Table 1. Location of biota and sediment collections for fall 2001.

Sample Site ID	STUDY	START Latitude	START Longitude	Date	Time
Sediment Collection					
Zone 2					
02 SED1	CORE	40.10387	74.83698	11/7/01	1:53:00
Zone 3					
03 SED1	CORE	39.96467	75.09897	11/7/01	7:55:00
Zone 4					
04 SED1	CORE	39.84375	75.28223	11/6/01	2:17:00
04 SED2	CORE	39.86788	75.20395	11/6/01	3:00:00
04 CC	CCVar	39.85238	75.31213	11/6/01	12:48:09
Zone 5					
05 SED1	CORE	39.58208	75.54306	11/6/01	10:00:00
05 SED2	CORE	39.68438	75.52755	11/6/01	11:24:31
05 SED3	CORE	39.75000	75.48330	11/8/01	~1:30:00
05 Var1	Variability	39.77995	75.46597	11/9/01	9:51:00
05 Var2	Variability	39.77687	75.46367	11/9/01	10:06:00
05 Var3	Variability	39.77574	75.46095	11/9/01	10:16:00
05 Var4	Variability	39.77487	75.45829	11/9/01	10:23:00
Biota Collection					
Zone 2					
02 CC2	CORE	40.0388	74.9881	11/8/01	7:30:00
02 CC2	CORE/CC	40.0399	74.9880	11/8/01	7:54:00
Zone 3					
03 SED1	CORE	39.5799	75.0697	11/9/01	6:06:00
03 SED2	CORE	40.0005	75.0556	11/9/01	6:47:00
Zone 4					
04 SED1	CORE	39.8511	75.3016	11/8/01	3:24:00
04 SED2	CORE	39.8514	75.3018	11/8/01	3:36:00
04 CC	CCVar	39.8509	75.3005	11/8/01	3:40:00
Zone 5					
05 CC	CORE/WPVar1	39.6054	75.5773	11/8/01	12:03:00
05 SED2	CCVar	39.6700	75.5334	11/8/01	12:42:00
05 SED3	WPVar2	39.7516	75.4778	11/8/01	1:36:00
05 SED4	WPVar3	39.7854	75.4538	11/8/01	2:17:18

Table 2. Location of biota and sediment collections for spring 2001.

Sample Site ID	STUDY	START Latitude	START Longitude	Date	Time
Sediment Collection					
Zone 2					
02 CC	CC	40.04087	74.97816	3/19/02	14:05
02 Sed1	Core	40.10405	74.83773	3/19/02	15:02
02 Sed3	Core/Var	40.15044	74.72394	3/19/02	16:01
02 Var2	Var	40.08987	74.43357	3/19/02	
02 Var3	Var	40.14875	74.72126	3/19/02	
02 Var4	Var	40.14738	74.72089	3/19/02	
Zone 3					
03 Sed1	Core	39.96407	75.09901	3/19/02	10:30
03 Sed2	Core	39.99409	75.05546	3/19/02	11:27
Zone 4					
04 Sed1	Core	39.84375	75.28223	3/18/02	15:36
04 Sed2	Core	39.86788	75.20395	3/18/02	16:05
04 CC	CC	39.85238	75.31213	3/18/02	
Zone 5					
05 Sed1	CC	39.5440	75.54165	3/18/02	11:52
05 Sed2	Core	39.6700	75.5334	3/18/02	13:08
05 Sed2 amphipod	Core	39.6888	75.52169	3/18/02	13:20
05 Sed3	Core	39.7537	75.4673	3/18/02	14:11
Biota Collection					
Zone 3					
03 SED1	CORE	39.9649	75.1164	3/20/02	7:03
03 SED2	CORE	40.0000	75.0576	3/20/02	8:06
Zone 4					
04 SED1	CORE	39.8499	75.2748	3/20/02	11:11
04 SED2	CORE	39.8662	75.2118	3/20/02	10:30
04 CC	CC	39.8555	75.3087	3/20/02	12:19/18:28
Zone 5					
05 SED1	CC	39.5839	75.5532	3/20/02	14:43/15:23
05 SED2	CORE	39.6824	75.5259	3/20/02	16:50
05 SED3	CORE	39.7472	75.4780	3/20/02	17:16
Additional Sampling Trips					
Zone 2					
2CC	CC	40.04	74.97	4/3/02	
2Sed1	Core	40.1	74.84	4/2/02	
2Sed3	Core	40.1	74.84	4/2/02	
2Sed4	Core	40.15	74.72	4/2/02	
2Sed1	Core	40.15	74.16	5/21/02	

Table 3. Summary of channel catfish samples from fall 2001 collections/analyses.

Sample ID	Sex	Age	Length (cm)	Weight (g)	Fillet Whole (g)	Fillet (g)	Whole Remains (g)	Remains (g)	
Zone 2									
110801 02 CC2 CC1	F	9	44.2	761	92.2	69.44	668.8		
110801 02 CC2 CC2	F gravid	19	44.8	799.2	109.24	80.23	689.96		
***02 CC2 CC3**	M	9	40.3	524.2	75.7	25.01	448.5		
***02 CC2 CC4**	M	11	49.2	1020.4	124.71	25.01	895.69		
***02 CC2 CC5**	F	13	47.4	863.4	122.53	24.99	740.87		
***02 CC2 CC6**	F	10	60.2	2170.2	314.71	24.99	1855.49		Whole Fillet+Whole Remains
***second sampling trip**	Average	12		1023.07	139.85		883.22		1023.07
Zone 3									
110901 03 Sed1 CC1	M	9	38.2	475.05	58.84	55.65	416.21	299.6	
110901 03 Sed1 CC2	M	9	38	448.75	55.98	57.68	392.26	299.88	
110901 03 Sed1 CC3	M	10	46.2	907.9	100.99	57.67	807.3	299.62	
110901 03 Sed2 CC1	M	8	47.1	892.42	124.52	57.38	767.9	300.3	
110901 03 Sed2 CC2	M	8	44.5	801.26	127.26	57.75	674	300.04	
110901 03 Sed2 CC3	M	9	38.4	476.42	58.04	57.72	418.38	299.82	
110901 03 Core CCF	Average	9		666.97	87.61		579.34		666.95
110901 03 Core CCR									
Zone 4									
110801 04 Sed 1 CC1	F	8	37.5	406.54	52.24	34.99	200.02		
110801 04 Sed 2 CC1	M	5	35.7	292.81	36.9	35.02	199.55		
110801 04 Sed2 CC2	Discarded								
110801 04 Sed2 CC3	F	5	34.3	282.14	36.53	35.01	199.23		
110801 04 Sed2 CC4	F	5	35.8	358.39	45.72	35.03	199.8		
110801 04 Sed2 CC5	M	7	40.6	500.24	63.75	34.99	201.23		
110801 04 Core CCF	Average	6		368.02	47.03		199.97		246.99
110801 04 Core CCR									

Table 3 (continued). Summary of channel catfish samples from fall 2001 collections/analyses.

Sample ID	Sex	Age	Length (cm)	Weight (g)	Fillet Whole (g)	Fillet (g)	Whole Remains (g)	Remains (g)	
Variability									
110801 04 CC CC1	M		33.7	601.9		15			
110801 04 CC CC2	M		38.8	597.7		14.99			
110801 04 CC CC3	M		35.3	484.7		15			
110801 04 CC CC4	F		36	427.5		15.01			
110801 04 CC CC5	M		26.7	359.7		15.01			
110801 04 CC CC1-5F						71.36			
Zone 5									
110801 05 CC5 CC1	F	4	33.8	291.07	37.41	35.03	235.98	200.01	
110801 05 CC5 CC2	F	8	41.7	579.23	79.27	34.97	479.89	199.96	
110801 05 CC5 CC3	M	9	52	1410.17	146.44	35.02	1151.09	199.97	
110801 05 CC5 CC4	M	5	40.8	535.62	67.37	35.03	453.48	200.03	
110801 05 CC5 CC5	F	7	36.6	366.06	40.05	35.03	327.94	200.08	
110801 05 Core CCF	Average	7		636.43	74.11		529.68		603.78
110801 05 Core CCR									
Variability									
110801 05 Sed2 CC1	F		40.5	500.76	63.97	19.96	Remainder to individual samples		
110801 05 Sed2 CC2	M		41.9	569.79	68.98	19.97			
110801 05 Sed2 CC3	M		47.7	963.1	130.16	19.91			
110801 05 Sed2 CC4	F		39.7	537.63	66.28	19.91			
110801 05 Sed2 CC5	F		29.5	184.82	45.85	19.98			
110801 05 Sed2 CC1-5F						66.45			

Table 4. Summary of channel catfish samples from spring 2001 collections/analyses.

ID#	Sex	Age	Length (cm)	Weight (g)	Fillet Whole (g)	Fillet for Composite (g)	Whole Remains (g)	Remains for Composite (g)	
Zone 2									
040202 02 CC1	M?	9	48.9	995.4	138.97	~120	856.43	450.9	
040202 02 CC2	M	12	51.9	1535.5	188.8	~120	1346.7	450.8	
040402 02 CC3	M	10	53.5	1375.9	151.28	~120	1224.62	449.5	
040402 02 CC4	M	10	52.5	1439.6	182.94	~120	1256.66	451.8	
040402 02 CC5	F gravid	11	55.2	1728	230.53	~120	1497.47	450.3	Whole Fish+Whole Remains
040402 02 Core CCF	Average	10.4		1414.88	178.50		1236.38		1414.88
040402 02 Core CCR									
Catfish Variability									
040302 02 CC1	F gravid	10	47	1132.5	112.13	29.98			
040302 02 CC2	M	9	47.4	977.2	116.52	30.02			
040302 02 CC3	M	9	48	952	137.98	30.07			
040302 02 CC4	F	9	45.8	902.9	137.16	29.99			
040302 02 CC5	M	14	51.4	1190.3	117.85	30.05			
040302 02 CC6	M	7	41.9	621.7	149.27*	29.99			
040302 CC1-6F					* 2 fillets				
Zone 3									
032002 03 CC1	M	8	40.5	590.85	78.99	40.02	511.86	349.7	
032002 03 CC2	M	9	52.1	1505.50	222.87	40.00	1282.63	350.31	
032002 03 CC3	F	10	43.7	738.80	57.65	40.05	681.15	349.60	
032002 03 CC4	M	8	44.9	801.10	46.10	40.03	755.00	349.81	
032002 03 CC5	M	7	40.2	526.85	73.26	40.01	453.59		
032002 03 Core CCF	Average	8		832.62	95.77		736.85		832.62
032002 03 Core CCR									

Table 4 (continued). Summary of channel catfish samples from spring 2001 collections/analyses.

ID#	Sex	Age	Length (cm)	Weight (g)	Fillet Whole (g)	Fillet for Composite (g)	Whole Remains (g)	Remains for Composite (g)	
Zone 4									
032002 04 CC1	F gravid	8	409	642.70	57.70	30.02	585.00	232.49	
032002 04 CC2	F	6	384	441.56	47.91	30.04	393.65	231.91	
032002 04 CC6	F gravid	6	353	392.53	42.32	30.03	350.21	232.63	
032002 04 CC7	M	8	350	361.68	42.06	29.98	319.62	232.23	
032002 04 CC8	M	8	340	328.30	33.15	30.02	295.15	232.00	
032002 04 Core CCF	Average	7		433.35	44.63		388.73		433.35
032002 04 Core CCR									
Catfish Variability									
032002 04 CC1	M	7	385	419.80	40.88	10.03			
032002 04 CC2	M	8	375	400.86	42.18	10.04			
032002 04 CC3	M	11	338	336.99	35.55	9.99			
032002 04 CC4	F	10	362	393.81	35.18	10.03			
032002 04 CC5	F	9	365	376.27	31.73	10.00			
032002 04 CC1-5F						46.90			
Zone 5									
032002 05 CC1	F	11	41.5	624.7	58.97	38.78	565.73	349.56	
032002 05 CC2	F	8	40.5	528.27	50.88	38.47	477.39	349.71	
032002 05 CC3	F	9	48	1021.6	92.54	38.54	929.06	349.15	
032002 05 CC4	F	8	41.5	627.1	46.77	38.04	580.33	349.78	
032002 05 CC5	F	7	38.5	470.46	38.89	38.89	431.57	349.25	
032002 05 Core CCF	Average	9		654.43	57.61		596.82		654.43
032002 05 Core CCR									
Catfish Variability									
032002 05 CC1	F	6	385	472.09	56.26	10.03			
032002 05 CC2	M	6	360	357.38	49.68	10.02			
032002 05 CC3	F	7	387	589.47	54.30	9.99			
032002 05 CC4	M	4	275	174.76	20.52	9.98			
032002 05 CC5	M	8	390	513.33	56.72	9.98			
032002 05 CC1-5F						50.00			

Table 5. Summary of white perch samples from fall 2001 collections/analyses.

Sample ID	Sex	Age	Length (cm)	Weight (g)	Fillet Whole (g)	Fillet (g)	Whole Remains (g)	Remains (g)	
Zone 2									
110801 02 CC2 WP1	F gravid	6	21.9	171.3	32.39	15.01	138.91	29.74	
110801 02 CC2 WP2	F gravid	5	19.9	102.7	20.01	14.98	82.69	29.79	
110801 02 CC2 WP3	Discarded			51.86			51.86		
110801 02 CC2 WP4	M ripe	5	18.1	93.26	18.96	15.02	74.3	29.78	
110801 02 CC2 WP5	M ripe	9	21.2	137.66	27.78	15.01	109.88	29.64	
110801 02 CC2 WP6	M ripe	5	17.4	79.9	15.61	15.03	64.29	29.69	
110801 02 CC2 WP7	Discarded								
110801 02 CC2 WP8	M ripe	5	18.7	96.23	19.95	14.97	76.28	29.75	Whole Fillet+Whole Remains
110801 02 Core WPF	Average	6		104.70	22.45		85.46		107.91
110801 02 Core WPR									
Zone 3									
110801 03 Sed1 WP1	M	2	16.5	66.66	12.93	10.82	51.57	29.94	
110801 03 Sed1 WP3	F	3	16.9	65.51	13.84	10.34	50.89	30	
110801 03 Sed1 WP4	M	3	16.6	69.92	13.97	10.68	53.93	30.02	
110801 03 Sed1 WP5	M	5	18	84.64	18.07	10.78	63.55	30.02	
110801 03 Sed1 WP6	M	3	16	53.53	10.6	10.6	40.18	29.99	
110801 03 Sed1 WP2*	F	6	23.4	203.62	38.86	37.78	158.57	69.12	
110801 03 Core WPF	Average	3		68.05	13.88		52.02		65.91
110801 03 Core WPR									
*individual									
Zone 4									
110801 04 Sed 1 WP1	F(gravid)	3	18.4	88.75	17.13	10.99	71.62	29.99	
110801 04 Sed 1 WP2	F	4	17.3	65.74	14.24	10.99	51.5	30.08	
110801 04 Sed 1 WP3	F	4	17.6	76.98	17.05	10.97	59.93	30.11	
110801 04 Sed 1 WP4	F	3	15.9	51.66	11.45	11.01	40.21	30.14	
110801 04 Sed 2 WP1	F(gravid)	3	18	75.13	15.52	10.97	59.61	29.97	
110801 04 Sed 2 WP2	F	3	16.5	59.74	12.59	11.03	47.15	30.06	
110801 04 Core WPF	Average	3		69.67	14.66		55.00		69.67
110801 04 Core WPR									

Table 5 (continued). Summary of white perch samples from fall 2001 collections/analyses.

Sample ID	Sex	Age	Length (cm)	Weight (g)	Fillet Whole (g)	Fillet (g)	Whole Remains (g)	Remains (g)	
Zone 5									
110801 05 CC5 WP1	M ripe	6	22.3	161.38	33.61	15	90.41	42.01	
110801 05 CC5 WP2	M ripe	3	18.6	92.93	18.9	15.01	52.26	42	
110801 05 CC5 WP3	F gravid	7	20.2	129.27	26.22	15.02	71.96	42.01	
110801 05 CC5 WP4	M ripe	6	19.9	125.26	25.72	15.02	68.3	41.99	
110801 05 CC5 WP5	M ripe	6	19	100.89	19.72	14.99	55.78	42	
110801 05 Core/Var WPF	Average	6		121.95	24.83		67.74		92.58
110801 05 Core WPR									
Variability Study									
110801 05 CC5 WP1	M ripe	6	22.3	161.38	31.11	29			
110801 05 CC5 WP2	M ripe	3	18.6	92.93	19.82	17.62			
110801 05 CC5 WP3	F gravid	7	20.2	129.27	24.55	21.55			
110801 05 CC5 WP4	M ripe	6	19.9	125.26	24.45	21.27			
110801 05 CC5 WP5	M ripe	6	19	100.89	20.61	17.97			
110801 05 Var2 WP1	M	4	18.5	84.27	34.55	5.03	Remainder to individual samples		
110801 05 Var2 WP2	F	3	17.9	75.03	32.22	5.01			
110801 05 Var2 WP3	F	2	16.2	55.79	25.97	5.01			
110801 05 Var2 WP4	M	5	17.5	66.25	28.83	4.99			
110801 05 Var2 WP5	M	3	15.3	44.88	19.76	5.02			
110801 05 Var2 WP6	F	2	13.5	27.39	12.3	5.01			
110801 05 Var2 WPF						28.32			
110801 05 Var3 WP1	M	5	18.6	91.98	36.62	9	Remainder to individual samples		
110801 05 Var3 WP2	M	3	17.3	68.24	29.61	9.01			
110801 05 Var3 WP3	F	2	16.2	52.24	22.01	9.02			
110801 05 Var3 WP4	F	2	15.4	48.56	18.43	8.99			
110801 05 Var3 WP5	M	3	15.8	51.11	21.82	9			
110801 05 Var3 WP6	F gravid	4	16.3	53.32	21.54	8.97			
110801 05 Var3 WPF						41.92			

Table 6. Summary of white perch samples from spring 2001 collections/analyses.

Sample ID	Sex	Age	Length (cm)	Weight (g)	Fillet Whole (g)	Fillet (g)	Whole Remains (g)	Remains (g)	
Zone 2									
062102 02 WP1*	M		15.5	63.23	18.57	10.01	37.76	20	
062102 02 WP2*	F		15.2	60.96	14.92	10.03	37.4	20.01	
062102 02 WP3*	M		15.4	64.25	19.26	9.99	37.67	19.97	
062102 02 WP4*	M		16.3	65.02	18.4	10.03	43.41	20.05	
062102 02 WP5*	F (gravid)		16	66.27	19.9	10.01	42.53	20.02	Whole Fillet+Whole Remains
062102 02 CORE WPF	Average			63.95	18.21		39.75		57.96
062102 02 CORE WPR									
***caught by rod & reel by ANS (near Bordentown, NJ)**									
Zone 3									
032002 03 WP1	F	4	18.3	94.66	21.22	9.98	69.48	49.98	
032002 03 WP2	F	4	17.2	87.13	18.87	10.02	65.29	49.99	
032002 03 WP3	M	5	16.7	62.12	22.18	9.97	73.98	50.02	
032002 03 WP4	M	3	19	99.02	13.95	9.98	45.89	44.27	
032002 03 WP5	F	3	17.7	79.8	15.02	10.01	58.59	49.97	
032002 03 Core WPF	Average	4		84.55	18.25		62.65		80.89
032002 03 Core WPR									
Zone 4									
032002 04 WP1	F	4	184	90.79	19.34	10.01	71.45	49.13	
032002 04 WP2	M	4	196	119.81	19.31	10.00	100.50	49.60	
032002 04 WP3	M	4	183	89.10	15.91	10.03	73.19	49.29	
032002 04 WP4	M	5	179	90.82	16.76	9.99	74.06	49.49	
032002 04 WP5	M	4	165	67.34	12.98	10.00	54.36	48.53	
032002 04 Core WPF	Average	4		91.57	16.86		74.71		91.57
032002 04 Core WPR									
Zone 5									
032002 05 WP1	F	9	23.8	220	38.33	25	195	59.99	
032002 05 WP2	F	9	20.8	183	34.93	24.99	158.01	59.69	
032002 05 WP4	F	6	20.9	177	33.38	24.98	152.02	60.25	
032002 05 WP6	M	6	20.8	162	29.68	24.98	137.02	59.78	
032002 05 WP8	M	5	19.1	115	42.09	24.99	90.01	60.48	
032002 05 Core WPF	Average	7		171.4	35.68		146.41		182.09
032002 05 Core WPR									

Table 7. Summary of prey fish samples from fall 2001 collections/analyses.

Sample ID	Species	
Zone 3		
110801 03 SED1 SFA	4 YOY Channel Catfish	*Ictalurus punctatus*
110801 03 SED1 SFB	1 Hogchoker	*Trinectes maculatus*
110801 03 SED2 SFA	YOY Catfish	*Ictalurus punctatus*
110801 03 SED2 SFB	YOY Catfish	*Ictalurus punctatus*
110801 03 SED2 SFC	YOY Catfish	*Ictalurus punctatus*
Zone 4		
110801 04 CC SFA	4 YOY Channel Catfish	*Ictalurus punctatus*
110801 04 SED1 SFA	16 Croaker	*Micropogonias undulatus*
110801 04 SED1 SFB	15 Croaker	*Micropogonias undulatus*
110801 04 SED1 SFC	5 Hogchoker	*Trinectes maculatus*
110801 04 SD1 SFD	10 YOY Channel Catfish	*Ictalurus punctatus*
110801 04 SD1 SFE	1 Spottailed Shiner	*Notropis hudsonius*
110801 04 SED1 SFF	Tesselated Darter	*Etheostoma olmstedi*
110801 04 SED1 SFG	4 White perch	*Morone americanus*
Zone 5		
110801 05 SED2 SFA	1 YOY Channel Catfish	*Ictalurus punctatus*
110801 05 SED2 SFB	Croaker	*Micropogonias undulatus*
110801 05 SED2 SFC	Croaker	*Micropogonias undulatus*
110801 05 CC SFA	3 American Eels	*Anguilla rostrata*
110801 05 CC SFB	4 Hogchoaker	*Trinectes maculatus*

*Individual species analyzed and composited by zone
**No Zone 2 SF
***YOY= Young of the Year

Table 8. Summary of prey fish samples from spring 2001 collections/analyses.

