.1	63033.5	255855.3	47000.0	130000.0	190000.0	-	147570.4	-	-	-	-	-	-	-	-	-
Diesel Range Organics water (ug/L)	Dry	A	34.1	88	58	30	22	4900	30	570	665.2	96.9	475.3	855.1	22.0	370.0	880.0	1900.0	909.0	-	-	-	-	-	-	0.002321	14.5	3
Diethyl phthalate sediment (ug/Kg)	Dry	C	92.1	38	3	35	81	123	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate water (ug/L)	Dry	B	70	130	39	91	0.038	8.9	0.14	2.9	-	-	-	-	-	-	-	-	-	0.350	0.102	0.203	0.348	0.654	0.810	-	-	-
Dimethyl phthalate sediment (ug/Kg)	Dry	B	76.3	38	9	29	28	380	1	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate water (ug/L)	Dry	C	85.4	130	19	111	0.042	2.8	0.021	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene water (ug/L)	Dry	C	100	30	0	30	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fecal coliform water (cfu/100mL)	Dry	A	5.7	105	99	6	5	1100000	1	2	14608.2	10464.1	-5901.0	35117.4	170.0	1220.0	5000.0	16000.0	107224.9	-	-	-	-	-	-	0.038887	8.4	3
Fines sediment (%)	Dry	A	0	54	54	0	3.5	177.4	-	-	41.8	5.4	31.2	52.3	17.8	27.6	58.7	86.9	39.4	-	-	-	-	-	-	0.21455	4.5	3
Fluoranthene sediment (ug/Kg)	Dry	A	3.6	56	54	2	28	590000	220	500	63271.1	15301.5	33280.8	93261.5	456.0	2300.0	86000.0	220000.0	114505.8	-	-	-	-	-	-	0.001325	15.7	3
Fluoranthene water (ug/L)	Dry	B	52.3	130	62	68	0.008	21	0.0099	0.5	-	-	-	-	-	-	-	-	-	0.766	0.010	0.032	0.140	1.213	2.875	-	-	-
Fluorene sediment (ug/Kg)	Dry	A	41.8	55	32	23	19.3	14000	0.1	530	1679.5	397.4	900.7	2458.3	-	69.0	2300.0	5900.0	2947.0	-	-	-	-	-	-	0.000206	19.6	3

Parameter and matrix	Season	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)							Peto Prentice test (Land use significance)		
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df
Fluorene water (ug/L)	Dry	C	92.3	130	10	120	0.009	1.5	0.005	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics water (ug/L)	Dry	C	95.5	88	4	84	12	16	10	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gravel sediment (%)	Dry	A	9.3	54	49	5	0	59.2	0.1	0.1	9.7	1.7	6.4	13.1	0.7	6.3	11.0	23.4	12.5	-	-	-	-	-	-	0.806497	1.0	3
Hardness as CaCO3 water (ug/L)	Dry	A	0	132	132	0	3600	170000	-	-	33364.3	2130.6	29188.4	37540.2	15200.0	27000.0	47200.0	65900.0	24478.7	-	-	-	-	-	-	1.92E-10	48.2	3
Heavy Fuel Oil sediment (ug/Kg)	Dry	A	0	9	9	0	820000	4500000	-	-	2236666.7	444040.8	1366362.7	3106970.6	1100000.0	2100000.0	3100000.0	-	1332122.4	-	-	-	-	-	-	-	-	-
Heavy Fuel Oil water (ug/L)	Dry	A	11.1	54	48	6	39	9000	80	500	1094.4	231.0	641.7	1547.0	180.0	550.0	1300.0	2400.0	1697.2	-	-	-	-	-	-	0.000138	20.4	3
HPAH sediment (ug/Kg)	Dry	A	1.5	67	66	1	98	1975000	220	220	236145.0	53986.5	130333.4	341956.5	1590.0	10020.0	371000.0	781000.0	441898.5	-	-	-	-	-	-	0.00159	15.3	3
HPAH water (ug/L)	Dry	A	41.5	130	76	54	0.019	103.9	0.031	1	4.0	1.3	1.6	6.5	0.0	0.1	0.7	8.4	14.5	-	-	-	-	-	-	5.23E-07	32.0	3
Indeno(1,2,3-cd)pyrene sediment (ug/Kg)	Dry	A	8.9	56	51	5	19.4	110000	40	500	16198.5	3600.2	9142.2	23254.8	147.0	712.0	21000.0	52000.0	26941.7	-	-	-	-	-	-	0.001983	14.8	3
Indeno(1,2,3-cd)pyrene water (ug/L)	Dry	B	70	130	39	91	0.005	7.3	0.003	0.5	-	-	-	-	-	-	-	-	-	0.319	0.001	0.006	0.067	0.934	1.023	-	-	-
Lead sediment (ug/Kg)	Dry	A	3.5	57	55	2	360	711000	10	10	171983.0	23320.9	126274.8	217691.2	27100.0	124000.0	248000.0	455000.0	176069.1	-	-	-	-	-	-	2.70E-06	28.6	3
Lead water (ug/L)	Dry	A	3.1	130	126	4	0.1	294	0.05	0.1	23.1	3.9	15.5	30.7	1.7	7.3	23.8	50.8	44.0	-	-	-	-	-	-	5.19E-12	55.6	3
Lead water dissolved (ug/L)	Dry	A	9.5	126	114	12	0.031	21.3	0.02	1	1.4	0.3	0.8	2.0	0.1	0.3	1.1	2.6	3.3	-	-	-	-	-	-	3.80E-11	51.5	3
LPAH sediment (ug/Kg)	Dry	A	7.9	63	58	5	35.6	267100	0.1	500	30148.7	7147.0	16140.8	44156.5	304.8	1350.0	47020.0	97250.0	56727.5	-	-	-	-	-	-	0.000881	16.5	3
LPAH water (ug/L)	Dry	A	46.2	130	70	60	0.009	11.75	0.027	0.5	0.6	0.2	0.3	0.9	0.0	0.0	0.1	1.1	1.9	-	-	-	-	-	-	2.76E-07	33.3	3
Lube Oil water (ug/L)	Dry	C	83.3	12	2	10	547	709	190	570	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium water (ug/L)	Dry	A	0	77	77	0	140	6400	-	-	1868.4	181.3	1513.0	2223.8	610.0	1430.0	2500.0	4120.0	1591.2	-	-	-	-	-	-	7.23E-08	36.1	3
Magnesium water dissolved (ug/L)	Dry	A	0	2	2	0	210	310	-	-	260.0	50.0	162.0	358.0	210.0	-	-	-	70.7	-	-	-	-	-	-	-	-	-	-
Malathion sediment (ug/Kg)	Dry	C	97.3	37	1	36	16	16	0.1	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malathion water (ug/L)	Dry	C	97.8	136	3	133	0.027	0.086	0.017	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mecoprop sediment (ug/Kg)	Dry	B	66.7	3	1	2	6500	6500	5000	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mecoprop water (ug/L)	Dry	C	82.2	129	23	106	0.083	24.9	0.02	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury sediment (ug/Kg)	Dry	A	8.3	48	44	4	12	442	5	61	109.9	12.9	84.6	135.2	36.0	80.0	160.0	220.0	89.4	-	-	-	-	-	-	0.030908	8.9	3
Mercury water (ug/L)	Dry	B	64.1	92	33	59	0.007	0.4	0.02	0.1	-	-	-	-	-	-	-	-	-	0.036	0.010	0.019	0.035	0.061	0.060	-	-	-
Mercury water dissolved (ug/L)	Dry	C	86.7	90	12	78	0.005	0.4	0.02	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Motor Oil sediment (ug/Kg)	Dry	A	0	18	18	0	820000	1.40E+07	-	-	7306666.7	870559.9	5600400.6	9012932.7	4600000.0	7700000.0	10000000.0	12000000.0	3693472.8	-	-	-	-	-	-	-	-	-
Motor Oil water (ug/L)	Dry	A	4	25	24	1	400	3800	500	500	1422.0	217.5	995.8	1848.2	730.0	980.0	1700.0	3600.0	1087.3	-	-	-	-	-	-	0.299391	2.4	2
