

Table 1. List of species collected in the 1999 Hudson River PCB project.

Code	Common name or description	Scientific nomenclature
ALW	Alewife	<i>Alosa pseudoharengus</i>
AMEL	American eel	<i>Anguilla rostrata</i>
ANED	Atlantic needlefish	<i>Strongylura marina</i>
AS	American shad	<i>Alosa sapidissima</i>
ATTC	Atlantic tomcod	<i>Microgadus tomcod</i>
ATSVS	Atlantic silverside	<i>Menidia menidia</i>
BAYAN	Bay anchovy	<i>Anchoa mitchilli</i>
BB	Brown bullhead	<i>Ameiurus nebulosus</i>
BCRAB	Blue crab	<i>Callinectes sapidus</i>
BGILL	Bluegill	<i>Lepomis macrochirus</i>
BLC	Black crappie	<i>Pomoxis nigromaculatus</i>
BLUE	Bluefish	<i>Pomatomus saltatrix</i>
CARP	Carp	<i>Cyprinus carpio</i>
CDFLY	Case-making caddis fly species larvae	Trichoptera spp.
CHC	Channel catfish	<i>Ictalurus punctatus</i>
CHP	Chain pickerel	<i>Esox niger</i>
CRAY	Crayfish Spp.	Decapoda / Astacidae
DMSFL	Damselfly larvae	Suborder Zygoptera
DRUM	Freshwater drum	<i>Aplodinotus grunniens</i>
EMRSH	Emerald shiner	<i>Notropis atherinoides</i>
EWORM	Earthworm	Order Lumbriculida
FALLF	Fallfish	<i>Semotilus corporalis</i>
GIZ	Gizzard shad	<i>Dorosoma cepedianum</i>
GLDF	Goldfish	<i>Carassius auratus</i>
GOSH	Golden shiner	<i>Notemigonus crysoleucas</i>
GRCAD	Web-spinning Caddis fly species larvae	Hydropsychidae spp.
GSHMP	Grass shrimp	<i>Palaemonetes pugio</i>
HELLG	Hellgramite Spp.	Corydalidae spp.
HOGCH	Hogchoker	<i>Trinectes maculatus</i>
HSNL	Helisoma spp. - snail	Planorbidae spp.
LMB	Largemouth bass	<i>Micropterus salmoides</i>
MEN	Menhaden	<i>Brevoortia tyrannus</i>
MIN	Banded killifish	<i>Fundulus diaphanus</i>
MUM	Mummichog	<i>Fundulus heteroclitus</i>
NOP	Northern pike	<i>Esox lucius</i>
ODON	Dragonfly larvae	Odonata spp.
PKSD	Pumpkinseed	<i>Lepomis gibbosus</i>
PSNL	Physa spp. - snail	Physidae spp.
RB	Rock bass	<i>Ambloplites rupestris</i>
RBRS	Redbreast sunfish	<i>Lepomis auritus</i>
RHWS	Lymnaeid spp. - snail	Lymnaeid spp.
SMB	Smallmouth bass	<i>Micropterus dolomieu</i>
STB	Striped bass	<i>Morone saxatilis</i>
SUFL	Summer flounder	<i>Paralichthys dentatus</i>
SUN	Sunfish spp	<i>Lepomis spp.</i>
TDART	Tesselated darter	<i>Etheostoma olmstedii</i>
TML	Tiger muskellunge	<i>Esox masquinongy</i> X <i>E. lucius</i>
UCLAM	Unionid spp. - clam	Unionid spp.
WC	White catfish	<i>Ameiurus catus</i>
WEAK	Weakfish	<i>Cynoscion regalis</i>
WEYE	Walleye	<i>Stizostedion vitreum</i>
WP	White perch	<i>Morone americana</i>
WS	White sucker	<i>Catostomus commersoni</i>
YB	Yellow bullhead	<i>Ameiurus natalis</i>

Table 2. Expanded text for location names appearing in tables and figures and the approximate distance from the mouth of the Hudson River measured in miles from Battery Park in New York City. Unique tenth of mile designations are not precise and are primarily used to distinguish clustered locations from each other.

LOCATION	River mile
Sanford Lake (2000 collection for comparison).	301
NiMo Queensbury Site 5 - NiMo site furthest upstream of contamination.	212
NiMo Queensbury Site 4 - Upstream of contamination.	211.2
NiMo Queensbury Site 2 - Directly across the River from contamination.	210.1
NiMo Queensbury Site 1 - Location of contamination.	210
NiMo Queensbury Site 3 - Downstream from contamination.	209.5
Above the Glens Falls Feeder Dam - Reference site.	204.2
Ciba-Geigy site in Kingsbury - Reference site.	197.3
Feinmore Bridge - West of little island.	196.3
Feinmore Bridge - East of little island.	196.2
GE Pump House - Just above the Bakers Falls Dam.	196.1
Above the 004 outfall from GE's Ft. Edward Plant.	195.8
At the 004 outfall from GE's Ft. Edward Plant.	195.7
Remnant 3 N - North end on East bank.	195.6
Remnant 2 N - North end on West bank	196
Remnant 2 S - South end on West bank.	195.5
Remnant 3 M - Middle of the deposit on East bank.	195.4
Remnant 3 S - South end on East bank.	195.3
Remnant 4 N - North end on West bank.	195
Remnant 5 N - North end on East Bank.	194.3
Remnant 4 S - South end on West bank.	194.4
Remnant 5 S - South end on East bank.	194.1
Fort Edward	
Fort Edward - Rodgers Island - Eastern channel.	193.2
Thompson Island Pool (TIP) - At Special Area 13 , near a former sediment disposal area.	192.1
TIP - Griffin Island - Eastern side of River. - PKSD only.	189.4
TIP - Griffin Island - Western backwater area behind the Island.	189.1
Fort Miller Pool - Above lock C6 near Galusha Island.	186
Northumberland Pool - Below lock C6 at Hot Spot 28.	185.1
Coveville - In the Stillwater Pool.	176
Stillwater - East side of the River. - PKSD only.	167.7
Stillwater - West side of the River near the Admiral's Marina.	167.7
Mechanicville - Above lock C4.	165.6
Below Mechanicville - Above Lock C2.	162.1
Above Waterford - Between locks C1 and C2	160.8
Waterford - Below Lock C1.	158.5
Waterford - At the outfall from GE Silicones.	157.9
Pleasantdale - Below the GE Silicones outfall.	157
Troy - below the Federal Dam.	153.2
Albany - South Turning Basin - PKSD only.	142
Shad Island	137
Schodack Landing	132.7
Stockport Middle Grounds	122.1
Catskill	113

Table 2. (continued)

Location	River mile
Tivoli Bay	100
Esopus Meadows	88.2
Poughkeepsie - above Marist College.	77.5
Poughkeepsia - at Marist College.	76.8
Poughkeepsie - General sampling location.	75.7
Blue Point - STB only.	73.1
Newburgh Bay - General sampling location.	60
Newburgh Bay - Denning Point - PKSD only.	59.5
Constitution Island - West Foundry Cove.	54.3
Constitution Island - South Cove.	52.3
Iona Island	47
Stony Point - STB only.	40.1
Croton Bay - STB only.	34.2
Tappan Zee Bridge	27
Piermont Marsh	24.8
Above Dobbs Ferry	23.2
Dobbs Ferry	23.1
Hastings-on-Hudson	22.1
Harbor at Hastings - between the Marina and the Park.	21.9
Harbor at Hastings - Abandoned Marina.	21.3
Harbor at Hastings - North Slip	21.2
Harbor at Hastings - South Slip	21.1
Above the George Washington Bridge - STB only.	13

Table 3. Summary of PCB concentrations in aquatic organisms collected from the Hudson River in 1999.

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
above George Washington Bridge (13)	Spring Striped bass**	40 (40)	4.20 (0.67 - 9.05)	654 (500 - 990)	3169 (1520 - 10546)	0.69 (0.17 - 1.48)	19.51 (4.54 - 53.81)
Hastings - South slip (21)	Alewife	1	1.08	110	11	1.21	112.04
	Grass shrimp	12 (2)	1.30 (1.11 - 1.44)	-	4 (3 - 5)	0.44 (0.36 - 0.55)	35.15 (25.00 - 49.37)
	Mummichog	1	2.19	81	6	0.71	32.42
	Striped bass	10 (10)	1.26 (0.67 - 2.17)	117 (79 - 238)	23 (5 - 128)	1.34 (0.48 - 2.50)	108.68 (58.64 - 208.33)
	White perch	6 (6)	3.23 (2.84 - 3.75)	89 (82 - 96)	10 (7 - 12)	1.52 (1.37 - 1.80)	47.51 (37.07 - 55.63)
Hastings - North slip (21)	Alewife	4 (4)	1.92 (1.37 - 2.40)	121 (116 - 127)	15 (13 - 17)	0.89 (0.79 - 0.97)	48.32 (40.42 - 64.96)
	American eel	2 (2)	18.25 (16.20 - 20.30)	652 (529 - 774)	691 (318 - 1064)	2.88 (2.08 - 3.68)	16.48 (10.25 - 22.72)
	Channel catfish	1	2.93	383	864	2.03	69.28
	Grass shrimp	15 (2)	1.42 (1.21 - 1.65)	-	5 (5 - 6)	0.34 (0.28 - 0.42)	24.10 (22.81 - 25.58)
	Striped bass	3 (3)	1.21 (0.78 - 1.84)	154 (108 - 220)	47 (12 - 108)	0.91 (0.51 - 1.12)	79.32 (60.33 - 112.00)
	Weakfish	1	0.52	150	28	0.18	35.00
	White perch	5 (5)	5.39 (2.90 - 6.67)	205 (190 - 215)	155 (108 - 185)	2.08 (1.21 - 3.29)	38.62 (33.04 - 49.32)
Hastings - Abandoned marina (21)	Atlantic silversides	43 (7)	1.04 (0.89 - 1.24)	80 (57 - 123)	3 (1 - 9)	0.94 (0.73 - 1.40)	92.37 (58.55 - 146.95)
	Channel catfish	1	4.18	234	406	1.67	39.95
	Grass shrimp	102 (6)	1.00 (0.81 - 1.46)	-	4 (3 - 7)	0.43 (0.12 - 1.04)	45.59 (11.48 - 106.02)
	Hogchoker	1	5.30	147	70	2.20	41.51
	Mummichog	2 (2)	2.86 (2.78 - 2.93)	76 (75 - 78)	5 (5 - 6)	7.69 (7.13 - 8.25)	270.05 (243.34 - 296.76)
	Striped bass	27 (7)	1.17 (0.88 - 1.57)	97 (67 - 157)	9 (3 - 36)	4.44 (0.61 - 7.83)	385.48 (69.32 - 738.68)
	Summer flounder	1	0.86	269	190	0.62	72.33
	Weakfish	1	0.49	162	40	0.38	77.96
	White perch	24 (8)	3.18 (1.89 - 7.92)	112 (77 - 250)	42 (6 - 260)	4.24 (2.04 - 6.07)	164.19 (39.16 - 273.42)
	Hastings - b/t marina and park (21)	Atlantic silversides	42 (5)	1.31 (1.05 - 1.60)	73 (59 - 102)	2 (1 - 6)	0.72 (0.48 - 0.97)
Banded killifish		8 (2)	3.16 (2.60 - 3.73)	62 (57 - 69)	2 (2 - 4)	1.36 (0.92 - 1.79)	41.69 (35.38 - 47.99)
Mummichog		2 (2)	2.96 (2.47 - 3.45)	124 (122 - 127)	21 (18 - 24)	0.66 (0.65 - 0.68)	22.98 (19.68 - 26.28)
Striped bass		3 (2)	1.04 (0.90 - 1.11)	78 (69 - 89)	3 (2 - 4)	0.65 (0.34 - 0.81)	61.35 (38.11 - 72.97)
Hastings-on-Hudson (22)	American shad	57 (6)	1.32 (1.03 - 1.78)	82 (68 - 94)	3 (2 - 5)	0.87 (0.62 - 1.35)	66.28 (54.60 - 116.38)
	Bluefish	2 (2)	0.80 (0.69 - 0.90)	145 (138 - 152)	25 (21 - 28)	0.57 (0.53 - 0.61)	72.23 (68.22 - 76.23)
	Bluegill	1	1.04	117	28	0.18	17.60
	Striped bass	8 (3)	1.27 (1.05 - 1.48)	124 (107 - 151)	19 (13 - 31)	0.94 (0.82 - 0.99)	75.29 (66.89 - 88.90)
	White perch	7 (4)	6.59 (3.89 - 10.60)	195 (182 - 229)	118 (82 - 220)	2.96 (2.20 - 3.71)	51.09 (20.76 - 79.69)
Dobbs Ferry (23)	Alewife	3 (1)	1.66	73	3	1.42	85.36
	American shad	14 (3)	1.07 (1.05 - 1.08)	79 (67 - 100)	3 (2 - 6)	0.87 (0.58 - 1.29)	81.83 (53.98 - 122.86)
	Bay anchovy	125 (2)	0.85 (0.83 - 0.88)	0 (0 - 0)	34 (31 - 36)	0.60 (0.58 - 0.61)	69.85 (65.91 - 73.49)
	Menhaden	30 (5)	0.99 (0.55 - 1.60)	117 (106 - 130)	14 (11 - 20)	0.50 (0.31 - 0.87)	53.85 (31.88 - 82.86)
	Striped bass	7 (4)	1.13 (0.98 - 1.53)	114 (85 - 161)	17 (7 - 46)	0.80 (0.71 - 1.04)	71.21 (64.64 - 80.71)
	White perch	1	7.40	191	96	3.56	48.07
	above Dobbs Ferry (23)	American shad	17 (3)	1.16 (1.06 - 1.32)	75 (62 - 97)	2 (2 - 5)	0.85 (0.62 - 1.14)
Bluefish	2 (2)	1.32 (1.31 - 1.33)	153 (151 - 155)	32 (32 - 33)	0.84 (0.75 - 0.92)	63.52 (57.56 - 69.47)	
Striped bass	10 (6)	1.16 (0.87 - 1.99)	108 (68 - 146)	16 (4 - 35)	0.91 (0.70 - 1.08)	80.97 (53.77 - 96.08)	
White perch	12 (4)	7.06 (6.30 - 7.66)	177 (157 - 193)	82 (56 - 106)	2.87 (2.50 - 3.35)	40.57 (38.51 - 45.09)	

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

** Striped bass collected during spring spawning activities or in the fall were legal size (>457mm total length). Smaller sizes taken during the summer as part of the supplemental sampling effort at specific locations.

Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Piermont Marsh (24)	American eel	6 (6)	9.50 (3.75 - 15.50)	555 (364 - 722)	424 (112 - 782)	1.67 (0.96 - 2.31)	19.82 (12.27 - 29.44)
	American shad	22 (5)	0.82 (0.74 - 0.93)	96 (87 - 113)	5 (4 - 10)	0.54 (0.43 - 0.71)	65.92 (58.11 - 76.34)
	Bluefish	4 (4)	0.56 (0.40 - 0.85)	158 (140 - 185)	36 (24 - 58)	0.39 (0.36 - 0.42)	78.08 (45.65 - 103.75)
	Carp	3 (3)	7.54 (6.47 - 8.19)	690 (607 - 757)	5683 (3680 - 7350)	4.66 (3.65 - 5.86)	62.20 (45.80 - 71.55)
	Gizzard shad	5 (5)	19.38 (12.80 - 28.40)	462 (439 - 477)	1328 (1132 - 1600)	6.47 (3.82 - 8.18)	33.44 (28.52 - 38.58)
	Menhaden	45 (5)	0.61 (0.57 - 0.69)	96 (83 - 125)	7 (5 - 16)	0.13 (0.10 - 0.28)	21.53 (15.32 - 40.72)
	Striped bass	18 (6)	1.12 (0.88 - 1.28)	137 (95 - 241)	28 (10 - 141)	0.67 (0.43 - 0.88)	59.35 (48.98 - 68.44)
	Summer flounder	1	0.95	333	424	0.40	42.42
	White catfish	4 (4)	3.34 (1.56 - 6.99)	368 (331 - 392)	730 (476 - 928)	1.60 (1.14 - 2.07)	67.01 (25.04 - 132.69)
	White perch	6 (6)	4.29 (3.76 - 4.88)	263 (223 - 291)	308 (194 - 414)	1.27 (0.91 - 1.68)	29.57 (22.81 - 34.43)
	Tappan Zee Bridge (27)	American eel	5 (5)	9.20 (2.96 - 15.30)	604 (505 - 714)	488 (240 - 700)	2.00 (1.04 - 3.08)
Channel catfish		1	7.47	263	300	2.07	27.71
White perch		22 (22)	2.58 (1.08 - 5.28)	194 (151 - 301)	122 (70 - 420)	1.94 (0.78 - 8.56)	72.94 (28.38 - 219.49)
Spring Striped bass**		41 (41)	4.76 (1.01 - 10.90)	694 (556 - 915)	3880 (1920 - 9320)	1.17 (0.29 - 13.29)	29.30 (4.62 - 347.91)
Fall Striped bass**		28 (28)	4.39 (0.44 - 13.90)	648 (432 - 885)	3072 (1100 - 6780)	0.66 (0.19 - 2.21)	19.04 (4.87 - 45.54)
Croton Bay (34)	Fall Striped bass**	38 (38)	3.72 (0.52 - 13.80)	636 (455 - 777)	3008 (1160 - 5500)	1.19 (0.12 - 4.41)	34.82 (9.86 - 95.76)
Stony point (40)	Spring Striped bass**	40 (40)	4.77 (1.64 - 8.99)	665 (515 - 955)	3437 (1450 - 8730)	1.28 (0.32 - 4.04)	31.38 (7.94 - 166.94)
Iona Island (47)	American eel	6 (6)	3.89 (1.35 - 11.80)	503 (319 - 660)	299 (58 - 688)	1.17 (0.56 - 2.09)	39.86 (17.71 - 55.42)
	Bluegill	1	1.23	103	16	0.04	3.66
	Carp	4 (4)	4.79 (1.44 - 7.55)	504 (199 - 684)	2568 (138 - 4764)	3.27 (0.58 - 5.94)	73.52 (34.36 - 162.29)
	Gizzard shad	5 (5)	22.34 (16.00 - 34.10)	443 (416 - 473)	1098 (826 - 1266)	8.70 (5.25 - 15.40)	43.68 (26.33 - 96.25)
	Menhaden	31 (4)	0.64 (0.47 - 0.67)	86 (79 - 115)	5 (4 - 13)	0.17 (0.11 - 0.28)	26.59 (17.34 - 56.38)
	Pumpkinseed	4 (4)	1.59 (0.87 - 2.50)	141 (134 - 151)	54 (48 - 64)	1.08 (0.73 - 1.73)	70.67 (60.67 - 91.95)
	White perch	5 (5)	3.74 (2.62 - 4.31)	236 (226 - 250)	200 (172 - 228)	1.34 (1.18 - 1.62)	36.48 (31.86 - 45.04)
Constitution Island (54) West Foundry Cove	American eel	7 (7)	8.48 (0.84 - 20.10)	498 (259 - 721)	359 (24 - 898)	2.96 (0.64 - 7.19)	44.75 (20.47 - 75.71)
	Brown bullhead	3 (3)	1.80 (1.39 - 2.26)	281 (256 - 299)	289 (210 - 358)	2.05 (1.65 - 2.69)	118.93 (73.01 - 152.84)
	Carp	7 (7)	2.39 (0.94 - 4.98)	282 (118 - 479)	613 (22 - 1512)	0.85 (0.28 - 2.01)	34.43 (30.21 - 40.36)
	Gizzard shad	6 (6)	14.57 (5.44 - 21.80)	316 (167 - 471)	596 (50 - 1242)	5.29 (2.39 - 8.87)	37.86 (27.89 - 52.48)
	Largemouth bass	2 (2)	1.92 (0.97 - 2.88)	452 (422 - 481)	1507 (1266 - 1748)	1.54 (0.85 - 2.23)	82.53 (77.43 - 87.63)
	Menhaden	30 (3)	0.50 (0.48 - 0.54)	87 (73 - 112)	6 (4 - 12)	0.10 (0.09 - 0.10)	19.61 (19.17 - 20.42)
	Pumpkinseed	5 (5)	1.59 (0.71 - 2.20)	146 (143 - 151)	59 (56 - 66)	1.12 (0.74 - 1.53)	75.31 (50.00 - 103.94)
	Redbreast sunfish	5 (5)	1.98 (0.51 - 3.20)	129 (105 - 150)	44 (22 - 70)	0.88 (0.27 - 1.47)	46.24 (31.69 - 70.67)
	Smallmouth bass	1	3.22	253	216	1.83	56.83
	White catfish	1	4.40	421	1122	6.34	144.04
	White perch	5 (5)	2.66 (1.80 - 3.37)	231 (204 - 257)	178 (118 - 246)	1.76 (1.32 - 2.24)	67.67 (50.19 - 86.98)
	Yellow perch	5 (5)	0.96 (0.80 - 1.27)	242 (217 - 296)	172 (124 - 312)	0.52 (0.39 - 0.67)	54.03 (40.16 - 68.37)

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Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Newburgh Bay- Denning Point (59)	Pumpkinseed	39 (39)	2.71 (0.82 - 4.56)	125 (66 - 166)	41 (5 - 88)	0.82 (0.34 - 1.54)	33.84 (12.54 - 75.24)
	Pumpkinseed (1)	5 (5)	3.46 (3.02 - 4.26)	122 (119 - 125)	34 (32 - 38)	1.12 (0.75 - 1.44)	32.79 (24.83 - 46.91)
	White perch	12 (12)	2.95 (2.29 - 4.55)	192 (145 - 279)	118 (40 - 372)	1.91 (0.87 - 3.86)	67.12 (33.63 - 138.85)
Newburgh Bay - General vicinity (60)	American eel	18 (18)	6.96 (0.50 - 14.90)	504 (222 - 772)	339 (20 - 1046)	3.05 (0.24 - 8.68)	61.06 (7.52 - 202.12)
	Brown bullhead	18 (18)	5.35 (1.50 - 8.32)	256 (230 - 284)	260 (180 - 314)	1.91 (0.93 - 2.91)	38.04 (24.96 - 67.04)
	Bluefish	10 (10)	1.51 (0.73 - 2.68)	180 (156 - 211)	42 (30 - 52)	1.19 (0.56 - 1.74)	86.24 (50.23 - 156.16)
	Channel catfish	1	6.80	305	380	2.91	42.79
	Pumpkinseed	3 (3)	1.45 (1.12 - 1.69)	114 (100 - 130)	30 (20 - 42)	0.87 (0.68 - 1.12)	60.33 (47.34 - 73.20)
	Rock bass	1	0.41	182	102	0.33	80.73
	Redbreast sunfish	5 (5)	1.31 (0.36 - 2.70)	154 (123 - 178)	78 (34 - 126)	0.78 (0.18 - 1.50)	59.32 (41.08 - 75.61)
	White catfish	3 (3)	4.47 (2.53 - 6.44)	410 (385 - 451)	1014 (830 - 1326)	5.90 (3.38 - 7.53)	134.67 (116.92 - 153.50)
	White perch	20 (20)	0.98 (0.23 - 2.95)	191 (163 - 256)	88 (58 - 204)	0.71 (0.17 - 1.58)	93.49 (17.66 - 330.56)
	Yellow perch	4 (4)	2.47 (0.75 - 4.72)	168 (123 - 215)	64 (22 - 110)	0.70 (0.24 - 1.15)	29.29 (24.36 - 32.94)
Poughkeepsie (75)	American eel	8 (8)	6.02 (0.92 - 11.00)	521 (311 - 635)	292 (54 - 482)	2.72 (0.32 - 4.72)	52.13 (20.57 - 84.00)
	Brown bullhead	6 (6)	4.92 (3.42 - 6.78)	258 (232 - 310)	250 (176 - 432)	1.68 (0.84 - 2.30)	35.96 (12.39 - 43.33)
	Channel catfish	2 (2)	13.10 (10.80 - 15.40)	452 (434 - 469)	956 (722 - 1190)	4.72 (4.25 - 5.18)	36.49 (33.64 - 39.35)
	Largemouth bass	1	0.81	389	872	1.00	123.46
	Pumpkinseed	5 (5)	0.84 (0.39 - 1.30)	148 (122 - 173)	66 (36 - 116)	0.50 (0.10 - 0.73)	55.43 (24.62 - 77.66)
	Redbreast sunfish	5 (5)	1.52 (0.66 - 3.44)	169 (164 - 176)	92 (74 - 108)	0.70 (0.56 - 0.87)	58.78 (23.23 - 85.61)
	Smallmouth bass	2 (2)	0.94 (0.37 - 1.50)	321 (278 - 364)	441 (254 - 628)	1.30 (0.68 - 1.93)	156.23 (128.67 - 183.78)
	White perch	20 (20)	1.23 (0.34 - 3.47)	184 (168 - 236)	83 (60 - 204)	0.83 (0.20 - 2.02)	74.31 (37.05 - 140.91)
	Yellow perch	10 (10)	0.89 (0.25 - 1.85)	210 (135 - 341)	135 (28 - 386)	0.38 (0.23 - 0.72)	61.98 (22.86 - 123.75)
	Spring Striped bass**	38 (38)	4.07 (0.52 - 6.99)	693 (536 - 1054)	4008 (1700 - 12956)	1.19 (0.24 - 7.38)	34.91 (5.32 - 163.64)
Poughkeepsie - at Marist College (76)	Bluegill	1	2.07	120	28	0.21	10.14
	Carp	3 (3)	7.76 (4.97 - 11.80)	623 (598 - 657)	3448 (2794 - 4074)	4.62 (3.10 - 7.07)	59.63 (56.62 - 62.37)
	Largemouth bass	16 (12)	1.17 (0.84 - 2.36)	140 (109 - 177)	37 (15 - 74)	1.06 (0.68 - 1.72)	94.81 (63.48 - 204.76)
	Banded killifish	3 (1)	1.66	90	7	0.89	53.86
	Pumpkinseed (0)	26 (12)	3.46 (2.69 - 4.49)	68 (57 - 83)	8 (3 - 19)	0.94 (0.55 - 1.54)	27.44 (18.55 - 51.63)
	Pumpkinseed (1)	4 (4)	2.66 (2.07 - 3.46)	117 (112 - 124)	27 (22 - 34)	1.69 (1.02 - 2.15)	63.23 (49.47 - 77.19)
	Pumpkinseed (2)	4 (4)	2.66 (2.14 - 3.22)	145 (124 - 158)	41 (7 - 66)	2.12 (1.53 - 2.82)	79.41 (68.94 - 98.26)
	Redbreast sunfish	1	1.57	145	46	0.88	56.05
	Smallmouth bass	2 (1)	1.59	104	13	1.26	79.24
	White perch	25 (11)	4.02 (2.00 - 5.61)	130 (65 - 207)	37 (4 - 120)	2.84 (1.52 - 4.51)	70.42 (47.50 - 86.51)
	Yellow perch	1	2.00	90	7	1.62	81.00
	Poughkeepsie - above Marist College (77)	Brown bullhead	4 (4)	3.01 (1.07 - 5.18)	263 (244 - 280)	233 (162 - 278)	1.63 (0.99 - 2.36)
Carp		8 (8)	4.58 (1.49 - 11.80)	311 (146 - 710)	1128 (46 - 5030)	1.91 (0.77 - 5.02)	38.67 (24.03 - 62.67)
Goldfish		5 (5)	3.19 (1.59 - 4.74)	170 (137 - 276)	142 (46 - 504)	0.87 (0.57 - 1.40)	29.90 (13.65 - 48.28)
Largemouth bass		7 (7)	1.08 (0.74 - 1.86)	155 (139 - 182)	49 (34 - 76)	1.44 (1.03 - 1.92)	138.36 (98.10 - 189.36)
Pumpkinseed		2 (2)	2.92 (2.29 - 3.54)	161 (159 - 163)	79 (78 - 80)	1.04 (0.94 - 1.13)	37.96 (26.58 - 49.34)
Pumpkinseed (0)		11 (7)	3.47 (2.92 - 5.01)	76 (66 - 85)	8 (5 - 11)	1.26 (0.62 - 1.59)	36.83 (20.74 - 51.96)
Pumpkinseed (1)		3 (3)	3.62 (2.83 - 4.59)	120 (114 - 124)	30 (24 - 34)	1.67 (1.51 - 1.87)	47.57 (40.74 - 57.95)
Pumpkinseed (2)		4 (4)	2.98 (2.01 - 4.08)	132 (113 - 141)	40 (20 - 48)	1.64 (1.41 - 1.98)	58.19 (42.14 - 71.84)
Smallmouth bass		1	0.67	133	24	0.81	120.60
White perch		31 (13)	3.34 (1.91 - 4.95)	105 (68 - 225)	24 (4 - 174)	2.01 (0.85 - 3.83)	60.18 (44.56 - 100.48)
Yellow perch		2 (2)	3.44 (2.07 - 4.80)	100 (99 - 101)	10 (9 - 11)	1.72 (1.13 - 2.30)	51.25 (47.92 - 54.59)

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

** Striped bass collected during spring spawning activities or in the fall were legal size (>457mm total length). Smaller sizes taken during the summer as part of the supplemental sampling effort at specific locations.

Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)	
Esopus Meadows (88)	American eel	3 (3)	9.34 (6.71 - 11.40)	686 (670 - 699)	628 (573 - 700)	5.38 (4.27 - 6.38)	62.68 (37.46 - 95.08)	
	Brown bullhead	1	5.17	240	180	1.91	36.94	
	Black crappie	2 (2)	4.58 (4.20 - 4.97)	235 (232 - 238)	241 (220 - 262)	0.87 (0.83 - 0.91)	19.18 (16.70 - 21.67)	
	Carp	3 (3)	7.38 (6.86 - 7.96)	631 (565 - 714)	3463 (2640 - 4660)	3.18 (1.85 - 4.66)	42.97 (26.97 - 63.75)	
	Gizzard shad	5 (5)	22.76 (11.70 - 28.90)	437 (399 - 466)	1023 (664 - 1266)	6.47 (3.69 - 10.93)	29.20 (14.89 - 41.72)	
	Largemouth bass	8 (8)	3.33 (1.73 - 5.78)	391 (341 - 445)	994 (662 - 1508)	1.60 (0.63 - 2.75)	52.33 (24.22 - 96.06)	
	Pumpkinseed	5 (5)	1.66 (1.07 - 2.22)	158 (150 - 166)	83 (68 - 96)	0.51 (0.32 - 0.80)	29.88 (24.35 - 36.04)	
	Striped bass	4 (4)	3.52 (2.51 - 4.64)	692 (535 - 784)	3670 (1640 - 5320)	0.68 (0.44 - 0.92)	19.01 (15.85 - 22.54)	
	Summer flounder	1	0.40	362	452	0.25	63.25	
	White perch	5 (5)	2.19 (0.75 - 3.45)	218 (196 - 243)	146 (104 - 192)	1.55 (0.51 - 2.89)	72.12 (37.68 - 113.78)	
	Yellow perch	7 (7)	0.98 (0.66 - 1.42)	226 (173 - 326)	169 (62 - 418)	0.37 (0.23 - 0.59)	38.04 (28.96 - 44.80)	
	Tivoli Bay (100)	American eel	5 (5)	8.61 (1.91 - 14.20)	577 (393 - 679)	454 (108 - 788)	2.76 (1.07 - 4.86)	45.74 (21.83 - 87.75)
		Atlantic needlefish	1	1.37	230	12	0.70	51.10
Brown bullhead		5 (5)	3.91 (0.98 - 5.98)	269 (234 - 281)	281 (176 - 342)	1.79 (1.17 - 2.60)	57.82 (37.29 - 119.39)	
Carp		3 (3)	7.38 (4.94 - 10.20)	547 (535 - 560)	2347 (2110 - 2820)	2.22 (1.97 - 2.45)	31.92 (24.02 - 39.88)	
Largemouth bass		6 (6)	2.52 (1.14 - 5.14)	376 (322 - 430)	810 (474 - 1252)	1.87 (0.69 - 3.35)	82.96 (33.19 - 168.42)	
Pumpkinseed		5 (5)	2.20 (1.31 - 3.83)	153 (124 - 164)	78 (40 - 96)	0.54 (0.35 - 0.87)	24.92 (18.72 - 32.17)	
Rock bass		1	1.21	201	164	0.76	62.81	
Redbreast sunfish		5 (5)	2.47 (1.39 - 4.14)	148 (130 - 169)	64 (44 - 92)	0.73 (0.22 - 1.28)	27.74 (15.97 - 35.71)	
Smallmouth bass		5 (5)	1.08 (0.68 - 1.70)	292 (266 - 343)	287 (200 - 474)	1.09 (0.66 - 1.63)	105.33 (70.59 - 154.32)	
Striped bass		1	0.45	429	714	0.83	184.44	
White perch		5 (5)	1.41 (0.75 - 2.00)	246 (226 - 270)	220 (158 - 264)	0.75 (0.44 - 1.16)	53.79 (40.74 - 66.67)	
Yellow perch		5 (5)	1.11 (1.05 - 1.20)	199 (184 - 217)	110 (62 - 218)	0.58 (0.38 - 0.83)	51.20 (36.04 - 69.75)	
Catskill (113)		American eel	3 (3)	4.82 (3.71 - 5.79)	345 (241 - 463)	89 (22 - 170)	1.00 (0.30 - 1.50)	19.37 (7.95 - 25.91)
	American shad	1	12.20	419	842	0.80	6.52	
	Brown bullhead	11 (11)	2.25 (1.40 - 3.40)	284 (252 - 321)	299 (122 - 578)	0.93 (0.35 - 1.40)	41.73 (20.83 - 64.29)	
	Freshwater drum	1	1.54	403	798	1.95	126.62	
	Largemouth bass	24 (24)	2.05 (0.30 - 3.51)	388 (302 - 480)	996 (472 - 1880)	2.17 (0.52 - 7.34)	113.25 (34.58 - 461.64)	
	Pumpkinseed	1	2.46	171	130	1.18	47.97	
	Smallmouth bass	5 (5)	2.35 (0.84 - 4.79)	374 (321 - 456)	799 (360 - 1432)	3.69 (1.44 - 8.49)	156.28 (68.57 - 194.05)	
	White catfish	2 (2)	3.66 (3.13 - 4.19)	466 (421 - 512)	1815 (1104 - 2526)	5.56 (5.34 - 5.79)	154.40 (138.19 - 170.61)	
	Walleye	1	0.97	364	402	0.94	97.42	
	White perch	30 (30)	1.82 (0.58 - 3.80)	193 (149 - 293)	105 (38 - 394)	1.85 (0.42 - 4.72)	116.17 (27.43 - 297.35)	
	Yellow perch	33 (30)	1.27 (0.29 - 3.12)	189 (91 - 304)	91 (8 - 288)	0.79 (0.18 - 2.02)	103.45 (11.99 - 429.79)	
	Spring Striped bass**	9 (9)	2.29 (0.46 - 5.88)	650 (468 - 933)	3318 (940 - 9072)	2.18 (0.24 - 5.90)	144.99 (16.33 - 361.05)	
	Stockport Middle Grounds (122)	American eel	5 (5)	11.24 (5.75 - 15.60)	572 (433 - 680)	406 (156 - 644)	3.54 (1.80 - 6.07)	35.14 (11.84 - 56.73)
Brown bullhead		5 (5)	3.15 (1.13 - 5.92)	268 (250 - 288)	264 (208 - 340)	1.33 (0.79 - 2.05)	49.32 (34.22 - 72.57)	
Carp		3 (3)	9.03 (4.28 - 12.40)	573 (525 - 603)	2839 (2130 - 3366)	4.84 (2.75 - 6.02)	56.00 (48.55 - 64.25)	
Pumpkinseed		5 (5)	2.06 (1.23 - 2.53)	171 (164 - 187)	113 (94 - 144)	0.94 (0.63 - 1.25)	50.41 (26.94 - 92.68)	
Rock bass		2 (2)	1.06 (0.84 - 1.29)	201 (196 - 206)	154 (144 - 164)	1.25 (0.99 - 1.52)	117.84 (117.83 - 117.86)	
Redbreast sunfish		5 (5)	1.48 (0.99 - 2.10)	182 (171 - 193)	121 (90 - 160)	0.78 (0.25 - 1.32)	60.13 (12.10 - 133.33)	
Smallmouth bass		5 (5)	0.98 (0.32 - 1.31)	307 (247 - 342)	341 (172 - 470)	0.89 (0.57 - 1.46)	102.90 (72.67 - 177.81)	
White perch		5 (5)	3.87 (2.79 - 4.52)	154 (138 - 165)	51 (36 - 68)	2.84 (2.01 - 3.48)	73.61 (62.31 - 88.19)	
Yellow perch		5 (5)	1.54 (1.26 - 1.73)	201 (184 - 236)	93 (70 - 154)	1.29 (0.66 - 2.75)	81.12 (52.62 - 160.82)	