Small Fish	Species	
Zone 2		
040202 2CC SFA	Gizzard shad	*Dorosoma cepedianum*
040302 02CORE SFA	Spot-tailed Shiners	*Notropis hudsonius*
040302 02CORE SFB	Tessalated Darter	*Etheostoma olmstedi*
040302 02CORE SFC	Banded Killifish	*Fundulus diaphanus*
Zone 3		
032002 03 CORE SFA	YOY Channel Catfish	*Ictalurus punctatus*
032002 03 CORE SFB	Juvenile White Perch	*Morone americanus*
Zone 4		
032002 04 SED2 SFA1	Juvenile White Perch	*Morone americanus*
032002 04 SED2 SFA2	Juvenile White Perch	*Morone americanus*
032002 04 SED2 SFA3	Juvenile White Perch	*Morone americanus*
032002 04 SED2 SFB	YOY Channel Catfish	*Ictalurus punctatus*
032002 04 SED2 SFC	Spottail shiner	*Notropis hudsonius*
Zone 5		
032002 05 SED1 SFA	Juvenile White Perch	*Morone americanus*
032002 05 SED1 SFB	Hogchoker	*Trinectes maculatus*
032002 05 SED1 SFC	YOY Channel Catfish	*Ictalurus punctatus*
032002 05SED3 SFA	Juvenile White Perch	*Morone americanus*
032002 05SED3 SFB	YOY Channel Catfish	*Ictalurus punctatus*

*Individual species analyzed and composited by zone
**YOY= Young of the Year

Table 9. Summary of invertebrate samples from fall 2001 collections/analyses.

Sample ID	Species	
Zone 2		
110801 02 CC INVA	Amphipods	*Gammarus* spp.
110801 02 CC INVB	Blue crab	*Callinectes sapidus*
110801 02 SED1 INV	Amphipods	*Gammarus* spp.
Zone 3		
110801 03 SED1 INV	Amphipods	*Gammarus* spp.
Zone 4		
110801 04 CC INV	Amphipods	*Gammarus* spp.
110801 04 SED1 INV	Amphipods	*Gammarus* spp.
Zone 5		
110801 05 CC INVA	Amphipods	*Gammarus* spp.
110801 05 CC INVB	Grass shrimp	*Palaemonetes* spp.
110801 05 SED2 INV	Grass Shrimp	*Palaemonetes* spp.

Table 10. Summary of invertebrate samples from spring 2001 collections/analyses.

Site	Species	
Zone 2		
040302 02 CC INV	Amphipods	*Gammarus* spp.
040302 02 CORE INV	Amphipods	*Gammarus* spp.
Zone 3		
032002 03 CORE INV	Amphipods	*Gammarus* spp.
032002 03 CORE MACRO INV	Crayfish	Decopoda
Zone 4		
032002 04 CORE INV	Amphipods	*Gammarus* spp.
032002 04 CORE MACRO	Crayfish	Decopoda
Zone 5		
032002 05 CORE INV	Amphipods	*Gammarus* spp.
032002 05 SED1 INV	Amphipods	*Gammarus* spp.
032002 05 SED1 MACRO INV	White fingered mud crab	*Rhithropanopeus harrisii*

Table 11. Summary of sediment samples for fall 2001 collections/analyses.

Sample ID	
Zone 2	
02 Sed1	7310
Zone 3	
03 Sed1	7311
Zone 4	
04 Sed1	7312
04 Sed2	7313
04 CC	7314
Zone 5	
05 Sed1	7315
05 Sed2	7316
05 Sed3	7317
Variability	
05 Sed Var1	7318
05 Sed Var2	7319
05 Sed Var3	7320
05 Sed Var4	7321

Table 12. Summary of sediment samples for spring 2001 collections/analyses.

Sample ID	
Zone 2	
02 Sed1	7538
02 Var2	7539
02 Sed3	7540
02 Var3	7541
02 Var4	7542
02 CC	7543
Zone 3	
03 Sed1	7544
03 Sed2	7545
Zone 4	
04 Sed1	7546
04 Sed2	7547
04 CC	7548
Zone 5	
05 Sed1	7549
05 Sed2	7550
05 Sed2 amphipod	7551
05 Sed3	7552

Table 13. Summary of All Data (blank cells represent ND, BDL, or NA)

Field ID	2CORE Whole Fish	3 CORE Whole Fish	4 CORE Whole Fish	5 CORE Whole Fish	2CCCC1F	2CCCC2F	2CCCC3F
Collected	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001
Matrix	Fish	Fish	Fish	Fish	Fish	Fish	Fish
Species	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish
Zone	2	3	4	5	2	2	2
Description	Whole Fish	Whole Fish	Whole Fish	Whole Fish	Individual Fillet	Individual Fillet	Individual Fillet
Replicate analysis?							
Analyzed by	CBL	CBL	CBL	CBL	CBL	CBL	CBL
Fish Mass (g)					761	799.2	524.2
Fish Length (mm)					442	448	403
Fish Sex					F	F	M
fish Age (yrs)					9	19	9
Fish/Invert. Lipid Content (%)	9.2%	10.1%	8.6%	5.9%	5.1%	1.7%	6.2%
Sediment % Solid							
Sediment % Water							
Sediment % Carbon							
Concentrations (ng/g wet biota or ng/g dry sediment)							
1	3.69				6.49		
3	9.75	14.38	1.34	6.84	54.23	2.93	6.67
4,10	6.43	5.85			2.36		5.97
7,9	0.37	0.61	0.42	0.21	0.35	0.09	0.28
6	0.34	0.59	0.44	0.34	0.53	0.05	0.28
8,5	23.83	37.69	21.25	9.65	11.20	7.54	21.12
19							
12,13	0.45	0.39	0.43	0.25	0.15	0.14	0.30
18	8.30	11.06	8.93	3.94	2.56	2.75	6.27
17	3.93	7.38	5.11	2.22	1.04	0.95	3.68
24	0.29	3.68	0.04	0.13	0.66	0.07	0.21
16,32	5.35	10.68	6.96	2.83	1.82	1.21	4.93
29							
26	0.50	1.30	0.60	0.46	0.26		0.59
25	0.29	0.55	0.40	0.16	0.49	0.08	0.24
31, 28	7.61	15.31	12.66	3.23	2.55	1.51	6.17
33,21,53	7.87	13.98	10.30	4.27	2.95	2.39	6.21
51	1.37	4.58	2.94	0.73	0.61	0.30	1.40
22	0.89	3.07	2.08	0.49	0.73		0.68
45	5.80	9.49	6.69	2.61	2.51	2.02	5.11
46	5.60	9.10	5.03	2.05	1.74	1.90	4.23
52	7.77	18.50	16.72	5.50	3.24	1.58	7.40
49	8.83	14.98	11.39	5.82	5.56	3.09	10.63
47,48	14.17	36.63	12.40	7.01	6.34	5.96	9.13
44	8.49	18.07	15.20	4.78	3.26	1.88	9.68
37,42	8.89	14.91	11.05	3.80	2.87	1.96	8.53
41,64,71	14.45	27.61	21.74	8.37	5.12	4.05	11.75
40	2.00	4.27	3.58	1.39	1.34	0.56	1.39
100	3.77	7.69	4.51	2.04	1.65	1.26	2.73
63	2.03	3.35	2.64	1.51	1.08	0.61	1.28
74	11.22	19.21	12.84	4.85	3.63	3.21	8.30
70,76	4.44	8.64	6.45	1.90	2.17	1.33	3.21

Field ID	2CORE Whole Fish	3 CORE Whole Fish	4 CORE Whole Fish	5 CORE Whole Fish	2CCCC1F	2CCCC2F	2CCCC3F
66,95	38.34	77.54	62.68	22.75	14.66	9.93	34.99
91	4.97	8.88	7.22	3.10	1.52	1.39	4.12
56,60/92,84	23.83	45.02	22.31	9.51	7.78	6.22	23.01
89	34.09	70.14	17.44	7.60	11.79	8.37	32.34
101	19.92	38.82	28.91	12.05	7.22	5.84	16.88
99	16.70	24.74	20.20	10.77	4.84	6.31	11.63
119	4.04	4.79	3.68	1.60	0.87	1.58	2.57
83	3.55	7.42	4.29	1.61	1.45	1.03	3.17
97	26.43	44.48	20.00	10.39	12.51	7.17	33.38
81,87	18.76	3.75	41.13	1.06	0.62	0.67	1.66
85	11.97	14.71	12.76	4.94	71.57	4.53	8.23
136	10.36	4.16	2.77	1.12	0.32	0.23	0.99
77,110	38.41	66.28	54.09	21.28	11.67	12.10	31.96
82, 151	2.90	6.50	3.65	1.83	1.19	0.92	2.18
135,144	7.27	16.13	9.86	4.03	2.46	2.55	5.80
107	3.58	5.80	4.65	2.21	1.05	1.27	2.45
123,149	32.33	64.18	41.44	16.56	12.40	11.27	27.44
118	41.68	57.28	45.83	18.77	10.05	15.02	29.25
134	1.17	3.58	0.99	0.79	0.98	0.24	1.29
146	13.37	21.09	13.94	9.06	4.36	5.02	8.73
132,105,153	137.93	214.88	89.06	64.74	32.37	54.24	101.53
141	13.29	53.33	22.73	10.16	5.62	4.74	7.84
137,130,176	4.49	7.47	5.48	2.53	1.47	1.59	3.41
163,138	97.67	171.80	96.14	45.49	28.81	37.67	65.13
158	2.83	5.25	2.87	1.45	0.96	1.21	1.90
129,178	9.56	18.12	10.25	5.58	3.22	3.35	6.23
187,182	37.41	65.66	35.16	22.42	12.71	14.91	24.93
183	22.49	47.02	21.16	11.40	7.12	8.96	14.23
128	8.40	14.01	9.15	4.04	2.68	2.83	5.43
185	4.04	9.56	4.78	2.00	1.41	1.58	2.76
174	12.89	42.44	19.86	9.73	5.71	4.87	8.35
177	15.20	23.85	16.06	6.83	5.41	6.57	11.95
202,171,156	17.45	34.25	18.28	6.13	5.13	6.35	10.87
157,200	6.42	10.86	8.24	5.68	1.95	2.21	3.93
172,197	6.03	18.86	9.26	5.49	2.52	2.10	3.58
180	67.99	179.54	82.16	40.82	24.03	25.50	43.49
193	23.81	38.98	23.12	7.62	4.35	6.13	15.94
191	2.19	5.22	1.89	0.91	0.71	0.80	1.47
199							
170,190	30.02	96.10	31.31	13.74	10.18	10.02	17.30
198	1.65	3.23	2.75	1.80	0.61	0.55	1.03
201	14.68	35.74	25.94	18.27	6.26	4.80	8.43
203,196	36.52	76.31	44.64	28.32	12.06	13.25	22.06
189	0.81	2.58	1.23	0.56	0.47	0.25	0.44
208,195	13.20	28.75	9.74	25.14	6.13	4.28	7.10
207	2.08	3.67	5.50	5.77	1.38	0.65	1.04
194	8.46	31.40	16.79	7.84	4.03	2.44	4.54
205	1.03	2.24	1.19	0.48	1.34	0.35	0.56
206	14.20	29.39	49.11	39.77	8.19	3.76	6.91
209	5.94	12.01	23.82	21.26	3.61	1.63	2.81

Field ID	2CORE Whole Fish	3 CORE Whole Fish	4 CORE Whole Fish	5 CORE Whole Fish	2CCCC1F	2CCCC2F	2CCCC3F
T PCBs (ng/g wet weight)	**1151.09**	**2191.38**	**1309.65**	**664.36**	**509.22**	**378.72**	**835.61**
Lipid Normalized (ng/g lipid)	**12485**	**21740**	**15211**	**11222**	**9908**	**22543**	**13575**
Organic Carbon Normalized for Sediment (ng/g OC)							
Recovery							
14	356%	513%	451%	144%	231%	137%	334%
65							
166	101%	132%	91%	63%	81%	89%	97%
Distribution of Homologue Groups (in ng/g wet biota or ng/g dry sediment)							
mono	13	14	1	7	61	3	7
di	31	45	23	10	15	8	28
tri	36	67	47	17	13	9	30
tetra	126	250	171	67	51	37	110
penta	270	442	321	119	153	79	220
hexa	342	598	305	165	95	127	234
hepta	159	408	185	86	53	56	103
octa	42	107	61	56	19	14	24
nona	16	33	55	46	10	4	8
deca	6	12	24	21	4	2	3
total	1042	1976	1192	595	473	337	765
Percent Homologue Distribution (with monos)							
mono	0.01	0.01	0.00	0.01	13%	1%	1%
di	0.03	0.02	0.02	0.02	3%	2%	4%
tri	0.03	0.03	0.04	0.03	3%	3%	4%
tetra	0.12	0.13	0.14	0.11	11%	11%	14%
penta	0.26	0.22	0.27	0.20	32%	23%	29%
hexa	0.33	0.30	0.26	0.28	20%	38%	31%
hepta	0.15	0.21	0.16	0.14	11%	17%	13%
octa	0.04	0.05	0.05	0.09	4%	4%	3%
nona	0.02	0.02	0.05	0.08	2%	1%	1%
deca	0.01	0.01	0.02	0.04	1%	0%	0%
Percent Homologue Distribution (w/o monos)							
di	3%	2%	2%	2%	4%	2%	4%
tri	3%	3%	4%	3%	3%	3%	4%
tetra	12%	13%	14%	11%	12%	11%	14%
penta	26%	23%	27%	20%	37%	24%	29%
hexa	33%	30%	26%	28%	23%	38%	31%
hepta	15%	21%	16%	15%	13%	17%	14%
octa	4%	5%	5%	10%	5%	4%	3%
nona	2%	2%	5%	8%	2%	1%	1%
deca	1%	1%	2%	4%	1%	0%	0%

Table 13. Summary of All Data (bl

Field ID	2CCCC4F	2CCCC5F	2CCCC1-5F	4CCCC1F	4CCCC2F	4CCCC3F	4CCCC4F	4CCCC5F	4CCCC1-5F
Collected	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001
Matrix	Fish	Fish	Fish	Fish	Fish	Fish	Fish	Fish	Fish
Species	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish
Zone	2	2	2	4	4	4	4	4	4
Description	Individual Fillet	Individual Fillet	Composite fillet	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Composite fillet
Replicate analysis?									
Analyzed by	CBL	CBL		CBL	CBL	CBL	CBL	CBL	CBL
Fish Mass (g)	1020.4	863.4		240.31	467.75	376.91	352.38	129.28	
Fish Length (mm)	492	474		337	388	353	360	267	
Fish Sex	M	F		M	M	M	F	M	
fish Age (yrs)	11	13		8	7	7	5	3	
Fish/Invert. Lipid Content (%)	3.0%	3.5%	0.0%	4.2%	2.3%	6.0%	2.7%	2.6%	3.6%
Sediment % Solid									
Sediment % Water									
Sediment % Carbon									
Concentrations (ng/g wet biota or ng/g dry se									
1			6.49				9.94		
3	4.30	5.41	14.71	2.84	0.70	1.90	39.28	1.65	0.99
4,10	2.85	3.34	3.63						
7,9	0.18	0.29	0.24	0.24	0.41	0.17	0.52	0.14	0.26
6	0.16	0.26	0.26	0.26	0.26	0.15	0.45	0.27	0.28
8,5	9.34	13.99	12.64	9.99	8.98	13.55	16.95	4.42	13.19
19									
12,13	0.19	0.31	0.22	0.24	0.22	0.17	0.38	0.13	0.31
18	3.60	5.49	4.13	5.25	6.14	3.51	4.78	1.97	4.76
17	1.79	2.76	2.04	2.99	2.78	2.23	2.62	1.31	2.78
24	0.12	0.17	0.24	0.24	0.23	0.16	0.24	0.07	0.24
16,32	2.24	3.67	2.77	4.61	4.48	3.55	4.47	1.53	4.27
29									
26	0.22	0.20	0.32	0.30	0.64	0.23	0.56	0.33	0.44
25	0.14	0.22	0.23	0.22	0.46	0.11	0.20	0.16	0.17
31, 28	3.38	4.97	3.72	5.46	4.41	4.20	4.42	1.38	4.75
33,21,53	3.32	5.57	4.09	6.21	4.71	3.64	6.38	2.38	5.11
51	0.53	0.76	0.72	1.73	1.68	1.53	1.23	0.24	1.50
22	0.47	0.61	0.62	0.81	0.79	1.00	1.16	0.43	0.97
45	2.11	3.51	3.05	3.87	2.76	3.20	3.66	0.98	3.40
46	1.72	3.16	2.55	2.88	1.02	2.67	1.75	0.66	2.17
52	3.48	4.63	4.07	8.70	8.23	6.25	7.50	2.30	7.46
49	10.22	6.41	7.18	6.95	15.46	3.80	10.08	9.55	7.35
47,48	9.30	14.40	9.03	8.21	13.57	4.30	11.93	7.57	7.57
44	2.83	5.10	4.55	9.09	6.83	6.39	7.49	1.40	7.40
37,42	3.24	5.52	4.42	5.95	5.53	3.83	5.68	1.47	4.86
41,64,71	5.41	10.24	7.31	13.01	7.53	8.57	11.27	4.02	10.84
40	0.57	1.20	1.01	2.27	1.40	1.55	1.92	0.57	1.81
100	1.36	2.50	1.90	2.28	2.13	1.53	1.92	0.95	1.85
63	0.60	1.40	0.99	1.35	1.15	0.89	0.87	0.72	1.02
74	4.23	8.06	5.49	5.93	4.67	4.25	5.77	2.33	5.15
70,76	1.92	2.66	2.26	3.48	1.40	1.46	2.42	0.77	2.50

Field ID	2CCCC4F	2CCCC5F	2CCCC1-5F	4CCCC1F	4CCCC2F	4CCCC3F	4CCCC4F	4CCCC5F	4CCCC1-5F
66,95	13.70	30.71	20.80	34.85	23.13	20.12	28.64	7.93	26.98
91	1.73	3.30	2.41	3.96	3.30	2.37	3.38	1.23	3.20
56,60/92,84	7.84	14.40	11.85	10.95	6.41	9.86	8.36	3.29	9.56
89	7.75	18.21	15.69	39.44	16.61	9.07	24.17	1.52	6.28
101	7.92	13.89	10.35	16.18	13.84	9.05	13.39	5.74	12.75
99	5.99	12.87	8.33	10.42	8.37	5.57	9.12	5.87	8.37
119	1.32	2.31	1.73	1.63	1.15	1.71	1.78	0.66	1.46
83	1.17	2.01	1.77	2.29	1.36	1.31	1.68	0.55	1.81
97	14.66	18.95	17.34	20.87	21.70	11.07	27.48	6.23	17.19
81,87	0.63	25.14	5.74	1.65	6.86	0.98	1.62		1.36
85	3.87	7.96	19.23	5.66	3.80	3.01	5.03	2.63	4.54
136	0.34	0.50	0.49	1.52	0.52	0.68	1.18	0.21	1.05
77,110	12.19	27.51	19.09	31.57	20.28	17.73	28.05	7.14	24.77
82, 151	1.07	1.66	1.40	2.57	1.72	0.92	1.92	0.76	1.94
135,144	2.64	4.32	3.55	5.43	3.73	2.62	4.32	1.65	4.07
107	1.16	2.57	1.70	2.39	1.33	1.15	1.70	1.10	1.75
123,149	10.72	21.87	16.74	23.82	20.25	12.53	19.32	5.64	18.36
118	13.31	28.89	19.30	21.59	12.21	11.26	17.87	9.87	16.50
134	0.40	0.68	0.72	0.64	0.50	0.44	0.82	0.51	0.70
146	4.83	10.28	6.64	8.02	8.20	3.88	6.49	4.62	6.48
132,105,153	48.44	98.27	66.97	72.98	58.49	35.43	40.09	31.33	58.90
141	4.04	9.09	6.27	11.55	11.24	6.12	10.85	5.07	10.15
137,130,176	1.27	3.04	2.15	3.27	2.34	1.55	2.94	0.96	2.64
163,138	33.73	69.08	46.88	52.13	45.15	25.95	45.60	23.99	42.59
158	1.15	1.97	1.44	1.52	1.31	0.90	1.64		1.39
129,178	3.27	6.70	4.55	5.66	5.26	2.76	5.63	2.72	4.93
187,182	13.31	26.27	18.42	19.33	21.25	10.03	15.77	10.19	15.92
183	7.49	15.49	10.66	11.00	11.10	5.31	8.46	4.75	9.07
128	2.50	5.36	3.76	4.72	3.55	2.11	5.09	2.20	3.73
185	1.23	2.35	1.87	2.39	2.08	1.20	2.05	0.87	2.04
174	3.74	7.92	6.12	11.09	9.75	5.77	10.59	4.40	9.81
177	2.53	10.44	7.38	9.88	7.73	4.55	8.03	1.02	7.77
202,171,156	5.51	11.63	7.90	9.02	6.90	4.46	8.06	3.28	7.59
157,200	1.76	4.19	2.81	4.09	3.14	2.09	4.31	2.45	3.72
172,197	1.78	3.87	2.77	4.85	4.16	2.41	4.29	2.29	4.28
180	20.08	42.65	31.15	44.82	38.00	21.16	35.44	17.10	37.51
193	6.04	13.07	9.11	9.44	4.40	8.44	5.08	2.24	6.95
191	0.65	1.10	0.94	0.91	0.76	0.44	0.63	0.35	0.78
199			ND						
170,190	7.88	18.22	12.72	16.92	13.96	7.78	16.26	6.04	14.10
198	0.46	1.08	0.75	1.31	1.17	0.72	1.27	0.75	1.14
201	3.96	9.86	6.66	13.53	10.95	7.54	13.48	8.22	12.41
203,196	9.86	23.14	16.07	21.59	15.49	11.27	19.64	11.20	19.69
189	0.21	0.51	0.38	0.60	0.56	0.31	0.46	0.21	0.52
208,195	3.27	8.37	5.83	3.65	10.07	1.77	17.36	10.74	3.21
207	0.48	1.41	0.99	2.46	1.91	1.67	3.42	2.75	2.88
194	1.92	5.07	3.60	8.20	4.86	3.96	7.40	3.11	7.11
205	0.23	0.52	0.60	0.63	0.55	0.26	0.63	0.21	0.52
206	2.79	8.89	6.11	23.67	12.27	15.54	28.96	17.33	24.50
209	1.25	3.51	2.56	11.29	6.62	8.21	14.70	11.82	12.65