Naphthalene sediment (ug/Kg)	Dry	A	42.9	56	32	24	5.4	6900	0.1	530	514.5	142.6	235.1	793.9	-	80.0	750.0	1200.0	1066.8	-	-	-	-	-	-	1.25E-05	25.4	3
Naphthalene water (ug/L)	Dry	B	69.2	130	40	90	0.006	1.5	0.006	0.5	-	-	-	-	-	-	-	-	-	0.059	0.006	0.012	0.034	0.080	0.196	-	-	-
Nitrite-Nitrate water dissolved (ug/L)	Dry	A	5.1	117	111	6	39	58000	98	770	1097.4	492.9	131.4	2063.4	245.0	462.0	820.0	1220.0	5331.2	-	-	-	-	-	-	0.025327	9.3	3
o-Cresol sediment (ug/Kg)	Dry	C	84.6	26	4	22	5.66	67	6	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil and grease water (ug/L)	Dry	C	100	9	0	9	-	-	500	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ortho-phosphate water dissolved (ug/L)	Dry	A	9.6	115	104	11	5	270	4	5	44.4	4.2	36.2	52.7	13.0	26.0	60.5	115.0	45.1	-	-	-	-	-	-	3.60E-05	23.2	3
p-Cresol sediment (ug/Kg)	Dry	A	23.1	26	20	6	7.47	24100	13	220	2009.4	1102.6	-151.6	4170.4	7.5	300.0	670.0	2690.0	5622.1	-	-	-	-	-	-	0.013086	10.8	3
p-Cresol water (ug/L)	Dry	C	100	5	0	5	-	-	0.047	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1016 sediment (ug/Kg)	Dry	C	100	24	0	24	-	-	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1016 water (ug/L)	Dry	C	100	6	0	6	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1221 sediment (ug/Kg)	Dry	C	100	24	0	24	-	-	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1221 water (ug/L)	Dry	C	100	6	0	6	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1232 sediment (ug/Kg)	Dry	C	100	24	0	24	-	-	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1232 water (ug/L)	Dry	C	100	6	0	6	-	-	0.01	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1242 sediment (ug/Kg)	Dry	C	100	24	0	24	-	-	0.05	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1242 water (ug/L)	Dry	C	100	6	0	6	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1248 sediment (ug/Kg)	Dry	C	95.8	24	1	23	38	38	0.05	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1248 water (ug/L)	Dry	C	100	6	0	6	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1254 sediment (ug/Kg)	Dry	B	66.7	24	8	16	5.9	650	0.05	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1254 water (ug/L)	Dry	A	33.3	6	4	2	0.01	0.024	0.01	0.01	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-	-	-	-	-	-	-
PCB-aroclor 1260 sediment (ug/Kg)	Dry	B	75	24	6	18	7.2	120	0.05	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1260 water (ug/L)	Dry	C	83.3	6	1	5	0.01	0.01	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol sediment (ug/Kg)	Dry	B	75.5	53	13	40	8	17800	1	3500	-	-	-	-	-	-	-	-	-	397.052	4.590	11.429	39.130	240.400	2441.408	-	-	-
Pentachlorophenol water (ug/L)	Dry	B	74.4	121	31	90	0.02	0.838	0.02	2.5	-	-	-	-	-	-	-	-	-	0.131	0.037	0.069	0.145	0.331	0.169	-	-	-
pH water (pH)	Dry	A	0	41	41	0	6	7.59	-	-	6.9	0.1	6.8	7.0	6.6	7.0	7.2	7.3	0.4	-	-	-	-	-	-	0.059934	5.6	2
Phenanthrene sediment (ug/Kg)	Dry	A	8.9	56	51	5	35.6	210000	0.1	500	26125.9	6196.9	13980.1	38271.6	216.0	1180.0	37000.0	79000.0	46373.5	-	-	-	-	-	-	0.000754	16.9	3
Phenanthrene water (ug/L)	Dry	B	53.1	130	61	69	0.009	9.8	0.009	0.5	-	-	-	-	-	-	-	-	-	0.350	0.011	0.027	0.108	0.921	1.304	-	-	-
Phenol sediment (ug/Kg)	Dry	B	65.6	32	11	21	8.14	1200	13	1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol water (ug/L)	Dry	C	100	5	0	5	-	-	0.047	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Precipitation water (in)	Dry	A	0	119	119	0	0.06	2.2	-	-	0.5	0.0	0.4	0.6	0.3	0.4	0.6	0.9	0.4	-	-	-	-	-	-	0.115236	7.4	4
Prometon sediment (ug/Kg)	Dry	C	100	6	0	6	-	-	0.1	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prometon water (ug/L)	Dry	C	94.7	131	7	124	0.024	0.8	0.005	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene sediment (ug/Kg)	Dry	A	3.6	56	54	2	25	280000	220	500	43503.7	9832.3	24232.7	62774.7	580.0	2100.0	62000.0	110000.0	73578.5	-	-	-	-	-	-	0.000489	17.8	3
Pyrene water (ug/L)	Dry	A	47.7	130	68	62	0.009	18	0.019	0.5	0.6	0.2	0.2	1.1	0.0	0.0	0.1	0.9	2.5	-	-	-	-	-	-	1.18E-06	30.3	3
Sampled-Event Flow Volume water (m3)	Dry	A	0	118	118	0	2	151757.1	-	-	3002.8	1357.1	343.0	5662.5	45.3	180.6	779.8	2602.8	14741.4	-	-	-	-	-	-	0.025553	9.3	3
Sand sediment (%)	Dry	A	0	54	54	0	5.3	150.8	-	-	76.7	3.8	69.2	84.2	64.9	77.8	85.1	95.8	28.2	-	-	-	-	-	-	0.618378	1.8	3
Solids sediment (%)	Dry	A	0	56	56	0	0.2	87.8	-	-	49.5	2.5	44.6	54.5	40.9	49.2	62.1	71.0	18.8	-	-	-	-	-	-	0.424551	2.8	3
Storm Event Flow Volume water (m3)	Dry	A	0	120	120	0	2.3	243082.3	-	-	4537.0	2136.5	349.6	8724.5	56.9	241.1	1183.6	3793.0	23404.1	-	-	-	-	-	-	0.050204	7.8	3
Surfactants water (ug/L)	Dry	A	30.8	120	83	37	25	690	20	50	114.5	11.7	91.6	137.4	-	64.0	140.0	260.0	128.2	-	-	-	-	-	-	9.15E-08	35.6	3
Toluene water (ug/L)	Dry	C	100	30	0	30	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Benzofluoranthenes sediment (ug/Kg)	Dry	A	7.3	55	51	4	110	340000	0.1	220	48026.2	10906.8	26649.2	69403.2	240.0	2000.0	71000.0	160000.0	80887.2	-	-	-	-	-	-	0.002045	14.7	3
Total Benzofluoranthenes water (ug/L)	Dry	B	67.7	130	42	88	0.013	17.8	0.0099	1	-	-	-	-	-	-	-	-	-	0.788	0.001	0.010	0.106	2.000	2.623	-	-	-
Total Kjeldahl Nitrogen water (ug/L)	Dry	A	5.9	119	112	7	100	15700	100	500	1884.6	204.7	1483.5	2285.8	783.0	1300.0	2160.0	3600.0	2232.9	-	-	-	-	-	-	0.006582	12.2	3