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** Striped bass collected during spring spawning activities or in the fall were legal size (>457mm total length). Smaller sizes taken during the summer as part of the supplemental sampling effort at specific locations.

Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Schodack Landing (132)	American eel	5 (5)	15.32 (11.30 - 20.20)	538 (364 - 754)	439 (108 - 970)	4.75 (2.34 - 7.15)	33.12 (16.36 - 63.27)
	Brown bullhead	5 (5)	6.46 (4.12 - 10.90)	249 (221 - 283)	237 (128 - 372)	2.02 (1.43 - 2.96)	32.07 (26.53 - 36.89)
	Bluegill	5 (5)	2.60 (2.41 - 3.08)	161 (141 - 188)	97 (60 - 148)	0.89 (0.60 - 1.09)	34.06 (24.86 - 42.13)
	Carp	3 (3)	19.03 (15.30 - 24.00)	693 (667 - 738)	6073 (5260 - 7340)	7.58 (5.41 - 9.10)	39.86 (35.36 - 46.29)
	Channel catfish	3 (3)	5.67 (2.09 - 8.77)	309 (253 - 339)	246 (142 - 312)	2.43 (0.99 - 4.19)	43.19 (34.42 - 47.78)
	Goldfish	2 (2)	11.93 (5.96 - 17.90)	318 (299 - 338)	845 (834 - 856)	2.50 (2.03 - 2.96)	25.30 (16.54 - 34.06)
	Largemouth bass	5 (5)	2.02 (1.64 - 2.34)	249 (211 - 277)	227 (138 - 320)	1.14 (0.87 - 1.33)	57.52 (37.18 - 70.73)
	Pumpkinseed	5 (5)	1.98 (0.83 - 2.67)	168 (153 - 182)	107 (86 - 140)	0.65 (0.33 - 0.77)	34.64 (28.60 - 40.24)
	Redbreast sunfish	1	1.43	179	112	1.13	79.02
	White catfish	5 (5)	4.47 (3.44 - 6.42)	364 (337 - 438)	703 (496 - 1266)	3.96 (1.90 - 10.25)	101.59 (33.33 - 297.96)
	White perch	5 (5)	5.29 (4.00 - 6.44)	182 (168 - 194)	92 (78 - 110)	2.00 (1.47 - 2.66)	37.51 (31.26 - 43.61)
	Yellow perch	2 (2)	1.21 (1.06 - 1.36)	224 (188 - 259)	106 (74 - 138)	0.44 (0.35 - 0.53)	35.88 (33.02 - 38.75)
Shad Island (135)	American eel	5 (5)	10.22 (3.98 - 16.70)	564 (472 - 664)	386 (202 - 640)	4.87 (3.61 - 5.85)	57.06 (35.03 - 90.70)
	Brown bullhead	5 (5)	4.50 (2.24 - 6.56)	250 (217 - 266)	216 (136 - 274)	1.87 (1.11 - 2.26)	44.91 (33.54 - 60.20)
	Black crappie	1	0.20	184	70	0.38	189.50
	Bluegill	1	1.55	160	94	1.06	68.39
	Carp	3 (3)	9.25 (5.24 - 11.30)	541 (449 - 640)	2407 (1312 - 3550)	4.41 (2.09 - 5.77)	46.27 (39.88 - 51.06)
	Goldfish	2 (2)	5.07 (3.05 - 7.09)	280 (270 - 291)	497 (388 - 606)	2.29 (2.25 - 2.33)	54.06 (31.74 - 76.39)
	Largemouth bass	1	1.72	153	56	1.64	95.35
	Pumpkinseed	5 (5)	1.36 (1.26 - 1.55)	150 (147 - 156)	70 (64 - 78)	0.82 (0.70 - 0.96)	60.23 (54.19 - 71.50)
	Rock bass	3 (3)	1.34 (1.11 - 1.67)	165 (162 - 170)	89 (82 - 98)	1.29 (1.20 - 1.44)	98.20 (86.23 - 110.81)
	Redbreast sunfish	5 (5)	1.85 (0.98 - 2.70)	173 (162 - 180)	100 (82 - 122)	2.08 (0.59 - 3.31)	108.04 (59.90 - 143.15)
	Smallmouth bass	5 (5)	1.11 (0.30 - 2.08)	343 (249 - 464)	505 (174 - 1004)	1.92 (0.70 - 3.52)	195.86 (70.71 - 352.00)
	White catfish	2 (2)	4.45 (2.13 - 6.77)	398 (365 - 432)	898 (646 - 1150)	3.80 (3.59 - 4.01)	120.65 (53.03 - 188.26)
	White perch	5 (5)	2.63 (1.88 - 3.18)	199 (175 - 233)	121 (84 - 186)	3.00 (2.34 - 3.62)	118.94 (73.58 - 153.19)
	Yellow perch	5 (5)	1.04 (0.80 - 1.17)	212 (189 - 261)	112 (86 - 176)	0.77 (0.62 - 1.00)	73.70 (57.05 - 92.59)
Albany - South turning basin (142)	Pumpkinseed (0)	11 (11)	3.62 (2.32 - 4.41)	80 (75 - 84)	9 (8 - 10)	1.39 (0.03 - 2.39)	37.38 (1.38 - 59.51)
	Pumpkinseed (1)	1	1.61	116	28	1.09	67.83
Troy - below Federal Dam (153)	American eel	10 (10)	10.51 (3.43 - 19.20)	428 (230 - 691)	234 (80 - 844)	3.00 (1.41 - 4.53)	35.09 (12.27 - 74.55)
	American shad	5 (5)	5.58 (1.18 - 10.60)	489 (425 - 559)	1122 (668 - 1720)	0.43 (0.16 - 0.89)	8.88 (5.99 - 13.98)
	Brown bullhead	8 (8)	3.86 (1.27 - 6.06)	297 (249 - 367)	363 (134 - 778)	1.92 (0.20 - 5.08)	44.55 (11.57 - 90.86)
	Carp	5 (5)	10.67 (3.66 - 17.20)	687 (661 - 708)	5266 (4786 - 6010)	10.76 (7.26 - 16.52)	135.03 (42.21 - 247.68)
	Largemouth bass	2 (2)	0.80 (0.30 - 1.31)	386 (365 - 407)	817 (630 - 1004)	1.52 (1.45 - 1.59)	320.34 (110.69 - 530.00)
	Northern pike	5 (5)	1.34 (0.67 - 2.38)	577 (523 - 630)	1216 (880 - 1674)	2.53 (0.54 - 5.11)	176.31 (81.19 - 225.18)
	Pumpkinseed	5 (5)	0.94 (0.40 - 1.94)	157 (138 - 165)	95 (56 - 120)	0.66 (0.29 - 1.08)	83.18 (34.64 - 111.80)
	Redbreast sunfish	5 (5)	1.14 (0.61 - 2.08)	194 (190 - 197)	163 (148 - 186)	1.15 (0.72 - 1.94)	106.90 (91.75 - 148.69)
	Smallmouth bass	18 (18)	1.35 (0.23 - 3.33)	397 (285 - 486)	778 (226 - 1384)	4.77 (0.50 - 10.52)	400.16 (50.26 - 762.90)
	White catfish	8 (8)	5.38 (1.58 - 7.85)	424 (296 - 495)	1181 (376 - 2044)	4.58 (2.43 - 7.88)	94.04 (47.55 - 172.78)
	Walleye	4 (4)	2.35 (1.52 - 3.24)	491 (413 - 682)	1352 (644 - 3170)	2.42 (1.87 - 2.91)	114.49 (57.72 - 161.18)
	White perch	9 (9)	2.37 (0.92 - 4.40)	209 (156 - 270)	144 (56 - 282)	3.11 (0.57 - 4.79)	138.01 (61.96 - 220.65)
	Yellow perch	1	1.78	138	28	3.67	206.18
	May Striped bass**	10 (10)	3.47 (0.53 - 9.84)	609 (535 - 713)	2544 (1670 - 3630)	2.45 (1.59 - 4.44)	150.68 (23.78 - 367.78)
	Sept. Striped bass**	5 (5)	5.91 (3.17 - 8.96)	583 (478 - 728)	2354 (1218 - 4528)	4.79 (1.99 - 9.27)	79.51 (50.83 - 132.24)
Oct. Striped bass**	15 (15)	7.50 (2.55 - 14.70)	641 (556 - 742)	3423 (2150 - 5380)	5.26 (1.66 - 14.28)	76.74 (33.80 - 159.61)	

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

** Striped bass collected during spring spawning activities or in the fall were legal size (>457mm total length). Smaller sizes taken during the summer as part of the supplemental sampling effort at specific locations.

Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)	
Pleasantdale (157) below GE Silicones outfall	American eel	2 (2)	16.95 (16.20 - 17.70)	466 (436 - 495)	186 (136 - 236)	7.93 (7.28 - 8.58)	46.71 (44.94 - 48.48)	
	Black crappie	1	3.10	316	554	4.06	130.97	
	Carp	3 (3)	6.92 (5.82 - 7.69)	608 (549 - 655)	3660 (2930 - 4680)	9.90 (7.02 - 13.46)	143.43 (96.83 - 175.03)	
	Gizzard shad	5 (5)	11.34 (5.90 - 18.00)	401 (373 - 430)	700 (498 - 876)	5.28 (4.10 - 6.95)	50.64 (30.94 - 69.49)	
	Pumpkinseed	3 (3)	1.48 (0.92 - 2.02)	154 (147 - 159)	86 (72 - 94)	1.43 (0.78 - 1.81)	95.76 (84.89 - 112.80)	
	Rock bass	1	1.06	155	78	1.02	96.13	
	Redbreast sunfish	1	0.29	212	202	1.16	400.00	
	Smallmouth bass	5 (5)	1.56 (0.24 - 2.85)	333 (248 - 361)	416 (206 - 600)	2.67 (1.37 - 4.81)	257.94 (59.65 - 570.00)	
Waterford - at GE Silicones outfall (157)	American eel	2 (2)	3.36 (2.98 - 3.73)	282 (237 - 328)	40 (22 - 58)	3.06 (2.86 - 3.25)	91.55 (87.13 - 95.97)	
	Carp	3 (3)	8.69 (0.98 - 15.50)	666 (642 - 703)	4167 (3340 - 5310)	19.87 (2.31 - 43.85)	219.61 (140.21 - 282.90)	
	Freshwater drum	1	4.73	533	1900	5.75	121.56	
	Northern pike	1	0.79	438	532	2.81	355.70	
	Pumpkinseed	2 (2)	2.80 (0.54 - 5.06)	180 (159 - 200)	133 (80 - 186)	4.72 (1.12 - 8.31)	185.82 (164.23 - 207.41)	
	Smallmouth bass	5 (5)	1.82 (1.48 - 2.85)	247 (195 - 344)	250 (102 - 612)	2.01 (1.46 - 3.85)	106.73 (94.64 - 135.09)	
Waterford - below lock C1 (158)	Carp	3 (3)	4.76 (2.11 - 7.14)	653 (622 - 694)	4033 (3320 - 4730)	11.91 (3.76 - 24.41)	223.36 (150.00 - 341.88)	
	Channel catfish	1	12.70	379	494	4.58	36.06	
	Freshwater drum	1	9.35	488	1590	4.40	47.06	
	Redbreast sunfish	1	0.52	209	218	0.27	52.31	
	Smallmouth bass	5 (5)	1.18 (0.68 - 1.81)	299 (238 - 318)	344 (174 - 432)	1.88 (1.37 - 2.79)	173.92 (103.39 - 230.34)	
	Walleye	1	0.78	328	314	1.16	148.72	
above Waterford (160) between locks C1 & C2	American eel	5 (5)	12.98 (4.06 - 18.70)	614 (555 - 674)	448 (350 - 572)	4.72 (2.11 - 6.58)	39.36 (31.16 - 51.97)	
	Brown bullhead	1	0.23	353	574	0.63	272.17	
	Bluegill	5 (5)	2.06 (0.42 - 5.06)	185 (164 - 204)	170 (120 - 216)	2.42 (1.54 - 3.50)	178.60 (69.17 - 400.00)	
	Carp	3 (3)	4.02 (2.83 - 4.74)	633 (600 - 660)	3790 (3270 - 4140)	13.78 (7.41 - 24.48)	345.15 (156.33 - 545.21)	
	Gizzard shad	5 (5)	13.54 (0.79 - 19.50)	380 (354 - 391)	676 (586 - 818)	4.40 (1.31 - 7.51)	57.91 (24.85 - 165.82)	
	Northern pike	4 (4)	3.80 (1.45 - 10.20)	762 (626 - 851)	2870 (1360 - 3890)	4.65 (2.75 - 7.45)	190.09 (73.04 - 352.53)	
	Rock bass	5 (5)	3.06 (2.10 - 3.98)	126 (106 - 173)	56 (30 - 132)	3.20 (2.23 - 4.10)	109.86 (81.48 - 178.26)	
	Smallmouth bass	5 (5)	2.17 (1.58 - 2.85)	364 (307 - 430)	872 (456 - 1714)	4.66 (2.68 - 7.03)	208.74 (127.62 - 274.60)	
	below Mechanicville - above lock C2 (162)	American eel	5 (5)	18.20 (10.50 - 25.10)	691 (599 - 804)	704 (452 - 1030)	6.99 (3.53 - 11.25)	39.94 (15.22 - 60.98)
Brown bullhead		2 (2)	2.81 (1.50 - 4.12)	320 (314 - 327)	455 (440 - 470)	4.42 (2.83 - 6.02)	235.01 (68.69 - 401.33)	
Bluegill		4 (4)	1.83 (1.22 - 2.50)	170 (141 - 200)	110 (54 - 194)	2.83 (0.66 - 5.58)	161.60 (54.43 - 369.54)	
Carp		3 (3)	16.70 (10.40 - 21.20)	703 (679 - 725)	5557 (4890 - 6300)	34.71 (9.90 - 69.09)	195.75 (95.19 - 373.46)	
Northern pike		4 (4)	1.08 (0.82 - 1.21)	596 (497 - 634)	1278 (780 - 1520)	6.37 (3.12 - 10.66)	584.80 (271.30 - 943.36)	
Pumpkinseed		5 (5)	1.76 (0.34 - 3.62)	183 (160 - 220)	171 (102 - 280)	2.16 (0.30 - 3.95)	143.13 (74.14 - 361.00)	
Rock bass		5 (5)	1.45 (0.70 - 2.02)	176 (142 - 203)	127 (70 - 172)	2.05 (0.46 - 4.10)	129.02 (65.86 - 202.97)	
Smallmouth bass		8 (8)	1.39 (0.58 - 2.06)	330 (289 - 370)	498 (328 - 674)	3.66 (2.07 - 8.28)	297.81 (101.47 - 687.93)	
Yellow bullhead		2 (2)	3.29 (2.22 - 4.36)	198 (195 - 201)	112 (98 - 126)	3.54 (1.94 - 5.13)	102.52 (87.39 - 117.66)	
Yellow perch		2 (2)	1.08 (0.52 - 1.64)	256 (231 - 280)	223 (162 - 284)	1.42 (0.74 - 2.10)	135.37 (128.05 - 142.69)	
Mechanicville - above lock C3 (165)		American eel	4 (4)	18.10 (13.60 - 24.40)	780 (692 - 880)	984 (650 - 1690)	9.06 (6.06 - 12.23)	51.09 (36.27 - 64.37)
		Brown bullhead	3 (3)	1.14 (0.65 - 1.98)	301 (214 - 360)	453 (128 - 680)	1.61 (1.13 - 2.35)	191.53 (68.18 - 361.54)
	Bluegill	1	2.77	172	138	4.48	161.73	
	Carp	3 (3)	9.32 (4.07 - 15.80)	607 (570 - 629)	3373 (3110 - 3530)	5.02 (3.82 - 6.87)	68.83 (27.72 - 93.86)	
	Pumpkinseed	5 (5)	2.71 (1.82 - 3.79)	123 (82 - 173)	57 (10 - 136)	2.99 (1.06 - 5.07)	104.43 (58.13 - 133.77)	
	Rock bass	3 (3)	3.34 (2.71 - 3.80)	105 (93 - 122)	26 (16 - 40)	3.98 (3.43 - 4.55)	119.64 (112.50 - 126.68)	
	Redbreast sunfish	1	3.39	177	138	2.64	77.88	
	Smallmouth bass	6 (6)	2.18 (1.53 - 2.96)	362 (246 - 433)	733 (202 - 1092)	3.70 (2.63 - 6.35)	172.78 (101.14 - 278.51)	
	Walleye	6 (6)	3.14 (2.16 - 4.43)	509 (446 - 563)	1345 (902 - 1728)	10.83 (4.18 - 28.59)	328.07 (193.52 - 809.92)	