Field ID	2CCCC4F	2CCCC5F	2CCCC1-5F	4CCCC1F	4CCCC2F	4CCCC3F	4CCCC4F	4CCCC5F	4CCCC1-5F
T PCBs (ng/g wet weight)	**383.86**	**777.91**	**583.19**	**743.29**	**598.88**	**409.86**	**710.36**	**304.45**	**601.00**
Lipid Normalized (ng/g lipid)	**12651**	**22306**	**1270215**	**17832**	**25630**	**6839**	**26418**	**11802**	**16479**
Organic Carbon Normalized for Sediment (ng/g OC)									
Recovery									
14	204%	200%	221%	216%	283%	655%	228%	136%	305%
65									
166	98%	100%	93%	69%	78%	83%	93%	83%	87%
Distribution of Homologue Groups (in ng/g									
mono	4	5	21	3	1	2	49	2	1
di	13	18	17	11	10	14	18	5	14
tri	15	24	18	26	25	19	24	9	23
tetra	57	90	69	96	86	64	90	39	81
penta	88	196	147	192	135	95	163	51	127
hexa	114	233	160	190	158	94	144	80	155
hepta	43	98	71	99	79	51	81	34	82
octa	11	27	19	29	29	15	42	24	26
nona	3	10	7	26	14	17	32	20	27
deca	1	4	3	11	7	8	15	12	13
total	349	705	532	683	544	378	659	275	549
Percent Homologue Distribution (with mor									
mono	1%	1%	4%	0%	0%	1%	7%	1%	0%
di	4%	3%	3%	2%	2%	4%	3%	2%	3%
tri	4%	3%	3%	4%	5%	5%	4%	3%	4%
tetra	16%	13%	13%	14%	16%	17%	14%	14%	15%
penta	25%	28%	28%	28%	25%	25%	25%	19%	23%
hexa	33%	33%	30%	28%	29%	25%	22%	29%	28%
hepta	12%	14%	13%	14%	15%	13%	12%	12%	15%
octa	3%	4%	4%	4%	5%	4%	6%	9%	5%
nona	1%	1%	1%	4%	3%	5%	5%	7%	5%
deca	0%	0%	0%	2%	1%	2%	2%	4%	2%
Percent Homologue Distribution (w/o mon									
di	4%	3%	3%	2%	2%	4%	3%	2%	3%
tri	4%	3%	4%	4%	5%	5%	4%	3%	4%
tetra	17%	13%	13%	14%	16%	17%	15%	14%	15%
penta	25%	28%	29%	28%	25%	25%	27%	19%	23%
hexa	33%	33%	31%	28%	29%	25%	24%	29%	28%
hepta	12%	14%	14%	14%	15%	14%	13%	12%	15%
octa	3%	4%	4%	4%	5%	4%	7%	9%	5%
nona	1%	1%	1%	4%	3%	5%	5%	7%	5%
deca	0%	1%	1%	2%	1%	2%	2%	4%	2%

Table 13. Summary of All Data (bl

Field ID	5SED2CC1F	5SED2CC2F	5SED2CC3F	5SED2CC4F	5SED2CC5F	5SED2CC1-5F	2 CORE WHOLE FISH	3 CORE WHOLE FISH
Collected	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Spring 2002	Spring 2002
Matrix	Fish	Fish	Fish	Fish	Fish	Fish	Fish	Fish
Species	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish
Zone	5	5	5	5	5	5	2	3
Description	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Composite fillet	Whole Fish	Whole Fish
Replicate analysis?								
Analyzed by	CBL	CBL	CBL	CBL	CBL	CBL	CBL	CBL
Fish Mass (g)	500.76	569.79	963.1	537.63	184.1			
Fish Length (mm)	405	419	477	397	295			
Fish Sex	F	M	M	F	F			
fish Age (yrs)	6	5	8	7	5			
Fish/Invert. Lipid Content (%)	5.8%	1.8%	6.2%	2.6%	2.7%	4.0%	4.8%	7.4%
Sediment % Solid								
Sediment % Water								
Sediment % Carbon								
Concentrations (ng/g wet biota or ng/g dry se								
1							0.44	0.13
3	3.11	1.27	5.84	1.18	1.77	3.14	2.62	6.31
4,10							3.33	2.48
7,9	0.16	0.07	0.39	0.10	0.06	0.21	0.16	0.28
6	0.22	0.05	0.50	0.11	0.06	0.19	0.01	0.05
8,5	8.15	1.84	16.88	4.99	3.33	7.73	8.02	24.28
19	0.46		0.83				0.25	0.37
12,13	0.20	0.08	0.40	0.09	0.08	0.24	0.19	
18	3.09	0.87	7.48	1.49	1.28	3.60	4.46	8.45
17	1.91	0.47	4.57	1.10	0.84	2.16	1.84	4.47
24	0.16	0.05	0.35	0.03	0.07	0.16	0.15	0.44
16,32	2.57	0.68	6.45	0.86	1.23	2.88	2.39	6.72
29							0.20	0.43
26	0.19	0.02	0.32	0.16	0.11	0.20	0.32	1.14
25	0.16	0.03	0.34	0.16	0.06	0.18		
31, 28	3.12	0.52	8.26	2.22	1.41	3.29	2.99	12.02
33,21,53	3.36	0.96	8.41	1.56	1.29	4.09	3.80	9.85
51	0.74	0.12	2.14	0.21	0.46	0.79	0.59	4.26
22	0.55		1.69		0.34	0.75	0.53	1.73
45	1.81	0.58	5.21	1.32	1.00	2.16	2.63	9.90
46	1.29	0.31	3.55	1.27	0.57	1.38	2.46	4.68
52	5.34	1.01	11.54	2.71	2.91	5.10	3.48	17.65
49	4.56	2.74	10.27	4.80	3.10	5.48		
47,48	4.89	1.80	11.90	2.65	1.66	6.25	6.54	29.16
44	3.61	0.97	12.41	0.96	2.38	4.10	3.66	16.75
37,42	2.69	0.70	7.92	1.66	1.55	3.16	3.47	13.25
41,64,71	5.33	1.75	17.99	2.79	3.24	6.96	6.65	22.67
40	0.98	0.33	2.90	0.70	0.58	1.10	0.51	3.54
100	1.38	0.36	3.62	1.35	0.67	1.50	1.47	5.49
63	0.97	0.22	2.22	1.31	0.48	1.01	0.73	2.53
74	3.19	0.84	8.66	3.19	1.43	3.71	4.79	15.59
70,76	1.59	0.36	4.73	1.06	0.70	1.70	1.83	7.95

Field ID	5SED2CC1F	5SED2CC2F	5SED2CC3F	5SED2CC4F	5SED2CC5F	5SED2CC1-5F	2 CORE WHOLE FISH	3 CORE WHOLE FISH
66,95	15.68	4.08	45.85	11.57	8.71	17.99	15.55	63.95
91	2.13	0.59	5.52	1.83	1.07	2.38	2.16	8.25
56,60/92,84	5.89	1.57	18.65	4.95	2.49	6.35	9.51	41.52
89	3.74	1.10	10.58	2.16	2.23	3.54	5.11	90.42
101	8.26	2.29	21.74	8.43	4.18	9.39	8.84	34.82
99	6.11	1.92	15.77	7.71	2.87	7.44	7.80	22.59
119	0.96	0.27	2.57	1.14	0.43	1.11	2.79	6.59
83	1.07	0.28	2.92	0.65	0.54	0.98	1.40	8.23
97	5.91	1.98	12.64	4.66	2.44	7.72	19.68	60.78
81,87	0.72		2.08		0.37	0.76	0.92	3.58
85	2.59	0.76	7.56	3.39	1.46	3.40	3.96	14.47
136	0.47	0.17	1.64	0.42	0.34	0.62	1.01	1.86
77,110	14.63	3.87	43.24	1.65	7.58	14.80	15.73	66.57
82, 151	1.14	0.31	2.40	1.13	0.54	1.30	1.43	5.34
135,144	2.59	0.67	6.75	2.92	1.26	2.90	3.03	12.31
107	1.38	0.41	3.24	1.13	0.52	1.45	1.46	4.73
123,149	10.52	3.45	31.53	10.33	5.91	12.44	14.47	53.94
118	9.98	2.54	30.91	12.34	4.32	12.58	17.55	50.69
134	0.49	0.24	0.89	0.47	0.25	0.60	1.55	7.26
146	4.83	1.87	10.91	6.23	2.04	5.99	7.53	19.03
132,105,153	32.39	12.27	100.36	40.26	18.88	44.71	70.09	178.38
141	5.48	1.54	13.38	7.13	2.70	6.68	6.39	28.92
137,130,176	1.47	0.55	4.12	0.92	0.80	1.75	2.36	7.49
163,138	24.58	7.99	70.15	26.54	12.13	31.54	46.07	122.84
158	0.82		2.05			1.23	1.77	4.29
129,178	3.02	1.06	6.87	3.46	1.59	3.52	4.47	13.33
187,182	11.85	4.52	25.25	15.49	4.77	14.33	18.19	46.11
183	5.56	1.68	14.98	7.52	2.76	7.19	10.04	29.68
128	2.33	0.49	6.03	2.78	1.06	2.77	3.94	11.54
185	1.00	0.33	2.78	1.52	0.62	1.37	1.67	5.74
174	5.02	1.83	13.08	7.44	3.21	6.78	6.06	25.90
177	2.77	1.35	11.34	1.67	2.07	3.96	6.51	22.10
202,171,156	3.49	1.36	9.35	4.74	1.82	6.48	7.71	22.04
157,200	2.67	0.97	6.03	3.52	1.39	3.40	2.93	8.11
172,197	2.52	0.91	5.66	3.64	1.42	3.15	2.83	9.97
180	18.88	5.81	49.57	28.58	11.78	24.43	28.45	96.44
193	3.72	0.96	12.47	4.69	1.65	4.77	20.23	29.66
191	0.42	0.10	1.27	0.52	0.22	0.52	0.90	2.49
199								
170,190	6.33	1.93	17.77	9.59	3.72	7.76	11.35	45.12
198	0.80	0.33	1.77	1.29	0.50	1.04	0.70	2.05
201	8.39	3.29	17.38	13.79	5.29	10.74	6.86	21.73
203,196	12.25	4.51	30.08	19.63	9.06	16.14	14.96	42.74
189	0.26	0.08	0.72	0.37	0.18	0.32	0.34	1.21
208,195	10.77	0.34	3.78	20.48	1.01	2.70	6.29	19.08
207	2.43	1.21	5.10	4.13	1.99	3.35	1.29	2.98
194	3.19	1.11	7.92	5.53	2.62	4.37	3.44	13.89
205	0.18	0.07	0.60	0.35	0.20	0.31	0.40	1.21
206	16.06	7.02	36.64	34.80	16.01	22.95	8.26	23.70
209	8.94	4.63	19.84	20.13	9.39	13.09	4.35	11.51

Field ID	5SED2CC1F	5SED2CC2F	5SED2CC3F	5SED2CC4F	5SED2CC5F	5SED2CC1-5F	2 CORE WHOLE FISH	3 CORE WHOLE FISH
T PCBs (ng/g wet weight)	**362.46**	**115.62**	**941.56**	**413.61**	**201.05**	**438.32**	**510.88**	**1659.77**
Lipid Normalized (ng/g lipid)	**6279**	**6350**	**15135**	**16086**	**7396**	**11003**	**10577**	**22582**
Organic Carbon Normalized for Sediment (ng/g OC)								
Recovery								
14	204%	81%	324%	176%	115%	187%	193%	354%
65								
166	71%	64%	95%	91%	59%	85%	78%	89%
Distribution of Homologue Groups (in ng/g								
mono	3	1	6	1	2	3	3	6
di	9	2	18	5	4	8	12	27
tri	15	3	38	8	7	17	17	47
tetra	48	15	134	33	26	56	50	199
penta	73	21	205	58	36	83	108	456
hexa	88	30	250	102	46	116	163	453
hepta	40	13	112	56	24	52	77	233
octa	25	6	34	43	10	21	19	62
nona	18	8	42	39	18	26	10	27
deca	9	5	20	20	9	13	4	12
total	328	104	859	366	182	395	462	1522
Percent Homologue Distribution (with mor								
mono	1%	1%	1%	0%	1%	1%	0.01	0.00
di	3%	2%	2%	1%	2%	2%	0.03	0.02
tri	5%	3%	4%	2%	4%	4%	0.04	0.03
tetra	15%	14%	16%	9%	14%	14%	0.11	0.13
penta	22%	20%	24%	16%	20%	21%	0.23	0.30
hexa	27%	29%	29%	28%	25%	29%	0.35	0.30
hepta	12%	13%	13%	15%	13%	13%	0.17	0.15
octa	8%	5%	4%	12%	6%	5%	0.04	0.04
nona	6%	8%	5%	11%	10%	7%	0.02	0.02
deca	3%	4%	2%	5%	5%	3%	0.01	0.01
Percent Homologue Distribution (w/o mon								
di	3%	2%	2%	1%	2%	2%	3%	2%
tri	5%	3%	5%	2%	4%	4%	4%	3%
tetra	15%	14%	16%	9%	14%	14%	11%	13%
penta	22%	20%	24%	16%	20%	21%	24%	30%
hexa	27%	30%	29%	28%	26%	30%	36%	30%
hepta	12%	13%	13%	15%	13%	13%	17%	15%
octa	8%	5%	4%	12%	6%	5%	4%	4%
nona	6%	8%	5%	11%	10%	7%	2%	2%
deca	3%	5%	2%	6%	5%	3%	1%	1%

Table 13. Summary of All Data (bl

Field ID	4 CORE WHOLE FISH	5 CORE Whole transformed	2CC CC1F	2CC CC2F	2CC CC3F	2CC CC4F	2CC CC5F
Collected	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002
Matrix	Fish	Fish	Fish	Fish	Fish	Fish	Fish
Species	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish
Zone	4	5	2	2	2	2	2
Description	Whole Fish	Whole Fish	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet
Replicate analysis?							
Analyzed by	CBL	CBL	CBL	CBL	CBL	CBL	CBL
Fish Mass (g)			1133	977	952	903	1190
Fish Length (mm)			470	474	480	458	514
Fish Sex			F	M	M	F	M
fish Age (yrs)			10	9	9	9	14
Fish/Invert. Lipid Content (%)	9.0%	10.1%	6.2%	6.8%	5.4%	6.9%	1.9%
Sediment % Solid							
Sediment % Water							
Sediment % Carbon							
Concentrations (ng/g wet biota or ng/g dry se							
1	4.82		6.01	1.68	0.23	0.15	0.82
3	10.18	4.45	5.88	9.42	5.34	4.28	3.56
4,10	1.52	1.70	1.95	2.89	1.73	3.06	1.10
7,9	0.14	0.36	0.42	0.52	0.19	0.18	0.31
6	0.03	0.30	0.25	0.36	0.15	0.10	0.21
8,5	30.11	20.80	21.25	22.44	14.03	15.74	11.65
19	0.61	0.96	0.47	0.74	0.34	0.36	0.27
12,13	0.15	0.48	0.65	0.47	0.19	0.26	0.30
18	3.83	9.03	12.47	12.72	6.21	5.91	6.05
17	2.67	4.89	4.64	5.02	2.47	2.74	2.57
24		0.46	0.16	0.50	0.19	0.24	0.13
16,32	4.73	4.80	3.75	7.38	2.61	3.72	2.57
29	0.15	0.42	0.62	0.44	0.22	0.22	0.32
26	0.91	0.88	0.55	0.39	0.26	0.45	0.36
25				1.06			0.58
31, 28	13.59	7.93	7.54	8.66	3.77	5.55	4.27
33,21,53	4.97	7.77	8.68	8.70	4.34	5.57	4.51
51	3.07	1.75	1.18	1.94	1.05	1.86	0.75
22	1.13	1.11	0.78	2.40	0.65	0.94	0.60
45	7.45	6.90	7.24	6.94	4.04	5.68	3.69
46	6.40	3.06	2.56	2.27	1.77	3.41	4.56
52	19.83	13.09	8.18	9.30	5.53	8.03	6.36
49							
47,48	27.25	15.51	27.87	19.77	7.20	7.03	20.97
44	14.29	11.09	3.14	10.90	4.10	9.41	3.46
37,42	12.11	9.35	5.47	8.56	5.16	8.06	4.81
41,64,71	19.45	18.14	10.78	15.93	8.21	11.40	12.64
40	3.52	2.77	1.94	1.98	0.94	1.66	1.42
100	5.29	4.15	4.30	3.32	1.98	2.46	3.32
63	3.41	2.85	1.65	1.36	0.69	1.15	1.90
74	14.88	11.60	11.53	9.50	5.30	7.06	9.03
70,76	5.02	3.71	3.41	3.23	1.95	3.17	2.08

Field ID	4 CORE WHOLE FISH	5 CORE Whole transformed	2CC CC1F	2CC CC2F	2CC CC3F	2CC CC4F	2CC CC5F
66,95	59.35	45.90	31.81	32.33	18.73	31.47	23.87
91	8.27	7.54	4.88	4.04	2.92	4.17	3.59
56,60/92,84	35.29	22.96	19.17	23.05	15.42	21.49	18.15
89	87.81	38.19	33.86	38.05	16.73	49.79	4.18
101	36.01	28.40	21.77	16.14	12.24	16.36	17.61
99	25.22	23.85	18.23	9.83	7.97	10.32	17.48
119	7.79	5.25	4.49	4.12	2.86	4.81	4.28
83	9.47	5.27	3.62	3.14	2.45	3.53	3.18
97	44.93	55.37	51.55	34.79	21.25	29.19	35.14
81,87	3.15	2.39	0.87	1.74	1.07	1.63	1.61
85	13.26	9.34	8.47	4.77	4.39	5.25	10.77
136	1.94	2.59	1.06	0.85	0.47	1.36	0.22
77,110	61.92	51.01	8.28	27.29	17.54	29.43	21.13
82, 151	5.21	3.92	2.79	2.20	1.71	2.58	3.03
135,144	11.86	9.15	7.38	4.54	3.99	5.75	6.00
107	5.28	4.72	2.36	1.88	1.53	2.09	3.56
123,149	44.02	41.92	25.61	24.20	16.36	26.08	16.14
118	50.46	35.98	30.86	18.43	15.34	21.91	34.32
134	6.21	4.43	4.56	3.35	2.51	3.26	3.82
146	23.76	24.40	18.44	9.22	7.16	9.30	17.13
132,105,153	166.76	158.52	131.31	89.16	60.89	87.88	117.68
141	32.00	22.98	24.59	9.12	5.03	6.59	29.79
137,130,176	6.86	6.91	2.64	3.26	2.07	3.72	2.58
163,138	126.72	109.99	87.12	55.72	43.71	56.17	98.06
158	3.67	3.57	4.00	2.14	1.62	1.91	3.81
129,178	14.66	15.25	11.51	6.11	4.49	5.62	9.96
187,182	51.19	52.96	40.76	23.17	17.30	21.83	36.83
183	27.70	25.85	26.00	12.52	9.80	12.56	25.60
128	13.01	9.60	9.42	4.54	3.78	4.98	12.47
185	6.01	4.53	4.42	2.36	1.69	2.25	3.86
174	26.03	23.38	20.77	8.63	4.95	7.19	17.36
177	15.28	18.92	4.13	8.93	3.41	9.94	2.03
202,171,156	24.51	22.99	18.94	8.79	6.93	9.25	18.50
157,200	10.46	14.12	8.53	3.68	2.51	3.36	5.78
172,197	14.10	11.97	9.10	3.39	2.05	2.79	9.68
180	116.24	90.52	85.90	35.26	22.20	30.39	85.48
193	38.47	20.64	18.73	13.95	11.83	19.58	31.00
191	2.20	1.75	2.16	1.09	0.80	1.03	2.35
199	4.79	10.44	5.87				2.89
170,190	53.59	36.63	37.27	13.57	8.96	12.20	39.84
198	3.64	3.62	2.15	0.78	0.52	0.74	1.93
201	39.27	39.90	23.22	7.46	4.20	5.97	18.93
203,196	60.01	57.46	40.79	15.91	10.81	15.33	35.63
189	1.61	1.25	1.06	0.37	0.44	0.32	1.05
208,195	43.93	53.79	25.34	6.32	3.91	5.52	14.34
207	7.03	11.96	5.39	1.18	0.61	0.94	2.55
194	23.40	15.53	12.48	3.73	1.98	2.90	12.29
205	1.71	1.06	0.97	0.43	0.32	0.46	0.86
206	79.00	90.27	37.00	6.80	3.28	5.34	18.60
209	38.61	52.91	19.29	3.19	1.51	2.62	7.91

Field ID	4 CORE WHOLE FISH	5 CORE Whole transformed	2CC CC1F	2CC CC2F	2CC CC3F	2CC CC4F	2CC CC5F
		5 CORE Whole transformed					
T PCBs (ng/g wet weight)	**1815.17**	**1582.18**	**1186.27**	**796.32**	**505.07**	**739.01**	**1030.01**
Lipid Normalized (ng/g lipid)	**20213**	**15681**	**19102**	**11731**	**9422**	**10754**	**54100**
Organic Carbon Normalized for Sediment (ng/g OC)							
Recovery							
14	404%	447%	295%	238%	158%	224%	138%
65							
166	96%	126%	84%	68%	57%	75%	94%
Distribution of Homologue Groups (in ng/g							
mono	15	4	12	11	6	4	4
di	32	24	25	27	16	19	14
tri	36	39	38	48	21	27	22
tetra	180	133	112	119	63	93	93
penta	426	324	230	206	133	220	189
hexa	453	414	333	207	150	207	327
hepta	268	205	179	85	55	83	189
octa	122	131	74	21	12	17	54
nona	86	102	42	8	4	6	21
deca	39	53	19	3	2	3	8
total	1657	1430	1065	735	461	680	921
Percent Homologue Distribution (with mor							
mono	0.01	0%	1%	2%	1%	1%	0%
di	0.02	2%	2%	4%	4%	3%	1%
tri	0.02	3%	4%	7%	5%	4%	2%
tetra	0.11	9%	11%	16%	14%	14%	10%
penta	0.26	23%	22%	28%	29%	32%	21%
hexa	0.27	29%	31%	28%	32%	30%	36%
hepta	0.16	14%	17%	12%	12%	12%	20%
octa	0.07	9%	7%	3%	3%	3%	6%
nona	0.05	7%	4%	1%	1%	1%	2%
deca	0.02	4%	2%	0%	0%	0%	1%
Percent Homologue Distribution (w/o mon							
di	2%	2%	2%	4%	4%	3%	1%
tri	2%	3%	4%	7%	5%	4%	2%
tetra	11%	9%	11%	16%	14%	14%	10%
penta	26%	23%	22%	28%	29%	32%	21%
hexa	28%	29%	32%	29%	33%	31%	36%
hepta	16%	14%	17%	12%	12%	12%	21%
octa	7%	9%	7%	3%	3%	3%	6%
nona	5%	7%	4%	1%	1%	1%	2%
deca	2%	4%	2%	0%	0%	0%	1%