Total Organic Carbon sediment (%)	Dry	A	0	57	57	0	1.17	34.2	-	-	12.0	1.0	10.1	14.0	5.6	11.0	17.5	21.0	7.5	-	-	-	-	-	-	0.010205	11.3	3
Total PAH sediment (ug/Kg)	Dry	A	1.6	63	62	1	138	2242910	220	220	279259.3	64151.7	153524.2	404994.4	1625.0	8870.0	424130.0	878250.0	509188.7	-	-	-	-	-	-	0.00016	20.1	3
Total PAH water (ug/L)	Dry	A	36.2	130	83	47	0.022	115.65	0.031	1	4.6	1.4	1.9	7.4	0.1	0.1	0.8	12.0	16.1	-	-	-	-	-	-	4.88E-08	36.9	3
Total PCB sediment (ug/Kg)	Dry	B	58.3	24	10	14	8.48	770	0.05	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total PCB water (ug/L)	Dry	A	33.3	6	4	2	0.01	0.029	0.01	0.01	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-	-	-	-	-	-	-
Total Phosphorus water (ug/L)	Dry	A	1.6	128	126	2	10	1110	10	10	192.5	15.1	162.8	222.2	89.0	142.0	232.0	428.0	171.2	-	-	-	-	-	-	0.524303	2.2	3
Total Phthalate sediment (ug/Kg)	Dry	A	12.5	48	42	6	21.5	94000	33	2200	8682.3	2233.8	4304.2	13060.4	628.0	4220.0	12000.0	21370.0	15476.1	-	-	-	-	-	-	0.05915	7.4	3
Total Phthalate water (ug/L)	Dry	A	30.8	130	90	40	0.0712	41.4	0.407	5.8	2.8	0.5	1.9	3.7	0.5	1.3	2.3	6.6	5.5	-	-	-	-	-	-	8.41E-08	35.8	3
Total Suspended Solids water (ug/L)	Dry	A	0	130	130	0	1200	509000	-	-	60100.8	7059.1	46265.3	73936.3	15300.0	34600.0	68300.0	141000.0	80485.7	-	-	-	-	-	-	0.417543	2.8	3
Total TPHDx sediment (ug/Kg)	Dry	A	0	31	31	0	120000	20700000	-	-	6237580.6	1009015.7	4259946.2	8215215.1	1250000.0	3900000.0	10800000.0	13700000.0	5617961.8	-	-	-	-	-	-	0.009085	9.4	2
Total TPHDx water (ug/L)	Dry	A	23.4	107	82	25	61	12100	80	570	1555.3	213.3	1137.2	1973.3	180.0	840.0	1910.0	3800.0	2206.4	-	-	-	-	-	-	0.010265	11.3	3
Total Xylenes water (ug/L)	Dry	C	100	30	0	30	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPHGx water (ug/L)	Dry	C	100	9	0	9	-	-	50	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triclopyr sediment (ug/Kg)	Dry	C	100	3	0	3	-	-	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Parameter and matrix	Season	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)							Peto Prentice test (Land use significance)		
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df
Triclopyr water (ug/L)	Dry	C	83.7	123	20	103	0.05	1.38	0.05	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity water (NTU)	Dry	A	0	107	107	0	1.4	189	-	-	26.0	3.1	19.9	32.1	6.6	15.0	33.0	55.4	32.2	-	-	-	-	-	-	0.014439	10.5	3
Zinc sediment (ug/Kg)	Dry	A	0	57	57	0	1390	9250000	-	-	531998.9	159869.4	218660.6	845337.3	146000.0	333000.0	561000.0	841000.0	1206987.8	-	-	-	-	-	-	7.06E-05	21.8	3
Zinc water (ug/L)	Dry	A	2.4	124	121	3	1.4	1290	1	1	171.4	20.8	130.7	212.2	39.2	87.8	212.0	409.0	231.4	-	-	-	-	-	-	1.08E-10	49.4	3
Zinc water dissolved (ug/L)	Dry	A	2.5	120	117	3	0.219	1090	1	1	105.4	17.3	71.5	139.3	17.3	42.7	97.0	244.0	189.6	-	-	-	-	-	-	3.05E-08	37.8	3
1-Methylnaphthalene sediment (ug/Kg)	Wet	B	52.4	21	10	11	1.07	460	1	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Methylnaphthalene water (ug/L)	Wet	C	95.2	228	11	217	0.1	1.6	0.1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene sediment (ug/Kg)	Wet	A	22.7	22	17	5	1.12	540	1	330	81.4	32.6	17.5	145.3	2.4	29.0	57.2	130.0	153.0	-	-	-	-	-	-	0.002514	14.3	3
2-Methylnaphthalene water (ug/L)	Wet	C	80.6	504	98	406	0.003	2.5	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol sediment (ug/Kg)	Wet	C	100	16	0	16	-	-	1	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-D sediment (ug/Kg)	Wet	C	88.9	9	1	8	340	340	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-D water (ug/L)	Wet	C	86.1	476	66	410	0.02	28.4	0.05	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol sediment (ug/Kg)	Wet	C	100	16	0	16	-	-	1	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol sediment (ug/Kg)	Wet	C	81.2	16	3	13	6.1	17.4	1	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol sediment (ug/Kg)	Wet	C	100	16	0	16	-	-	1	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol sediment (ug/Kg)	Wet	C	100	16	0	16	-	-	1	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-Methylphenol sediment (ug/Kg)	Wet	C	93.8	16	1	15	83.6	83.6	1	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol sediment (ug/Kg)	Wet	C	93.8	16	1	15	4.64	4.64	1	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene sediment (ug/Kg)	Wet	A	47.8	23	12	11	12.5	6500	1	59	635.0	363.3	-77.0	1346.9	-	12.5	106.0	930.0	1742.1	-	-	-	-	-	-	0.060022	7.4	3
Acenaphthene water (ug/L)	Wet	C	89.1	504	55	449	0.003	1.3	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene sediment (ug/Kg)	Wet	B	78.3	23	5	18	15.8	3600	0.1	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene water (ug/L)	Wet	C	93.1	504	35	469	0.003	0.95	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ammonia water (ug/L)	Wet	A	0	53	53	0	10	324	-	-	137.7	10.5	117.1	158.3	80.0	130.0	190.0	250.0	76.5	-	-	-	-	-	-	8.09E-05	18.8	2
Anthracene sediment (ug/Kg)	Wet	A	30.4	23	16	7	21	33000	1	4.7	2791.2	1617.2	-378.5	5961.0	-	44.0	201.0	6800.0	7756.0	-	-	-	-	-	-	0.017577	10.1	3
Anthracene water (ug/L)	Wet	C	89.3	504	54	450	0.004	5.4	0.004	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic water dissolved (ug/L)	Wet	A	0	14	14	0	0.17	1.04	-	-	0.3	0.1	0.2	0.4	0.2	0.2	0.4	0.4	0.2	-	-	-	-	-	-	-	-	-
Benz(a)anthracene sediment (ug/Kg)	Wet	A	26.3	19	14	5	63.4	210000	1	1	18272.4	11649.8	-4560.8	41105.6	-	210.0	8700.0	82000.0	50780.4	-	-	-	-	-	-	0.021978	9.6	3