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Stillwater - above lock C4 (167)	American eel	5 (5)	24.37 (5.25 - 39.60)	694 (540 - 812)	800 (288 - 1204)	11.08 (3.73 - 23.64)	48.61 (26.40 - 71.05)
	Brown bullhead	5 (5)	2.34 (1.32 - 3.39)	355 (281 - 384)	727 (354 - 864)	6.17 (4.07 - 8.70)	282.36 (173.94 - 336.68)
	Bluegill	5 (5)	2.22 (1.69 - 3.48)	184 (161 - 211)	165 (108 - 238)	4.47 (2.95 - 6.55)	203.29 (164.79 - 283.80)
	Carp	4 (4)	18.62 (11.40 - 26.60)	774 (641 - 826)	8257 (5448 - 9648)	172.13 (10.67 - 444.79)	835.86 (93.56 - 2304.59)
	Largemouth bass	2 (2)	0.36 (0.27 - 0.46)	369 (306 - 432)	815 (440 - 1190)	2.83 (2.44 - 3.22)	861.51 (530.43 - 1192.59)
	Pumpkinseed	5 (5)	2.11 (0.72 - 4.85)	173 (112 - 217)	159 (30 - 264)	3.22 (1.68 - 5.33)	181.91 (89.48 - 242.27)
	Pumpkinseed (0)	9 (9)	3.27 (2.84 - 3.93)	87 (77 - 114)	13 (9 - 24)	3.15 (2.60 - 3.94)	96.19 (89.52 - 103.14)
	Pumpkinseed (1)	5 (5)	3.99 (3.66 - 4.18)	106 (82 - 115)	25 (11 - 31)	3.88 (3.33 - 4.86)	97.74 (80.58 - 124.30)
	Rock bass	5 (5)	0.49 (0.23 - 0.75)	244 (209 - 313)	264 (232 - 286)	1.81 (0.27 - 3.03)	349.89 (115.65 - 555.56)
	Redbreast sunfish	5 (5)	1.86 (1.22 - 2.92)	157 (139 - 182)	85 (54 - 134)	3.01 (1.66 - 4.56)	160.21 (135.74 - 189.83)
	Smallmouth bass	10 (10)	0.79 (0.22 - 1.40)	325 (193 - 408)	474 (94 - 786)	2.61 (0.25 - 5.07)	374.97 (36.52 - 854.54)
	Yellow perch	2 (2)	1.16 (1.08 - 1.25)	194 (139 - 249)	106 (30 - 182)	2.01 (1.98 - 2.04)	173.30 (158.08 - 188.52)
Coveville (176)	Brown bullhead	18 (18)	3.14 (1.03 - 6.19)	323 (290 - 368)	554 (302 - 826)	5.70 (1.16 - 11.85)	179.58 (91.87 - 280.29)
	Carp	2 (2)	16.60 (9.91 - 23.30)	740 (670 - 810)	6082 (4114 - 8051)	39.28 (32.93 - 45.64)	264.09 (195.88 - 332.29)
	Largemouth bass	29 (29)	1.09 (0.23 - 2.90)	350 (222 - 472)	730 (144 - 1772)	4.78 (0.70 - 17.32)	445.93 (161.86 - 895.35)
	Pumpkinseed	5 (5)	1.59 (1.26 - 1.75)	195 (184 - 207)	186 (156 - 236)	3.04 (1.68 - 5.63)	190.23 (96.17 - 321.71)
	Yellow bullhead	2 (2)	2.90 (2.81 - 2.98)	290 (280 - 300)	426 (332 - 520)	4.62 (4.50 - 4.73)	159.67 (151.01 - 168.33)
	Yellow perch	30 (30)	0.82 (0.29 - 1.60)	209 (129 - 308)	123 (26 - 340)	1.21 (0.40 - 3.23)	177.79 (40.51 - 511.76)
Northumberland Pool (185) below lock C6 at hot spot 28	American eel	5 (5)	20.94 (14.60 - 29.50)	744 (645 - 808)	886 (500 - 1328)	15.60 (9.52 - 18.52)	78.57 (50.10 - 126.85)
	Brown bullhead	5 (5)	3.94 (1.58 - 5.62)	317 (272 - 355)	464 (316 - 602)	9.45 (4.28 - 13.99)	244.39 (202.49 - 280.36)
	Black crappie	3 (3)	3.46 (1.88 - 4.93)	283 (254 - 309)	400 (264 - 544)	9.98 (4.39 - 17.87)	270.37 (215.13 - 362.48)
	Bluegill	5 (5)	1.59 (0.66 - 2.47)	209 (164 - 233)	225 (90 - 288)	3.73 (1.11 - 9.37)	219.53 (95.34 - 379.35)
	Chain pickerel	3 (3)	0.48 (0.32 - 0.63)	475 (446 - 507)	639 (484 - 802)	1.77 (1.53 - 2.05)	382.51 (325.40 - 478.12)
	Largemouth bass	4 (4)	1.60 (1.49 - 1.68)	351 (273 - 416)	711 (348 - 1080)	9.86 (3.87 - 25.19)	602.15 (244.94 - 1499.40)
	Northern pike	1	0.60	574	1078	5.32	886.67
	Pumpkinseed	4 (4)	1.71 (0.98 - 2.60)	196 (181 - 215)	200 (154 - 252)	7.24 (0.40 - 19.89)	485.56 (40.71 - 1473.33)
	Rock bass	5 (5)	1.66 (0.64 - 2.09)	223 (216 - 228)	239 (214 - 266)	7.15 (4.36 - 9.76)	481.38 (208.61 - 771.88)
	Redbreast sunfish	2 (2)	2.76 (2.76 - 2.77)	162 (143 - 181)	95 (64 - 126)	6.16 (5.59 - 6.72)	222.57 (202.54 - 242.60)
	Smallmouth bass	5 (5)	1.64 (0.66 - 2.72)	377 (343 - 406)	694 (468 - 918)	11.27 (5.06 - 19.31)	697.64 (607.09 - 773.28)
	Walleye	3 (3)	1.27 (0.44 - 2.07)	477 (391 - 527)	894 (522 - 1216)	15.62 (10.86 - 24.35)	1515.87 (903.10 - 2468.18)
	Yellow perch	5 (5)	1.46 (1.06 - 2.06)	243 (196 - 314)	198 (88 - 388)	5.75 (1.65 - 9.54)	387.86 (155.28 - 619.48)
	Fort Miller Pool - above lock C6 (186)	Brown bullhead	2 (2)	3.44 (2.48 - 4.39)	299 (283 - 315)	395 (320 - 470)	4.05 (2.25 - 5.85)
Channel catfish		3 (3)	15.17 (13.20 - 16.70)	514 (501 - 535)	1214 (986 - 1466)	15.78 (13.81 - 18.00)	105.27 (82.70 - 117.73)
Pumpkinseed		1	2.47	171	124	2.67	108.10
Rock bass		4 (4)	1.86 (1.49 - 2.41)	226 (213 - 237)	238 (208 - 266)	3.74 (2.89 - 4.96)	201.53 (173.05 - 228.86)
Redbreast sunfish		10 (10)	2.93 (1.68 - 5.60)	203 (178 - 226)	191 (126 - 254)	6.95 (2.20 - 13.94)	251.62 (76.92 - 459.84)
Smallmouth bass		4 (4)	1.52 (0.61 - 2.02)	302 (267 - 338)	340 (236 - 458)	5.74 (3.54 - 7.82)	415.98 (253.96 - 580.33)
Walleye		2 (2)	0.70 (0.30 - 1.11)	402 (381 - 423)	522 (520 - 524)	5.26 (3.69 - 6.83)	922.66 (615.32 - 1230.00)
Yellow perch		13 (13)	1.76 (0.57 - 2.70)	280 (212 - 309)	348 (254 - 422)	4.59 (2.25 - 10.52)	304.79 (119.89 - 726.32)
Thompson Island Pool - Griffin Island (189)	Brown bullhead	20 (20)	2.98 (0.95 - 5.95)	284 (208 - 363)	348 (112 - 650)	11.23 (4.65 - 28.96)	403.75 (142.86 - 841.86)
	Carp	6 (6)	11.89 (8.36 - 19.80)	610 (431 - 873)	4789 (1438 - 14175)	21.22 (4.81 - 49.64)	159.32 (57.54 - 319.84)
	Largemouth bass	21 (21)	1.68 (0.38 - 3.97)	381 (199 - 463)	954 (120 - 1670)	20.75 (5.29 - 152.51)	1124.71 (322.32 - 4485.59)
	Pumpkinseed	6 (6)	1.62 (0.88 - 2.14)	176 (170 - 184)	151 (126 - 170)	5.95 (5.02 - 6.82)	389.85 (295.29 - 602.27)
	Eastern side of River Pumpkinseed (1)	12 (12)	2.56 (2.07 - 3.08)	102 (90 - 116)	19 (12 - 28)	3.21 (2.15 - 4.55)	128.11 (75.33 - 185.71)
	Yellow perch	20 (20)	1.14 (0.63 - 2.79)	232 (154 - 300)	188 (46 - 314)	3.69 (1.66 - 10.56)	324.14 (161.36 - 914.68)

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Thompson Island Pool (192) at special area 13	American eel	1	25.80	888	1430	17.61	68.26
	Brown bullhead	5 (5)	2.44 (1.89 - 2.71)	328 (272 - 377)	612 (304 - 830)	5.50 (3.37 - 7.32)	223.05 (178.31 - 277.27)
	Chain pickerel	1	0.27	319	178	1.18	437.04
	Largemouth bass	1	0.61	338	560	3.42	560.66
	Pumpkinseed	3 (3)	1.90 (1.69 - 2.10)	199 (192 - 212)	207 (188 - 240)	4.55 (3.41 - 5.50)	237.72 (201.78 - 261.90)
	Smallmouth bass	1	1.03	194	90	3.78	366.99
	Tiger muskellunge	1	0.59	381	326	1.49	252.54
	Yellow perch	5 (5)	0.97 (0.50 - 1.38)	207 (180 - 256)	116 (72 - 212)	2.54 (1.29 - 4.41)	264.18 (176.71 - 364.20)
Fort Edward (193) Rogers Island - East channel	American eel	4 (4)	27.60 (21.80 - 33.40)	823 (723 - 930)	1209 (820 - 1546)	113.50 (51.61 - 156.89)	437.32 (154.52 - 717.66)
	Brown bullhead	3 (3)	2.28 (1.94 - 2.51)	294 (235 - 371)	470 (220 - 846)	7.52 (5.28 - 11.88)	323.89 (226.36 - 473.31)
	Black crappie	1	3.39	317	536	27.02	797.05
	Bluegill	2 (2)	2.84 (2.17 - 3.51)	207 (199 - 215)	216 (196 - 236)	5.44 (4.37 - 6.51)	212.25 (124.50 - 300.00)
	Carp	1	8.89	466	1834	8.42	94.71
	Chain pickerel	2 (2)	0.37 (0.34 - 0.40)	434 (398 - 469)	477 (340 - 614)	2.83 (1.91 - 3.75)	749.63 (561.76 - 937.50)
	Freshwater drum	1	14.20	594	3170	19.61	138.10
	Largemouth bass	2 (2)	0.29 (0.19 - 0.39)	302 (274 - 329)	395 (292 - 498)	3.57 (3.25 - 3.89)	1353.98 (997.44 - 1710.53)
	Northern pike	1	1.16	591	1284	5.83	502.59
	Pumpkinseed	5 (5)	1.92 (1.17 - 2.43)	190 (167 - 209)	189 (104 - 274)	8.45 (7.13 - 9.35)	481.49 (302.12 - 776.92)
	Redbreast sunfish	5 (5)	2.01 (1.36 - 2.61)	183 (173 - 196)	134 (110 - 168)	20.40 (8.91 - 50.42)	942.50 (576.86 - 1931.80)
	Smallmouth bass	3 (3)	2.23 (1.03 - 3.78)	347 (300 - 409)	573 (340 - 906)	26.88 (16.54 - 38.73)	1324.25 (1024.60 - 1605.82)
	Walleye	5 (5)	1.93 (1.47 - 2.63)	467 (410 - 617)	1090 (616 - 2504)	28.42 (10.84 - 41.91)	1440.23 (660.98 - 2034.47)
	White sucker	5 (5)	7.49 (4.69 - 10.30)	486 (410 - 532)	1572 (982 - 1970)	130.19 (21.63 - 287.99)	1624.61 (461.19 - 2796.02)
	Yellow perch	5 (5)	1.64 (0.68 - 2.72)	288 (251 - 338)	284 (172 - 376)	10.02 (4.64 - 24.20)	583.98 (261.34 - 889.71)
Fort Edward - Remnant 5 South (194) East bank	Emerald shiner	50 (5)	7.57 (6.28 - 9.02)	64 (54 - 78)	2 (2 - 3)	4.57 (3.82 - 6.21)	60.17 (51.53 - 68.85)
	Fallfish	41 (11)	1.48 (1.01 - 2.53)	80 (57 - 140)	6 (2 - 23)	2.78 (1.46 - 5.69)	191.16 (144.55 - 451.48)
	Pumpkinseed	1	4.47	121	38	3.43	76.73
	Rock bass	10 (4)	4.28 (2.27 - 4.78)	79 (63 - 135)	12 (5 - 45)	2.03 (1.76 - 2.73)	51.05 (41.00 - 118.94)
	Redbreast sunfish	4 (3)	5.12 (4.50 - 6.07)	96 (89 - 107)	15 (11 - 22)	4.05 (2.30 - 6.51)	80.62 (37.91 - 120.56)
	Smallmouth bass	2 (2)	3.03 (2.11 - 3.95)	103 (87 - 119)	15 (8 - 22)	3.36 (3.32 - 3.39)	121.58 (85.82 - 157.35)
	White sucker	1	1.93	102	11	1.41	73.11
Fort Edward - Remnant 5 North (194) East bank	Smallmouth bass	15 (5)	4.02 (3.17 - 4.70)	94 (76 - 104)	11 (8 - 16)	2.33 (1.77 - 2.78)	57.74 (55.41 - 61.20)
Fort Edward -Remnant 4 South (194) West bank	Brown bullhead	3 (1)	1.34	86	8	0.22	16.79
	Bluegill	16 (3)	4.30 (3.98 - 4.66)	58 (42 - 71)	4 (2 - 7)	0.86 (0.77 - 0.94)	19.97 (19.37 - 21.07)
	Fallfish	19 (3)	3.25 (2.81 - 3.51)	76 (66 - 86)	4 (3 - 6)	0.89 (0.73 - 0.99)	27.39 (26.12 - 28.18)
	Largemouth bass	5 (3)	3.20 (2.52 - 3.82)	89 (85 - 92)	9 (8 - 10)	1.49 (0.94 - 1.88)	49.97 (28.28 - 74.72)
	Rock bass	4 (2)	3.80 (3.44 - 4.16)	62 (59 - 66)	5 (4 - 5)	0.77 (0.58 - 0.95)	19.91 (17.01 - 22.81)
	Redbreast sunfish	16 (3)	5.61 (5.27 - 5.99)	58 (43 - 67)	3 (3 - 5)	1.12 (0.96 - 1.31)	19.90 (18.24 - 21.87)
	Smallmouth bass	20 (3)	2.95 (2.54 - 3.34)	83 (75 - 97)	7 (6 - 11)	1.67 (1.57 - 1.80)	57.79 (46.92 - 70.98)
	Tessellated darter	6 (2)	3.86 (2.84 - 5.90)	56 (44 - 77)	2 (1 - 4)	2.23 (1.10 - 4.49)	51.32 (38.91 - 76.15)
	Yellow perch	2 (1)	3.76	88	8	0.75	19.97
	Fort Edward - Remnant 4 North (195) West bank	Fallfish	75 (5)	2.16 (1.64 - 2.74)	69 (50 - 90)	3 (1 - 6)	0.59 (0.37 - 0.78)
Rock bass		3 (2)	3.91 (3.88 - 3.98)	66 (57 - 74)	6 (4 - 8)	0.76 (0.44 - 0.92)	19.46 (11.06 - 23.66)
Redbreast sunfish		1	5.19	117	27	1.08	20.81
Smallmouth bass		12 (4)	3.02 (2.90 - 3.52)	87 (75 - 118)	8 (6 - 19)	1.00 (0.61 - 2.20)	33.54 (17.36 - 73.64)
White sucker		6 (3)	1.81 (1.76 - 1.85)	98 (89 - 106)	61 (9 - 104)	0.31 (0.28 - 0.34)	17.01 (15.60 - 18.22)