Table 13. Summary of All Data (bl

Field ID	2CC CC6F	2CC CC1-6F	4CC CC1F	4CC CC2F	4CC CC3F	4CC CC4F	4CC CC5F	4CC CC1-5F
Collected	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002
Matrix	Fish	Fish	Fish	Fish	Fish	Fish	Fish	Fish
Species	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish
Zone	2	2	4	4	4	4	4	4
Description	Individual Fillet	Composite fillet	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Composite fillet
Replicate analysis?								
Analyzed by	CBL	CBL	CBL	CBL	CBL	CBL	CBL	CBL
Fish Mass (g)	622		420	401	337	394	376	
Fish Length (mm)	419		385	375	338	326	365	
Fish Sex	M		M	M	M	F	F	
fish Age (yrs)	7		7	8	11	10	9	
Fish/Invert. Lipid Content (%)	3.7%	3.4%	2.8%	1.8%	5.4%	2.5%	2.9%	3.1%
Sediment % Solid								
Sediment % Water								
Sediment % Carbon								
Concentrations (ng/g wet biota or ng/g dry se								
1	0.42	0.20	0.66	0.46	0.10	0.50	0.20	0.19
3	1.33	3.03	0.50	1.89	1.70	3.08	2.64	5.19
4,10	1.52	2.35	0.85	0.29	0.39	0.59	0.49	0.76
7,9	0.20	0.28	0.21	0.11	0.16	0.09	0.08	0.16
6	0.12	0.18	0.14	0.06	0.15	0.01		0.08
8,5	9.10	15.97	9.12	7.69	13.04	7.94	10.07	14.04
19	0.38	0.39	0.37	0.21	0.44	0.17	0.19	0.30
12,13	0.20	0.35	0.25	0.06	0.17	0.17	0.14	0.22
18	4.99	7.03	4.74	3.02	3.31	2.57	2.23	4.42
17	2.37	3.53	2.48	1.10	2.24	1.21	1.30	2.40
24	0.20	0.21	0.23	0.99	0.19	0.09	0.16	0.20
16,32	3.21	4.16	3.51	2.90	3.70	1.27	1.97	2.92
29	0.20	0.29	0.19	0.08	0.12	0.16	0.12	0.24
26	0.23	0.55	0.28	0.13	0.22		0.27	0.37
25						0.56		
31, 28	4.01	7.80	3.82	7.20	3.96	2.81	3.74	4.44
33,21,53	3.98	6.30	4.73	2.38	3.72	2.31	2.45	4.51
51	1.23	1.65	1.41	1.98	1.72	0.45	1.12	1.56
22	0.56	1.30	0.73	0.52	1.00	0.35	0.52	0.70
45	3.77	5.32	3.46	3.08	3.40	2.43	3.42	4.57
46	1.71	3.57	1.52	3.88	2.87	1.84	2.23	3.36
52	4.62	8.37	8.01	8.01	5.83	3.81	5.76	9.25
49								
47,48	11.43	19.64	11.91	0.99	4.62	11.34	12.04	17.32
44	6.18	7.82	6.95	8.14	5.93	1.87	6.23	7.61
37,42	5.32	7.72	5.89	6.55	3.60	2.54	5.72	5.95
41,64,71	8.32	13.01	10.22	10.29	8.64	6.62	8.70	12.24
40	1.03	1.71	1.27	1.53	1.49	0.86	1.14	1.66
100	1.93	3.21	1.74	2.88	1.42	2.10	2.10	3.16
63	0.84	1.65	0.82	1.87	0.77	1.18	1.21	1.70
74	5.28	9.06	5.14	8.16	3.91	4.98	5.84	8.15
70,76	2.03	3.23	1.70	1.13	1.28	1.00	1.56	1.95

Field ID	2CC CC6F	2CC CC1-6F	4CC CC1F	4CC CC2F	4CC CC3F	4CC CC4F	4CC CC5F	4CC CC1-5F
66,95	19.81	35.19	24.65	26.64	17.42	13.18	23.77	31.36
91	2.76	4.66	3.31	4.08	2.33	2.40	3.63	4.83
56,60/92,84	14.05	23.81	10.23	14.35	8.90	9.22	12.23	16.50
89	31.50	41.03	26.51	9.79	9.06	5.86	33.05	31.77
101	11.03	19.12	14.17	12.60	8.93	12.20	13.65	20.60
99	7.15	14.30	8.72	13.33	5.22	11.53	12.39	16.48
119	2.74	5.44	2.41	4.53	2.45	2.15	2.94	3.87
83	2.19	3.75	2.45	2.40	1.21	2.04	3.34	4.06
97	22.77	22.39	25.94	19.40	11.37	18.56	22.80	35.26
81,87	1.06	1.63	1.27	1.62	0.89	0.79	1.38	1.86
85	4.14	7.88	4.09	6.33	2.79	4.99	5.85	7.59
136	0.68	0.97	0.83	0.49	0.71	0.19	0.62	0.91
77,110	19.70	27.01	24.28	30.32	15.87	15.10	29.98	36.54
82, 151	1.76	2.92	1.70	2.28	0.86	1.71	1.98	2.97
135,144	3.76	6.39	4.09	4.82	2.50	3.89	4.98	6.99
107	1.44	2.72	1.65	2.67	1.00	2.09	2.26	3.19
123,149	17.85	24.84	18.78	21.42	11.83	12.44	21.14	29.19
118	15.38	29.51	16.00	24.40	9.49	19.54	22.95	29.70
134	2.13	4.40	1.45	0.98	0.65	1.54	1.81	2.67
146	6.70	13.41	7.72	8.98	4.37	12.36	11.25	16.63
132,105,153	67.45	107.35	61.64	61.89	34.51	78.45	62.61	118.75
141	6.68	16.43	8.71	11.46	5.96	16.02	12.23	22.25
137,130,176	2.56	3.41	2.76	2.41	1.60	1.95	3.48	4.64
163,138	41.91	76.23	42.73	45.74	24.16	61.30	60.22	88.43
158	1.50	2.88	1.48	1.43	1.07	1.92	1.76	2.67
129,178	4.45	8.50	5.14	4.79	2.75	7.77	6.65	10.73
187,182	16.83	30.74	16.47	19.56	9.86	28.56	23.90	37.21
183	9.61	19.21	8.92	10.24	5.14	15.23	13.01	20.69
128	3.36	7.75	4.04	4.38	2.21	5.79	5.41	8.03
185	1.92	3.34	1.95	1.80	1.15	2.71	2.46	4.09
174	6.72	12.91	8.63	8.95	5.46	12.14	11.85	19.09
177	7.58	7.57	7.53	7.10	4.11	2.27	10.04	12.14
202,171,156	6.88	14.06	7.27	8.07	4.22	11.58	10.88	16.22
157,200	2.65	5.01	3.54	2.98	2.04	5.81	5.09	7.48
172,197	2.71	6.22	3.77	4.62	2.26	6.82	5.76	9.38
180	29.81	60.03	32.77	38.12	18.40	59.51	48.39	80.70
193	14.12	26.13	9.98	12.43	8.18	11.20	11.97	18.11
191	0.82	1.71	0.65	0.93	0.40	1.15	0.99	1.60
199		3.11	2.84		2.17	3.25	3.25	4.61
170,190	11.47	26.36	14.47	16.72	6.42	23.50	19.92	34.73
198	0.63	1.42	1.03	1.00	0.63	1.73	1.69	2.29
201	5.97	13.74	10.87	11.54	6.54	19.80	18.26	25.90
203,196	13.28	27.79	16.49	17.82	9.57	29.86	26.82	39.59
189	0.32	0.67	0.39	0.44	0.25	0.70	0.66	1.00
208,195	5.07	12.31	13.03	10.55	1.47	21.85	21.43	28.16
207	0.83	2.24	2.40	1.66	1.48	4.23	4.00	4.80
194	3.54	8.12	5.80	5.43	3.12	10.17	8.22	13.69
205	0.40	0.80	0.49	0.37	0.23	0.68	0.61	0.96
206	6.40	16.65	22.09	16.97	12.23	37.88	37.22	47.28
209	3.33	8.25	11.79	7.77	6.68	20.43	20.71	24.05

Field ID	2CC CC6F	2CC CC1-6F	4CC CC1F	4CC CC2F	4CC CC3F	4CC CC4F	4CC CC5F	4CC CC1-5F
T PCBs (ng/g wet weight)	**554.05**	**962.20**	**622.79**	**636.18**	**382.23**	**720.92**	**775.16**	**1131.87**
Lipid Normalized (ng/g lipid)	**15003**	**28384**	**22286**	**35660**	**7112**	**29132**	**26680**	**36678**
Organic Carbon Normalized for Sediment (ng/g OC)								
Recovery								
14	143%	243%	145%	130%	629%	109%	154%	180%
65								
166	65%	97%	67%	92%	71%	66%	79%	94%
Distribution of Homologue Groups (in ng/g								
mono	2	3	1	2	2	4	3	5
di	11	19	11	8	14	9	11	15
tri	21	32	22	21	19	12	15	21
tetra	68	112	75	74	57	50	71	99
penta	149	224	157	162	89	116	183	235
hexa	156	272	158	167	91	210	193	315
hepta	74	142	78	89	45	117	110	177
octa	17	42	36	30	15	60	56	79
nona	7	19	24	19	14	42	41	52
deca	3	8	12	8	7	20	21	24
total	508	873	574	580	353	640	703	1022
Percent Homologue Distribution (with mor								
mono	0%	0%	0%	0%	1%	1%	0%	1%
di	2%	2%	2%	1%	4%	1%	2%	1%
tri	4%	4%	4%	4%	5%	2%	2%	2%
tetra	13%	13%	13%	13%	16%	8%	10%	10%
penta	29%	26%	27%	28%	25%	18%	26%	23%
hexa	31%	31%	27%	29%	26%	33%	27%	31%
hepta	14%	16%	14%	15%	13%	18%	16%	17%
octa	3%	5%	6%	5%	4%	9%	8%	8%
nona	1%	2%	4%	3%	4%	7%	6%	5%
deca	1%	1%	2%	1%	2%	3%	3%	2%
Percent Homologue Distribution (w/o mon								
di	2%	2%	2%	1%	4%	1%	2%	2%
tri	4%	4%	4%	4%	5%	2%	2%	2%
tetra	13%	13%	13%	13%	16%	8%	10%	10%
penta	29%	26%	27%	28%	25%	18%	26%	23%
hexa	31%	31%	28%	29%	26%	33%	28%	31%
hepta	15%	16%	14%	15%	13%	18%	16%	17%
octa	3%	5%	6%	5%	4%	9%	8%	8%
nona	1%	2%	4%	3%	4%	7%	6%	5%
deca	1%	1%	2%	1%	2%	3%	3%	2%

Table 13. Summary of All Data (bl

Field ID	5SED CC1F	5SED CC2F	5SED CC3F	5SED CC4F	5SED CC5F	5SED CC1-5F	3 CORE SF	4 CORE SF
Collected	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Fall 2001	Fall 2001
Matrix	Fish	Fish	Fish	Fish	Fish	Fish	Fish	Fish
Species	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Channel Catfish	Small Fish	Small Fish
Zone	5	5	5	5	5	5	3	4
Description	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Composite fillet	Composite	Composite
Replicate analysis?								
Analyzed by	CBL	CBL	CBL	CBL	CBL	CBL	CBL	CBL
Fish Mass (g)	472	357	589	174	513			
Fish Length (mm)	385	360	387	275	390			
Fish Sex	F	M	F	M	M			
fish Age (yrs)	6	6	7	4	8			
Fish/Invert. Lipid Content (%)	2.5%	2.8%	5.1%	3.3%	3.8%	3.5%	2.6%	2.9%
Sediment % Solid								
Sediment % Water								
Sediment % Carbon								
Concentrations (ng/g wet biota or ng/g dry se								
1	0.74	0.14	0.12	0.77	0.16	0.19		
3	2.31	0.93	1.32	5.68	0.66	0.44	4.10	4.16
4,10	0.94	0.35	0.53	0.40	0.59	0.27		
7,9	0.16	0.05	0.05	0.02	0.10	0.05	0.26	0.19
6	0.08	0.01	0.01	0.06	0.09	0.02	0.31	0.19
8,5	8.01	3.50	5.29	2.37	4.06	3.38	12.12	8.52
19	0.24	0.13	0.18	0.10	0.23	0.11	0.50	0.39
12,13	0.17	0.06	0.06	0.06	0.10	0.04	0.34	0.22
18	4.42	1.48	1.53	0.45	1.97	1.18	5.13	3.73
17	2.05	0.76	0.96	0.34	1.05	0.65	2.45	1.73
24	0.18	0.06	0.06	0.03	0.09	0.05	0.18	0.15
16,32	2.33	0.73	0.91	0.22	1.06	0.58	3.62	2.70
29	0.19	0.07	0.07	0.05	0.09	0.05		
26	0.11		0.21	0.11	0.09	0.09	0.27	0.43
25							0.29	0.18
31, 28	3.04	1.11	1.82	0.69	1.29	1.29	3.55	2.38
33,21,53	3.30	1.21	1.50	0.41	1.84	0.97	5.35	4.22
51	1.14	0.30	0.50	0.07	0.35	0.30	1.48	0.75
22	0.49	0.19		0.47	0.26		0.98	0.75
45	3.08	1.27	1.84	0.75	1.48	1.18	3.70	2.92
46	1.38	0.67	0.91	0.44	0.74	0.58	2.04	1.29
52	6.29	2.64	3.81	0.84	3.20	2.54	6.72	6.71
49							6.38	4.59
47,48	6.78	2.76	6.73	0.95	5.28	4.25	10.09	8.30
44	4.92	1.87	3.27	0.37	2.39	1.83	5.46	4.63
37,42	4.40	1.61	2.72	0.33	1.90	1.61	4.31	3.49
41,64,71	8.86	3.28	4.84	0.88	3.99	2.94	9.11	6.92
40	0.95	0.40	0.77	0.24	0.64	0.47	1.65	1.63
100	1.73	0.80	1.17	0.42	0.95	0.70	2.16	1.49
63	0.86	0.38	0.84	0.26	0.68	0.44	1.12	0.48
74	5.04	1.98	3.10	0.77	2.58	1.91	5.05	3.39
70,76	1.08	0.29	1.01	0.24	0.98	0.55	2.76	4.82

Field ID	5SED CC1F	5SED CC2F	5SED CC3F	5SED CC4F	5SED CC5F	5SED CC1-5F	3 CORE SF	4 CORE SF
66,95	19.52	7.75	12.53	2.80	10.53	8.20	24.16	22.28
91	3.19	1.06	2.30	0.53	1.67	1.36	2.98	2.47
56,60/92,84	10.08	4.15	6.92	1.87	5.50	3.94	12.04	8.00
89	18.21	5.71	13.28	2.98	8.08	6.88	23.04	25.63
101	12.74	5.87	8.75	2.40	6.78	5.59	12.03	11.09
99	9.27	4.85	6.77	1.98	5.24	4.30	8.08	6.33
119	2.07	1.01	1.63	0.54	1.24	0.90	1.31	0.86
83	2.24	0.97	1.79	0.38	1.26	0.91	2.54	2.42
97	26.07	9.35	14.07	2.98	11.34	8.88	19.08	19.06
81,87	1.16	0.53	0.73	0.11	0.49	0.41	1.44	1.04
85	4.11	1.80	2.70	0.71	2.01	1.86	32.11	3.07
136	0.47	0.26	0.37	0.13	0.47	0.26	0.90	1.44
77,110	22.60	9.71	16.19	1.34	10.84	8.85	23.31	19.07
82, 151	1.77	0.75	1.16	0.34	0.89	0.73	1.84	1.36
135,144	3.84	1.69	2.69	0.94	2.06	1.67	3.82	3.60
107	1.84	0.91	1.44	0.26	1.00	0.79	2.11	1.45
123,149	19.39	8.93	13.32	3.58	9.85	8.38	17.61	16.10
118	14.61	6.69	9.45	2.58	7.40	6.07	17.67	11.46
134	1.94	0.92	1.45	0.35	1.22	0.75	0.88	0.90
146	9.50	5.11	7.27	2.04	5.36	4.51	6.67	5.61
132,105,153	67.21	33.54	44.75	13.34	35.17	29.75	59.42	44.62
141	9.96	4.19	6.74	1.85	4.77	4.06	9.44	7.16
137,130,176	2.76	1.38	2.09	0.54	1.42	1.21	2.92	2.20
163,138	45.31	22.73	32.21	8.13	22.84	19.79	44.09	32.68
158	1.61	0.78	1.01	0.38	0.98	0.69	1.76	1.29
129,178	5.91	2.78	4.33	1.21	2.92	2.55	4.41	3.87
187,182	21.62	11.43	16.61	5.07	11.89	10.35	16.98	13.00
183	9.80	5.23	7.02	2.24	5.60	4.60	9.44	7.35
128	3.72	2.01	2.87	0.82	1.93	1.64	3.97	3.01
185	1.86	0.78	1.34	0.45	0.91	0.80	1.74	1.56
174	9.63	4.32	6.81	2.33	4.78	4.15	8.11	7.18
177	7.66	3.48	6.11	0.75	3.69	3.10	7.45	5.42
202,171,156	8.11	4.17	6.65	2.18	4.77	3.85	7.11	6.05
157,200	4.57	2.32	3.65	1.17	2.29	1.99	2.37	2.74
172,197	4.30	2.28	3.77	1.11	2.54	2.05	3.36	2.95
180	35.99	16.99	26.80	7.80	18.43	15.80	32.87	25.04
193	9.22	3.70	5.43	1.43	4.86	3.49	6.46	5.09
191	0.69	0.33	0.46	0.14	0.41	0.29	0.86	0.56
199	3.49	2.32	3.47	2.47		2.10		4.59
170,190	13.88	6.72	11.17	3.22	7.26	6.28	14.93	11.26
198	1.20	0.60	1.14	0.40	0.66	0.60	0.64	0.84
201	13.41	7.16	12.42	4.29	7.70	6.88	7.25	8.71
203,196	18.69	10.09	16.98	6.09	11.36	9.62	13.83	14.51
189	0.48	0.23	0.35	0.15	0.22	0.18	0.41	0.33
208,195	15.63	8.34	16.27	6.95	9.41	8.87	3.12	10.14
207	3.16	1.94	3.49	1.62	2.14	1.95	0.76	2.13
194	5.69	2.68	5.44	1.38	2.97	2.63	4.53	4.48
205	0.41	0.19	0.38	0.24	0.21	0.19	0.31	0.29
206	25.94	13.08	27.22	11.90	15.29	14.99	5.23	15.82
209	13.75	7.29	15.18	7.94	8.60	8.91	2.14	8.00

Field ID	5SED CC1F	5SED CC2F	5SED CC3F	5SED CC4F	5SED CC5F	5SED CC1-5F	3 CORE SF	4 CORE SF
T PCBs (ng/g wet weight)	**625.57**	**290.10**	**463.10**	**145.20**	**328.13**	**277.26**	**591.02**	**497.40**
Lipid Normalized (ng/g lipid)	**25461**	**10488**	**9091**	**4346**	**8602**	**8025**	**22847**	**17222**
Organic Carbon Normalized for Sediment (ng/g OC)								
Recovery								
14	137%	98%	150%	123%	120%	101%	161%	173%
65								
166	73%	50%	78%	48%	68%	51%	93%	82%
Distribution of Homologue Groups (in ng/g								
mono	3	1	1	6	1	1	4	4
di	9	4	6	3	5	4	13	9
tri	17	6	8	3	8	5	22	16
tetra	59	23	39	8	32	24	78	65
penta	143	59	96	21	71	57	172	127
hexa	170	84	119	34	89	75	154	121
hepta	82	38	61	17	42	35	74	58
octa	42	22	41	16	22	22	17	30
nona	29	15	31	14	17	17	6	18
deca	14	7	15	8	9	9	2	8
total	569	261	418	130	296	250	544	457
Percent Homologue Distribution (with mor								
mono	1%	0%	0%	5%	0%	0%	0.01	0.01
di	2%	2%	1%	2%	2%	2%	0.02	0.02
tri	3%	2%	2%	2%	3%	2%	0.04	0.04
tetra	10%	9%	9%	7%	11%	10%	0.14	0.14
penta	25%	23%	23%	16%	24%	23%	0.32	0.28
hexa	30%	32%	29%	26%	30%	30%	0.28	0.26
hepta	14%	15%	15%	13%	14%	14%	0.14	0.13
octa	7%	9%	10%	13%	7%	9%	0.03	0.07
nona	5%	6%	7%	10%	6%	7%	0.01	0.04
deca	2%	3%	4%	6%	3%	4%	0.00	0.02
Percent Homologue Distribution (w/o mon								
di	2%	2%	1%	2%	2%	2%	2%	2%
tri	3%	2%	2%	2%	3%	2%	4%	4%
tetra	10%	9%	9%	7%	11%	10%	15%	14%
penta	25%	23%	23%	17%	24%	23%	32%	28%
hexa	30%	32%	29%	27%	30%	30%	29%	27%
hepta	14%	15%	15%	14%	14%	14%	14%	13%
octa	7%	9%	10%	13%	7%	9%	3%	7%
nona	5%	6%	7%	11%	6%	7%	1%	4%
deca	2%	3%	4%	6%	3%	4%	0%	2%

Table 13. Summary of All Data (bl

Field ID	5 CORE SF	4CCSFA	5 SD2 SF	2 CORE INV	3 CORE INV	4 CORE INV	5 CORE INV	5 CORE MACRO INV
Collected	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001
Matrix	Fish	Fish	Fish	Invertebrate	Invertebrate	Invertebrate	Invertebrate	Invertebrate
Species	Small Fish	Small Fish	Small Fish	Amphipods	Amphipods	Amphipods	Amphipods	Grass shrimp
Zone	5	4	5	2	3	4	5	5
Description	Composite	Composite	Composite					
Replicate analysis?								
Analyzed by	CBL	CBL	CBL	CBL	CBL	CBL	CBL	CBL
Fish Mass (g)								
Fish Length (mm)								
Fish Sex								
fish Age (yrs)								
Fish/Invert. Lipid Content (%)	3.5%	4.1%	3.5%	0.6%	0.4%	0.8%	0.6%	1.1%
Sediment % Solid								
Sediment % Water								
Sediment % Carbon								
Concentrations (ng/g wet biota or ng/g dry se								
1								
3	1.15	4.04	1.14					
4,10								
7,9	0.07	0.17	0.07					
6	0.07	0.25	0.10		0.12	0.05		
8,5	1.99	10.88	1.88			4.16		
19		0.31	ND					
12,13	0.07	0.23	0.07		0.08	0.08		0.02
18	0.72	3.72	0.85	0.45	0.45	1.38	0.12	0.11
17	0.40	1.96	0.51	0.33	0.42	0.71		0.12
24	0.02	0.15	0.06	0.11	0.21	0.11	0.18	0.03
16,32	0.90	3.05	0.91			1.66		
29								
26	0.04	0.31	0.05			0.15		
25	0.02	0.10	0.08	0.12	0.20	0.17	0.37	
31, 28	0.21	2.39	0.48	1.07	1.78	1.52		0.36
33,21,53	0.97	4.11	1.04	1.10	1.74	2.36	0.92	0.36
51	0.09	1.04	0.13	0.19	0.32	0.43		0.04
22	0.26	0.50	0.22					
45	0.56	2.96	0.51	0.36	0.42	0.96	0.27	0.10
46	0.21	1.32	0.33					
52	0.79	6.50	1.05	0.63	0.70	2.01	0.24	0.14
49	0.63	4.09	1.76					
47,48	2.41	5.16	2.35	1.51	2.75	1.83	1.87	0.92
44	0.52	4.86	0.80	0.52	0.68	1.41	0.36	0.13
37,42	0.59	3.34	0.76	0.35	0.78	0.61	0.46	0.09
41,64,71	1.51	8.20	1.86	1.74	3.17	3.69		0.54
40	0.32	1.51	0.28	0.19	0.22	0.47		0.05
100	0.25	1.58	0.32	0.31	0.32	0.53		0.08
63	0.20	0.81	0.21	0.24	0.29	0.13		0.05
74	0.95	3.51	0.84	0.65	1.55	1.20	0.50	0.36
70,76	0.25	1.46	0.51	0.74		2.07		0.16