Benz(a)anthracene water (ug/L)	Wet	B	65.1	416	145	271	0.004	11	0.002	1.1	-	-	-	-	-	-	-	-	-	0.163	0.001	0.006	0.031	0.151	1.005	-	-	-
Benzene water (ug/L)	Wet	C	98.9	90	1	89	2.6	2.6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene sediment (ug/Kg)	Wet	A	26.1	23	17	6	31.8	260000	1	1	18635.3	11915.1	-4717.8	41988.5	-	211.0	1420.0	33000.0	57142.8	-	-	-	-	-	-	0.017779	10.1	3
Benzo(a)pyrene water (ug/L)	Wet	B	71.1	501	145	356	0.004	15	0.004	1.1	-	-	-	-	-	-	-	-	-	0.172	0.001	0.006	0.031	0.210	1.091	-	-	-
Benzo(b)fluoranthene sediment (ug/Kg)	Wet	A	25	20	15	5	1.07	240000	1	2	20128.7	12580.0	-4527.6	44785.1	1.1	234.0	1300.0	35000.0	56259.5	-	-	-	-	-	-	0.020394	9.8	3
Benzo(b)fluoranthene water (ug/L)	Wet	B	70.2	282	84	198	0.02	13	0.0094	0.5	-	-	-	-	-	-	-	-	-	0.261	0.003	0.015	0.085	0.298	1.282	-	-	-
Benzo(b,k)fluoranthene water (ug/L)	Wet	A	45.1	102	56	46	0.005	0.315	0.003	0.021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-	-	-	-	-	-	0.003726	11.2	2
Benzo(g,h,i)perylene sediment (ug/Kg)	Wet	A	23.8	21	16	5	4	160000	1	1	13097.8	8049.0	-2677.9	28873.6	4.0	190.0	1000.0	26000.0	36885.1	-	-	-	-	-	-	0.037235	8.5	3
Benzo(g,h,i)perylene water (ug/L)	Wet	B	59.4	503	204	299	0.005	12	0.003	1.1	-	-	-	-	-	-	-	-	-	0.155	0.004	0.013	0.069	0.210	0.854	-	-	-
Benzo(k)fluoranthene sediment (ug/Kg)	Wet	A	30	20	14	6	36.3	230000	1	2	19154.5	12144.1	-4647.5	42956.5	-	131.0	1100.0	32000.0	54310.1	-	-	-	-	-	-	0.016642	10.2	3
Benzo(k)fluoranthene water (ug/L)	Wet	B	76.6	282	66	216	0.014	13	0.0094	0.99	-	-	-	-	-	-	-	-	-	0.245	0.001	0.007	0.048	0.239	1.303	-	-	-
Benzofluoranthenes, Total sediment (ug/Kg)	Wet	A	0	5	5	0	370	180000	-	-	43604.0	34778.8	-24561.1	111769.1	450.0	1200.0	36000.0	-	77767.7	-	-	-	-	-	-	-	-	-
Benzofluoranthenes, Total water (ug/L)	Wet	B	51.7	120	58	62	0.0666	2.9	0.0094	2.2	-	-	-	-	-	-	-	-	-	0.261	0.041	0.100	0.280	0.474	0.478	-	-	-
Biochemical Oxygen Demand water (ug/L)	Wet	A	23.2	435	334	101	1100	68000	1000	15000	5275.3	299.2	4688.7	5861.8	2000.0	3600.0	6500.0	10100.0	6241.3	-	-	-	-	-	-	3.10E-22	103.3	3
Bis(2-ethylhexyl) phthalate sediment (ug/Kg)	Wet	A	11.8	17	15	2	21.6	15000	20	20	4697.9	1210.4	2325.5	7070.3	418.0	3600.0	6100.0	14000.0	4990.7	-	-	-	-	-	-	0.004857	12.9	3
Bis(2-ethylhexyl) phthalate water (ug/L)	Wet	A	36.5	493	313	180	0.15	27.8	0.024	10.1	2.1	0.1	1.8	2.3	0.5	1.0	2.3	5.0	3.3	-	-	-	-	-	-	6.97E-33	152.7	3
BTEX water (ug/L)	Wet	C	96.7	90	3	87	1.1	6.4	1	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate sediment (ug/Kg)	Wet	B	63.2	19	7	12	80	5600	20	890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate water (ug/L)	Wet	B	75.5	503	123	380	0.022	1.35	0.019	3	-	-	-	-	-	-	-	-	-	0.169	0.049	0.097	0.217	0.410	0.192	-	-	-
Cadmium sediment (ug/Kg)	Wet	A	13	23	20	3	0.781	4900	100	500	1110.3	240.7	638.5	1582.1	200.0	974.0	1600.0	2540.0	1154.4	-	-	-	-	-	-	0.201267	4.6	3
Cadmium water (ug/L)	Wet	A	27.8	511	369	142	0.011	6.1	0.037	1	0.2	0.0	0.2	0.2	0.0	0.1	0.2	0.3	0.5	-	-	-	-	-	-	3.80E-31	144.6	3
Cadmium water dissolved (ug/L)	Wet	A	48.7	509	261	248	0.003	1.85	0.007	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	-	-	-	-	-	-	2.88E-29	135.9	3
Calcium water (ug/L)	Wet	A	0	276	276	0	620	357000	-	-	8995.9	1405.8	6240.5	11751.3	3240.0	5440.0	9700.0	16000.0	23355.7	-	-	-	-	-	-	9.95E-59	272.3	3
Chloride water (ug/L)	Wet	A	1.4	439	433	6	55	1080000	100	100	13129.7	3095.6	7062.5	19197.0	1500.0	3300.0	7500.0	17400.0	64860.0	-	-	-	-	-	-	2.10E-15	71.4	3
Chlorpyrifos sediment (ug/Kg)	Wet	C	100	16	0	16	-	-	0.1	710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos water (ug/L)	Wet	C	100	508	0	508	-	-	0.006	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene sediment (ug/Kg)	Wet	A	21.7	23	18	5	1.07	280000	1	1	20059.5	12753.5	-4937.0	45055.9	1.1	296.0	1750.0	38000.0	61163.7	-	-	-	-	-	-	0.007533	12.0	3
Chrysene water (ug/L)	Wet	B	51	504	247	257	0.003	16	0.003	1.1	-	-	-	-	-	-	-	-	-	0.215	0.007	0.022	0.106	0.245	1.190	-	-	-
Conductivity water (uS/cm)	Wet	A	0.2	510	509	1	5.3	4020	18	18	137.3	16.7	104.5	170.2	32.8	70.8	120.0	180.0	378.2	-	-	-	-	-	-	1.83E-46	215.6	3
Copper sediment (ug/Kg)	Wet	A	0	23	23	0	156	970000	-	-	180261.6	47322.3	87511.6	273011.5	8520.0	110000.0	300000.0	409000.0	226949.6	-	-	-	-	-	-	0.03646	8.5	3
Copper water (ug/L)	Wet	A	0.6	516	513	3	0.38	104	0.1	0.5	14.7	0.6	13.5	16.0	4.6	10.0	20.0	34.8	14.7	-	-	-	-	-	-	4.59E-50	232.2	3
Copper water dissolved (ug/L)	Wet	A	2.7	488	475	13	0.62	28.9	0.1	12.5	4.6	0.2	4.3	5.0	2.1	3.5	5.4	9.4	4.0	-	-	-	-	-	-	5.69E-30	139.2	3
CPAH sediment (ug/Kg)	Wet	A	17.4	23	19	4	1.07	1453000	1	4	105385.6	66454.2	-24862.3	235633.6	1.1	1106.4	7519.0	194100.0	318703.3	-	-	-	-	-	-	0.00891	11.6	3
CPAH water (ug/L)	Wet	A	45.8	504	273	231	0.004	83.3	0.007	1.1	1.0	0.3	0.4	1.5	0.0	0.1	0.2	1.1	6.2	-	-	-	-	-	-	1.26E-16	77.1	3
Di-N-Octyl Phthalate sediment (ug/Kg)	Wet	B	72.2	18	5	13	116	9400	2	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-N-Octyl Phthalate water (ug/L)	Wet	C	88.2	502	59	443	0.018	2.77	0.018	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon sediment (ug/Kg)	Wet	C	100	15	0	15	-	-	0.1	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon water (ug/L)	Wet	C	99	508	5	503	0.03	0.53	0.005	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene sediment (ug/Kg)	Wet	A	30.4	23	16	7	21.2	73000	1	4	5737.7	3484.9	-1092.5	12567.9	-	79.0	582.0	9100.0	16712.9	-	-	-	-	-	-	0.02188	9.6	3