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Fort Edward - Remnant 3 South (195) East bank	Sunfish species	17 (3)	4.07 (3.85 - 4.94)	37 (28 - 56)	1 (0 - 2)	2.27 (2.14 - 3.20)	55.58 (46.40 - 64.70)
	Fallfish	50 (5)	2.74 (2.55 - 3.01)	70 (64 - 82)	3 (2 - 4)	3.41 (2.78 - 4.62)	125.24 (92.39 - 171.75)
	Largemouth bass	6 (3)	3.13 (2.62 - 3.85)	87 (78 - 94)	9 (6 - 11)	4.76 (2.87 - 7.76)	163.14 (94.60 - 296.18)
	Pumpkinseed	2 (2)	4.29 (4.28 - 4.30)	116 (116 - 116)	35 (33 - 36)	5.94 (4.13 - 7.74)	138.44 (96.05 - 180.84)
	Rock bass	36 (4)	4.45 (2.87 - 4.70)	60 (45 - 153)	6 (2 - 71)	3.83 (3.15 - 4.60)	86.48 (76.64 - 160.28)
	Redbreast sunfish	2 (2)	5.99 (5.17 - 6.81)	102 (98 - 105)	16 (15 - 18)	6.48 (5.18 - 7.77)	107.14 (100.19 - 114.10)
	Smallmouth bass	9 (4)	2.76 (0.73 - 3.47)	113 (82 - 298)	42 (7 - 304)	5.69 (3.27 - 6.80)	245.46 (171.97 - 664.38)
	Tessellated darter	8 (3)	2.75 (1.98 - 6.54)	51 (42 - 77)	1 (1 - 4)	6.57 (5.63 - 11.54)	258.11 (176.45 - 304.54)
	White sucker	12 (3)	2.21 (1.77 - 2.58)	102 (94 - 110)	11 (9 - 14)	5.94 (4.34 - 8.05)	269.81 (191.19 - 312.02)
Fort Edward - Remnant 3 Middle (195) East bank	Rock bass	3 (2)	4.51 (4.43 - 4.67)	69 (59 - 78)	33 (4 - 89)	2.94 (1.25 - 3.79)	65.93 (26.68 - 85.55)
	Redbreast sunfish	1	5.43	104	19	4.31	79.37
	Smallmouth bass	33 (5)	3.45 (3.04 - 4.03)	86 (77 - 99)	7 (6 - 11)	6.49 (6.00 - 7.37)	190.38 (156.78 - 218.42)
	Tessellated darter	4 (2)	3.70 (3.35 - 4.73)	61 (55 - 72)	2 (1 - 3)	7.20 (6.14 - 10.36)	192.22 (183.28 - 219.03)
Fort Edward - Remnant 3 North (195) East bank	Emerald shiner	34 (5)	9.18 (7.08 - 11.70)	65 (62 - 70)	2 (2 - 3)	9.74 (7.10 - 13.76)	105.65 (81.05 - 134.47)
	Fallfish	24 (4)	3.40 (2.28 - 4.04)	78 (64 - 89)	4 (2 - 7)	7.62 (5.92 - 8.94)	227.55 (195.87 - 259.65)
Fort Edward - Remnant 2 South (195) West bank	Emerald shiner	37 (5)	5.31 (4.02 - 7.31)	60 (49 - 73)	2 (1 - 3)	3.22 (2.37 - 5.15)	59.86 (53.14 - 70.45)
	Fallfish	50 (5)	3.39 (3.33 - 3.46)	76 (64 - 86)	4 (3 - 6)	0.67 (0.50 - 0.92)	19.67 (14.91 - 27.36)
	Rock bass	2 (1)	3.93	55	2	1.31	33.36
	Redbreast sunfish	1	6.67	102	19	6.10	91.45
	Smallmouth bass	2 (2)	3.32 (3.16 - 3.49)	95 (94 - 96)	10 (10 - 11)	0.76 (0.66 - 0.86)	23.01 (18.77 - 27.25)
Fort Edward - Remnant 2 North (195) West bank	Sunfish species	4 (2)	4.54 (4.46 - 4.61)	55 (50 - 60)	3 (2 - 4)	1.14 (0.88 - 1.39)	24.99 (19.82 - 30.15)
	Brown bullhead	1	3.89	84	7	0.90	23.21
	Emerald shiner	17 (3)	6.77 (5.36 - 8.10)	63 (50 - 77)	2 (1 - 3)	2.51 (1.66 - 2.94)	36.75 (30.93 - 42.06)
	Fallfish	50 (5)	3.39 (3.21 - 3.61)	82 (64 - 92)	5 (4 - 7)	1.04 (0.79 - 1.45)	30.56 (23.80 - 41.31)
	Rock bass	14 (3)	3.55 (3.25 - 4.21)	47 (34 - 61)	2 (1 - 5)	0.45 (0.34 - 0.59)	12.58 (10.40 - 14.33)
	Smallmouth bass	34 (7)	3.43 (2.62 - 4.10)	108 (92 - 137)	15 (11 - 31)	0.54 (0.44 - 0.82)	16.11 (12.12 - 31.34)
	White sucker	1	3.61	105	12	0.51	14.13
Fort Edward - at GE 004 outfall (195) East bank	Emerald shiner	4 (1)	6.24	60	2	7.40	118.59
	Fallfish	53 (8)	3.38 (2.78 - 5.09)	86 (69 - 172)	7 (4 - 49)	8.20 (1.89 - 14.16)	242.29 (47.80 - 423.95)
	Smallmouth bass	7 (5)	3.40 (2.84 - 3.87)	107 (96 - 118)	17 (12 - 22)	2.84 (0.96 - 7.05)	86.99 (29.07 - 248.24)
	White sucker	1	3.56	96	9	5.11	143.54
Fort Edward - above GE 004 outfall (195) East bank	Rock bass	7 (5)	3.53 (2.48 - 4.69)	52 (44 - 63)	3 (2 - 5)	0.79 (0.38 - 1.51)	25.02 (8.02 - 46.37)
	Smallmouth bass	6 (6)	3.56 (1.61 - 4.15)	90 (83 - 98)	8 (7 - 11)	1.01 (0.69 - 1.46)	30.08 (16.75 - 42.92)
Hudson Falls (196) above Bakers Falls at GE pump house	Brown bullhead	10 (10)	3.98 (1.71 - 7.07)	293 (263 - 328)	359 (260 - 494)	56.02 (5.81 - 154.94)	1502.28 (119.49 - 4333.90)
	Rock bass	35 (35)	1.57 (0.77 - 2.50)	210 (151 - 243)	203 (80 - 294)	7.42 (0.81 - 33.90)	466.91 (64.36 - 1356.08)
	Redbreast sunfish	12 (12)	2.74 (0.99 - 7.04)	197 (156 - 220)	172 (78 - 248)	12.46 (2.37 - 24.65)	600.46 (120.24 - 2265.66)
	Smallmouth bass	9 (9)	1.88 (0.71 - 5.01)	295 (283 - 339)	319 (274 - 504)	60.50 (2.07 - 226.87)	3318.20 (115.11 - 10586.49)

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Hudson Falls (196) Fenimore Bridge - East channel	Chain pickerel	1	1.42	199	46	0.69	48.45
	Fallfish	3 (3)	2.24 (1.35 - 2.88)	166 (150 - 181)	46 (32 - 58)	0.58 (0.57 - 0.60)	28.98 (20.94 - 43.26)
	Largemouth bass	1	1.24	88	8	0.28	22.34
	Rock bass	3 (3)	3.83 (3.02 - 4.50)	170 (123 - 226)	113 (24 - 234)	6.50 (2.39 - 9.33)	180.65 (60.35 - 308.94)
	Redbreast sunfish	9 (5)	3.16 (2.33 - 5.75)	90 (42 - 149)	17 (2 - 58)	0.52 (0.29 - 1.05)	16.12 (12.28 - 18.93)
	Smallmouth bass	12 (3)	2.73 (1.73 - 3.06)	81 (68 - 104)	6 (5 - 11)	0.21 (0.15 - 0.28)	8.65 (5.00 - 15.90)
	Yellow perch	1	2.77	109	14	1.06	38.23
Hudson Falls (196) Fenimore Bridge - West channel	Brown bullhead	1	7.07	246	204	4.13	58.42
	Rock bass	1	1.80	180	122	1.95	108.22
	Redbreast sunfish	3 (3)	2.10 (1.54 - 2.87)	174 (157 - 188)	105 (78 - 124)	59.98 (0.29 - 127.01)	2619.94 (15.56 - 4425.44)
	Smallmouth bass	5 (5)	1.54 (1.12 - 2.75)	278 (267 - 294)	251 (216 - 304)	1.41 (0.08 - 5.31)	113.41 (7.59 - 457.76)
Glens Falls - Ciba-Geigy plant (197)	Smallmouth bass	7 (7)	0.97 (0.53 - 1.61)	266 (223 - 299)	222 (120 - 330)	0.06 (<0.01 - 0.16)	7.22 (1.89 - 22.82)
Moreau/Queensbury (204) above Feeder Dam	Brown bullhead	16 (16)	2.71 (0.59 - 5.43)	305 (245 - 360)	428 (196 - 722)	0.20 (0.04 - 0.67)	7.57 (2.48 - 17.33)
	Carp	3 (3)	14.01 (9.53 - 20.20)	739 (686 - 842)	5574 (2094 - 9412)	1.06 (0.48 - 1.65)	7.28 (5.06 - 8.62)
	Largemouth bass	1	0.84	330	506	0.15	17.74
	Pumpkinseed	5 (5)	2.65 (2.09 - 3.26)	95 (84 - 105)	15 (10 - 20)	0.26 (0.16 - 0.41)	10.09 (5.11 - 16.65)
	Pumpkinseed (1)	11 (11)	3.07 (2.61 - 3.84)	91 (74 - 100)	13 (7 - 18)	0.19 (0.04 - 0.36)	6.19 (1.46 - 13.23)
	Smallmouth bass	19 (19)	0.58 (0.28 - 1.03)	281 (236 - 430)	276 (148 - 886)	0.14 (<0.02 - 0.27)	25.35 (5.00 - 48.06)
Queensbury - NiMo site 3 (209)	Yellow perch	20 (20)	1.06 (0.44 - 1.59)	245 (221 - 283)	187 (130 - 258)	0.11 (<0.02 - 0.46)	12.29 (1.70 - 66.96)
	Rock bass	3 (3)	1.06 (0.32 - 1.73)	171 (153 - 187)	107 (84 - 134)	0.09 (0.04 - 0.12)	10.16 (6.47 - 13.75)
	Smallmouth bass	1	0.84	250	195	0.08	9.05
	Smallmouth bass (3)	1	0.93	253	217	<0.05	5.38
	Smallmouth bass (4)	2 (2)	3.85 (1.52 - 6.18)	261 (261 - 261)	240 (219 - 261)	0.41 (<0.05 - 0.76)	7.83 (3.29 - 12.38)
	Smallmouth bass (5)	2 (2)	4.99 (3.60 - 6.38)	316 (308 - 324)	418 (394 - 441)	0.14 (0.10 - 0.18)	2.91 (2.90 - 2.92)
	Smallmouth bass (6)	1	1.10	312	369	<0.05	4.54
	Walleye	1	0.56	447	751	0.06	11.61
Queensbury - NiMo site 1 (210)	Yellow perch (4)	4 (4)	0.78 (0.71 - 0.90)	258 (255 - 260)	278 (269 - 283)	<0.05 (<0.05 - <0.05)	6.42 (5.56 - 7.04)
	Brown bullhead	1	2.19	368	710	0.22	10.14
	Pumpkinseed	1	1.82	113	30	5.26	288.85
	Rock bass	6 (6)	0.76 (0.47 - 1.24)	189 (164 - 227)	147 (96 - 252)	0.60 (<0.05 - 2.52)	92.26 (7.18 - 381.21)
	Rock bass (4)	1	0.68	173	103	0.05	7.35
	Rock bass (5)	2 (2)	0.61 (0.50 - 0.72)	192 (185 - 198)	144 (128 - 159)	0.38 (0.30 - 0.48)	62.49 (59.00 - 65.97)
	Rock bass (6)	2 (2)	0.59 (0.56 - 0.62)	214 (213 - 215)	191 (177 - 205)	0.18 (0.17 - 0.20)	31.33 (26.77 - 35.89)
	Smallmouth bass	1	1.93	192	86	0.80	41.19
	Smallmouth bass (2)	1	1.26	212	130	0.57	45.24
	Smallmouth bass (4)	4 (4)	1.03 (0.71 - 1.40)	270 (260 - 284)	252 (230 - 276)	0.38 (0.08 - 1.12)	34.75 (9.86 - 95.34)
	Yellow perch	5 (5)	1.72 (1.25 - 1.99)	141 (111 - 176)	40 (16 - 84)	9.81 (0.15 - 33.75)	501.74 (9.61 - 1695.93)
	Yellow perch (4)	2 (2)	0.76 (0.74 - 0.79)	262 (255 - 270)	270 (238 - 301)	0.13 (<0.05 - 0.22)	17.69 (6.33 - 29.05)
	Yellow perch (6)	3 (3)	0.95 (0.72 - 1.06)	301 (295 - 306)	366 (320 - 410)	<0.05 (<0.05 - <0.05)	5.46 (4.72 - 6.94)

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

Table 3. (continued)