Field ID	5 CORE SF	4CCSFA	5 SD2 SF	2 CORE INV	3 CORE INV	4 CORE INV	5 CORE INV	5 CORE MACRO INV
66,95	3.06	19.53	4.36	2.61	3.65	10.95	1.58	0.74
91	0.34	2.53	0.61	0.27	0.35	0.93	0.21	0.06
56,60/92,84	1.01	7.12	1.86	1.98	3.83	5.49	1.85	0.76
89	1.67	4.31	2.16	1.26	1.57	4.66	0.81	0.26
101	1.72	10.69	2.43	1.09	1.87	3.90	0.79	0.40
99	1.60	7.07	1.84	0.43	0.68	1.96	0.28	0.82
119	0.23	0.98	0.25			0.56		
83	0.29	3.07	0.26	0.58	0.28	0.49	0.08	0.03
97	4.45	7.29	4.60		3.95	5.97		1.28
81,87	0.33	1.01	0.26					
85	0.58	4.08	0.72			0.98		0.21
136	0.26	0.80	0.29			1.83		0.21
77,110	2.53	19.91	4.03	1.55	1.65	7.13	0.92	0.52
82, 151	0.15	1.43	0.33	0.15	0.29	0.42	0.09	0.04
135,144	0.49	3.39	0.70	0.37	0.56	1.47	0.33	0.09
107	0.67	1.65	0.41	0.16	0.64	0.62	0.26	0.17
123,149	3.75	14.18	3.92	1.53	2.23	6.21	1.42	0.58
118	1.77	12.98	2.35	1.23	1.75	3.41	0.48	1.02
134	0.68	1.09	0.28	0.24	0.38	0.27	0.32	0.08
146	3.79	6.02	2.04		4.66	3.06		1.21
132,105,153	17.48	32.53	12.50	6.79	20.04	17.80	7.79	5.73
141	1.31	7.53	1.57	0.41	0.82	1.54	0.21	0.22
137,130,176	1.00	2.33	0.71					
163,138	12.81	35.84	8.10	2.27	9.21	10.41	1.58	2.82
158	1.11	1.09	0.63					
129,178	2.68	3.19	0.96	0.19	0.78	1.17	0.23	0.26
187,182	16.60	13.97	4.76	1.51	7.03	5.18	2.18	2.83
183	3.57	7.70	2.01	0.47	2.09	1.29		0.79
128	1.09	3.46	0.62	0.10	0.20	0.79		0.17
185	0.30	1.75	0.37	0.18	0.18	0.45	0.18	0.05
174	2.42	8.05	1.90	0.50	0.76	1.88	0.40	0.29
177	3.18	5.85	1.20	0.49	2.23	1.97	0.36	0.52
202,171,156	4.37	4.40	1.89	0.43	1.59	1.87	0.77	0.70
157,200	2.60	4.22	1.10	0.08	0.40	0.73	0.30	0.21
172,197	2.16	3.93	0.86		1.28	1.07	0.91	0.41
180	12.93	31.36	5.79	1.22	7.13	5.21	1.43	2.17
193	1.11	4.58	0.90	0.61	1.34	1.22		0.26
191	0.28	0.57	0.15					
199		4.66						
170,190	5.76	11.68	2.41	0.45	3.09	2.25	0.63	0.62
198	0.84	1.49	0.31	ND	0.16	0.24	0.20	0.06
201	9.28	13.90	3.36	0.28	2.17	2.10	1.85	1.15
203,196	11.55	21.13	5.02	0.69	2.85	3.31	2.35	1.40
189	0.19	0.47	0.10					
208,195	13.21	20.32	4.46	0.23	1.92	2.70	3.85	1.09
207	2.83	4.14	1.19		0.31	0.56	0.95	0.25
194	2.85	7.23	1.02		0.88	0.72	0.41	0.19
205	0.22	0.54	0.09			0.12		
206	19.63	35.04	7.66	0.16	1.90	3.42	6.09	1.13
209	10.52	17.76	4.25	0.00	1.52	2.39	4.88	1.02

Field ID	5 CORE SF	4CCSFA	5 SD2 SF	2 CORE INV	3 CORE INV	4 CORE INV	5 CORE INV	5 CORE MACRO INV
T PCBs (ng/g wet weight)	**209.42**	**518.32**	**128.75**	**41.12**	**114.41**	**158.42**	**52.28**	**36.48**
Lipid Normalized (ng/g lipid)	**5990**	**12630**	**3683**	**7180**	**26001**	**19558**	**8570**	**3303**
Organic Carbon Normalized for Sediment (ng/g OC)								
Recovery								
14	92%	178%	90%	107%	98%	101%	83%	73%
65								
166	65%	80%	68%	92%	84%	91%	73%	64%
Distribution of Homologue Groups (in ng/g								
mono	1	4	1	0	0	0	0	0
di	2	12	2	0	0	4	0	0
tri	3	16	4	3	4	7	1	1
tetra	11	58	15	10	15	24	6	3
penta	21	96	25	10	18	42	6	6
hexa	50	110	33	11	39	43	12	12
hepta	28	67	13	3	16	14	4	4
octa	28	50	10	1	5	6	6	3
nona	22	39	9	0	2	4	7	1
deca	11	18	4	0	2	2	5	1
total	177	470	116	38	102	147	47	31
Percent Homologue Distribution (with mor								
mono	0.01	1%	1%	0.00	0.00	0.00	0.00	0.00
di	0.01	2%	2%	0.00	0.00	0.03	0.00	0.00
tri	0.02	3%	4%	0.07	0.04	0.05	0.03	0.03
tetra	0.06	12%	13%	0.26	0.15	0.16	0.12	0.11
penta	0.12	20%	22%	0.26	0.18	0.28	0.14	0.19
hexa	0.28	23%	28%	0.30	0.39	0.30	0.25	0.38
hepta	0.16	14%	12%	0.09	0.16	0.09	0.08	0.14
octa	0.16	11%	8%	0.01	0.05	0.04	0.14	0.08
nona	0.13	8%	8%	0.00	0.02	0.03	0.15	0.04
deca	0.06	4%	4%	0.0000	0.01	0.02	0.10	0.03
Percent Homologue Distribution (w/o mon								
di	1%	2%	2%	0%	0%	3%	0%	0%
tri	2%	3%	4%	7%	4%	5%	3%	3%
tetra	6%	13%	13%	26%	15%	16%	12%	11%
penta	12%	21%	22%	26%	18%	28%	14%	19%
hexa	28%	24%	28%	30%	39%	30%	25%	38%
hepta	16%	14%	12%	9%	16%	9%	8%	14%
octa	16%	11%	9%	1%	5%	4%	14%	8%
nona	13%	8%	8%	0%	2%	3%	15%	4%
deca	6%	4%	4%	0%	1%	2%	10%	3%

Table 13. Summary of All Data (bl

Field ID	2CC INV	2CC MACRO INV	4CC INV	5SD2 INV	2 CORE SF	3 CORE SF	4 CORE SF	5 CORE SF
Collected	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Spring 2002	Spring 2002	Spring 2002	Spring 2002
Matrix	Invertebrate	Invertebrate	Invertebrate	Invertebrate	Fish	Fish	Fish	Fish
Species	Amphipods	Blue crab	Amphipods	Grass Shrimp	Small Fish	Small Fish	Small Fish	Small Fish
Zone	2	2	4	5	2	3	4	5
Description								
Replicate analysis?								
Analyzed by	CBL	CBL	CBL	CBL	CBL	CBL	CBL	CBL
Fish Mass (g)								
Fish Length (mm)								
Fish Sex								
fish Age (yrs)								
Fish/Invert. Lipid Content (%)	0.6%	2.1%	0.6%	0.8%	2.7%	2.0%	3.0%	2.1%
Sediment % Solid								
Sediment % Water								
Sediment % Carbon								
Concentrations (ng/g wet biota or ng/g dry se								
1					0.10	1.86	0.16	0.06
3		0.54	1.04		0.61	1.85	1.46	0.89
4,10					0.85	0.83	0.55	0.34
7,9	0.22	0.07			0.07	0.22	0.09	0.07
6	0.04	0.04		0.03	0.04	0.34	0.06	0.04
8,5	1.74	1.77			2.54	8.21	9.05	2.28
19					0.10	0.35	0.17	0.11
12,13	0.03	0.07			0.06	0.28	0.18	0.07
18	0.43	1.07	0.45	0.16	1.23	6.12	3.11	1.11
17	0.20	0.62	0.23		0.47	2.22	1.50	0.65
24	0.04	0.02	0.06	0.06	0.04	0.20	0.14	0.05
16,32	0.51	0.34	0.66		0.61	2.89	2.00	0.71
29					0.05	0.26	0.14	0.05
26		0.04			0.08	0.38	0.68	0.14
25	0.04	0.05	0.04				0.65	
31, 28	0.57	1.44	0.39	0.44	1.10	2.88	4.38	0.62
33,21,53	0.74	1.03	0.77	0.49	1.12	5.38	4.22	1.13
51	0.14	0.07	0.14		0.20	1.50	1.48	0.27
22	0.51	0.20			0.33	0.56	0.88	0.23
45	0.36	0.47	0.36	0.16	0.79	3.99	3.72	0.88
46	0.31	0.23			0.28	1.82	2.00	0.35
52	0.77	0.07	0.86	0.55	1.65	6.25	9.68	1.82
49						ND		
47,48	1.13	1.78	1.34	0.82	2.33	13.59	10.65	2.92
44	0.64	0.21	0.58	0.34	1.00	4.76	6.75	1.25
37,42	0.51	0.28	0.36	0.26	0.86	4.11	4.76	1.02
41,64,71	1.27	0.92	1.23	0.89	1.81	8.23	8.00	1.80
40	0.21	0.12	0.19	0.07	0.24	1.68	2.11	0.45
100	0.15	0.53	0.24	0.09	0.45	2.32	2.55	0.45
63	0.06	0.04	0.09	0.04	0.19	0.91	0.98	0.33
74	0.49	1.76	0.37	0.37	1.23	5.36	5.06	1.08
70,76	0.74	0.34	0.54		1.33	5.23	9.29	0.84

Field ID	2CC INV	2CC MACRO INV	4CC INV	5SD2 INV	2 CORE SF	3 CORE SF	4 CORE SF	5 CORE SF
66,95	3.15	3.33	3.58	1.22	5.64	24.39	33.36	5.81
91	0.31	0.06	0.33	0.05	0.68	3.22	4.19	0.95
56,60/92,84	1.13	2.56	2.36	1.26	2.80	10.47	13.27	2.67
89	1.78	0.63	1.65	0.28	2.96	34.12	49.87	5.49
101	1.14	0.71	1.30	0.47	3.30	14.28	18.69	3.76
99	0.57	2.97	0.61	0.41	1.77	9.11	10.76	2.93
119	0.23	0.29			0.69	2.15	2.55	0.58
83	0.18	0.20	0.17	0.07	0.36	2.30	3.57	0.59
97	1.97	2.32	1.82	1.38	4.90	19.89	27.41	5.86
81,87					0.31	1.34	1.72	0.27
85	0.33	1.19	0.29		0.99	5.17	5.91	1.02
136	1.46	1.58	1.00		4.53	14.53	24.00	4.71
77,110	2.07	1.02	2.10	0.38	5.03	23.37	32.86	5.73
82, 151	0.21	0.07	0.21	0.11	0.36	2.11	2.52	0.49
135,144	0.47	0.14	0.50	0.14	0.72	4.72	6.24	1.19
107	0.18	0.21	0.17	0.13	0.38	2.13	2.39	0.56
123,149	2.04	0.87	2.05	0.54	4.72	20.91	24.75	5.87
118	1.11	4.73	1.16	0.89	3.36	16.61	20.76	3.13
134	0.09	0.14	0.11	0.15	0.40	1.84	1.90	0.60
146	0.85	1.87	1.24	1.50	1.81	9.84	9.20	3.23
132,105,153	5.36	15.69	5.84	4.70	14.61	73.01	69.59	16.68
141	0.67	0.20	0.46	0.39	1.36	11.28	11.48	2.33
137,130,176					0.58	3.01	3.16	0.87
163,138	3.08	8.75	2.81	1.89	10.00	53.02	51.38	12.18
158					0.53	2.10	1.84	0.67
129,178	0.36	1.10	0.35	0.38	0.95	6.47	5.62	1.89
187,182	1.57	3.89	1.71	2.25	4.47	21.87	18.03	7.89
183	0.62	2.37	0.63	0.36	2.21	12.20	10.74	3.08
128	0.16	0.70	0.01		0.90	5.14	5.42	1.04
185	0.19	0.10	0.16	0.12	0.25	2.15	2.03	0.56
174	0.79	0.41	0.57	0.61	1.61	9.61	9.14	2.84
177	0.70	0.14	0.58	0.49	1.38	7.85	6.30	1.95
202,171,156	0.64	2.42	0.57	0.84	1.56	8.80	8.96	3.03
157,200	0.08	0.93	0.16	0.29	0.49	3.25	3.28	1.98
172,197	0.22	0.51	0.21	0.69	0.65	4.30	4.01	1.57
180	1.63	3.89	1.14	2.25	5.26	40.10	33.55	9.64
193	0.74	1.06	0.38	0.26	4.87	13.33	16.94	1.91
191		0.10			0.16	0.96	0.84	0.17
199							3.28	2.41
170,190	0.67	1.58	0.50	0.77	2.27	16.81	15.20	3.91
198	0.05	0.22	0.05	0.13	0.09	0.77	0.82	0.59
201	0.45	1.48	0.50	1.38	1.60	9.48	9.39	6.05
203,196	0.90	3.43	0.82	1.77	2.36	16.83	16.15	8.46
189	ND	0.05			0.09	0.44	0.40	0.12
208,195	0.28	3.30	0.59	1.99	0.90	6.67	8.83	8.69
207	0.06	0.82	0.13	0.39	0.17	1.14	1.68	2.24
194	0.21	0.47	0.14	0.43	0.81	5.71	5.02	1.88
205	0.03	0.03			0.06	0.35	0.32	0.16
206	0.27	3.71	0.67	2.97	0.83	8.78	14.16	15.38
209	0.17	2.92	0.46	1.81	0.37	3.98	6.96	9.08

Field ID	2CC INV	2CC MACRO INV	4CC INV	5SD2 INV	2 CORE SF	3 CORE SF	4 CORE SF	5 CORE SF
T PCBs (ng/g wet weight)	**51.06**	**99.25**	**50.04**	**40.94**	**128.83**	**666.49**	**736.88**	**206.70**
Lipid Normalized (ng/g lipid)	**8609**	**4644**	**8110**	**5118**	**4754**	**33492**	**24467**	**9682**
Organic Carbon Normalized for Sediment (ng/g OC)								
Recovery								
14	105%	119%	68%	77%	86%	142%	141%	118%
65								
166	92%	96%	66%	68%	52%	83%	80%	57%
Distribution of Homologue Groups (in ng/g								
mono	0	1	1	0	1	4	2	1
di	2	2	0	0	4	10	10	3
tri	3	4	2	1	5	21	18	5
tetra	9	10	9	5	16	76	88	17
penta	13	18	14	6	31	162	217	38
hexa	14	33	14	10	40	204	211	52
hepta	5	8	3	5	16	93	86	22
octa	1	6	1	4	4	25	29	21
nona	0	5	1	3	1	10	16	18
deca	0	3	0	2	0	4	7	9
total	47	89	46	36	118	608	683	185
Percent Homologue Distribution (with mor								
mono	0%	1%	2%	0%	0.01	0.01	0.00	0.01
di	4%	2%	0%	0%	0.03	0.02	0.01	0.02
tri	6%	5%	5%	3%	0.04	0.03	0.03	0.03
tetra	19%	11%	20%	13%	0.14	0.12	0.13	0.09
penta	28%	20%	29%	16%	0.27	0.27	0.32	0.21
hexa	30%	38%	30%	28%	0.34	0.34	0.31	0.28
hepta	10%	9%	7%	14%	0.14	0.15	0.13	0.12
octa	2%	7%	3%	11%	0.03	0.04	0.04	0.11
nona	1%	5%	2%	9%	0.01	0.02	0.02	0.10
deca	0%	3%	1%	5%	0.00	0.01	0.01	0.05
Percent Homologue Distribution (w/o mon								
di	4%	2%	0%	0%	3%	2%	1%	2%
tri	6%	5%	5%	3%	4%	3%	3%	3%
tetra	19%	11%	20%	13%	14%	12%	13%	9%
penta	28%	20%	30%	16%	27%	27%	32%	21%
hexa	30%	38%	31%	28%	34%	34%	31%	28%
hepta	10%	9%	8%	14%	14%	15%	13%	12%
octa	2%	7%	3%	11%	3%	4%	4%	11%
nona	1%	5%	2%	9%	1%	2%	2%	10%
deca	0%	3%	1%	5%	0%	1%	1%	5%

Table 13. Summary of All Data (bl

Field ID	2CCSFA	5 SED1 SF	2 CORE INV	3 CORE INV	3 CORE MACRO INV	4 CORE INV	4 CORE MACRO	5 CORE INV
Collected	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002
Matrix	Fish	Fish	Invertebrate	Invertebrate	Invertebrate	Invertebrate	Invertebrate	Invertebrate
Species	Small Fish	Small Fish	Amphipods	Amphipods	Crayfish	Amphipods	Crayfish	Amphipods
Zone	2	5	2	3	3	4	4	5
Description								
Replicate analysis?								
Analyzed by	CBL	CBL	CBL	CBL	CBL	CBL	CBL	CBL
Fish Mass (g)								
Fish Length (mm)								
Fish Sex								
fish Age (yrs)								
Fish/Invert. Lipid Content (%)	1.8%	2.0%	1.6%	1.6%	1.8%	1.3%	1.1%	1.2%
Sediment % Solid								
Sediment % Water								
Sediment % Carbon								
Concentrations (ng/g wet biota or ng/g dry se								
1	0.06	0.10			0.09	0.11	0.10	0.13
3	0.21	0.71		1.97	0.22	2.63		
4,10	0.48	0.34	2.63	0.83	0.20	0.53	0.21	0.57
7,9	0.12	0.06		0.15	0.04		0.04	0.06
6	0.02	0.03	0.14	0.02	0.03		0.02	0.09
8,5	22.46	2.77	5.58	4.04	0.44	1.42	0.27	5.14
19	0.19	0.12	0.25	0.15	0.04	0.07	0.03	0.10
12,13	0.10	0.07	0.18	0.04	0.04		0.02	
18	3.29	1.24	2.11	1.71	0.40	0.44	0.31	1.08
17	1.56	0.64	0.72	0.63	0.22	0.22	0.09	0.41
24	0.14	0.05	0.07	0.07	0.01	0.03	0.01	0.03
16,32	2.24	0.74	0.85	1.04	0.14	0.41	0.15	0.80
29	0.14	0.06	0.10	0.06	0.03	0.03	0.02	0.03
26	0.92	0.15	0.15	0.21	0.04		0.10	
25	0.63							
31, 28	6.67	0.90	3.06	1.83	1.00	0.80	0.68	1.30
33,21,53	4.07	1.47	1.98	1.71	0.38	0.55	0.34	1.35
51	0.71	0.37	0.32	0.58	0.06	0.20	0.03	0.46
22	1.49	0.40	0.95	0.57	0.12	0.38		
45	2.11	1.33	1.53	1.19	0.14	0.49	0.09	1.10
46	0.77	0.42	0.04	0.58	0.07	0.24	0.04	0.54
52	6.36	3.09	3.67	3.31	0.80	1.33	1.00	2.24
49								
47,48	6.29	2.42	4.36	2.48	0.63	1.03	0.68	1.19
44	5.48	2.06	2.80	2.14	0.17	0.93	0.25	1.62
37,42	3.72	1.64	1.70	1.30	0.12	0.40	0.13	0.97
41,64,71	5.64	2.90	3.35	2.37	0.46	1.18	0.25	1.94
40	1.49	0.58	0.45	0.61	0.07	0.31	0.04	0.56
100	1.60	0.68	0.74	0.57	0.19	1.54	0.06	0.45
63	0.60	0.39	0.51	0.24	0.20	0.20	0.06	0.21
74	4.46	1.85	2.54	1.50	0.95	0.67	0.42	1.05
70,76	7.93	2.16	3.70	2.69	0.63	1.03	0.42	1.82