Dibenzo(a,h)anthracene water (ug/L)	Wet	C	88.1	504	60	444	0.006	5.3	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibutyl phthalate sediment (ug/Kg)	Wet	B	78.9	19	4	15	80	1800	20	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibutyl phthalate water (ug/L)	Wet	B	67.4	503	164	339	0.024	1.83	0.024	3	-	-	-	-	-	-	-	-	-	0.178	0.051	0.106	0.240	0.404	0.202	-	-	-
Dichlobenil sediment (ug/Kg)	Wet	A	33.3	9	6	3	17	100	1	6.7	31.2	9.5	12.5	49.9	-	18.0	26.0	-	28.6	-	-	-	-	-	-	-	-	-
Dichlobenil water (ug/L)	Wet	B	65.6	479	165	314	0.016	1.3	0.007	1	-	-	-	-	-	-	-	-	-	0.054	0.009	0.021	0.049	0.117	0.114	-	-	-
Diesel Fuel sediment (ug/Kg)	Wet	A	0	4	4	0	1300000	6700000	-	-	3350000.0	1297112.2	807706.8	5892293.2	1300000.0	1300000.0	-	-	2594224.4	-	-	-	-	-	-	-	-	-
Diesel Fuel water (ug/L)	Wet	B	55.2	58	26	32	100	1700	100	250	-	-	-	-	-	-	-	-	-	193.796	54.404	106.971	265.000	410.000	253.808	-	-	-
Diesel Range Organics sediment (ug/Kg)	Wet	C	100	3	0	3	-	-	50000	5.00E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diesel Range Organics water (ug/L)	Wet	A	44.4	399	222	177	13	2400	50	250	279.8	19.1	242.4	317.3	30.0	98.0	380.0	840.0	381.7	-	-	-	-	-	-	1.65E-12	57.9	3
Diethyl phthalate sediment (ug/Kg)	Wet	C	100	18	0	18	-	-	1	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate water (ug/L)	Wet	B	69.2	504	155	349	0.026	3.7	0.024	3	-	-	-	-	-	-	-	-	-	0.182	0.065	0.122	0.211	0.360	0.237	-	-	-
Dimethyl phthalate sediment (ug/Kg)	Wet	C	88.9	18	2	16	370	628	1	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate water (ug/L)	Wet	C	85.1	504	75	429	0.025	0.49	0.024	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene water (ug/L)	Wet	C	100	90	0	90	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fecal coliform water (cfu/100mL)	Wet	A	6.8	455	424	31	1	160000	1	4	2509.7	517.6	1495.2	3524.3	49.0	300.0	1600.0	4100.0	11041.3	-	-	-	-	-	-	1.03E-13	63.5	3
Fines sediment (%)	Wet	A	0	19	19	0	3.5	178	-	-	47.6	9.8	28.3	66.8	13.2	41.2	70.6	106.6	42.8	-	-	-	-	-	-	0.000189	19.8	3
Fluoranthene sediment (ug/Kg)	Wet	A	13	23	20	3	1.02	580000	1	2	41559.7	26500.3	-10380.0	93499.4	7.5	670.0	2700.0	70000.0	127091.2	-	-	-	-	-	-	0.018172	10.0	3
Fluoranthene water (ug/L)	Wet	A	38	503	312	191	0.007	33	0.005	1.1	0.4	0.1	0.2	0.6	0.0	0.0	0.2	0.4	2.5	-	-	-	-	-	-	3.50E-24	112.3	3

Parameter and matrix	Season	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)							Peto Prentice test (Land use significance)		
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df
Fluorene sediment (ug/Kg)	Wet	A	39.1	23	14	9	20.4	12000	1	34	1048.3	612.6	-152.4	2249.1	-	31.8	164.0	1600.0	2938.1	-	-	-	-	-	-	0.011492	11.0	3
Fluorene water (ug/L)	Wet	C	86.1	504	70	434	0.003	1.6	0.003	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics water (ug/L)	Wet	C	88.3	403	47	356	11	395	10	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gravel sediment (%)	Wet	A	0	19	19	0	0.2	15.2	-	-	2.9	0.8	1.3	4.5	0.6	2.2	3.7	7.0	3.5	-	-	-	-	-	-	0.145702	5.4	3
Hardness as CaCO3 water (ug/L)	Wet	A	0.4	510	508	2	1900	1300000	10000	10000	36323.1	3628.5	29211.5	43434.8	13000.0	25000.0	38000.0	56400.0	81942.2	-	-	-	-	-	-	1.26E-44	207.0	3
Heavy Fuel Oil sediment (ug/Kg)	Wet	A	0	3	3	0	3390000	5040000	-	-	3966666.7	537163.3	2913845.9	5019487.4	3390000.0	3470000.0	-	-	930394.2	-	-	-	-	-	-	-	-	-
Heavy Fuel Oil water (ug/L)	Wet	A	23.8	244	186	58	21	6500	20	500	688.3	63.4	564.0	812.6	150.0	320.0	735.0	1900.0	990.6	-	-	-	-	-	-	8.34E-36	166.2	3
HPAH sediment (ug/Kg)	Wet	A	8.7	23	21	2	3.46	2683000	1	1	205442.2	125608.7	-40746.3	451630.7	120.0	2659.0	12889.0	353100.0	602398.1	-	-	-	-	-	-	0.013867	10.6	3
HPAH water (ug/L)	Wet	A	30.4	503	350	153	0.012	154.3	0.0094	2.2	1.9	0.5	0.9	3.0	0.0	0.1	0.7	2.2	11.7	-	-	-	-	-	-	3.10E-23	107.9	3
Indeno(1,2,3-cd)pyrene sediment (ug/Kg)	Wet	A	26.1	23	17	6	25.1	160000	1	4	11744.1	7287.9	-2539.9	26028.1	-	160.0	2040.0	23000.0	34951.5	-	-	-	-	-	-	0.013869	10.6	3
Indeno(1,2,3-cd)pyrene water (ug/L)	Wet	B	71.6	504	143	361	0.004	10	0.003	1.1	-	-	-	-	-	-	-	-	-	0.124	0.001	0.005	0.028	0.170	0.724	-	-	-
Lead sediment (ug/Kg)	Wet	A	0	23	23	0	416	1790000	-	-	228840.3	79885.1	72268.3	385412.2	5900.0	114000.0	254000.0	523000.0	383115.6	-	-	-	-	-	-	0.060759	7.4	3
Lead water (ug/L)	Wet	A	0.4	508	506	2	0.1	137	0.05	0.1	13.2	0.9	11.5	14.9	1.3	6.0	15.2	37.4	19.5	-	-	-	-	-	-	4.03E-42	195.5	3
Lead water dissolved (ug/L)	Wet	A	21.9	502	392	110	0.016	21.8	0.02	1.8	0.6	0.1	0.5	0.8	0.1	0.2	0.3	1.0	1.7	-	-	-	-	-	-	1.80E-21	99.7	3
LPAH sediment (ug/Kg)	Wet	A	0	23	23	0	1.94	307500	-	-	23727.7	14427.5	-4549.7	52005.0	50.5	413.3	1562.0	37140.0	69191.8	-	-	-	-	-	-	0.008942	11.6	3
LPAH water (ug/L)	Wet	A	36.7	504	319	185	0.006	24.3	0.0094	1.1	0.3	0.1	0.2	0.5	0.0	0.1	0.1	0.3	1.7	-	-	-	-	-	-	2.26E-16	76.0	3
Lube Oil water (ug/L)	Wet	B	54.5	77	35	42	194	1550	190	210	-	-	-	-	-	-	-	-	-	366.127	128.017	218.000	460.000	907.000	348.851	-	-	-
Magnesium water (ug/L)	Wet	A	0	276	276	0	90	96500	-	-	2191.7	360.0	1486.2	2897.3	600.0	1500.0	2400.0	4040.0	5980.7	-	-	-	-	-	-	5.00E-41	190.4	3