Location (Approximate river mile)	Species (age)	Sample # (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Queensbury - NiMo site 2 (210)	Brown bullhead	2 (2)	0.98 (0.26 - 1.70)	308 (219 - 397)	420 (148 - 692)	0.06 (0.04 - 0.09)	9.63 (5.41 - 13.85)
	Chain pickerel	1	0.26	433	438	<0.02	7.69
	Pumpkinseed	5 (5)	1.73 (0.66 - 2.55)	136 (103 - 184)	74 (24 - 148)	0.08 (0.04 - 0.10)	5.85 (3.00 - 14.54)
	Rock bass	5 (5)	1.40 (0.47 - 3.05)	166 (124 - 188)	103 (44 - 140)	0.07 (0.04 - 0.14)	5.87 (4.12 - 10.00)
	Rock bass (3)	1	1.27	180	97	<0.05	3.94
	Rock bass (4)	3 (3)	3.82 (0.86 - 9.56)	186 (180 - 189)	121 (94 - 148)	<0.05 (<0.05 - <0.05)	3.70 (0.52 - 5.81)
	Rock bass (6)	1	0.70	204	183	<0.05	7.14
	Smallmouth bass	5 (5)	1.26 (0.49 - 1.98)	260 (184 - 342)	277 (76 - 527)	0.09 (0.06 - 0.13)	8.32 (5.10 - 12.04)
	Walleye	3 (3)	0.64 (0.40 - 0.93)	339 (323 - 352)	322 (276 - 360)	0.06 (<0.02 - 0.08)	8.58 (5.00 - 12.67)
	Yellow perch	4 (4)	1.07 (0.68 - 1.47)	208 (163 - 259)	138 (52 - 246)	0.04 (0.03 - 0.06)	4.41 (2.59 - 6.47)
	Yellow perch (3)	1	3.40	234	152	<0.05	1.47
	Yellow perch (4)	3 (3)	3.47 (2.86 - 4.36)	250 (244 - 260)	215 (190 - 252)	<0.05 (<0.05 - <0.05)	1.49 (1.15 - 1.75)
	Yellow perch (5)	1	3.60	269	244	<0.05	1.39
Queensbury - NiMo site 4 (211)	Carp	1	27.11	795	16850	2.40	8.83
	Channel catfish	1	12.46	494	1395	0.60	4.78
	Rock bass (4)	2 (2)	0.99 (0.80 - 1.18)	176 (170 - 183)	112 (91 - 133)	<0.05 (<0.05 - <0.05)	5.24 (4.24 - 6.25)
	Rock bass (5)	1	0.82	192	141	<0.05	6.10
	Rock bass (6)	1	1.04	212	211	<0.05	4.81
	Rock bass (8)	1	1.00	218	223	<0.05	5.00
	Smallmouth bass	2 (2)	1.00 (0.83 - 1.16)	308 (276 - 341)	344 (243 - 444)	0.06 (0.03 - 0.08)	5.26 (3.61 - 6.90)
	Walleye	2 (2)	1.40 (1.28 - 1.52)	414 (372 - 457)	596 (450 - 741)	0.06 (0.04 - 0.08)	4.56 (2.57 - 6.56)
	Yellow perch (2)	1	0.23	160	60	<0.05	21.74
	Yellow perch (3)	1	0.77	192	101	<0.05	6.49
	Yellow perch (4)	1	0.85	251	208	<0.05	5.88
	Yellow perch (5)	1	0.87	260	267	<0.05	5.75
	Yellow perch (6)	1	1.33	300	489	<0.05	3.76
Queensbury - NiMo site 5 (212)	Rock bass (4)	1	0.76	176	113	<0.05	6.58
	Rock bass (5)	3 (3)	1.10 (0.76 - 1.40)	190 (176 - 203)	144 (117 - 170)	<0.05 (<0.05 - <0.05)	4.83 (3.57 - 6.58)
	Rock bass (8)	1	0.91	215	226	<0.05	5.50
	Smallmouth bass (4)	1	0.96	265	263	<0.05	5.21
	Smallmouth bass (5)	2 (2)	1.26 (1.24 - 1.29)	290 (284 - 295)	310 (292 - 329)	<0.05 (<0.05 - <0.05)	3.95 (3.88 - 4.03)
	Smallmouth bass (6)	2 (2)	1.39 (1.26 - 1.52)	314 (309 - 319)	413 (371 - 455)	0.08 (<0.05 - 0.12)	6.21 (3.29 - 9.13)
	Yellow perch	7 (7)	1.63 (0.67 - 2.80)	186 (113 - 303)	126 (18 - 406)	0.06 (<0.02 - 0.12)	4.05 (2.85 - 6.73)
Sanford Lake (301) 2000 data for comparison.	Largemouth bass	2 (2)	0.46 (0.42 - 0.50)	247 (239 - 255)	237 (214 - 260)	0.03 (<0.02 - 0.04)	6.68 (4.76 - 8.60)
	Pumpkinseed	1	2.09	172	120	<0.02	0.96
	White sucker	5 (5)	2.73 (1.18 - 6.95)	486 (449 - 522)	1147 (958 - 1300)	0.03 (<0.02 - 0.06)	1.49 (0.63 - 2.69)

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

Table 4. Summary of PCB concentrations in invertebrates collected in 1999 from the Hudson River in the vicinity of the Remnant Deposits near Fort Edward, New York.

Location (Approximate river mile)	Species	Samples (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Remnant 5 South (194) East bank	Case-making caddis fly larvae	25 (1)	4.80	-	4	4.25	88.52
	Crayfish spp.	10 (4)	1.36 (0.92 - 1.83)	7 (5 - 9)	9 (6 - 14)	5.98 (3.39 - 9.55)	456.49 (233.88 - 816.24)
	Damselfly larvae	39 (1)	2.61	-	3	0.92	35.13
	Hellgrammite spp.	7 (4)	3.36 (1.72 - 4.45)	-	7 (2 - 8)	2.53 (1.31 - 4.60)	74.88 (47.70 - 103.37)
Remnant 5 North (194) East bank	Case-making caddis fly larvae	151 (3)	3.32 (3.22 - 3.45)	-	8 (7 - 8)	2.65 (2.37 - 2.95)	79.86 (71.82 - 91.62)
	Crayfish spp.	3 (2)	1.09 (0.66 - 1.94)	7 (6 - 8)	3 (2 - 4)	0.76 (0.44 - 1.42)	68.44 (66.06 - 73.20)
	Hellgrammite spp.	8 (4)	3.76 (2.30 - 5.36)	-	6 (3 - 7)	1.61 (1.10 - 2.39)	43.67 (34.91 - 47.96)
	Odonata spp.	15 (1)	2.30	-	2	0.25	10.96
	Unionid calm	1	0.45	81	68	0.09	19.56
Remnant 4 South (194) West bank	Case-making caddis fly larvae	85 (2)	3.99 (3.62 - 4.36)	-	6 (6 - 7)	1.17 (1.13 - 1.20)	29.40 (27.59 - 31.24)
	Crayfish spp.	8 (3)	1.43 (1.38 - 1.48)	7 (5 - 8)	3 (1 - 6)	0.54 (0.44 - 0.76)	37.88 (31.88 - 51.42)
	Helisoma spp. - snail	184 (2)	0.36 (0.35 - 0.38)	-	27 (19 - 35)	0.10 (0.08 - 0.12)	28.53 (22.37 - 33.71)
	Physa spp. - snail	180 (2)	0.52 (0.49 - 0.56)	-	11 (10 - 13)	0.18 (0.15 - 0.22)	34.78 (30.61 - 40.00)
Remnant 4 North (195) West bank	Lymnaeid spp. - snail	420 (4)	0.65 (0.61 - 0.69)	-	13 (10 - 14)	0.28 (0.16 - 0.41)	43.41 (22.75 - 63.44)
	Physa spp. - snail	110 (1)	0.70	-	13	0.08	10.71
Remnant 3 South (195) East bank	Case-making caddis fly larvae	200 (4)	4.29 (4.10 - 4.39)	-	8 (8 - 9)	5.68 (5.13 - 6.07)	132.16 (125.12 - 140.84)
	Crayfish spp.	7 (2)	1.31 (1.28 - 1.35)	6 (5 - 7)	3 (2 - 4)	2.25 (1.93 - 2.68)	171.32 (150.86 - 198.59)
	Helisoma spp. - snail	108 (2)	0.45 (0.42 - 0.48)	-	23 (22 - 23)	0.47 (0.44 - 0.49)	103.65 (102.29 - 105.00)
	Lymnaeid spp. - snail	50 (1)	0.46	-	13	1.22	264.78
	Physa spp. - snail	50 (1)	0.51	-	7	1.14	224.51
Remnant 3 Middle (195) East bank	Case-making caddis fly larvae	120 (3)	4.19 (3.72 - 4.64)	-	8 (4 - 9)	6.37 (5.59 - 7.07)	152.01 (140.95 - 158.17)
	Crayfish spp.	2 (1)	1.05	9	6	1.85	176.19
	Damselfly larvae	25 (1)	2.07	-	1	1.01	48.79
	Helisoma spp. - snail	42 (1)	0.33	-	17	0.30	92.12
	Hellgrammite spp.	2 (1)	1.59	-	2	1.78	111.95
	Lymnaeid spp. - snail	40 (1)	0.49	-	4	0.88	180.61
	Physa spp. - snail	200 (2)	0.53 (0.52 - 0.55)	-	10 (10 - 10)	1.04 (1.02 - 1.07)	195.06 (194.73 - 195.38)

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected. If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

Table 4. (continued)

Location (Approximate river mile)	Species	Samples (Analyses)*	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Remnant 3 North (195) East bank	Hellgrammite spp.	19 (5)	2.49 (1.46 - 4.65)	-	3 (1 - 6)	3.36 (1.28 - 9.64)	116.97 (87.67 - 207.31)
	Web-spinning caddis fly larvae	800 (8)	4.62 (3.34 - 5.81)	-	7 (6 - 7)	4.57 (3.78 - 6.01)	100.77 (75.39 - 124.71)
Remnant 2 South (195) West bank	Case-making caddis fly larvae	142 (3)	3.74 (3.63 - 3.83)	-	7 (6 - 8)	1.99 (1.82 - 2.09)	53.34 (47.60 - 57.66)
	Crayfish spp.	12 (4)	0.94 (0.60 - 1.10)	7 (5 - 10)	9 (7 - 10)	0.31 (0.19 - 0.46)	33.62 (17.64 - 42.27)
	Hellgrammite spp.	8 (4)	4.51 (3.36 - 5.93)	-	5 (2 - 7)	1.05 (0.63 - 1.56)	22.74 (18.63 - 26.31)
	Lymnaeid spp. - snail	200 (4)	0.51 (0.45 - 0.60)	-	7 (6 - 7)	0.13 (0.10 - 0.17)	27.18 (18.46 - 37.56)
	Odonata spp.	35 (1)	2.28	-	4	0.16	6.97
	Physa spp. - snail	100 (2)	0.53 (0.45 - 0.61)	-	8 (5 - 10)	0.13 (0.12 - 0.15)	26.14 (19.84 - 32.44)
Remnant 2 North (195) West bank	Crayfish spp.	2 (1)	1.69	8	7	0.10	5.74
	Helisoma spp. - snail	15 (1)	0.58	-	6	0.07	12.41
	Hellgrammite spp.	3 (3)	4.28 (3.22 - 5.45)	-	3 (3 - 4)	0.52 (0.32 - 0.74)	12.23 (8.97 - 17.81)
	Lymnaeid spp. - snail	200 (4)	0.64 (0.59 - 0.78)	-	8 (8 - 8)	0.09 (0.07 - 0.11)	13.78 (11.52 - 14.62)
	Physa spp. - snail	124 (2)	0.66 (0.66 - 0.67)	-	13 (12 - 14)	0.14 (0.13 - 0.15)	21.04 (19.24 - 22.84)
	Web-spinning caddis fly larvae	300 (3)	3.96 (3.66 - 4.48)	-	6 (6 - 6)	0.37 (0.34 - 0.40)	9.27 (8.86 - 9.71)
at GE 004 outfall (195) East bank	Hellgrammite spp.	11 (4)	3.92 (2.17 - 5.82)	-	12 (9 - 14)	7.57 (1.58 - 20.19)	161.15 (68.11 - 346.91)
	Web-spinning caddis fly larvae	300 (3)	5.84 (5.61 - 6.07)	-	6 (6 - 6)	5.32 (2.42 - 10.15)	92.99 (39.84 - 180.93)
above 004 outfall (195) East bank	Case-making caddis fly larvae	32 (1)	4.20	-	4	2.72	64.86
	Hellgrammite spp.	11 (4)	3.41 (2.00 - 5.65)	-	10 (7 - 14)	0.92 (0.58 - 1.16)	28.67 (20.55 - 37.15)
	Lymnaeid spp. - snail	112 (1)	0.44	-	16	0.14	30.91
	Physa spp. - snail	108 (1)	0.52	-	12	0.16	30.58
	Web-spinning caddis fly larvae	300 (3)	6.50 (6.17 - 6.83)	-	7 (6 - 7)	0.97 (0.90 - 1.00)	14.86 (14.65 - 15.24)

*Values represent the number of organisms collected; the parenthetic value is the number of analysis resulting from the total number collected.
If the parenthetic number is less than the total collected, then some organisms were composited for analytical purposes.

Table 5. Summary of PCB results for Atlantic tomcod collected from the Hudson River in January and February, 2000. Fillet and liver samples were taken from the same fish and analyzed individually.

Location (River Mile)	Tissue (Fish Age)	Number Analyzed	Percent Lipid	Fish Length (mm)	Fish Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Tarrytown (24)	Fillet (1)	1	0.91	184	42	1.18	129.67
	Liver (1)	1	7.68	-	-	9.50	123.70
	Fillet (2)	1	0.52	304	419	0.40	76.35
	Liver (2)	1	7.18	-	-	5.44	75.77
West point (52)	Fillet (1)	8	0.94 (0.67 - 1.06)	200 (190 - 214)	78 (47 - 147)	0.50 (0.28 - 0.73)	53.25 (32.18 - 86.67)
	Liver (1)	8	15.72 (4.61 - 31.30)	-	-	8.16 (1.65 - 17.17)	50.65 (30.22 - 82.95)
	Fillet (2)	2	0.68 (0.64 - 0.71)	294 (276 - 312)	218 (186 - 249)	0.34 (0.33 - 0.36)	50.89 (50.84 - 50.94)
	Liver (2)	2	14.60 (9.31 - 19.90)	-	-	7.46 (6.04 - 8.89)	54.77 (44.67 - 64.88)
Garrison (52)	Fillet (1)	10	0.90 (0.66 - 1.17)	202 (173 - 218)	74 (34 - 119)	0.51 (0.27 - 0.86)	55.01 (32.26 - 79.22)
	Liver (1)	10	14.92 (6.28 - 33.90)	-	-	9.35 (2.77 - 17.49)	59.31 (34.07 - 86.14)

Location (River Mile)	Tissue (Fish Age)	Number Analyzed	Tissue Weight (g)	Amount PCB (ug)
Tarrytown (24)	Fillet (1)	1	20.7	24.60
	Liver (1)	1	0.6	5.80
	Fillet (2)	1	109.8	43.57
	Liver (2)	1	7.3	39.44
West point (52)	Fillet (1)	8	34.4 (26.3 - 49.0)	16.47 (10.87 - 21.40)
	Liver (1)	8	1.9 (0.9 - 5.1)	11.22 (4.04 - 17.17)
	Fillet (2)	2	109.0 (90.1 - 127.9)	37.77 (29.39 - 46.15)
	Liver (2)	2	8.3 (7.1 - 9.4)	60.02 (57.02 - 63.03)
Garrison (52)	Fillet (1)	10	32.8 (19.2 - 41.7)	15.72 (9.12 - 24.17)
	Liver (1)	10	2.0 (0.6 - 7.9)	13.34 (4.29 - 27.65)

Table 6. Interlaboratory comparisons of PCB and lipid analyses between Northeast Analytical (NEA) Schenectady, New York and Mississippi State Chemical Laboratory (MSCL), Mississippi State, Mississippi involving fish collected from two locations in the Hudson River in 1999.

Location (River mile)	Species	Analyzed	Percent Lipid		Total PCB (ppm)		Lipid Based PCB (ppm)	
			NEA	MSCL	NEA	MSCL	NEA	MSCL
Griffin Island (189)	Brown bullhead	20 (20)	3.60 (1.08 - 6.52)	2.98 (0.95 - 5.95)	13.26 (3.92 - 30.61)	11.23 (4.65 - 28.96)	383.32 (118.86 - 720.10)	403.75 (142.86 - 841.86)
	Largemouth bass	21 (21)	1.94 (0.45 - 4.10)	1.68 (0.38 - 3.97)	21.26 (6.96 - 113.55)	20.75 (5.29 - 152.51)	1072.62 (345.89 - 3559.52)	1124.71 (322.32 - 4485.59)
Coveville (176)	Bullhead catfish	20 (20)	3.18 (0.56 - 6.86)	3.11 (1.03 - 6.19)	5.68 (1.15 - 14.73)	5.59 (1.16 - 11.85)	175.40 (76.39 - 346.81)	177.59 (91.87 - 280.29)
	Largemouth bass	19 (19)	1.32 (0.47 - 3.66)	0.93 (0.23 - 1.96)	6.37 (1.10 - 23.08)	4.88 (0.70 - 17.32)	479.71 (90.40 - 1208.64)	503.02 (161.86 - 895.35)
	Yellow perch	11 (11)	1.31 (1.04 - 1.77)	1.04 (0.59 - 1.60)	1.75 (0.93 - 3.85)	1.36 (0.67 - 3.23)	133.76 (72.66 - 248.59)	131.01 (81.19 - 248.46)

NEA = Northeast Analytical Laboratory congeneric analyses.

MSCL = Mississippi State Chemical Laboratory 'Aroclor' analyses.

Table 7. Summary of 1999 total PCB results on fish collected from the Hudson River generated as congeneric analyses by Severn Trent Laboratory (STL), Colchester, VT.