Field ID	2CCSFA	5 SED1 SF	2 CORE INV	3 CORE INV	3 CORE MACRO INV	4 CORE INV	4 CORE MACRO	5 CORE INV
66,95	18.97	10.29	10.49	9.17	2.44	3.24	1.68	6.19
91	1.90	1.49	1.19	0.91	0.05	0.25	0.07	0.71
56,60/92,84	11.86	4.71	6.40	4.23	1.02	1.53	1.28	6.23
89	12.34	10.26	7.81	6.08	0.35	2.22	0.15	4.47
101	8.15	6.37	6.29	3.38	1.94	1.40	1.06	2.64
99	4.29	4.52	3.19	1.75	1.12	0.81	0.40	1.54
119	4.01	0.81	1.08	0.65	0.10	0.24	0.04	0.58
83	1.66	1.02	0.85	0.59	0.16	0.27	0.05	0.43
97	13.26	10.08	10.56	4.34	1.28	0.97	0.56	3.97
81,87	0.92	0.59	0.53	0.46	0.09	0.15		0.25
85	2.90	2.08	2.14	0.80	0.31	0.25	0.08	0.59
136	1.21	6.41	0.52	0.62	0.05	0.24	0.95	0.44
77,110	14.25	10.28	9.01	5.31	0.44	2.48	0.21	4.42
82, 151	1.12	0.74	0.54	0.50	0.15	0.18	0.07	0.36
135,144	2.55	1.87	1.69	1.23	0.27	0.53	0.17	0.89
107	0.92	0.83	0.74	0.44	0.25	0.19	0.11	0.31
123,149	11.14	8.46	8.76	4.96	1.24	2.00	0.60	3.74
118	8.34	6.86	7.07	2.67	2.50	1.24	0.98	2.06
134	1.34	0.87	0.67	0.40	0.05	0.15	0.07	0.17
146	3.68	4.31	3.65	1.81	1.11	0.72	0.69	1.59
132,105,153	31.16	28.58	30.65	12.68	7.03	4.86	4.02	11.11
141	4.53	3.77	3.12	1.77	1.12	0.67	0.79	1.25
137,130,176	1.55	1.73	1.21	0.81	0.23	0.26	0.14	0.49
163,138	22.56	20.37	19.73	6.99	5.39	2.95	2.70	5.68
158	0.89	0.88	1.15	0.97	0.19		0.27	0.81
129,178	2.61	2.60	1.96	0.90	0.57	0.36	0.29	0.74
187,182	7.80	8.53	8.59	3.30	2.45	1.30	1.22	2.93
183	4.66	4.31	4.64	1.62	0.49	0.61	0.29	1.28
128	2.30	1.95	1.62	0.58	0.14	0.23	0.05	0.46
185	1.00	0.77	0.77	0.34	0.11	0.11	0.08	0.25
174	4.79	3.85	3.13	1.64	0.75	0.59	0.55	1.26
177	3.25	3.07	3.35	1.33	0.83	0.49	0.41	0.99
202,171,156	4.91	4.25	3.47	1.15	0.20	0.46	0.11	1.06
157,200	1.34	2.30	1.02	0.30	0.17	0.13	0.10	0.34
172,197	1.69	2.08	1.56	0.47	0.25	0.17	0.15	0.47
180	13.74	15.01	12.61	3.75	3.25	1.45	1.71	3.10
193	5.08	2.72	13.46	3.43	0.69	1.07	0.22	3.07
191	0.41	0.24	0.36	0.09	0.06		0.03	
199		2.75						
170,190	6.01	6.51	5.19	1.66	1.01	0.61	0.57	1.30
198	0.32	0.73	0.31	0.08	0.03	0.04	0.02	0.11
201	3.85	7.67	3.41	1.06	0.67	0.51	0.39	1.19
203,196	6.96	11.07	6.71	1.73	0.53	0.76	0.29	1.84
189	0.27	0.20	0.25	0.04	0.03	0.02	0.02	0.03
208,195	2.43	10.85	2.16	0.67	0.29	0.39	0.23	1.06
207	0.47	2.47	0.41	0.13	0.05	0.09	0.04	0.23
194	2.34	3.05	2.04	0.41	0.29	0.20	0.15	0.37
205	0.15	0.24	0.21	ND	0.02	0.05	0.01	
206	2.74	20.86	2.31	0.81	0.17	0.59	0.17	1.35
209	1.32	11.39	0.94	0.39	0.13	0.28	0.10	0.43

Field ID	2CCSFA	5 SED1 SF	2 CORE INV	3 CORE INV	3 CORE MACRO INV	4 CORE INV	4 CORE MACRO	5 CORE INV
T PCBs (ng/g wet weight)	**357.90**	**307.37**	**264.01**	**134.00**	**49.99**	**55.47**	**30.15**	**110.02**
Lipid Normalized (ng/g lipid)	**19858**	**15726**	**16015**	**8645**	**2788**	**4344**	**2799**	**9121**
Organic Carbon Normalized for Sediment (ng/g OC)								
Recovery								
14	136%	107%	164%	109%	118%	57%	52%	124%
65								
166	51%	68%	82%	73%	58%	37%	39%	64%
Distribution of Homologue Groups (in ng/g								
mono	0	1	0	2	0	3	0	0
di	23	3	9	5	1	2	1	6
tri	21	6	10	8	2	3	2	5
tetra	61	27	34	26	6	10	5	20
penta	94	67	63	37	11	14	6	30
hexa	84	82	74	32	17	12	11	27
hepta	35	34	40	12	7	4	4	10
octa	10	26	9	2	1	1	1	3
nona	3	23	3	1	0	1	0	2
deca	1	11	1	0	0	0	0	0
total	334	281	241	126	46	51	28	103
Percent Homologue Distribution (with mor								
mono	0%	0%	0.00	0.02	0.01	0.05	0.00	0.00
di	7%	1%	0.04	0.04	0.02	0.04	0.02	0.06
tri	6%	2%	0.04	0.06	0.05	0.06	0.06	0.05
tetra	18%	9%	0.14	0.21	0.13	0.21	0.18	0.20
penta	28%	24%	0.26	0.29	0.24	0.27	0.20	0.29
hexa	25%	29%	0.31	0.26	0.37	0.24	0.37	0.26
hepta	11%	12%	0.17	0.10	0.15	0.09	0.13	0.10
octa	3%	9%	0.04	0.02	0.03	0.02	0.03	0.03
nona	1%	8%	0.01	0.01	0.00	0.01	0.01	0.02
deca	0%	4%	0.00	0.00	0.00	0.01	0.00	0.00
Percent Homologue Distribution (w/o mon								
di	7%	1%	4%	4%	2%	4%	2%	6%
tri	6%	2%	4%	6%	5%	6%	6%	5%
tetra	18%	10%	14%	21%	13%	22%	18%	20%
penta	28%	24%	26%	30%	24%	29%	20%	29%
hexa	25%	29%	31%	26%	37%	26%	38%	26%
hepta	11%	12%	17%	10%	15%	9%	13%	10%
octa	3%	9%	4%	2%	3%	3%	3%	3%
nona	1%	8%	1%	1%	0%	1%	1%	2%
deca	0%	4%	0%	0%	0%	1%	0%	0%

Table 13. Summary of All Data (bl

Field ID	2 CC INV	5 SED1 INV	5 SED1 MACRO INV	2 CORE Whole Fish	3 CORE Whole Fish	4 CORE Whole Fish	5 CORE Whole Fish
Collected	Spring 2002	Spring 2002	Spring 2002	Fall 2001	Fall 2001	Fall 2001	Fall 2001
Matrix	Invertebrate	Invertebrate	Invertebrate	Fish	Fish	Fish	Fish
Species	Amphipods	Amphipods	Mud crab	White Perch	White Perch	White Perch	White Perch
Zone	2	5	5	2	3	4	5
Description				Whole Fish	Whole Fish	Whole Fish	Whole Fish
Replicate analysis?							
Analyzed by	CBL	CBL	CBL	ANS	ANS	ANS	ANS
Fish Mass (g)							
Fish Length (mm)							
Fish Sex							
fish Age (yrs)							
Fish/Invert. Lipid Content (%)	1.0%	1.3%	1.4%	5.9%	7.6%	7.3%	10.3%
Sediment % Solid							
Sediment % Water							
Sediment % Carbon							
Concentrations (ng/g wet biota or ng/g dry se							
1	0.19	0.34	0.40				
3	0.79	0.37		0.68	2.19	1.44	0.80
4,10	0.83	0.41	0.55	0.13	0.18	0.27	0.03
7,9	0.07	0.04	0.06	0.06	0.11	0.12	0.02
6	0.02	0.01	0.02	0.00	0.08	0.00	
8,5	1.71	1.35	0.80	3.57	6.34	7.59	1.47
19	0.06	0.06	0.04	0.36	0.64	0.76	0.09
12,13	0.05		0.03	0.09	0.20		0.03
18	0.49	0.52	0.41	1.36	3.64	2.88	0.48
17	0.17	0.40	0.17	1.37	3.19	2.91	0.43
24	0.03	0.03	0.03	0.07	0.14	0.16	0.02
16,32	0.26	0.33	0.28	2.34	6.37	4.98	0.81
29	0.02	0.03	0.03				
26		0.10		0.88	2.01	1.87	0.32
25				0.50	1.14	1.06	0.14
31, 28	0.56	0.53	0.20	6.60	21.61	14.02	2.56
33,21,53	0.52	0.56	0.43	3.97	11.68	8.43	1.61
51	0.13	0.14		1.36	4.89	2.88	0.65
22		0.24		0.67	2.59	1.43	0.29
45	0.35	0.33	0.16	2.55	4.75	5.43	1.26
46	0.22	0.17	0.08	1.63	3.04	3.47	0.63
52	0.91	0.97	0.41	1.13	21.60	2.40	3.88
49				7.74	20.97	16.44	3.81
47,48		0.97	1.08	8.49	33.03	18.03	5.60
44	0.52	0.65	0.21	6.44	19.26	13.68	3.29
37,42	0.32	0.44	0.25	4.53	12.28	9.62	2.09
41,64,71	0.82	0.67	0.76	12.27	35.31	26.06	6.29
40	0.13	0.26	0.08	2.13	5.94	4.53	1.20
100	0.13	9.44	0.11	3.02	6.36	6.41	1.39
63	0.02	0.13	0.07	0.73	1.71	1.54	0.31
74	0.45	0.45	0.68	5.66	15.83	12.02	2.63
70,76	0.59	0.72	0.30	12.06	37.53	25.62	5.61

Field ID	2 CC INV	5 SED1 INV	5 SED1 MACRO INV	2 CORE Whole Fish	3 CORE Whole Fish	4 CORE Whole Fish	5 CORE Whole Fish
66,95	3.31	2.78	1.15	25.30	66.42	53.74	15.62
91	0.28	0.38	0.24	4.57	10.15	9.71	2.14
56,60/92,84	1.12	1.37	0.58	34.49	79.25	73.27	16.48
89	2.12	1.57	0.36				
101	1.08	1.13	1.14	19.69	43.33	41.83	8.90
99	0.56	0.73	0.71	13.85	30.32	29.41	7.27
119	0.32	0.23	0.21				
83	0.16	0.19	0.09	2.38	5.63	5.06	1.74
97	1.24	1.65	2.01	5.22	12.37	11.09	2.46
81,87	0.38	0.20	0.23	1.85	4.78	3.93	0.83
85	0.28	0.22	0.22	0.74	0.00		
136	0.20	0.18	0.05	2.93	6.07	6.23	1.22
77,110	1.59	1.90	1.80	35.77	84.10	75.98	17.70
82, 151	0.16	0.15	0.08	17.31	33.29	36.77	7.14
135,144	0.49	0.41	0.28	8.29	15.90	17.61	3.44
107	0.16	0.17	0.26	3.26	6.86	6.92	1.57
123,149	1.96	1.70	1.09	25.28	42.61	53.70	9.76
118	0.95	0.87	1.09	20.29	43.29	43.09	8.50
134	0.11	0.20	0.15				
146	0.93	0.84	1.55	7.53	11.37	15.99	4.01
132,105,153	5.61	4.68	7.60	80.30	116.87	170.59	30.90
141	0.72	0.49	0.54	4.41	7.25	9.37	1.61
137,130,176			0.27	3.06	5.15	6.51	1.19
163,138	2.40	2.54	3.71	64.49	109.66	137.00	25.99
158		0.42	0.81	1.17	2.11	2.49	
129,178	0.26	0.35	0.68	7.18	11.63	15.25	2.98
187,182	1.43	1.51	3.60	18.90	26.21	40.15	7.99
183	0.70	0.58	1.01	14.05	19.31	29.84	5.37
128	0.23	0.20	0.32	7.08	13.92	15.04	3.12
185	0.15	0.09	0.10	2.39	3.70	5.08	1.05
174	0.67	0.53	0.67	8.84	16.20	18.79	3.61
177	0.55	0.44	0.84	5.82	10.23	12.36	2.31
202,171,156	0.42	0.56	1.19	9.61	15.33	20.42	4.42
157,200	0.06	0.19	0.61	3.34	6.61	7.08	2.13
172,197		0.32	0.56	2.52	3.90	5.34	1.14
180	1.27	1.54	2.75	43.60	65.75	92.62	18.39
193	1.63	0.88	0.49	2.39	0.49		0.71
191			0.04	0.77	1.25	1.63	0.34
199				0.26	0.49	0.55	0.16
170,190	0.57	0.60	0.86	26.76	45.80	56.84	12.46
198	0.07	0.07	0.16	0.55	1.04	1.18	0.39
201	0.36	0.78	1.94	11.92	19.28	25.33	8.04
203,196	0.61	1.13	2.36	16.96	25.04	36.04	9.31
189	0.03	0.02	0.03	1.24	1.79	2.64	0.52
208,195	0.18	0.74	2.29	5.37	7.71	11.41	12.10
207	0.07	0.17	0.60	0.81	1.20	1.73	1.07
194	0.13	0.22	0.41	5.35	8.40	11.37	2.78
205		0.01		0.29	0.44	0.61	0.14
206	0.12	1.15	2.56	10.43	17.14	22.16	16.62
209		0.54	1.87	0.58	0.86	1.24	1.15

Field ID	2 CC INV	5 SED1 INV	5 SED1 MACRO INV	2 CORE Whole Fish	3 CORE Whole Fish	4 CORE Whole Fish	5 CORE Whole Fish
T PCBs (ng/g wet weight)	**45.97**	**58.27**	**59.82**	**681.60**	**1345.10**	**1441.02**	**334.51**
Lipid Normalized (ng/g lipid)	**4502**	**4487**	**4198**	**11485**	**17586**	**19776**	**3246**
Organic Carbon Normalized for Sediment (ng/g OC)							
Recovery							
14	46%	111%	80%	113%	97%	119%	
65				78%	81%	68%	
166	35%	66%	61%	85%	91%	68%	
Distribution of Homologue Groups (in ng/g							
mono	1	1	0	1	2	1	1
di	3	2	1	4	7	8	2
tri	2	3	2	18	53	39	7
tetra	7	8	5	96	289	205	53
penta	12	12	10	163	358	344	77
hexa	12	12	18	210	340	447	85
hepta	5	4	6	92	145	190	39
octa	1	2	5	25	41	54	25
nona	0	1	3	11	18	24	18
deca	0	1	2	1	1	1	1
total	43	45	52	622	1254	1314	307
Percent Homologue Distribution (with mor							
mono	2%	2%	1%	0.00	0.00	0.00	0.00
di	6%	4%	3%	0.01	0.01	0.01	0.01
tri	5%	6%	3%	0.03	0.04	0.03	0.02
tetra	16%	18%	10%	0.15	0.23	0.16	0.17
penta	29%	27%	19%	0.26	0.29	0.26	0.25
hexa	29%	26%	34%	0.34	0.27	0.34	0.28
hepta	11%	10%	12%	0.15	0.12	0.14	0.13
octa	2%	4%	10%	0.04	0.03	0.04	0.08
nona	0%	3%	6%	0.02	0.01	0.02	0.06
deca	0%	1%	4%	0.00	0.00	0.00	0.00
Percent Homologue Distribution (w/o mon							
di	6%	4%	3%	1%	1%	1%	1%
tri	5%	6%	3%	3%	4%	3%	2%
tetra	16%	18%	10%	16%	23%	16%	17%
penta	29%	27%	19%	26%	29%	26%	25%
hexa	29%	26%	34%	34%	27%	34%	28%
hepta	11%	10%	12%	15%	12%	14%	13%
octa	2%	4%	10%	4%	3%	4%	8%
nona	0%	3%	6%	2%	1%	2%	6%
deca	0%	1%	4%	0%	0%	0%	0%

Table 13. Summary of All Data (bl

Field ID	05var1WP1	05var1WP2	05var1WP3	05var1WP4	05var1WP5	05coreWP1-5F	05var2WP1
Collected	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001
Matrix	Fish	Fish	Fish	Fish	Fish	Fish	Fish
Species	White Perch	White Perch	White Perch	White Perch	White Perch	White Perch	White Perch
Zone	5	5	5	5	5	5	5
Description	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Fillet Composite	Individual Fillet
Replicate analysis?							
Analyzed by	ANS	ANS	ANS	ANS	ANS	ANS	ANS
Fish Mass (g)	161.38	92.93	129.27	125.3	100.9		84.27
Fish Length (mm)	223	186	203	199	190		185
Fish Sex	M	M	F	M	M		M
fish Age (yrs)	6	3	7	6	6		4
Fish/Invert. Lipid Content (%)	5.7%	2.8%	6.9%	4.9%	3.7%	7.2%	6.8%
Sediment % Solid							
Sediment % Water							
Sediment % Carbon							
Concentrations (ng/g wet biota or ng/g dry se							
1							
3	1.21	1.25	0.58	0.57	0.47	0.55	0.85
4,10	0.06	0.06	0.05		0.03	0.04	0.05
7,9	0.03	0.04	0.03	0.01	0.02	0.02	0.03
6							0.07
8,5	2.16		1.71	0.68	1.25	1.44	2.10
19	0.11	0.18	0.10	0.05	0.06	0.07	0.14
12,13	0.06	0.06	0.03	0.20	0.02	0.03	0.03
18	0.68	1.19	0.54	0.15	0.52	0.46	0.80
17	0.58	0.91	0.60	0.14	0.45	0.42	1.05
24	0.04	0.06	0.03		0.02	0.02	0.06
16,32	0.80	1.96	0.96	0.25	0.81	0.73	1.47
29							
26	0.45	0.64	0.33	0.20	0.34	0.31	0.76
25	0.16	0.33	0.16	0.06	0.16	0.13	0.38
31, 28	1.55	5.45	3.19	0.56	2.78	2.28	4.20
33,21,53	2.13	4.24	1.49	0.48	1.69	1.54	2.51
51	0.71	1.67	0.59	0.14	0.70	0.60	0.82
22	0.28	0.61	0.32		0.32	0.28	0.44
45	1.78	2.66	1.27	0.56	1.27	1.37	1.86
46	1.03	1.35	0.61	0.15	0.55	0.62	0.75
52	5.76	9.25	3.43	1.18	3.77	3.65	5.76
49	5.72	8.83	3.51	1.08	3.63	3.55	5.94
47,48	7.81	13.53	4.85	1.34	5.66	5.09	8.24
44	4.29	7.67	2.97	0.88	3.19	3.00	4.81
37,42	3.29	5.34	2.04	0.64	2.25	2.16	3.80
41,64,71	7.95	15.16	5.49	1.45	5.95	5.60	9.42
40	1.65	2.77	0.91	0.35	1.10	1.06	1.70
100	1.86	3.07	1.17	0.29	1.24	1.26	1.52
63	0.44	0.69	0.27	0.11	0.26	0.27	0.60
74	2.97	5.76	2.47	0.63	2.47	2.31	3.92
70,76	6.07	13.44	5.32	1.25	5.12	4.90	7.41

Field ID	05var1WP1	05var1WP2	05var1WP3	05var1WP4	05var1WP5	05coreWP1-5F	05var2WP1
66,95	17.92	44.85	14.08	4.34	14.24	11.88	18.09
91	3.65	4.96	1.73	0.71	1.81	1.97	2.69
56,60/92,84	23.61	40.35	13.43	4.57	14.48	14.73	20.63
89							
101	15.20	22.22	7.06	2.71	8.14	8.29	10.15
99	11.37	15.01	5.71	2.27	6.16	6.54	8.65
119							
83	1.62	2.73	1.50	0.70	1.49	1.60	2.61
97	3.86	6.17	1.88	0.63	2.20	2.22	2.90
81,87	1.08	2.23	0.66	0.16	0.72	0.72	0.97
85							
136	2.08	3.06	0.99	0.33	1.04	1.11	1.31
77,110	26.76	41.57	14.23	5.14	15.21	16.19	20.85
82, 151	11.76	16.83	5.39	1.86	6.29	6.38	7.15
135,144	5.57	8.38	2.63	0.89	2.85	3.04	3.53
107	2.51	3.38	1.08	0.45	1.16	1.32	1.74
123,149	17.88	23.06	8.46	3.30	8.69	9.04	9.89
118	11.88	20.79	7.18	2.14	7.19	7.46	9.54
134							13.08
146	6.48	6.85	2.89	1.70	3.19	3.43	3.75
132,105,153	57.81	65.87	25.05	11.38	27.84	28.46	32.03
141	2.87	3.65	1.37	0.50	1.32	1.42	1.66
137,130,176	1.95	2.64	1.02	0.37	0.89	1.03	1.37
163,138	43.24	58.21	20.21	8.07	23.05	23.34	26.79
158	0.65	1.05	0.34	0.11	0.36		
129,178	5.39	5.96	2.20	1.02	2.52	2.61	3.04
187,182	16.05	14.16	5.61	3.29	7.31	7.31	7.16
183	9.35	10.93	3.94	1.68	4.62	4.69	4.84
128	4.57	7.13	2.00	0.84	2.60	2.62	3.42
185	1.48	1.85	0.89	0.36	0.85	0.92	1.14
174	6.06	7.90	2.93	1.05	2.92	3.16	3.70
177	3.89	4.80	2.06	0.73	1.64	2.03	2.55
202,171,156	8.02	8.01	3.04	1.58	3.64	3.85	4.33
157,200	4.62	3.46	1.36	0.93	1.68	1.92	2.34
172,197	2.02	2.06	0.74	0.38	0.99	0.99	1.14
180	30.99	36.04	12.57	5.49	16.42	15.93	17.54
193		4.99	0.53	0.39	1.28	0.92	0.65
191	0.43	0.67	0.21	0.08	0.30	0.28	0.29
199	0.48	0.26	0.10	0.09	0.13	0.16	0.25
170,190	19.73	24.02	7.92	3.53	10.72	10.49	11.86
198	0.86	0.51	0.22	0.19	0.28	0.34	0.49
201	17.61	10.74	4.65	3.85	6.43	7.17	9.31
203,196	17.83	13.44	5.71	3.70	7.51	8.05	9.59
189	0.89	0.85	0.33	0.22	0.43	0.44	0.52
208,195	31.68	12.64	6.07	7.07	8.57	11.05	15.56
207	2.97	1.02	0.48	0.73	0.79	1.01	1.38
194	4.96	4.19	1.65	0.98	2.26	2.36	2.94
205	0.30	0.21	0.08	0.08	0.13	0.13	0.16
206	42.91	14.39	6.94	9.79	11.79	15.25	23.84
209	3.28	0.91	0.48	0.79	0.78	1.11	1.67