Malathion sediment (ug/Kg)	Wet	C	100	16	0	16	-	-	0.1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malathion water (ug/L)	Wet	C	99.2	507	4	503	0.0539	0.2	0.008	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mecoprop sediment (ug/Kg)	Wet	C	100	9	0	9	-	-	10	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mecoprop water (ug/L)	Wet	C	91.6	487	41	446	0.02	28	0.02	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury sediment (ug/Kg)	Wet	A	40	20	12	8	10	220	50	50	98.5	20.7	57.9	139.1	10.0	50.0	200.0	210.0	92.6	-	-	-	-	-	-	0.13049	5.6	3
Mercury water (ug/L)	Wet	C	80.7	363	70	293	0.002	0.216	0.02	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury water dissolved (ug/L)	Wet	C	92.4	354	27	327	0.001	0.075	0.001	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Motor Oil sediment (ug/Kg)	Wet	A	0	4	4	0	3.00E+06	1.70E+07	-	-	9125000.0	2902692.7	3435826.8	14814173.2	3000000.0	8100000.0	-	-	5805385.4	-	-	-	-	-	-	-	-	-
Motor Oil water (ug/L)	Wet	A	22.5	80	62	18	200	5800	200	500	1124.3	108.0	912.5	1336.0	350.0	910.0	1600.0	2400.0	966.4	-	-	-	-	-	-	0.000322	16.1	2
Naphthalene sediment (ug/Kg)	Wet	A	34.8	23	15	8	1.02	2400	2	330	249.8	136.8	-18.4	517.9	1.9	9.1	40.3	570.0	656.0	-	-	-	-	-	-	0.006575	12.2	3
Naphthalene water (ug/L)	Wet	B	61.2	498	193	305	0.004	2.2	0.005	2.1	-	-	-	-	-	-	-	-	-	0.051	0.008	0.018	0.042	0.107	0.162	-	-	-
Nitrite-Nitrate water dissolved (ug/L)	Wet	A	3.6	467	450	17	12	4000	10	216	411.2	24.9	362.4	460.1	111.0	213.0	434.0	1000.0	538.6	-	-	-	-	-	-	1.17E-12	58.6	3
o-Cresol sediment (ug/Kg)	Wet	B	76.5	17	4	13	14.1	40.2	1	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil and grease water (ug/L)	Wet	C	92.3	26	2	24	500	670	500	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ortho-phosphate water dissolved (ug/L)	Wet	A	7.4	475	440	35	4	257	3	22.3	29.3	1.4	26.6	32.0	10.0	20.7	36.0	67.0	29.7	-	-	-	-	-	-	6.12E-12	55.2	3
p-Cresol sediment (ug/Kg)	Wet	A	23.5	17	13	4	2.46	7000	1	440	636.4	413.7	-174.6	1447.3	2.5	31.3	311.0	1560.0	1705.9	-	-	-	-	-	-	0.757953	1.2	3
p-Cresol water (ug/L)	Wet	C	90.5	21	2	19	0.354	0.362	0.047	0.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1016 sediment (ug/Kg)	Wet	C	100	9	0	9	-	-	0.05	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1016 water (ug/L)	Wet	C	100	21	0	21	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1221 sediment (ug/Kg)	Wet	C	100	9	0	9	-	-	0.05	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1221 water (ug/L)	Wet	C	100	21	0	21	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1232 sediment (ug/Kg)	Wet	C	100	9	0	9	-	-	0.05	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1232 water (ug/L)	Wet	C	100	21	0	21	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1242 sediment (ug/Kg)	Wet	C	100	9	0	9	-	-	0.05	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1242 water (ug/L)	Wet	C	100	21	0	21	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1248 sediment (ug/Kg)	Wet	C	88.9	9	1	8	45	45	0.05	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1248 water (ug/L)	Wet	C	95.2	21	1	20	0.014	0.014	0.01	0.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1254 sediment (ug/Kg)	Wet	A	22.2	9	7	2	30	200	0.05	35	76.7	22.8	31.9	121.4	30.0	41.0	87.0	-	68.5	-	-	-	-	-	-	-	-	-
PCB-aroclor 1254 water (ug/L)	Wet	B	52.4	21	10	11	0.011	0.058	0.005	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1260 sediment (ug/Kg)	Wet	B	66.7	9	3	6	80	100	0.05	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-aroclor 1260 water (ug/L)	Wet	B	71.4	21	6	15	0.01	0.038	0.01	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol sediment (ug/Kg)	Wet	B	75	24	6	18	7.8	371	1	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol water (ug/L)	Wet	B	74.7	470	119	351	0.02	5.1	0.02	5.6	-	-	-	-	-	-	-	-	-	0.158	0.021	0.056	0.150	0.388	0.343	-	-	-
pH water (pH)	Wet	A	0	183	183	0	5.6	8.26	-	-	6.9	0.0	6.8	7.0	6.6	7.0	7.2	7.4	0.4	-	-	-	-	-	-	0.00208	12.4	2
Phenanthrene sediment (ug/Kg)	Wet	A	0	22	22	0	2.16	250000	-	-	19647.8	12111.7	-4090.8	43386.4	120.0	328.0	1200.0	29000.0	56809.1	-	-	-	-	-	-	0.019194	9.9	3
Phenanthrene water (ug/L)	Wet	A	46.9	503	267	236	0.006	16	0.003	1.1	0.2	0.1	0.1	0.3	0.0	0.0	0.1	0.2	1.3	-	-	-	-	-	-	5.47E-20	92.8	3
Phenol sediment (ug/Kg)	Wet	A	41.2	17	10	7	4.52	636	1	440	71.8	40.5	-7.6	151.3	-	12.3	33.8	290.0	167.1	-	-	-	-	-	-	0.286205	3.8	3
Phenol water (ug/L)	Wet	B	61.9	21	8	13	0.098	2.16	0.047	0.056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Precipitation water (in)	Wet	A	0	470	470	0	0.06	4.38	-	-	0.7	0.0	0.6	0.7	0.4	0.5	0.9	1.2	0.5	-	-	-	-	-	-	0.198835	6.0	4
Prometon sediment (ug/Kg)	Wet	C	100	9	0	9	-	-	0.1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prometon water (ug/L)	Wet	C	96.8	476	15	461	0.025	3.21	0.005	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene sediment (ug/Kg)	Wet	A	8.7	23	21	2	1.37	490000	1	1	37059.8	22860.2	-7745.4	81865.1	60.7	728.0	3910.0	63000.0	109633.9	-	-	-	-	-	-	0.00865	11.7	3
Pyrene water (ug/L)	Wet	A	33.8	503	333	170	0.007	26	0.0094	1.1	0.4	0.1	0.2	0.6	0.0	0.1	0.2	0.4	2.1	-	-	-	-	-	-	5.28E-28	130.0	3
Sampled-Event Flow Volume water (m3)	Wet	A	0	482	482	0	2.15	201358.5	-	-	4410.6	784.2	2873.5	5947.7	68.6	408.4	1589.4	5572.2	17217.5	-	-	-	-	-	-	2.73E-05	23.8	3