Location (Approximate River Mile)	Species (age)	Number Analyzed	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)
Newburgh Bay- Denning Point (59)	Pumpkinseed (1)	5	2.34 (1.00 - 3.60)	122 (119 - 125)	34 (32 - 38)	0.70 (0.38 - 0.92)	38.95 (10.51 - 90.17)
	White perch	5	2.78 (1.80 - 4.10)	195 (175 - 233)	104 (72 - 170)	1.64 (1.16 - 2.75)	61.96 (36.53 - 94.88)
Newburgh (60)	White perch	5	0.66 (0.20 - 1.10)	206 (193 - 214)	105 (90 - 122)	0.57 (0.24 - 1.02)	92.86 (61.01 - 118.14)
Poughkeepsie (76)	White perch	5	0.94 (0.40 - 2.50)	201 (189 - 236)	114 (84 - 204)	0.72 (0.37 - 1.46)	93.66 (58.27 - 151.58)
	Yellow perch	5	0.22 (0.10 - 0.30)	237 (175 - 312)	165 (58 - 336)	0.37 (0.24 - 0.55)	209.31 (79.61 - 527.69)
Poughkeepsie - above Marist College (76)	Pumpkinseed (1)	5	3.14 (2.90 - 3.90)	115 (104 - 124)	26 (18 - 34)	1.59 (1.27 - 2.10)	50.34 (43.72 - 53.92)
Catskill (113)	Largemouth bass	10	2.42 (0.60 - 3.90)	418 (310 - 480)	1261 (472 - 1880)	2.87 (0.79 - 7.37)	146.21 (23.60 - 614.07)
	White perch	10	1.71 (0.80 - 3.00)	209 (191 - 227)	122 (88 - 166)	0.97 (0.33 - 1.44)	60.70 (41.55 - 95.76)
	Yellow perch	10	0.94 (0.40 - 2.30)	199 (114 - 262)	97 (14 - 236)	0.63 (0.12 - 1.33)	106.47 (17.81 - 333.74)
Albany - South turning basin (142)	Pumpkinseed (0)	4	1.90 (0.80 - 2.80)	84 (82 - 87)	11 (10 - 12)	0.97 (0.63 - 1.33)	55.51 (47.18 - 78.35)
	Pumpkinseed (1)	1	1.50	116	28	1.07	71.50
Troy - below Federal Dam (153)	White perch	5	2.60 (1.70 - 3.40)	206 (192 - 224)	136 (108 - 176)	2.68 (1.14 - 4.07)	107.01 (49.65 - 156.04)
Stillwater (168)	Pumpkinseed (1)	5	2.44 (1.40 - 3.40)	106 (82 - 115)	25 (11 - 31)	3.25 (2.18 - 5.75)	157.09 (64.21 - 338.21)
Coveville (176)	Largemouth bass	10	1.18 (0.20 - 1.80)	392 (259 - 449)	957 (254 - 1294)	3.55 (0.68 - 9.60)	351.14 (85.22 - 817.30)
	Yellow perch	10	0.50 (0.10 - 1.00)	244 (205 - 301)	183 (92 - 340)	1.21 (0.53 - 2.55)	347.81 (84.46 - 1010.04)
Griffin island (189)	Largemouth bass	5	1.42 (0.70 - 2.40)	370 (238 - 422)	975 (548 - 1406)	12.35 (5.71 - 18.36)	952.90 (507.02 - 1654.92)
	Pumpkinseed (1)	5	1.82 (0.70 - 2.30)	109 (105 - 116)	24 (21 - 28)	2.76 (1.89 - 4.13)	176.71 (94.29 - 326.99)
	Yellow perch	5	0.76 (0.60 - 1.10)	268 (244 - 300)	267 (192 - 314)	2.54 (1.57 - 4.37)	331.98 (224.23 - 396.85)

Table 8. Correlations of total PCB with length, weight and percent lipid for several species from several locations collected in the Hudson River in 1999. Age data were not available for most species/locations.

Location (rivermile)	Species	Number	Length	Weight	Lipid
Above Feeder Dam	Brown bullhead	16	0.59*	0.50*	0.68**
	Smallmouth bass	19	-0.02	0.05	0.64**
	Yellow perch	20	-0.02	-0.22	-0.15
Above Bakers Falls at Hudson Falls Plant Pumphouse	Brown bullhead	10	-0.10	0.02	0.42
	Rock bass	35	0.10	-0.04	0.41*
	Redbreast sunfish	12	-0.58*	-0.51	0.15
	Smallmouth bass	9	0.77*	0.82**	0.78*
Griffin Island - Thompson Island Pool	Brown bullhead	20	0.05	0.04	0.38
	Largemouth bass	21	0.31	0.44*	0.61**
	Yellow perch	20	0.05	0.00	0.68**
Fort Miller Pool	Yellow perch	13	0.11	0.00	0.33
Stillwater/Coveville	Brown bullhead	18	0.12	0.06	0.86**
	Largemouth bass	29	0.17	0.18	0.61**
	Yellow perch	30	0.24	0.31	0.29
Below Federal Dam at Troy	American eel	10	0.41	0.24	-0.10
	Smallmouth bass	18	0.88**	0.86**	0.68**
Catskill Creek - near mouth	Largemouth bass	15	0.73**	0.74**	0.52*
	White perch	11	0.01	0.02	0.47
	Yellow perch	16	0.14	0.14	0.12
Catskill Creek - in river	Largemouth bass	9	0.52	0.52	0.32
	White perch	19	-0.47*	-0.42	0.25
	Yellow perch	14	-0.51	-0.57*	0.52
Above Marist College	Pumpkinseed ¹	13	0.15	0.04	0.04
	White perch	13	0.15	0.04	0.78**
At Marist College	Pumpkinseed ²	23	0.85**	0.71**	-0.06
	White perch	11	-0.37	-0.51	0.87**
Poughkeepsie - general	White perch	20	0.13	0.29	0.89**
Newburgh - general	American eel	18	0.69**	0.66**	0.71**
	Brown bullhead	18	0.25	0.22	0.68**
	White perch	20	-0.40	-0.41	0.16
Denning Point	Pumpkinseed	44	-0.26	-0.31	0.40**
Tappan Zee Bridge	White perch	22	0.10	-0.05	0.61**

* P < 0.05 ** P < 0.01 ¹corr. w/ age = 0.59 ²corr. w/ age = 0.76**

Table 9A. Mean lipid based PCB values and corresponding upper and lower 95% confidence limits for biota collected at 65 locations in the Hudson River in 1999.

River Mile	Number	Mean	Lower Limit	Upper Limit
13	40	16.78	14.18	19.86
21.1	26	53.95	43.78	66.49
21.2	42	20.72	17.58	24.42
21.3	47	70.44	60.30	82.29
21.9	17	31.27	24.15	40.49
22.1	24	37.92	30.51	47.13
23.1	16	63.99	49.02	83.52
23.2	18	50.48	39.27	64.89
24.8	45	39.73	33.90	46.57
27	107	23.56	21.25	26.11
34.2	38	30.35	25.54	36.08
40.1	40	23.71	20.03	28.06
47	29	38.58	31.66	47.03
52.3	7	26.50	17.72	39.65
54.3	53	46.54	40.20	53.87
59.5	56	36.21	31.40	41.75
60	91	48.29	43.18	53.99
73.1	8	18.27	12.54	26.63
75.7	89	43.05	38.45	48.20
76.8	51	58.34	50.26	67.73
77.5	56	52.85	45.83	60.94
88.2	44	37.53	31.96	44.07
100	59	36.19	31.50	41.57
113	118	77.51	70.27	85.50
122.1	40	57.39	48.49	67.92
132.7	46	39.53	33.78	46.26
135	48	78.38	67.21	91.41
142	12	30.54	22.45	41.53
153.2	117	87.10	78.93	96.12
157	21	104.59	82.89	131.97
157.9	14	143.22	107.72	190.41
158.5	12	126.05	92.67	171.45
160.8	33	109.70	91.13	132.06
162.1	40	145.28	122.76	171.95
165.6	32	124.47	103.10	150.27
167.7	62	180.02	157.23	206.10
176	86	217.70	194.06	244.20
185.1	50	312.95	269.17	363.85
186	39	234.82	197.99	278.52
189.1	73	413.63	365.12	468.57
189.4	12	124.10	91.24	168.80
192.1	18	246.31	191.61	316.64
193.2	45	637.16	543.58	746.86
194.1	37	116.64	97.90	138.98
194.3	16	49.18	37.68	64.19
194.4	30	30.52	25.12	37.07
195	20	25.54	20.13	32.41
195.3	39	144.09	121.48	170.89
195.4	20	134.12	105.68	170.20
195.5	32	30.29	25.09	36.57
195.6	22	125.25	99.80	157.20
195.7	22	111.03	88.46	139.34
195.8	21	24.76	19.62	31.24
196	36	17.21	14.41	20.55
196.1	66	527.23	462.42	601.13
196.2	17	26.55	20.50	34.38
196.3	10	105.95	75.64	148.41
197.3	7	4.94	3.30	7.39
204.2	75	9.07	8.02	10.26
209.5	15	6.44	4.89	8.48
210	29	31.89	26.17	38.87
210.1	35	4.55	3.80	5.44
211.2	16	5.70	4.37	7.44
212	17	4.49	3.46	5.81
301	8	1.89	1.30	2.76

Table 9B. Least Significant Differences (LSD) for comparisons among means by location from the analysis of variance for log10 lipid based PCB in biota from 65 locations from the Hudson River in 1999.

River Mile	Number of Analyses	Geometric Mean	Homogeneous Groups
301	8	1.89	X
212	17	4.49	X
210.1	35	4.55	X
197.3	7	4.94	X
211.2	16	5.70	X
209.5	15	6.44	XX
204.2	75	9.07	X
13	40	16.78	X
196	36	17.21	XX
73.1	8	18.27	XXXX
21.2	42	20.72	XXX
27	107	23.56	XX
40.1	40	23.71	XXX
195.8	21	24.76	XXXXXX
195	20	25.54	XXXXXX
52.3	7	26.50	XXXXXXXXXX
196.2	17	26.55	XXXXXX
195.5	32	30.29	XXXX
34.2	38	30.35	XXXX
194.4	30	30.52	XXXX
142	12	30.54	XXXXXXXXXX
21.9	17	31.27	XXXXXXXX
210	29	31.89	XXXXXX
100	59	36.19	XXXXXX
59.5	56	36.21	XXXXXX
88.2	44	37.53	XXXXXX
22.1	24	37.92	XXXXXXXXXX
47	29	38.58	XXXXXXXXXX
132.7	46	39.53	XXXXXXXX
24.8	45	39.73	XXXXXXXX
75.7	89	43.05	XXXXXXXX
54.3	53	46.54	XXXXXX
60	91	48.29	XXXXXX
194.3	16	49.18	XXXXXXXXXX
23.2	18	50.48	XXXXXXXXXX
77.5	56	52.85	XXXX
21.1	26	53.95	XXXXXX
122.1	40	57.39	XXX
76.8	51	58.34	XXX
23.1	16	63.99	XXXXXX
21.3	47	70.44	XXX
113	118	77.51	X
137	48	78.38	XXX
153.2	117	87.10	XX
157	21	104.59	XXX
196.3	10	105.95	XXX
160.8	33	109.70	XX
195.7	22	111.03	XX
194.1	37	116.64	X
189.4	12	124.10	XXX
165.6	32	124.47	X
195.6	22	125.25	XX
158.5	12	126.05	XXX
195.4	20	134.12	XX
157.9	14	143.22	XXX
195.3	39	144.09	XX
162.1	40	145.28	XX
167.7	62	180.02	XXX
176	86	217.70	XX
186	39	234.82	XX
192.1	18	246.31	XX
185.1	50	312.95	X
189.1	73	413.63	X
196.1	66	527.23	XX
193.2	45	637.16	X

Table 10. Summary of PCB concentrations in standard fillets and livers of fish collected from several locations in the Hudson River in 1999.

Location (Aproximate River Mile)	Species	Number Analyzed	Percent Lipid	Length (mm)	Weight (g)	Total PCB	Lipid PCB	
Catskill (113)	Largemouth bass	5 (5)	2.29 (0.74 - 3.28)	449 (408 - 480)	1458 (1132 - 1880)	4.94 (0.70 - 7.34)	220.13 (94.60 - 461.64)	
	Largemouth bass liver	5 (5)	3.67 (2.98 - 4.93)	-	-	4.41 (2.07 - 8.40)	116.88 (69.46 - 233.33)	
	Striped bass	5 (5)	2.94 (0.95 - 5.88)	712 (497 - 933)	4285 (1170 - 9072)	2.74 (0.37 - 5.90)	138.40 (21.09 - 361.05)	
	Striped bass liver	5 (5)	6.60 (3.07 - 13.60)	-	-	3.58 (0.30 - 6.80)	73.82 (9.68 - 184.04)	
	White perch	5 (5)	1.09 (0.76 - 1.38)	211 (201 - 223)	118 (104 - 136)	1.34 (0.84 - 1.85)	121.25 (93.48 - 152.50)	
	White perch liver	5 (5)	2.63 (2.00 - 3.46)	-	-	0.94 (0.67 - 1.17)	36.23 (26.38 - 47.50)	
	Yellow perch	5 (5)	0.57 (0.39 - 0.78)	218 (203 - 245)	104 (84 - 132)	1.13 (0.28 - 2.02)	231.95 (35.64 - 429.79)	
	Yellow perch liver	5 (5)	2.61 (2.01 - 3.10)	-	-	2.81 (0.23 - 5.27)	97.92 (11.59 - 170.00)	
	Troy - below Federal Dam (153)	Brown bullhead	4 (4)	4.82 (3.94 - 5.71)	331 (307 - 367)	574 (406 - 778)	3.30 (1.53 - 5.08)	68.09 (34.54 - 90.86)
		Brown bullhead liver	4 (4)	1.88 (1.50 - 2.71)	-	-	0.77 (0.27 - 1.33)	40.28 (16.54 - 60.67)
Smallmouth bass		5 (5)	1.48 (0.62 - 2.72)	457 (428 - 486)	1156 (862 - 1384)	7.61 (4.73 - 10.52)	571.41 (386.76 - 762.90)	
Smallmouth bass liver		5 (5)	3.62 (3.07 - 4.13)	-	-	13.24 (8.30 - 16.50)	364.71 (270.36 - 445.40)	
Striped bass		5 (5)	2.93 (0.60 - 6.42)	598 (547 - 680)	2489 (1670 - 3442)	2.41 (1.63 - 3.31)	167.50 (36.29 - 367.78)	
Striped bass liver		5 (5)	6.03 (3.34 - 12.70)	-	-	4.50 (1.53 - 9.36)	98.19 (22.76 - 194.61)	
White perch		5 (5)	2.79 (1.99 - 4.40)	206 (192 - 224)	136 (108 - 176)	3.34 (1.60 - 4.17)	129.11 (70.48 - 197.99)	
White perch liver		5 (5)	3.07 (2.36 - 4.28)	-	-	1.31 (0.70 - 1.92)	43.59 (21.43 - 55.12)	
Yellow perch		1	1.78	138	28	3.67	206.18	
Yellow perch liver		1	3.49	-	-	4.28	122.64	

Table 10. (Continued)

Location (Aproximate River Mile)	Species	Number Analyzed	Percent Lipid	Length (mm)	Weight (g)	Total PCB	Lipid PCB	
Coveville (176)	Brown bullhead	4 (4)	2.94 (1.84 - 4.54)	333 (324 - 347)	582 (536 - 620)	5.07 (2.11 - 11.85)	156.72 (91.87 - 261.01)	
	Brown bullhead liver	4 (4)	1.70 (1.18 - 2.29)	-	-	1.96 (0.60 - 3.55)	111.13 (51.02 - 155.02)	
	Largemouth bass	5 (5)	0.71 (0.23 - 1.76)	388 (259 - 449)	916 (254 - 1280)	2.83 (0.70 - 8.94)	333.86 (161.86 - 507.96)	
	Largemouth bass liver	5 (5)	2.38 (1.89 - 2.77)	-	-	5.92 (2.67 - 8.70)	242.29 (141.27 - 314.08)	
	Yellow bullhead	1	2.98	300	520	4.50	151.01	
	Yellow bullhead liver	1	2.21	-	-	1.19	54.03	
	Yellow perch	5 (5)	1.03 (0.84 - 1.23)	199 (144 - 264)	135 (38 - 276)	1.12 (0.49 - 1.94)	109.06 (46.23 - 202.08)	
	Yellow perch liver	5 (5)	4.09 (2.81 - 5.49)	-	-	3.49 (1.02 - 6.78)	86.37 (30.03 - 139.51)	
	Griffin Island (189)	Brown bullhead	5 (5)	3.46 (2.27 - 5.95)	324 (312 - 363)	470 (374 - 650)	11.76 (4.65 - 19.00)	376.15 (187.38 - 669.91)
		Brown bullhead liver	5 (5)	2.22 (1.46 - 2.77)	-	-	2.81 (1.19 - 5.10)	126.45 (50.11 - 224.89)
Largemouth bass		5 (5)	1.39 (0.76 - 2.34)	370 (238 - 422)	975 (548 - 1406)	8.80 (5.29 - 15.02)	712.83 (365.81 - 1317.54)	
Largemouth bass liver		5 (5)	2.62 (2.21 - 2.95)	-	-	7.74 (5.49 - 12.60)	297.14 (197.97 - 456.52)	
Yellow perch		5 (5)	0.79 (0.63 - 1.09)	268 (244 - 300)	267 (192 - 314)	3.58 (1.75 - 9.97)	408.71 (246.48 - 914.68)	
Yellow perch liver		5 (5)	4.43 (2.56 - 5.59)	-	-	20.03 (6.42 - 30.10)	428.07 (250.78 - 589.04)	

Table 11. Summary of PCB results for blue crab collected from the Hudson River in 1999. Hepatopancreas and leg muscle samples were taken from the same crab and analyzed individually.