Field ID	05var1WP1	05var1WP2	05var1WP3	05var1WP4	05var1WP5	05coreWP1-5F	05var2WP1
T PCBs (ng/g wet weight)	**567.75**	**693.18**	**254.59**	**114.61**	**290.98**	**298.69**	**400.57**
Lipid Normalized (ng/g lipid)	**9908**	**24935**	**3690**	**2353**	**7822**	**4126**	**5899**
Organic Carbon Normalized for Sediment (ng/g OC)							
Recovery							
14	116%	127%					
65	71%	79%					
166	73%	81%					
Distribution of Homologue Groups (in ng/g							
mono	1	1	1	1	0	1	1
di	2	0	2	1	1	2	2
tri	7	16	8	2	7	7	12
tetra	70	130	47	14	50	47	74
penta	116	185	63	22	67	69	102
hexa	150	184	67	29	74	76	87
hepta	64	81	27	12	35	34	38
octa	58	30	13	13	19	22	30
nona	46	15	7	11	13	16	25
deca	3	1	0	1	1	1	2
total	518	645	236	105	268	274	374
Percent Homologue Distribution (with mor							
mono	0%	0%	0%	1%	0%	0%	0%
di	0%	0%	1%	1%	0%	1%	1%
tri	1%	3%	3%	2%	3%	2%	3%
tetra	13%	20%	20%	14%	19%	17%	20%
penta	22%	29%	27%	21%	25%	25%	27%
hexa	29%	29%	28%	28%	28%	28%	23%
hepta	12%	13%	12%	11%	13%	12%	10%
octa	11%	5%	6%	12%	7%	8%	8%
nona	9%	2%	3%	10%	5%	6%	7%
deca	1%	0%	0%	1%	0%	0%	0%
Percent Homologue Distribution (w/o mon							
di	0%	0%	1%	1%	0%	1%	1%
tri	1%	3%	3%	2%	3%	2%	3%
tetra	13%	20%	20%	14%	19%	17%	20%
penta	22%	29%	27%	21%	25%	25%	27%
hexa	29%	29%	28%	28%	28%	28%	23%
hepta	12%	13%	12%	11%	13%	12%	10%
octa	11%	5%	6%	12%	7%	8%	8%
nona	9%	2%	3%	10%	5%	6%	7%
deca	1%	0%	0%	1%	0%	0%	0%

Table 13. Summary of All Data (bl

Field ID	05var2WP2	05var2WP3	05var2WP4	05var2WP5	05var2WP6	05var2WP1-6F	05var3WP1	05var3WP2
Collected	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001
Matrix	Fish	Fish	Fish	Fish	Fish	Fish	Fish	Fish
Species	White Perch	White Perch	White Perch	White Perch	White Perch	White Perch	White Perch	White Perch
Zone	5	5	5	5	5	5	5	5
Description	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Individual Fillet	Fillet Composite	Individual Fillet	Individual Fillet
Replicate analysis?								
Analyzed by	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS
Fish Mass (g)	75.03	55.79	66.25	44.88	27.39		91.98	68.24
Fish Length (mm)	230	162	175	153	135		186	173
Fish Sex	F	F	M	M	F		M	M
fish Age (yrs)	3	2	5	3	2		5	3
Fish/Invert. Lipid Content (%)	2.6%	4.7%	5.1%	2.5%	1.4%	3.9%	3.1%	2.5%
Sediment % Solid								
Sediment % Water								
Sediment % Carbon								
Concentrations (ng/g wet biota or ng/g dry se								
1	9.10					0.41	0.78	7.17
3	3.91	1.68	2.03	0.22	0.80	0.64	1.90	
4,10	0.62	0.04	0.07	0.03	0.05	0.06	0.10	0.97
7,9	0.47	0.02	0.03	0.02	0.03	0.04	0.05	0.32
6	0.78			0.04		0.06	0.08	0.50
8,5	13.43	2.50	5.83				5.00	10.70
19		0.08	0.28	0.04	0.11	0.18	0.32	
12,13	0.28	0.05	0.07	0.01	0.03	0.03	0.07	0.26
18	3.08	0.61	1.42	0.38	0.54	0.98	1.86	3.78
17	2.31	0.46	1.24	0.41	0.54	1.05	1.71	2.42
24	0.22	0.02	0.08		0.03			0.13
16,32	3.32	0.91	2.84	0.56	0.94	1.64	3.44	3.99
29	0.09				0.01			0.08
26		0.39	1.00	0.33	0.34	0.94	1.33	
25		0.18	0.46	0.17	0.18	0.52	0.61	
31, 28	8.74	3.57	10.06	2.07	2.77	7.51	10.94	5.33
33,21,53	3.68	1.38	5.09	0.88	1.84	3.11	6.67	5.15
51	1.02	0.40	2.32	0.17	0.66	1.14	2.38	0.63
22	1.34	0.63	0.81	0.27	0.31	0.76	1.14	1.42
45	1.14	0.91	3.77	0.48	1.17	1.21	3.87	1.51
46	0.48	0.33	1.98	0.15	0.67	0.81	2.28	0.60
52	6.28	2.69	12.10	1.98	3.85	7.21	14.69	4.19
49	6.01	2.30	12.15	1.83	3.77	7.40	14.68	4.83
47,48	6.97	0.81	17.42	2.52	6.33	10.90	21.40	6.10
44	4.61	2.40	17.90	1.85	3.28	5.74	21.13	3.36
37,42	2.99	1.72		1.25	2.33	4.14		2.47
41,64,71	6.78	3.71	21.59	2.88	6.22	10.61	26.54	6.00
40	1.64	0.74	4.27	0.50	1.15	1.78	4.89	1.18
100	1.42		4.70	0.25	1.23	1.97	4.67	1.28
63	0.45	0.20	1.05	0.16	0.40	0.72	1.35	0.43
74	3.30	2.05	9.10	1.40	2.77	5.66	10.66	2.20
70,76	7.02	3.76	20.09	3.04	6.08	12.82	21.73	4.25

Field ID	05var2WP2	05var2WP3	05var2WP4	05var2WP5	05var2WP6	05var2WP1-6F	05var3WP1	05var3WP2
66,95	17.02	8.41	45.95	13.21	34.42	59.73	146.22	15.66
91	5.73	0.93	6.01	0.56	1.90	3.10	7.92	8.12
56,60/92,84	6.12		50.21			25.93	62.53	8.40
89								
101	7.86	3.95	24.95	2.26	8.34	14.28	31.63	5.39
99	5.62	2.49	21.70	1.84	6.45	10.26	25.72	3.67
119								
83	1.31		7.11	0.38	1.23	1.68	6.35	1.46
97	1.25	1.05	7.18	0.67	2.35	3.79	9.02	0.36
81,87	1.36	0.36	2.61	0.18	0.84	1.35	3.33	0.62
85	2.31	0.78		0.48	1.30	3.07		1.52
136		0.42	3.49	0.20	1.08	1.65	4.44	
77,110	14.25	7.65	51.40	4.02	16.09	22.92	66.16	11.31
82, 151	5.22	2.15	19.14	1.15	6.21	7.97	25.12	4.48
135,144	2.47	0.95	9.44	0.51	2.93	4.12	12.29	1.98
107	1.27	0.48	4.38	0.26	1.32	2.15	5.70	0.88
123,149	10.48	3.22	31.74	1.68	8.54	11.94	29.01	7.36
118	4.97	3.68	29.91	2.16	8.48	14.98	27.78	1.33
134	3.01	5.96	28.82	2.39	6.05	7.70	27.40	0.69
146	4.09	1.04	12.38	0.52	2.54	4.59	9.75	3.06
132,105,153	31.99	11.56	90.12	5.48	26.41	44.05	84.27	25.61
141	2.77	0.39	5.68	0.24	1.39	1.89	4.77	3.09
137,130,176	0.56	0.44	4.65	0.18	1.06	1.70	3.98	0.92
163,138	21.22	10.52	84.55	4.21	22.71	34.53	76.09	15.87
158	2.75							
129,178	2.26	0.97	9.85	0.44	2.29	3.15	8.27	
187,182	7.27	2.23	21.11	0.94	5.49	7.53	19.13	7.07
183	4.34	1.39	15.11	0.62	4.00	5.84	14.23	3.56
128	2.19	1.23	11.28	0.48	2.71	3.55	10.40	1.91
185	0.70	0.23	4.35	0.12	0.72	1.06	3.01	0.57
174	3.14	0.99	14.02	0.53	2.84	4.30	11.08	2.45
177	2.13	1.10	9.68	0.37	2.12	2.97	7.24	1.74
202,171,156	3.23	1.23	12.97	0.62	3.02	2.78	11.76	2.74
157,200	0.65	0.53	6.45	0.27	1.26	2.34	5.46	0.22
172,197		0.37	3.93	0.16	0.75	1.51	3.01	
180	10.86	5.40	61.80	2.08	12.83	25.27	48.15	8.97
193	11.44	0.16	1.61	0.12	0.44	0.49	1.95	8.44
191	0.27	0.10	0.96	0.04	0.22	0.32	0.99	0.10
199		0.05	0.65	0.04	0.09	0.21	0.43	
170,190	7.11	3.89	44.60	1.39	8.37	15.36	34.03	6.01
198	0.15	0.11	1.28	0.07	0.18	0.42	0.90	0.13
201	3.32	2.18	25.17	1.30	3.86	7.85	17.41	3.80
203,196	4.31	2.15	27.53	1.19	4.85	9.68	21.24	4.42
189	0.37	0.16	1.71	0.07	0.36	0.68	1.42	0.33
208,195	3.32	3.16	36.86	2.27	4.13	11.67	21.90	5.30
207	0.23	0.21	2.47	0.19	0.29	1.06	1.79	0.46
194	1.18	0.84	11.18	0.34	1.61	4.05	6.61	1.09
205		0.06	0.75	0.02	0.10	0.26	0.35	0.09
206	3.04	3.64	48.87	2.98	4.04	19.10	27.60	5.37
209	0.30	0.27	3.16	0.21	0.26	1.14	1.62	0.97

Field ID	05var2WP2	05var2WP3	05var2WP4	05var2WP5	05var2WP6	05var2WP1-6F	05var3WP1	05var3WP2
T PCBs (ng/g wet weight)	**326.90**	**133.62**	**1078.53**	**83.31**	**276.92**	**506.03**	**1135.71**	**268.74**
Lipid Normalized (ng/g lipid)	**12820**	**2825**	**21024**	**3353**	**19501**	**12843**	**36874**	**10924**
Organic Carbon Normalized for Sediment (ng/g OC)								
Recovery								
14	121%				113%	94%	107%	74%
65	79%				89%	49%	108%	60%
166	90%				89%	68%	112%	61%
Distribution of Homologue Groups (in ng/g								
mono	13	2	2	0	1	1	3	7
di	16	3	6	0	0	0	5	13
tri	22	8	21	5	8	17	25	21
tetra	61	26	174	25	56	112	253	51
penta	65	34	261	23	80	139	347	47
hexa	79	31	264	14	71	109	243	59
hepta	35	12	138	5	28	51	108	28
octa	8	7	79	4	11	26	50	11
nona	3	4	51	3	4	20	29	6
deca	0	0	3	0	0	1	2	1
total	303	127	1000	80	259	477	1066	244
Percent Homologue Distribution (with mor								
mono	4%	1%	0%	0%	0%	0%	0%	3%
di	5%	2%	1%	0%	0%	0%	0%	5%
tri	7%	7%	2%	7%	3%	4%	2%	9%
tetra	20%	21%	17%	31%	22%	24%	24%	21%
penta	22%	27%	26%	29%	31%	29%	33%	19%
hexa	26%	24%	26%	17%	27%	23%	23%	24%
hepta	12%	10%	14%	6%	11%	11%	10%	12%
octa	3%	5%	8%	5%	4%	5%	5%	4%
nona	1%	3%	5%	4%	2%	4%	3%	2%
deca	0%	0%	0%	0%	0%	0%	0%	0%
Percent Homologue Distribution (w/o mon								
di	5%	2%	1%	0%	0%	0%	0%	5%
tri	8%	7%	2%	7%	3%	4%	2%	9%
tetra	21%	21%	17%	31%	22%	24%	24%	22%
penta	22%	27%	26%	29%	31%	29%	33%	20%
hexa	27%	25%	26%	17%	28%	23%	23%	25%
hepta	12%	10%	14%	6%	11%	11%	10%	12%
octa	3%	5%	8%	5%	4%	5%	5%	4%
nona	1%	3%	5%	4%	2%	4%	3%	2%
deca	0%	0%	0%	0%	0%	0%	0%	0%

Table 13. Summary of All Data (bl

Field ID	05var3WP3	05var3WP5	05var3WP6	05var3WP1-6F	02 CORE Whole Fish	3 CORE Whole Fish	4 CORE Whole Fish
Collected	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Spring 2002	Spring 2002	Spring 2002
Matrix	Fish	Fish	Fish	Fish	Fish	Fish	Fish
Species	White Perch	White Perch	White Perch	White Perch	White Perch	White Perch	White Perch
Zone	5	5	5	5	2	3	4
Description	Individual Fillet	Individual Fillet	Individual Fillet	Fillet Composite	Whole Fish	Whole Fish	Whole Fish
Replicate analysis?							
Analyzed by	ANS	ANS	ANS	ANS	ANS	ANS	ANS
Fish Mass (g)	52.24	51.11	53.32				
Fish Length (mm)	162	158	163				
Fish Sex	F	M	F				
fish Age (yrs)	2	3	4				
Fish/Invert. Lipid Content (%)	NA	3.0%	5.1%	2.9%	6.0%	7.1%	7.1%
Sediment % Solid							
Sediment % Water							
Sediment % Carbon							
Concentrations (ng/g wet biota or ng/g dry se							
1	0.41			0.30		19.46	13.47
3	1.01	1.36	2.12	1.03		11.44	8.94
4,10	0.04	0.07	0.09	0.06	2.30	1.86	1.24
7,9	0.02	0.03	0.05	0.04		1.62	1.47
6		0.03	0.20	0.04	0.07	3.14	3.03
8,5			7.28	3.19	0.88	35.18	32.83
19		0.59	0.36	0.18		1.16	
12,13	0.02	0.04	0.09	0.05		1.62	1.32
18	0.65	0.97	2.11	0.95	1.10	16.42	17.31
17	0.53	1.02	1.75	0.83	0.91	13.61	14.69
24			0.12	0.06	0.26	0.25	0.21
16,32	1.15	1.83	3.97	1.68	2.14	17.24	16.09
29				0.01		0.18	0.13
26	0.36	0.54	1.34	0.58	0.92	1.93	2.02
25	0.17	0.31	0.63	0.28	0.51		
31, 28	2.63	5.07	12.60	4.74	7.19	29.06	27.24
33,21,53	2.54	2.94	6.78	3.01	0.71	25.87	24.95
51	0.85	1.11	2.80	1.14	1.48	3.01	2.98
22	0.32	0.58	1.17	0.57	1.22	4.49	4.51
45	1.65	1.92	4.66	2.15	1.12	6.11	6.59
46	0.69	1.16	2.54	1.09	0.65	2.09	2.03
52	5.02	4.84	15.75	6.72	9.30	17.45	18.86
49	4.46	4.84	15.31	6.48	8.60	17.74	20.33
47,48	6.52	7.91	21.34	9.53	12.77	27.76	27.67
44	4.20	4.31	14.38	5.86	7.54	15.60	17.81
37,42	2.75	3.20	10.73	4.12	3.14	11.79	14.06
41,64,71	7.67	7.71	27.83	11.04	13.92	31.34	34.69
40	1.46	1.49	5.18	2.07	2.71	5.12	6.44
100	1.37	1.64	4.92	2.08	2.39	5.01	5.45
63	0.32	0.46	1.29	0.55	0.72	1.44	1.49
74	2.48	3.75	10.89	4.32	6.79	13.37	9.77
70,76	5.56	8.32	23.72	9.36	12.39	26.87	20.04

Field ID	05var3WP3	05var3WP5	05var3WP6	05var3WP1-6F	02 CORE Whole Fish	3 CORE Whole Fish	4 CORE Whole Fish
66,95	41.87	35.28	81.74	35.06	33.02	71.11	74.45
91	2.28	2.28	7.68	3.35	4.42	33.84	30.26
56,60/92,84	16.67	9.71	62.48	22.19	17.76	20.77	37.55
89							
101	9.64	10.25	32.34	14.09	20.14	22.79	23.01
99	7.24	8.02	27.66	11.36	17.90	15.55	14.86
119							
83		2.06	8.41	3.19	2.42	5.15	
97	2.64	2.84	9.19	3.95	5.41	2.15	2.85
81,87	0.90	1.05	3.34	1.40	5.99	2.73	5.37
85						9.06	7.43
136	1.24	1.33	4.41	1.90	2.94	3.37	3.95
77,110	19.73	19.99	66.39	28.90	37.53	50.68	49.70
82, 151	6.66	7.86	24.30	10.62	14.63	19.58	21.11
135,144	3.21	3.45	11.96	5.14	6.79	8.05	9.27
107	1.28	1.42	5.35	2.25	3.39	3.25	3.52
123,149	9.64	10.88	30.92	14.38	20.88	27.57	29.94
118	7.92	11.05	29.40	13.17	17.51	7.89	5.52
134	9.06	10.34	30.50	13.09	13.72	3.40	3.32
146	3.03	2.83	10.08	4.48	11.74	9.85	12.64
132,105,153	25.62	31.55	89.75	42.00	65.10	92.31	98.35
141	1.78	1.42	5.26	2.32	3.05	15.69	17.52
137,130,176	1.12	1.18	4.29	1.81		3.86	4.68
163,138	22.54	28.01	80.91	36.75	52.63	71.48	72.80
158					3.29		
129,178	2.23	2.52	8.87	3.82	5.20	8.00	9.49
187,182	5.48	6.79	20.44	9.68	17.74	24.35	27.28
183	3.89	4.48	14.59	6.59	10.34	14.13	15.89
128	2.64	3.12	9.98	4.40	6.34	9.25	8.61
185	0.75	0.86	3.06	1.15	1.65	3.59	3.69
174	3.13	3.63	12.48	5.16	6.99	12.07	14.19
177	2.14	2.47	8.41	3.50	4.70	7.58	7.77
202,171,156	3.07	3.58	12.33	5.29		12.15	12.11
157,200	1.42		6.03	2.50	3.36	1.06	1.11
172,197	0.69	0.85	3.34	1.32	2.72		
180	12.23	14.63	55.52	22.53	30.03	39.08	44.04
193	0.64		1.92	0.83	35.76	36.23	41.86
191	0.21	0.25	0.92	0.38	0.40		0.54
199	0.12	0.11	0.60	0.21			
170,190	8.07	9.83	38.10	14.97	21.68	28.67	30.60
198	0.40	0.16	1.11	0.41	0.41		0.64
201	4.37	3.98	22.01	8.46	9.94	13.00	16.56
203,196	5.05	5.31	25.23	9.75	12.41	16.16	21.21
189	0.30	0.45	1.55	0.60	1.40	1.63	3.26
208,195	5.61	1.87	30.99	11.15	10.32	13.49	23.66
207	0.45	0.22	2.24	0.92	0.68	0.82	2.30
194	1.31	1.95	8.71	3.02	4.20	4.87	6.17
205	0.09	0.12	0.59	0.18	0.28	0.28	1.16
206	6.04	3.26	40.33	13.61	10.66	10.82	21.13
209	0.38	0.20	2.55	0.88	0.67	1.39	3.03

Field ID	05var3WP3	05var3WP5	05var3WP6	05var3WP1-6F	02 CORE Whole Fish	3 CORE Whole Fish	4 CORE Whole Fish
T PCBs (ng/g wet weight)	**319.64**	**341.44**	**1160.22**	**486.82**	**659.88**	**1127.98**	**1202.04**
Lipid Normalized (ng/g lipid)		**11306**	**22794**	**17022**	**10965**	**15983**	**17037**
Organic Carbon Normalized for Sediment (ng/g OC)							
Recovery							
14	92%	105%	122%	107%	138%	85%	111%
65	69%	87%	105%	87%	94%	64%	79%
166	64%	80%	109%	84%	89%	61%	75%
Distribution of Homologue Groups (in ng/g							
mono	1	1	2	1	0	31	22
di	0	0	8	3	3	43	40
tri	8	14	33	13	16	103	102
tetra	73	73	227	92	105	233	244
penta	99	103	324	138	174	202	208
hexa	72	84	256	116	169	248	265
hepta	27	32	122	49	104	125	142
octa	13	8	67	25	27	32	49
nona	6	3	43	15	11	12	23
deca	0	0	3	1	1	1	3
total	301	320	1084	454	611	1031	1098
Percent Homologue Distribution (with mor							
mono	0%	0%	0%	0%	0.00	0.03	0.02
di	0%	0%	1%	1%	0.01	0.04	0.04
tri	3%	4%	3%	3%	0.03	0.10	0.09
tetra	24%	23%	21%	20%	0.17	0.23	0.22
penta	33%	32%	30%	30%	0.29	0.20	0.19
hexa	24%	26%	24%	26%	0.28	0.24	0.24
hepta	9%	10%	11%	11%	0.17	0.12	0.13
octa	4%	3%	6%	5%	0.04	0.03	0.04
nona	2%	1%	4%	3%	0.02	0.01	0.02
deca	0%	0%	0%	0%	0.00	0.00	0.00
Percent Homologue Distribution (w/o mon							
di	0%	0%	1%	1%	1%	4%	4%
tri	3%	4%	3%	3%	3%	10%	9%
tetra	24%	23%	21%	20%	17%	23%	23%
penta	33%	32%	30%	30%	29%	20%	19%
hexa	24%	26%	24%	26%	28%	25%	25%
hepta	9%	10%	11%	11%	17%	13%	13%
octa	4%	3%	6%	5%	4%	3%	5%
nona	2%	1%	4%	3%	2%	1%	2%
deca	0%	0%	0%	0%	0%	0%	0%

Table 13. Summary of All Data (bl

Field ID	5 CORE Whole Fish	2 CORE	3 CORE	4 CORE	5 CORE	05sedvar1	05sedvar2	05sedvar3	05sedvar4
Collected	Spring 2002	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001	Fall 2001
Matrix	Fish	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Species	White Perch								
Zone	5	2	3	4	5	5	5	5	5
Description	Whole Fish								
Replicate analysis?									
Analyzed by	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS
Fish Mass (g)									
Fish Length (mm)									
Fish Sex									
fish Age (yrs)									
Fish/Invert. Lipid Content (%)	4.3%								
Sediment % Solid		41	40	61	60	46	52	75	81
Sediment % Water		59	60	39	40	54	48	25	19
Sediment % Carbon		3.685	6.266	4.173	1.089	1.981	1.791	0.187	0.113
Concentrations (ng/g wet biota or ng/g dry se									
1			0.23	0.38					
3				0.66	0.47				
4,10									
7,9									
6	0.05	0.08	0.10	0.04	0.02	0.01		0.00	0.00
8,5	0.86	0.80	0.54	0.39	0.18	0.07			
19	0.46	0.07	0.15	0.06	0.02	0.02			
12,13		0.02	0.14	0.03	0.03		0.00	0.00	
18	1.08	0.23	1.43	0.40	0.17	0.13	0.35		0.08
17	1.10	0.39	0.75	0.34	0.05	0.03	0.02	0.01	0.01
24	0.23								
16,32	2.44	0.36	1.12	0.35	0.05				
29				0.00	0.00				
26	1.01	0.02	0.44	0.20	0.03	0.01	0.02	0.01	0.00
25	0.66		0.29	0.13	0.08	0.07	0.08		0.03
31, 28	2.92	0.96	6.45	2.08	0.24			0.04	
33,21,53		0.45	2.20	0.66	0.08	0.04	0.04	0.02	
51	2.60	0.07	0.28	0.09	0.01	0.00	0.00	0.01	0.00
22	1.54	0.23	1.02	0.33	0.07		0.14		
45	1.25	0.15	0.51	0.17	0.04		0.01		
46	0.64	0.09	0.25	0.08	0.01		0.01	0.01	
52	12.48	1.29	3.71	1.32	0.14	0.09	0.08	0.06	0.04
49	13.12	0.94	3.22	1.11	0.18	0.07	0.05	0.07	0.03
47,48	19.53	1.11	4.33	1.31	0.18	0.16	0.15	0.14	0.07
44	10.34	0.97	4.02	1.26	0.12				
37,42	5.79	0.56	2.39	0.77	0.10			0.04	0.02
41,64,71	19.48	0.93	5.22	1.55	0.19	0.17	0.12	0.05	0.01
40	3.36	0.20	0.72	0.24	0.03				
100	4.02		0.12	0.12					
63	0.97		0.15	0.09					
74	10.41	0.39	2.42	0.75	0.06	0.04	0.02	0.02	0.01
70,76	22.45	1.73	7.09	2.54	0.19	0.05	0.03	0.08	0.04