Sand sediment (%)	Wet	A	0	19	19	0	10.9	93.8	-	-	68.7	5.3	58.2	79.1	57.2	71.7	88.2	93.5	23.2	-	-	-	-	-	-	0.216803	4.4	3
Solids sediment (%)	Wet	A	0	26	26	0	17.2	97.8	-	-	47.9	3.7	40.7	55.1	36.2	44.2	63.6	71.8	18.7	-	-	-	-	-	-	0.609675	1.8	3
Storm Event Flow Volume water (m3)	Wet	A	0	502	502	0	2.2	336888.3	-	-	5962.3	1077.0	3851.5	8073.1	95.8	551.8	2193.4	8563.0	24129.9	-	-	-	-	-	-	0.000173	20.0	3
Surfactants water (ug/L)	Wet	A	38	487	302	185	17	920	16	96	64.7	3.5	57.8	71.6	19.0	44.0	78.0	130.0	77.9	-	-	-	-	-	-	1.24E-12	58.5	3
Toluene water (ug/L)	Wet	C	96.7	90	3	87	1.1	2.07	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Benzofluoranthenes sediment (ug/Kg)	Wet	A	21.7	23	18	5	1.07	470000	1	2	34411.6	21579.1	-7882.7	76705.9	1.1	444.0	2400.0	67000.0	103489.9	-	-	-	-	-	-	0.022723	9.6	3
Total Benzofluoranthenes water (ug/L)	Wet	B	60.1	504	201	303	0.005	26	0.003	2.2	-	-	-	-	-	-	-	-	-	0.341	0.004	0.017	0.117	0.416	1.955	-	-	-
Total Kjeldahl Nitrogen water (ug/L)	Wet	A	11.6	466	412	54	105	25000	30	600	1023.5	65.3	895.6	1151.4	474.0	800.0	1180.0	1820.0	1408.6	-	-	-	-	-	-	8.14E-05	21.5	3
Total Organic Carbon sediment (%)	Wet	A	0	23	23	0	0.00164	68	-	-	14.4	3.2	8.1	20.7	7.6	12.2	17.9	20.4	15.4	-	-	-	-	-	-	0.231313	4.3	3
Total PAH sediment (ug/Kg)	Wet	A	0	23	23	0	4.1	2990960	-	-	229216.4	139782.4	-44751.9	503184.8	240.0	3793.5	14156.1	389008.0	670372.6	-	-	-	-	-	-	0.012649	10.8	3
Total PAH water (ug/L)	Wet	A	24.6	504	380	124	0.021	172.52	0.0094	2.2	2.3	0.6	1.1	3.4	0.1	0.2	0.8	2.5	13.3	-	-	-	-	-	-	7.85E-23	106.0	3
Total PCB sediment (ug/Kg)	Wet	A	22.2	9	7	2	30	345	0.05	37	111.0	40.7	31.3	190.7	30.0	41.0	167.0	-	122.0	-	-	-	-	-	-	-	-	-
Total PCB water (ug/L)	Wet	A	47.6	21	11	10	0.011	0.096	0.01	0.025	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	-	-	-	-	5.75E-06	24.1	2
Total Phosphorus sediment (ug/Kg)	Wet	A	0	3	3	0	35000	1850000	-	-	845333.3	532879.1	-199090.5	1889757.1	35000.0	651000.0	-	-	922973.6	-	-	-	-	-	-	-	-	-
Total Phosphorus water (ug/L)	Wet	A	3.8	477	459	18	8	4600	5	137	145.7	10.9	124.4	167.0	50.0	101.0	176.0	297.0	237.5	-	-	-	-	-	-	2.79E-08	38.0	3
Total Phthalate sediment (ug/Kg)	Wet	A	10.5	19	17	2	21.6	21400	20	20	5505.5	1435.2	2692.5	8318.5	418.0	2896.0	8960.0	15628.0	6256.0	-	-	-	-	-	-	0.034177	8.7	3
Total Phthalate water (ug/L)	Wet	A	21.6	504	395	109	0.032	27.8	0.407	5	2.2	0.2	2.0	2.5	0.5	1.2	2.5	5.6	3.4	-	-	-	-	-	-	1.73E-26	123.0	3
Total Suspended Solids water (ug/L)	Wet	A	0.8	495	491	4	1000	4700000	500	5000	63907.0	9915.3	44473.3	83340.6	14000.0	29800.0	65600.0	132000.0	220602.0	-	-	-	-	-	-	6.63E-13	59.8	3
Total TPHDx sediment (ug/Kg)	Wet	A	0	7	7	0	3390000	23700000	-	-	8828571.4	2787894.3	3364399.1	14292743.8	3470000.0	5040000.0	12200000.0	-	7376074.9	-	-	-	-	-	-	-	-	-
Total TPHDx water (ug/L)	Wet	A	28.2	472	339	133	14	8400	70	500	837.3	53.6	732.3	942.3	113.0	390.0	1060.0	2200.0	1163.9	-	-	-	-	-	-	4.20E-20	93.3	3
Total Xylenes water (ug/L)	Wet	C	98.9	90	1	89	1.73	1.73	1	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPHGx water (ug/L)	Wet	C	96.2	26	1	25	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Parameter and matrix	Season	Case	Data summary								Kaplan - Meier test (Case A parameters)									Regression on statistics (Case B parameters)							Peto Prentice test (Land use significance)		
			% non-detects	n	# detects	# non-detects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df
Triclopyr sediment (ug/Kg)	Wet	C	88.9	9	1	8	310	310	10	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triclopyr water (ug/L)	Wet	C	90.5	452	43	409	0.02	18.3	0.05	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity water (NTU)	Wet	A	0	441	441	0	0.98	500	-	-	33.4	2.3	28.9	37.9	7.3	17.9	35.3	84.0	48.6	-	-	-	-	-	-	3.62E-13	61.0	3
Zinc sediment (ug/Kg)	Wet	A	0	23	23	0	366	2460000	-	-	590320.3	128748.4	337978.1	842662.5	55000.0	424000.0	860000.0	1110000.0	617455.5	-	-	-	-	-	-	0.033155	8.7	3
Zinc water (ug/L)	Wet	A	0.6	506	503	3	2.6	899	0.5	1	86.9	4.0	79.1	94.7	27.4	68.0	117.0	178.0	89.6	-	-	-	-	-	-	2.23E-53	247.5	3
Zinc water dissolved (ug/L)	Wet	A	2.7	488	475	13	0.5	740	0.5	36.5	40.6	2.9	34.9	46.3	12.7	24.8	41.5	86.0	64.3	-	-	-	-	-	-	4.55E-37	172.1	3

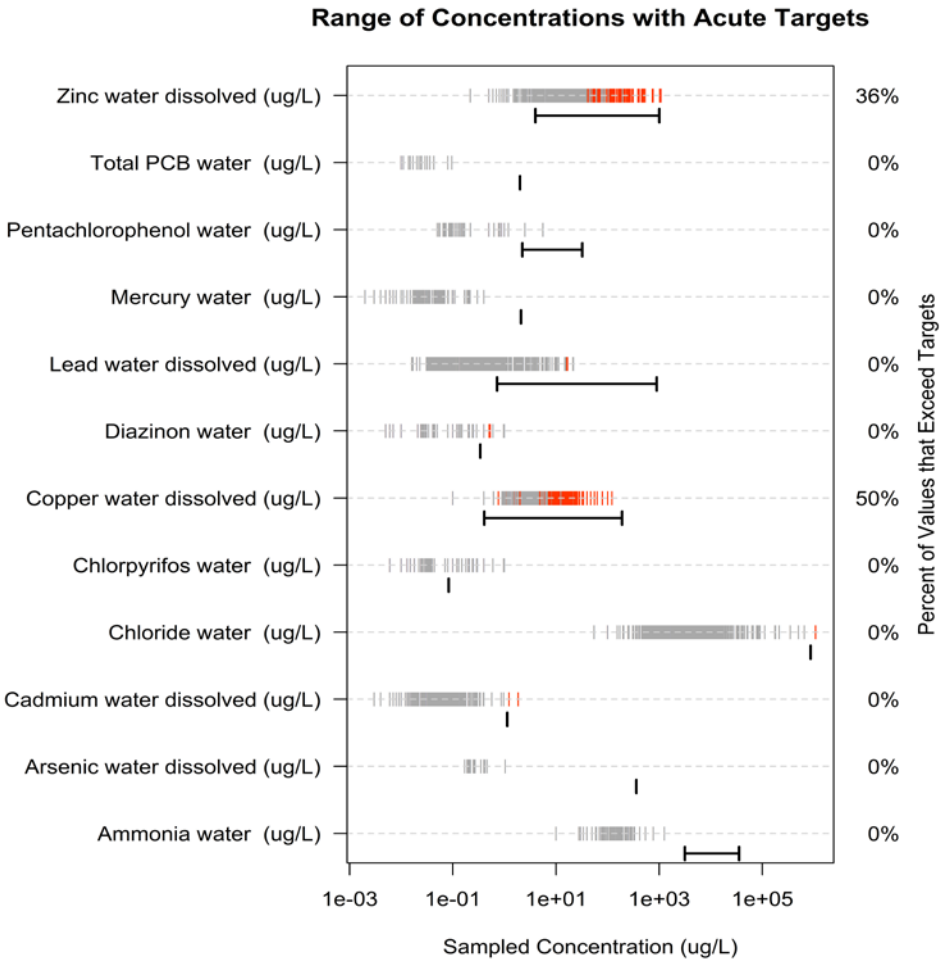

Figure G-1. Range of concentrations compared with water quality standards for the protection of aquatic life (acute targets).
Vertical grey bars are concentrations that do not exceed targets and vertical red bars exceed the target.
The range of targets calculated for parameters with pH or hardness dependent criteria is highlighted by the black bar.
The percent of samples which exceed the target is documented on the secondary y-axis.

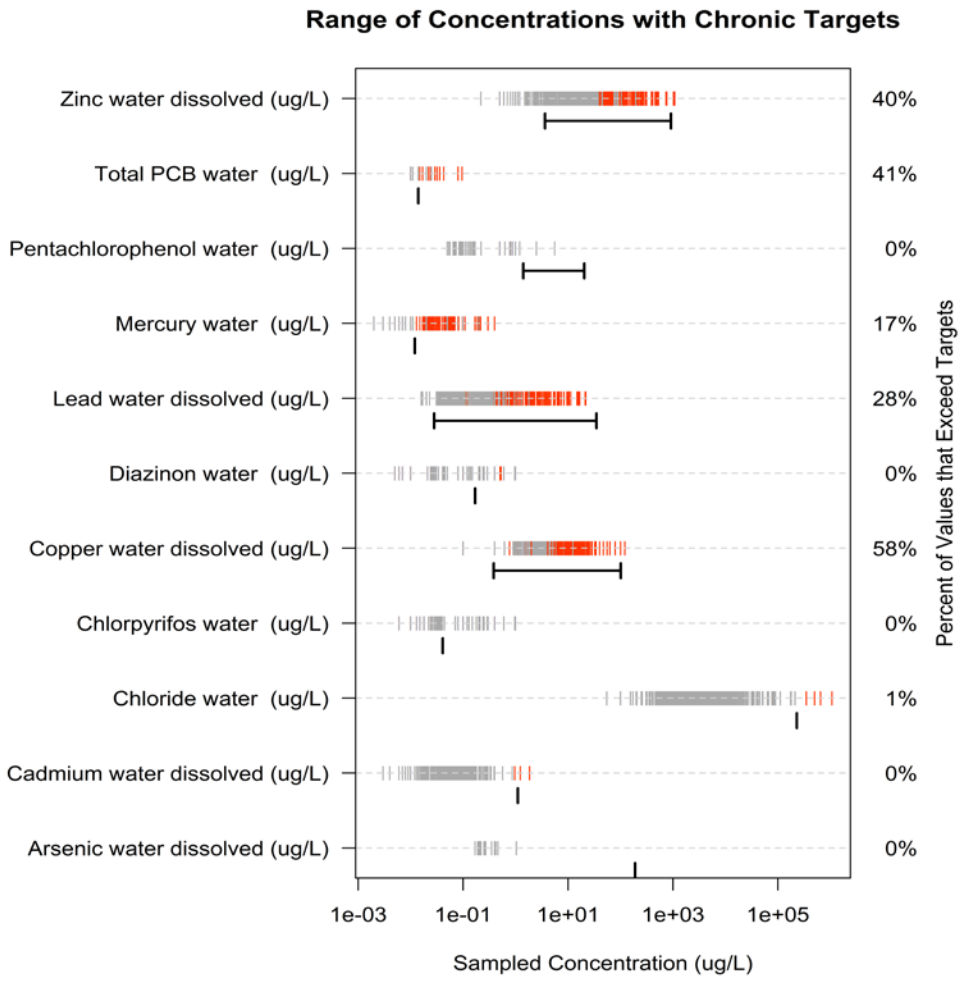

Figure G-2. Range of concentrations compared with water quality standards for the protection of aquatic life (chronic targets).
Vertical grey bars are concentrations that do not exceed targets and vertical red bars exceed the target.
The range of targets calculated for parameters with pH or hardness dependent criteria is highlighted by the black bar.
The percent of samples which exceed the target is documented on the secondary y-axis.

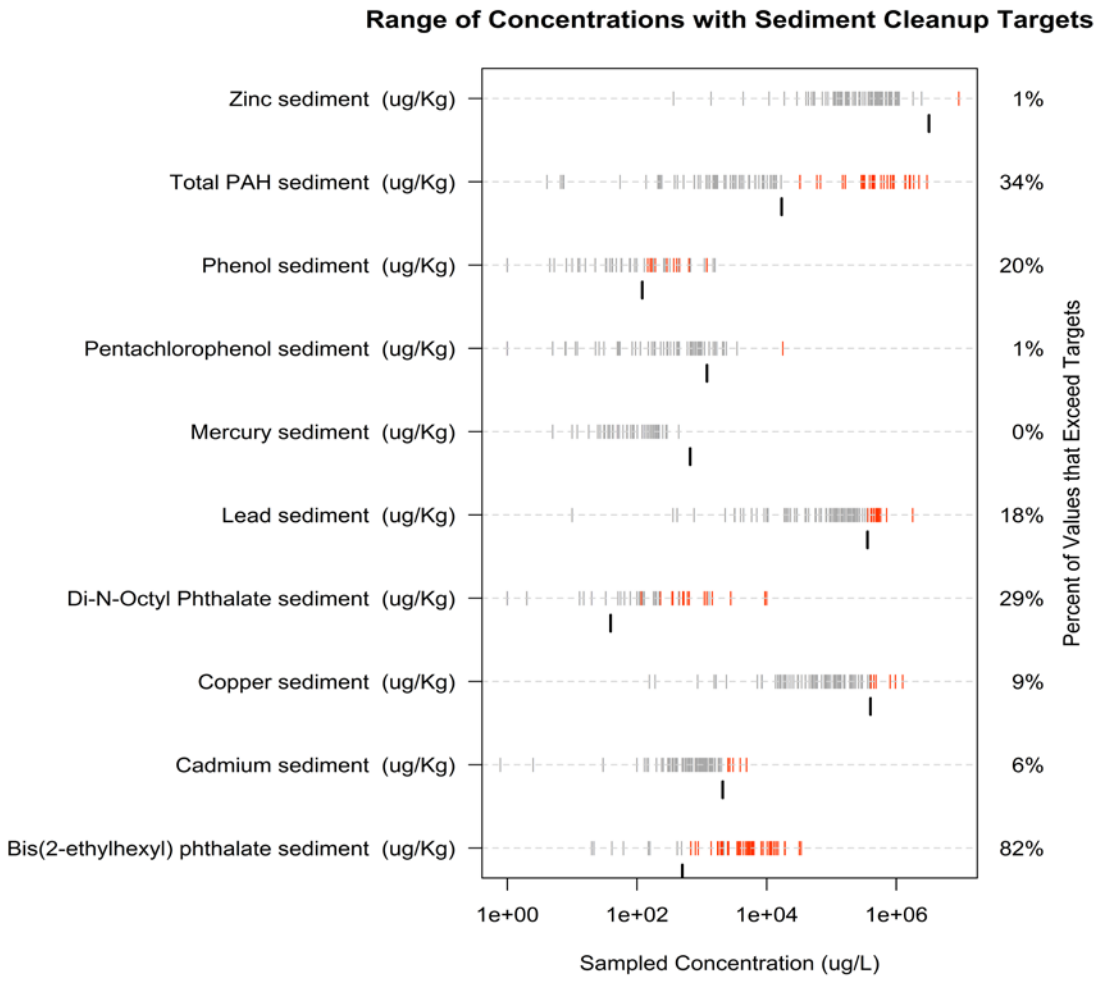

Figure G-3. Range of concentrations compared with targets from the sediment cleanup objectives.