Location (River mile)	Tissue	Number Analyzed	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)
Hastings - South slip (21.1)	Hepatopancreas	1	15.90	128	124	3.43
	Leg muscle	1	0.15	128	124	0.02
	Whole body	6 (4)	1.61 (0.83 - 2.74)	60 (40 - 96)	20 (5 - 52)	0.49 (0.25 - 0.72)
Hastings - North slip (21.2)	Hepatopancreas	11 (11)	9.52 (1.98 - 16.10)	130 (111 - 159)	137 (76 - 208)	1.69 (0.79 - 2.99)
	Leg muscle	11 (11)	0.28 (0.09 - 0.56)	130 (111 - 159)	137 (76 - 208)	0.02 (<0.01 - 0.04)
	Whole body	1	1.30	38	4	0.34
Hastings - at the abandoned marina (21.3)	Hepatopancreas	4 (4)	12.85 (10.90 - 14.20)	126 (96 - 149)	120 (64 - 184)	3.41 (2.48 - 4.50)
	Leg muscle	4 (4)	0.38 (0.17 - 0.60)	126 (96 - 149)	120 (64 - 184)	0.07 (0.04 - 0.13)
	Whole body	31 (5)	1.49 (1.02 - 2.46)	55 (55 - 55)	12 (8 - 18)	1.15 (0.33 - 1.36)
Hastings - between abandoned marina and the park (21.4)	Whole body	46 (6)	1.49 (0.85 - 2.93)	-	7 (3 - 15)	0.23 (0.19 - 0.35)
Hastings-on-Hudson (22)	Hepatopancreas	2 (2)	8.57 (7.38 - 9.77)	135 (126 - 144)	136 (126 - 146)	1.80 (1.60 - 2.01)
	Leg muscle	2 (2)	0.46 (0.38 - 0.54)	135 (126 - 144)	136 (126 - 146)	0.06 (0.05 - 0.08)
	Whole body	15 (4)	1.27 (1.05 - 1.45)	44 (17 - 66)	7 (2 - 18)	0.19 (0.15 - 0.23)
Above Dobbs Ferry (23)	Whole body	7 (3)	1.47 (1.44 - 1.48)	50 (35 - 68)	10 (4 - 20)	0.28 (0.27 - 0.28)
Tappan Zee Bridge (27)	Hepatopancreas	5 (5)	20.96 (17.70 - 24.30)	124 (95 - 145)	116 (40 - 200)	3.51 (1.83 - 6.37)
	Leg muscle	5 (5)	0.29 (0.17 - 0.45)	124 (95 - 145)	116 (40 - 200)	0.04 (0.02 - 0.06)
Constitution Island (52)	Hepatopancreas	4 (4)	9.52 (1.88 - 15.90)	120 (104 - 135)	112 (66 - 138)	2.78 (1.37 - 4.43)
	Leg muscle	4 (4)	0.36 (0.28 - 0.47)	120 (104 - 135)	112 (66 - 138)	0.07 (0.05 - 0.09)
	Whole body	2 (2)	0.86 (0.73 - 0.99)	78 (61 - 95)	26 (10 - 42)	0.20 (0.17 - 0.22)
Newburgh Bay (60)	Hepatopancreas	4 (4)	16.42 (15.40 - 18.00)	115 (104 - 125)	90 (60 - 110)	2.52 (2.02 - 3.14)
	Leg muscle	4 (4)	0.41 (0.28 - 0.55)	115 (104 - 125)	90 (60 - 110)	0.04 (<0.01 - 0.08)
Tivoli Bay (100)	Hepatopancreas	6 (6)	9.33 (5.52 - 14.40)	113 (93 - 142)	81 (34 - 146)	1.03 (0.87 - 1.16)
	Leg muscle	6 (6)	0.45 (0.34 - 0.65)	113 (93 - 142)	81 (34 - 146)	0.06 (0.03 - 0.11)
Troy - below the Federal Dam (153)	Hepatopancreas	1	22.10	115	53	1.35
	Leg muscle	1	0.25	115	53	0.04

Table 11. (Continued)

Location (River mile)	Tissue	Number Analyzed	Lipid PCB (ppm)	Lipid 1254+ (ppm)	Percent 1254+
Hastings - South slip (21.1)	Hepatopancreas	1	21.57	15.97	74.04
	Leg muscle	1	13.33	10.00	75.02
	Whole body	6 (4)	32.52 (21.17 - 40.84)	23.43 (11.68 - 38.31)	72.05
Hastings - North slip (21.2)	Hepatopancreas	11 (11)	22.77 (9.12 - 51.32)	14.52 (4.37 - 40.35)	63.77
	Leg muscle	11 (11)	7.82 (3.03 - 12.94)	3.90 (0.89 - 6.47)	49.87
	Whole body	1	26.15	14.69	56.18
Hastings - at the abandoned marina (21.3)	Hepatopancreas	4 (4)	26.43 (21.97 - 32.37)	19.99 (16.06 - 28.27)	75.63
	Leg muscle	4 (4)	17.99 (12.19 - 24.71)	11.53 (6.83 - 17.50)	64.09
	Whole body	31 (5)	81.50 (13.37 - 106.76)	56.23 (9.59 - 94.12)	68.99
Hastings - between abandoned marina and the park (21.4)	Whole body	46 (6)	17.31 (10.82 - 25.28)	14.03 (9.28 - 20.66)	81.05
Hastings-on-Hudson (22)	Hepatopancreas	2 (2)	21.80 (16.38 - 27.22)	15.40 (9.93 - 20.87)	70.64
	Leg muscle	2 (2)	14.03 (13.42 - 14.63)	5.55 (3.68 - 7.41)	39.56
	Whole body	15 (4)	15.39 (10.28 - 20.54)	12.01 (8.33 - 17.39)	78.04
Above Dobbs Ferry (23)	Whole body	7 (3)	18.81 (18.65 - 18.96)	13.55 (12.77 - 14.38)	72.04
Tappan Zee Bridge (27)	Hepatopancreas	5 (5)	16.42 (10.34 - 29.49)	11.83 (8.02 - 22.08)	72.05
	Leg muscle	5 (5)	12.08 (8.44 - 17.33)	6.00 (1.43 - 15.67)	49.67
Constitution Island (52)	Hepatopancreas	4 (4)	39.43 (20.00 - 72.87)	27.76 (9.71 - 51.06)	70.40
	Leg muscle	4 (4)	18.42 (12.75 - 24.52)	9.88 (5.25 - 17.42)	53.64
	Whole body	2 (2)	22.77 (22.12 - 23.42)	14.04 (11.51 - 16.57)	61.66
Newburgh Bay (60)	Hepatopancreas	4 (4)	15.51 (11.22 - 19.61)	11.07 (7.83 - 15.25)	71.37
	Leg muscle	4 (4)	9.27 (3.33 - 15.27)	4.00 (1.67 - 7.45)	43.15
Tivoli Bay (100)	Hepatopancreas	6 (6)	12.00 (7.99 - 16.07)	7.56 (4.86 - 11.50)	63.00
	Leg muscle	6 (6)	14.23 (6.31 - 31.67)	5.11 (1.47 - 12.5)	35.91
Troy - below the Federal Dam (153)	Hepatopancreas	1	6.11	1.86	30.44
	Leg muscle	1	17.20	5.20	30.23

Table 12. Summary of results on metals and organochlorines in organisms collected in 1999 from the Hudson River in the ponded backwater area associated with the Ciba-Geigy RCRA site.

Organochlorines

Location	Species (whole w/o liver)	Number Analyzed	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)	Lipid PCB (ppm)	DDE (ppm)*
Backwater area - large pond	Chain pickerel	1	0.38	318	158	0.04	10.53	0.005
	Golden shiner	1	3.96	226	145	0.09	2.37	0.01
	Pumpkinseed**	3	3.20 (2.94 - 3.52)	164.3 (125 - 194)	110.7(52 - 182)	0.12 (0.05 - 0.22)	3.67 (1.74 - 6.90)	0.018

* The following compounds were less than the detection limits in parentheses as ppm:

DDD, DDT, HCB (0.002), oxychlordane (0.01), trans-chlordane, cis-chlordane, trans-nonachlor, endrin, dieldrin, photomirex (0.005), mirex (0.002)

** Minor components: HCB (0.002), trans-nonachlor (0.028), dieldrin (0.016) all as ppm.

Metals

Location	Species	Number Analyzed	Cd (ppm)	Pb (ppm)	Hg (ppm)
Large pond	Chain pickerel (liver)	1	4.09	0.35	0.42
	(whole w/o liver)	1	0.10	0.38	0.45
	Golden shiner (liver)	1	0.68	0.22	0.31
	(whole w/o liver)	1	0.05	0.12	0.39
	Pumpkinseed (liver)	3	3.27 (2.04 - 5.04)	0.75 (0.41 - 1.22)	0.42 (0.31 - 0.56)
	(whole w/o liver)	3	0.10 (0.08 - 0.11)	0.60 (0.23 - 0.86)	0.31 (0.24 - 0.39)
North end of large pond	Earthworm (Whole)	19	16.1	60.4	0.61
	- one composite sample	28 g			

Table 13. Summary of PCB concentrations on a seasonal basis for selected species collected from three locations in the Hudson River in 1999.

Location (River mile)	Species - Season	Number Analyzed	Percent Lipid	Length (mm)	Weight (g)	Total PCB (ppm)
Newburgh (60)	White perch - Spring	5 (5)	0.66 (0.23 - 1.19)	206 (193 - 214)	105 (90 - 122)	0.55 (0.17 - 0.96)
	White perch - Fall	5 (5)	2.73 (2.29 - 3.34)	195 (175 - 233)	104 (72 - 170)	2.10 (1.56 - 3.86)
Catskill (113)	Largemouth Bass - Spring	5 (5)	2.29 (0.74 - 3.28)	449 (408 - 480)	1458 (1132 - 1880)	4.94 (0.70 - 7.34)
	Largemouth bass - Fall	4 (4)	2.27 (1.91 - 2.83)	370 (310 - 434)	886 (472 - 1338)	0.89 (0.83 - 0.99)
	White perch - Spring	5 (5)	1.09 (0.76 - 1.38)	211 (201 - 223)	118 (104 - 136)	1.34 (0.84 - 1.85)
	White perch - Fall	5 (5)	2.50 (1.48 - 3.45)	208 (191 - 227)	126 (88 - 166)	1.55 (0.91 - 2.01)
	Yellow perch - Spring	5 (5)	0.57 (0.39 - 0.78)	218 (203 - 245)	104 (84 - 132)	1.13 (0.28 - 2.02)
	Yellow perch - Fall	5 (5)	1.52 (0.70 - 3.12)	181 (114 - 262)	89 (14 - 236)	0.59 (0.38 - 1.05)
Coveville (176)	Largemouth Bass - Spring	5 (5)	0.71 (0.23 - 1.76)	388 (259 - 449)	916 (254 - 1280)	2.83 (0.70 - 8.94)
	Largemouth bass - Fall	5 (5)	1.28 (0.96 - 2.03)	395 (326 - 443)	999 (476 - 1294)	5.10 (2.08 - 9.65)
	Yellow perch - Spring	5 (5)	1.15 (0.84 - 1.60)	240 (207 - 301)	189 (106 - 340)	1.51 (0.68 - 3.23)
	Yellow perch - Fall	5 (5)	0.38 (0.29 - 0.55)	248 (205 - 282)	177 (92 - 250)	1.09 (0.68 - 1.74)

Location (River mile)	Species - Season	Number Analyzed	Lipid PCB (ppm)	Lipid 1254+ (ppm)	Percent 1254+
Newburgh (60)	White perch - Spring	5 (5)	84.59 (68.57 - 124.00)	47.13 (36.97 - 62.00)	55.72
	White perch - Fall	5 (5)	77.98 (49.10 - 138.85)	44.16 (20.06 - 93.88)	56.63
Catskill (113)	Largemouth Bass - Spring	5 (5)	220.13 (94.60 - 461.64)	134.76 (39.19 - 305.66)	61.22
	Largemouth bass - Fall	4 (4)	40.17 (34.58 - 48.69)	12.14 (10.24 - 16.75)	30.22
	White perch - Spring	5 (5)	121.25 (93.48 - 152.50)	68.18 (48.78 - 89.17)	56.23
	White perch - Fall	5 (5)	63.54 (54.36 - 81.08)	21.72 (15.77 - 36.49)	34.18
	Yellow perch - Spring	5 (5)	231.95 (35.64 - 429.79)	101.10 (25.90 - 195.75)	43.59
	Yellow perch - Fall	5 (5)	41.67 (33.59 - 55.00)	9.34 (6.35 - 13.57)	22.41
Coveville (176)	Largemouth Bass - Spring	5 (5)	333.86 (161.86 - 507.96)	167.20 (68.84 - 232.96)	50.08
	Largemouth bass - Fall	5 (5)	386.29 (216.67 - 475.37)	169.82 (76.04 - 259.38)	30.54
	Yellow perch - Spring	5 (5)	126.31 (81.19 - 248.46)	48.04 (24.54 - 100.77)	38.03
	Yellow perch - Fall	5 (5)	297.63 (189.23 - 511.76)	102.88 (73.55 - 179.41)	34.57

Table 14. Summary of PCB concentrations in striped bass collected from the Hudson River between May and October of 1999 in those months when fish were available for sampling below the Federal Dam at Troy.

Location (River Mile)	Species (Month sampled)	Sample# (Analyzed)	Percent Lipid	Length (mm)	Weight (g)	Total PCB
Troy - below the Federal Dam (153)	Striped bass (May)	10 (10)	3.47 (0.53 - 9.84)	609 (535 - 713)	2544 (1670 - 3630)	2.45 (1.59 - 4.44)
	Striped bass (Sept)	5 (5)	5.91 (3.17 - 8.96)	583 (478 - 728)	2354 (1218 - 4528)	4.79 (1.99 - 9.27)
	Striped bass (Oct)	15 (15)	7.50 (2.55 - 14.70)	641 (556 - 742)	3423 (2150 - 5380)	5.26 (1.66 - 14.28)

Location (River Mile)	Species (Month sampled)	Sample# (Analyzed)	Lipid PCB	Lipid 1254+	Percent 1254+
Troy - below the Federal Dam (153)	Striped bass (May)	10 (10)	150.68 (23.78 - 367.78)	87.63 (8.64 - 264.15)	55.32
	Striped bass (Sept)	5 (5)	79.51 (50.83 - 132.24)	35.30 (20.76 - 61.91)	43.84
	Striped bass (Oct)	15 (15)	76.74 (33.80 - 159.61)	38.66 (9.01 - 81.96)	49.69

Table 15. Summary of PCB concentrations in striped bass collected during the spring spawning period at seven locations in the Hudson River between river miles 13 and 153.

Location (Aproximate River Mile)	Species	Number Analyzed	Percent Lipid	Length (mm)	Weight (g)	Total PCB	Lipid PCB
above George Washington Bridge (13)	Striped bass	40 (40)	4.20 (0.67 - 9.05)	654 (500 - 990)	3169 (1520 - 10546)	0.69 (0.17 - 1.48)	19.51 (4.54 - 53.81)
Tappan Zee Bridge (27)	Striped bass	41 (41)	4.76 (1.01 - 10.90)	694 (556 - 915)	3880 (1920 - 9320)	1.17 (0.29 - 13.29)	29.30 (4.62 - 347.91)
Stony Point (40)	Striped bass	40 (40)	4.77 (1.64 - 8.99)	665 (515 - 955)	3437 (1450 - 8730)	1.28 (0.32 - 4.04)	31.38 (7.94 - 166.94)
Poughkeepsie (75)	Striped bass	38 (38)	4.07 (0.52 - 6.99)	693 (536 - 1054)	4008 (1700 - 12956)	1.19 (0.24 - 7.38)	34.91 (5.32 - 163.64)
Esopus Meadows (88)	Striped bass	4 (4)	3.52 (2.51 - 4.64)	692 (535 - 784)	3670 (1640 - 5320)	0.68 (0.44 - 0.92)	19.01 (15.85 - 22.54)
Catskill (113)	Striped bass	9 (9)	2.29 (0.46 - 5.88)	650 (468 - 933)	3318 (940 - 9072)	2.18 (0.24 - 5.90)	144.99 (16.33 - 361.05)
Troy - below Federal Dam (153)	Striped bass	10 (10)	3.47 (0.53 - 9.84)	609 (535 - 713)	2544 (1670 - 3630)	2.45 (1.59 - 4.44)	150.68 (23.78 - 367.78)

Table 16. Summary of PCB concentrations in striped bass collected at three locations in the Hudson River in the fall of 1999.

Location (River Mile)	Species (age)	Number Analyzed	Percent Lipid	Length (mm)	Weight (g)	Total PCB	Lipid PCB
Tappan Zee Bridge (27)	Striped bass	28	4.39 (0.44 - 13.90)	648 (432 - 885)	3072 (1100 - 6780)	0.66 (0.19 - 2.21)	19.04 (4.87 - 45.54)
Croton Bay (34)	Striped bass	24	3.89 (0.65 - 13.80)	664 (478 - 777)	3315 (1250 - 5500)	1.02 (0.23 - 4.41)	30.56 (9.86 - 95.76)
Troy - below Federal Dam (153)	Striped bass	20	7.11 (2.55 - 14.70)	626 (478 - 742)	3155 (1218 - 5380)	5.15 (1.66 - 14.28)	77.43 (33.80 - 159.61)