Field ID	5 CORE Whole Fish	2 CORE	3 CORE	4 CORE	5 CORE	05sedvar1	05sedvar2	05sedvar3	05sedvar4
66,95	39.91	4.64	16.42	5.40	0.46	0.14	0.15	0.22	0.08
91	6.70	0.28	0.63	0.26	0.04		0.01	0.01	0.01
56,60/92,84	30.17	2.31	7.87	3.31	0.74			0.24	
89									
101	27.39	1.65	3.82	1.43	0.15			0.06	0.03
99	19.04	0.93	1.67	0.70	0.09		0.03	0.03	0.02
119									
83	7.81	0.14	0.22	0.11	0.02			0.01	
97	7.79	0.59	0.86	0.39	0.05			0.02	
81,87	9.74		0.26	0.19					
85		0.27	0.55	0.22	0.03				
136	4.24	0.22	0.67	0.20	0.04			0.01	
77,110	56.21	3.15	6.09	2.59	0.22	0.07		0.10	0.05
82, 151	20.53	1.11	3.03	0.96	0.08	0.03	0.01	0.03	0.02
135,144	9.99	0.55	1.53	0.49	0.05	0.01		0.02	0.01
107	5.24	0.15	0.40	0.14	0.02	0.01	0.01	0.01	0.00
123,149	36.43	2.32	7.49	2.17	0.21	0.06		0.08	0.04
118	31.04	1.85	3.12	1.37	0.12			0.04	0.03
134	33.95	0.02	0.04	0.02	0.03				
146	23.93	0.25	0.55	0.22	0.06				
132,105,153	108.81	4.59	15.90	4.41	0.37	0.13		0.16	0.10
141	5.48	0.39	1.22	0.35	0.06	0.02		0.01	0.01
137,130,176		0.23	0.61	0.19	0.02	0.01	0.01	0.01	0.01
163,138	90.57	4.93	14.17	4.15	0.30	0.16	0.11	0.15	0.07
158	9.18	0.04	0.07	0.03					
129,178	9.03	0.39	0.96	0.31	0.07	0.05	0.02	0.01	0.01
187,182	34.13	1.63	4.40	1.30	0.38			0.10	0.08
183	19.61	0.76	2.66	0.69	0.18	0.06	0.05	0.03	0.02
128	12.50	0.29	0.53	0.19	0.03	0.02	0.02	0.01	0.00
185	3.49	0.22	0.46	0.14	0.03				0.01
174	13.62	0.91	3.35	0.92	0.14			0.03	0.02
177	8.28	0.91	2.60	0.75	0.08	0.03	0.07	0.03	0.02
202,171,156	16.29	0.81	3.50	0.86	0.57	0.02	0.02	0.03	0.02
157,200	6.77	0.31	0.93	0.25	0.39				0.01
172,197	5.51	0.16	0.43	0.13	0.04			0.03	
180	56.37	3.28	12.60	3.26	0.24	0.04	0.02	0.11	0.06
193	61.57	0.26	0.92	0.21	0.03				0.00
191	0.84	0.04	0.15	0.05	0.01				0.00
199		0.08	0.25	0.07	0.05	0.01	0.01	0.00	0.00
170,190	43.67	2.45	9.01	2.40	0.20	0.04	0.02	0.08	0.05
198	0.93	0.08	0.47	0.11	0.15			0.00	0.01
201	23.39	2.63	9.35	2.20	3.08	0.05	0.02	0.08	0.06
203,196	28.41	3.25	9.03	2.16	2.44	0.05	0.03	0.08	0.06
189	0.88	0.12	0.33	0.10	0.03		0.03	0.01	0.01
208,195		0.75	2.46	0.58	0.49				
207	3.46	0.21	1.94	0.41	1.13			0.02	0.01
194	9.38	1.57	2.96	0.78	0.25	0.01	0.01	0.03	0.02
205	0.46	0.09	0.15	0.04	0.04				
206	42.53	5.58	31.16	6.97	21.44	0.20	0.08	0.30	0.25
209	3.16	0.17	4.52	0.93	1.68	0.02	0.01	0.04	0.03

Field ID	5 CORE Whole Fish	2 CORE	3 CORE	4 CORE	5 CORE	05sedvar1	05sedvar2	05sedvar3	05sedvar4
T PCBs (ng/g wet weight)	**1127.26**	**69.65**	**241.61**	**72.55**	**39.06**	**2.21**	**1.88**	**2.82**	**1.53**
Lipid Normalized (ng/g lipid)	**26479**								
Organic Carbon Normalized for Sediment (ng/g OC)		**1890.03**	**3855.83**	**1738.52**	**3586.87**	**111.60**	**104.91**	**1506.55**	**1357.46**
Recovery									
14	98%	129%	128%	148%	131%	123%	115%	99%	117%
65	71%	107%	95%	116%	109%	106%	98%	86%	103%
166	68%	109%	105%	121%	120%	116%	108%	92%	113%
Distribution of Homologue Groups (in ng/g									
mono	0	0	0	1	0	0	0	0	0
di	1	1	1	0	0	0	0	0	0
tri	14	3	14	5	1	0	1	0	0
tetra	155	12	46	16	2	1	1	1	0
penta	272	14	36	14	2	0	0	1	0
hexa	312	14	44	13	2	0	0	0	0
hepta	191	8	29	8	1	0	0	0	0
octa	38	5	16	4	4	0	0	0	0
nona	46	6	33	7	23	0	0	0	0
deca	3	0	5	1	2	0	0	0	0
total	1031	64	224	68	36	2	2	3	1
Percent Homologue Distribution (with mor									
mono	0.00	0.00	0.00	0.02	0.01	0%	0%	0%	0%
di	0.00	0.01	0.00	0.01	0.01	4%	0%	0%	0%
tri	0.01	0.04	0.06	0.07	0.02	13%	35%	3%	10%
tetra	0.15	0.19	0.21	0.23	0.05	32%	32%	27%	18%
penta	0.26	0.23	0.16	0.20	0.04	10%	7%	22%	15%
hexa	0.30	0.22	0.20	0.19	0.05	21%	10%	17%	18%
hepta	0.19	0.13	0.13	0.12	0.02	5%	8%	11%	12%
octa	0.04	0.08	0.07	0.06	0.12	4%	2%	5%	6%
nona	0.04	0.09	0.15	0.11	0.63	10%	5%	12%	19%
deca	0.00	0.00	0.02	0.01	0.05	1%	1%	1%	2%
Percent Homologue Distribution (w/o mon									
di	0%	1%	0%	1%	1%	4%	0%	0%	0%
tri	1%	4%	6%	7%	2%	13%	35%	3%	10%
tetra	15%	19%	21%	23%	5%	32%	32%	27%	18%
penta	26%	23%	16%	20%	4%	10%	7%	22%	15%
hexa	30%	22%	20%	19%	5%	21%	10%	17%	18%
hepta	19%	13%	13%	12%	2%	5%	8%	11%	12%
octa	4%	8%	7%	6%	12%	4%	2%	5%	6%
nona	4%	9%	15%	11%	64%	10%	5%	12%	19%
deca	0%	0%	2%	1%	5%	1%	1%	1%	2%

Table 13. Summary of All Data (bl

Field ID	2 CORE	3 CORE	4 CORE	5 CORE	02sed3 var1	02sed3 var2	02sed3 var3
Collected	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002	Spring 2002
Matrix	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Species							
Zone	2	3	4	5	2	2	2
Description							
Replicate analysis?							
Analyzed by	ANS	ANS	ANS	ANS	ANS	ANS	ANS
Fish Mass (g)							
Fish Length (mm)							
Fish Sex							
fish Age (yrs)							
Fish/Invert. Lipid Content (%)							
Sediment % Solid	63	74	60	63	46	62	52
Sediment % Water							
Sediment % Carbon	0.769	4.590	1.690	1.519	2.315	5.332	3.613
Concentrations (ng/g wet biota or ng/g dry se							
1	0.20	0.15	1.43			0.73	0.75
3	1.19				1.19		
4,10	0.05	0.09	0.03	0.06	0.06		
7,9	0.05	0.03	0.02	0.38	0.09	0.05	
6	0.08	0.12	0.05	0.03	0.27	0.03	0.05
8,5	0.97	0.79	0.67	0.59	1.66	0.54	0.33
19	0.25						
12,13	0.06	0.05	0.10	0.07	0.10		
18	0.81	4.37	0.26			0.47	
17	0.47	1.05	0.55	0.13	0.89	0.42	0.34
24	0.05	0.05	0.04	0.03	0.11	0.02	0.04
16,32	0.40	1.56	0.26		0.79	0.31	0.39
29	0.02	0.04	8.81		0.02		0.02
26		1.60	0.32				
25		1.71					
31, 28	0.42	7.95	3.55	0.29	0.63	0.36	0.29
33,21,53	0.22	1.86	0.35		0.27	0.16	0.14
51	0.11	1.31	0.21	0.06	0.23	0.07	0.16
22	0.25	1.65	0.72		0.42	0.21	0.29
45	0.08	0.93	0.20	0.04	0.05	0.20	
46	0.12	0.31	0.03	0.02	0.38	0.01	0.08
52	0.40	3.92	1.00	0.20	0.67	0.48	0.48
49	0.45	4.01	1.06	0.26	0.81	0.59	0.78
47,48	1.21	4.54	2.14	0.86	1.82	0.82	1.52
44	0.32	5.18	0.95	0.14	0.49	0.34	0.36
37,42	0.20	2.94	0.62	0.10	0.36	0.25	0.22
41,64,71	0.68	5.92	0.74	0.10	1.23	0.50	0.58
40	0.20	1.74	0.32	0.05	0.39	0.12	0.34
100	0.03	0.05	0.07	1.95		0.03	0.06
63	0.03	0.05	0.25	0.05	0.04		0.09
74	0.22	2.68	0.64	0.06	0.40	0.26	0.32
70,76	0.62	6.74	3.39	0.22	1.11	0.68	0.61

Field ID	2 CORE	3 CORE	4 CORE	5 CORE	02sed3 var1	02sed3 var2	02sed3 var3
66,95	0.72	14.66	2.86	0.35	1.10	0.63	0.71
91	0.18	0.89	3.11	0.53	0.29	0.23	0.18
56,60/92,84	1.20	8.50	1.49	0.66	1.84	1.21	1.88
89							
101	0.49	3.57	0.96	0.16	0.73	0.43	0.59
99	0.28	1.59	0.54	0.12	0.58	0.24	0.40
119							
83	0.11	1.43	0.88	0.08	0.17	0.14	0.14
97	0.16	0.74	0.12	0.08	0.25	0.10	0.19
81,87	0.23	0.79	0.56	0.07	0.33	0.18	0.25
85		2.18	1.15	0.71			
136		1.30	0.45				
77,110	1.23	5.31	2.33	0.45	1.97	0.65	1.25
82, 151	0.26	2.11	0.83	0.10	0.49	0.30	0.46
135,144	0.12	1.08	0.55	0.11	0.22	0.13	0.14
107	0.07	0.67	0.39	0.08	0.10	0.10	0.11
123,149	0.69	4.19	1.31	0.38	0.96	0.54	0.68
118	0.54	3.02	0.88	0.36	0.86	0.40	0.52
134	0.75	2.56	0.81	0.45	1.51	3.04	1.57
146	0.23	1.56	0.60	0.20	0.33	0.16	0.18
132,105,153	1.73	11.10	3.30	0.74	2.47	1.23	1.77
141	0.12	0.86	0.47	0.09	0.22	0.13	0.22
137,130,176	0.16		0.22				0.14
163,138	1.25	7.91	2.46	0.50	2.38	1.10	1.57
158		1.10					
129,178		1.86					
187,182	0.41	3.05	0.79	0.42	0.82	0.53	0.67
183	0.20	2.28	0.50	0.23	0.39	0.20	0.32
128	0.22	0.88	0.35	0.07	0.28	0.17	0.29
185	0.08	0.23	0.12	0.03	0.14	0.15	0.16
174	0.26	2.52	0.75	0.13	0.54	0.25	0.33
177	0.18	1.53	0.53	0.10	0.34	0.18	0.29
202,171,156	0.25	1.78	0.56	0.73	0.48	0.25	0.37
157,200	0.13	0.99		0.32	0.21	0.06	0.07
172,197		0.88					
180	1.24	5.65	1.22		1.31	0.67	0.73
193	1.81	0.63	0.55	0.16	3.25	1.38	2.73
191	0.03	0.97	0.38	0.03		0.01	
199		1.76	0.42				
170,190	0.62	3.50	1.18	0.20	1.11	0.63	0.65
198	0.08	2.21	1.31	0.26	0.07	0.26	0.31
201	0.39	4.21	2.18	3.80	0.80	0.48	0.44
203,196	0.41	4.07	2.28	2.73	0.88	0.49	0.47
189	0.03	5.20	5.21	0.08		0.02	0.01
208,195	0.34	4.58	1.01	1.08	0.72	0.36	
207	0.04	1.03	0.26	0.80	0.07	0.04	0.04
194	0.65	2.21	16.56	0.34	1.35	0.19	0.23
205	0.14		38.23	0.09			
206	0.47	6.64	13.66	1.60	0.71	0.47	0.29
209	0.06	1.29	1.40	3.25	0.10	0.02	0.03

Field ID	2 CORE	3 CORE	4 CORE	5 CORE	02sed3 var1	02sed3 var2	02sed3 var3
T PCBs (ng/g wet weight)	**28.68**	**200.45**	**144.47**	**28.31**	**44.88**	**25.41**	**29.61**
Lipid Normalized (ng/g lipid)							
Organic Carbon Normalized for Sediment (ng/g OC)	**3729.79**	**4367.11**	**8551.34**	**1863.70**	**1938.76**	**476.51**	**819.54**
Recovery							
14	106%	69%	139%	139%	108%	114%	114%
65	91%	64%	79%	87%	96%	98%	94%
166	87%	65%	90%	110%	100%	104%	99%
Distribution of Homologue Groups (in ng/g							
mono	1	0	1	0	1	1	1
di	1	1	1	1	2	1	0
tri	3	22	15	0	3	2	2
tetra	6	51	14	3	9	5	7
penta	5	38	12	3	9	7	7
hexa	4	32	10	3	7	3	5
hepta	4	21	10	1	7	3	5
octa	2	15	60	6	3	1	1
nona	1	8	14	2	1	1	0
deca	0	1	1	3	0	0	0
total	27	190	138	22	42	24	28
Percent Homologue Distribution (with mor							
mono	0.05	0.00	0.01	0.00	3%	3%	3%
di	0.04	0.01	0.01	0.05	5%	3%	1%
tri	0.11	0.12	0.11	0.02	8%	8%	6%
tetra	0.20	0.27	0.10	0.12	22%	22%	24%
penta	0.20	0.20	0.09	0.15	21%	28%	26%
hexa	0.16	0.17	0.07	0.12	16%	15%	18%
hepta	0.15	0.11	0.07	0.03	15%	13%	17%
octa	0.06	0.08	0.43	0.26	7%	6%	4%
nona	0.02	0.04	0.10	0.11	2%	2%	1%
deca	0.00	0.01	0.01	0.14	0%	0%	0%
Percent Homologue Distribution (w/o mon							
di	5%	1%	1%	5%	5%	3%	1%
tri	11%	12%	11%	2%	8%	9%	6%
tetra	22%	27%	10%	12%	23%	23%	25%
penta	21%	20%	9%	15%	22%	29%	26%
hexa	17%	17%	7%	12%	17%	15%	19%
hepta	16%	11%	7%	3%	16%	14%	18%
octa	6%	8%	44%	26%	7%	6%	4%
nona	2%	4%	10%	11%	2%	2%	1%
deca	0%	1%	1%	14%	0%	0%	0%

Table 14. Results from the variability studies.

White Perch Variability Study (Fall Only;Zone 5 Only)							Calculated Mean of Individual Fillets	Std. Dev. of Calc. Mean
Zone 5 Variability 1								
	White Perch F1	White Perch F2	White Perch F3	White Perch F4	White Perch F5			
Conc (ng/g wet wgt)	**568**	**693**	**255**	**115**	**291**		**384**	**± 238**
Conc (ng/g lipid)	**9908**	**24935**	**3690**	**2353**	**7822**		**9742**	**± 9024**
Zone 5 Variability 2								
	White Perch F1	White Perch F2	White Perch F3	White Perch F4	White Perch F5	White Perch F6		
Conc (ng/g wet wgt)	**401**	**327**	**134**	**1079**	**83**	**277**	**383**	**± 399**
Conc (ng/g lipid)	**5899**	**12820**	**2825**	**21024**	**3353**	**19501**	**10904**	**± 7724**
Zone 5 Variability 3								
	White Perch F1	White Perch F2	White Perch F3	White Perch F4	White Perch F5			
Conc (ng/g wet wgt)	**1136**	**269**	**320**	**341**	**1160**		**645**	**± 460**
Conc (ng/g lipid)	**36874**	**10924**	**no lipid deter.**	**11306**	**22794**		**20474**	**± 12242**
Catfish Variability Study (Fall and Spring, Zones 2,4&5)								
Zone 2 (Fall)	Catfish Fillet 1	Catfish Fillet 2	Catfish Fillet 3	Catfish Fillet 4	Catfish Fillet 5			
Conc (ng/g wet wgt)	**509**	**379**	**836**	**384**	**778**		**577**	**± 217**
Conc (ng/g lipid)	**9908**	**22543**	**13575**	**12651**	**22306**		**16197**	**± 5844**
Zone 4 (Fall)	Catfish Fillet 1	Catfish Fillet 2	Catfish Fillet 3	Catfish Fillet 4	Catfish Fillet 5			
Conc (ng/g wet wgt)	**743**	**599**	**410**	**710**	**304**		**553**	**± 191**
Conc (ng/g lipid)	**17832**	**25630**	**6839**	**26418**	**11802**		**17704**	**± 8539**
Zone 5 (Fall)	Catfish Fillet 1	Catfish Fillet 2	Catfish Fillet 3	Catfish Fillet 4	Catfish Fillet 5			
Conc (ng/g wet wgt)	**362**	**116**	**942**	**414**	**201**		**407**	**± 322**
Conc (ng/g lipid)	**6279**	**6350**	**15135**	**16086**	**7396**		**10249**	**± 4926**
Spring								
Zone 2 (Spring)	Catfish Fillet 1	Catfish Fillet 2	Catfish Fillet 3	Catfish Fillet 4	Catfish Fillet 5	Catfish Fillet 6		
Conc (ng/g wet wgt)	**1186**	**796**	**505**	**739**	**1030**	**554**	**802**	**± 264**
Conc (ng/g lipid)	**19102**	**11731**	**9422**	**10754**	**54100**	**15003**	**20019**	**± 18869**
Zone 4 (Spring)	Catfish Fillet 1	Catfish Fillet 2	Catfish Fillet 3	Catfish Fillet 4	Catfish Fillet 5			
Conc (ng/g wet wgt)	**623**	**636**	**382**	**721**	**775**		**627**	**± 151**
Conc (ng/g lipid)	**22286**	**35660**	**7112**	**29132**	**26680**		**24174**	**± 10694**
Zone 5 (Spring)	Catfish Fillet 1	Catfish Fillet 2	Catfish Fillet 3	Catfish Fillet 4	Catfish Fillet 5			
Conc (ng/g wet wgt)	**626**	**290**	**463**	**145**	**328**		**370**	**± 182**
Conc (ng/g lipid)	**25461**	**10488**	**9091**	**4346**	**8602**		**11598**	**± 8082**

Table 15. Bioconcentration (BCF) factors and biota-sediment accumulation (BSAF) factors for total PCB concentrations in biota collected in the Delaware River estuary in Fall 2001 and Spring 2002. Average log BCFs and BSAFs are reported with standard deviations, SD.

Organism		Total BCF	Total Log BCF	Average Log BCF±SD	Total BSAF	Average BSAF±SD
Channel Catfish						
Fall	Zone 2	10,700,000	7.0	7.0 ± 0.1	6.5	6.3 ± 3.1
	Zone 3	9,900,000	7.0		5.6	
	Zone 4	12,000,000	7.1		9.2	
	Zone 5	17,000,000	7.2		2.1	
Spring	Zone 2	8,500,000	6.9		10.0	
	Zone 3	10,900,000	7.0		5.2	
	Zone 4	11,900,000	7.1		2.2	
	Zone 5	9,800,000	7.0		9.4	
White Perch						
Fall	Zone 2	10,300,000	6.9	7.0 ± 0.2	6.2	6.1 ± 5.0
	Zone 3	8,200,000	6.8		4.6	
	Zone 4	6,700,000	6.7		5.2	
	Zone 5	5,000,000	6.9		0.6	
Spring	Zone 2	8,700,000	6.9		10.4	
	Zone 3	7,700,000	7.0		3.7	
	Zone 4	10,200,000	7.2		1.9	
	Zone 5	17,000,000	7.2		16.2	
Prey Fish						
Fall	Zone 2	NS		7.0 ± 0.2	NS	5.3 ± 3.0
	Zone 3	10,200,000	7.0		5.8	
	Zone 4	12,700,000	7.1		9.8	
	Zone 5	7,500,000	6.9		0.9	
Spring	Zone 2	3,700,000	6.6		4.4	
	Zone 3	16,000,000	7.2		7.6	
	Zone 4	14,200,000	7.2		2.7	
	Zone 5	6,000,000	6.8		5.7	
Invertebrates						
Fall	Zone 2	6,200,000	6.8	6.9 ± 0.3	3.7	5.8 ± 5.1
	Zone 3	12,200,000	7.1		6.9	
	Zone 4	15,200,000	7.2		11.7	
	Zone 5	13,000,000	7.1		1.6	
Spring	Zone 2	12,700,000	7.1		14.8	
	Zone 3	4,100,000	6.6		2.0	
	Zone 4	2,500,000	6.4		0.5	
	Zone 5	5,700,000	6.8		5.4	

NS = Not Sampled