Vertical grey bars are concentrations that do not exceed targets and vertical red bars exceed the targets.
Note: grey bars which appear to exceed the target (right of the vertical black line) had high detection limits and are therefore not considered in excess.
The target is highlighted by the black bar.
The percent of samples which exceed the targets is documented on the secondary y-axis.

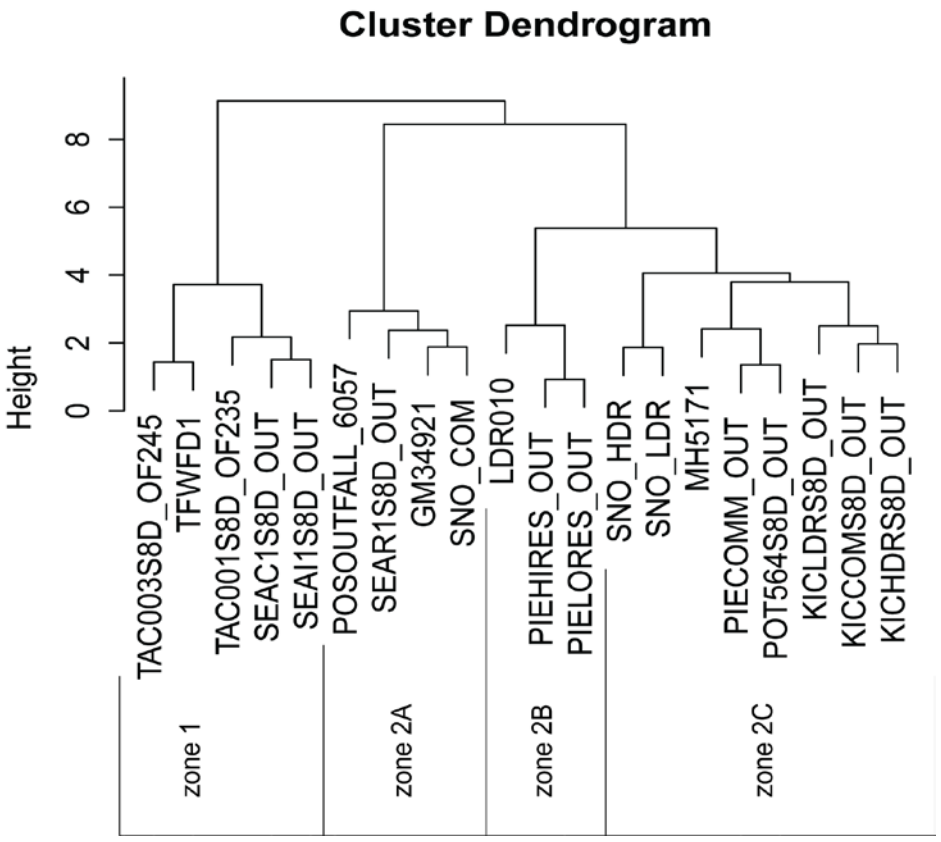

Figure G-4. Dendrogram of the cluster analysis using Ward's method.
Sample sites are grouped based on the water concentrations of the parameters used in the PCA. Zones are groups of similar sites.

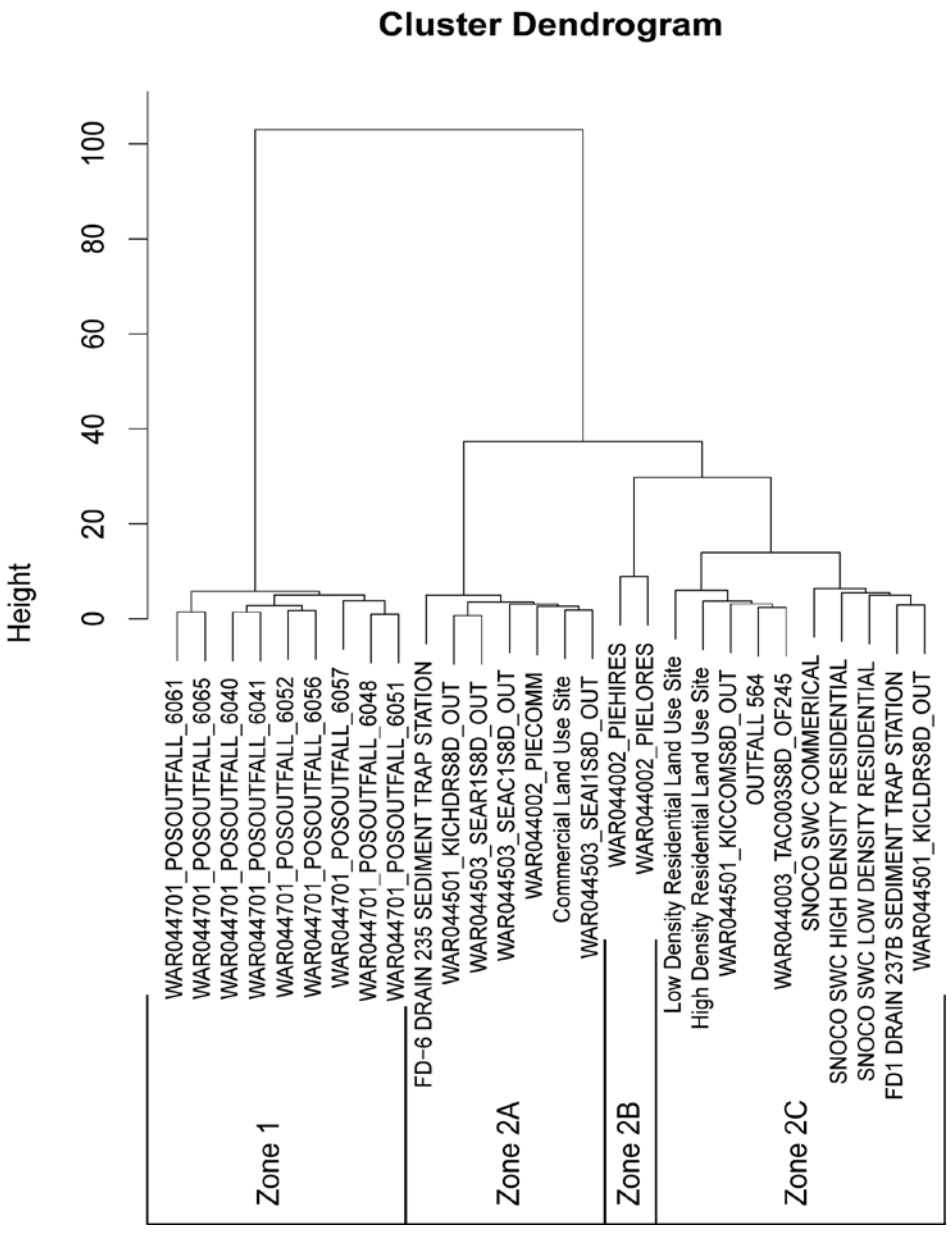

Figure G-5. Dendrogram of the cluster analysis using Ward's method.
Sample sites are grouped based on the water concentrations of the parameters used in the PCA. Zones are groups of similar sites.