

Appendix I (1)																	
1997 Hudson River Samples																	
Station No.	Date deployed	HCFS	AXYS	Exposure time (days)	Solvent ² recovery (mL)	Field	Spike	Recovery (ng)			Total PCBs ⁵			Water	Congener		
		Sample ¹ No.	Sample No.			Mirex ³	trans-Nonachlor ³	Tri-CB ⁴	Pe-CB ⁴	Hx-CB ⁴	(ng/sample)	RPD ⁶	RMSD ⁷	equivalent 1997/98 ⁸	conc. ⁹ (ng/L)	Fig. No.	pairs ⁷ compared
01 W	6/30	97-01	2588-17L	16	170	ND ¹⁰	na ¹¹	na	na	na	52.4	27.6	1.53	na	1.2	1	7
		97-02	2588-18W	"	175	ND	na	na	na	na	69.2			na	1.5		
02	"	97-03	2588-19I	"	185	ND	na	na	na	na	2548.21	11.9	0.81	na	60.3	1	49
		97-04	2588-20I	"	190	15.19	na	na	na	na	2263			na	53.5		
03 W	7/1	97-26	2588-37	"	75	3.36	na	na	na	na	595.76	98.5	0.71	na	13.5	1	34
		97-27	2588-38	"	30	1.49	na	na	na	na	202.59			na	4.6		
05 E 11	6/30 "	97-07	2588-23I	"	50	4.84	na	na	na	na	572.98	na	na	na	13.2	2	
		97-05	2588-21L	"	180	ND	na	na	na	na	705.2	87.1	0.31	na	16.2	2	34
		97-06	2588-22I	"	55	5.12	na	na	na	na	277.35			na	6.4		
12 E	"	10 & 11	ns ¹²	"	na	na	na	na	na	na	na	na	na	na	2		
04 W	7/1	97-28	2588-39	"	170	6.13	na	na	na	na	743.59	7.3	0.44	na	15.6	1	49
		97-29	2588-40	"	175	6.36	na	na	na	na	690.9			na	15.8		
16 W	"	97-30	2588-41	"	30	1.53	na	na	na	na	103.94	101.5	1.06	na	2.3	1	35
		97-31	2588-42	"	80	4.32	na	na	na	na	318.08			na	7.0		
17 W	"	97-32	2588-43	"	180	6.87	na	na	na	na	436.53	0.5	0.96	na	9.5	1	45
		97-33	2588-44	"	115	4.88	na	na	na	na	438.76			na	9.5		
		P-057	na	"	160	12	10	na	na	na	427	11.9	na	na	9.2	na	na
		P-058	na	"	170	10	10	na	na	na	379			na	8.2		
		P-055 (b)	na	"	60	11	9	na	na	na	542	21.4	na	na	5.9	na	na
		P-056 (b)	na	"	55	9	8	na	na	na	437			na	4.8		
06 E	6/30	97-08	2588-24I	"	40	4.14	na	na	na	na	375.7	75.3	0.41	na	8.5	2	32
		97-09	2588-25L	"	120	10.34	na	na	na	na	829.2			na	18.8		
07 E	"	97-12	2588-26WI	"	180	12.95	na	na	na	na	19710.7	8.5	0.38	na	446	2	49
		97-13	2588-27	"	140	9.1	na	na	na	na	21462.7			na	486		
08 E	"	97-14	2588-28	"	160	11.59	na	na	na	na	8236.98	24.6	0.45	na	170	2	49
		97-15	2588-29	"	190	12.38	na	na	na	na	6432.16			na	133		
09 E	"	16 & 17	ns	"	na	na	na	na	na	na	na	na	na	na	2		
10 E	"	97-20	2588-31	"	175	12.22	na	na	na	na	17829.3	9.9	0.37	na	372	2	51
		97-21	2588-32	"	100	7.21	na	na	na	na	16153.9			na	366		
		97-51 (b)	2588-53N	"	35	4.64	na	na	na	na	5789.9	37.8	0.12	na	66.4		43
		97-52 (b)	2588-54N	"	50	7.55	na	na	na	na	8485.9		0.37 ¹³	na	97.3		44.5

Appendix I contd. (2)																	
1997 Hudson River Samples (contd.)																	
13	6/30	97-18	2588-30	"	160	10.96	na	na	na	na	2046.6	na	na	na	46.3	2	na
		97-19	ns	"	na	na	na	na	na	na	na			na	na		
14 E	"	97-22	2588-33	"	185	12.62	na	na	na	na	13603.6	4.8	0.53	na	299	2	50
		97-23	2588-34	"	180	11.91	na	na	na	na	12959.6			na	285		
15 E	"	97-24	2588-35	"	180	10.38	na	na	na	na	5924.87	10.9	0.40	na	132	2	43
		97-25	2588-36N	"	185	9.1	na	na	na	na	5313.5			na	118		
		97-53 (b)	2588-55N	"	45	4.74	na	na	na	na	5808.4	13.3	0.13	na	65.6		41
		97-54 (b)	2588-56N	"	55	4.83	na	na	na	na	6635.8		0.32 ¹³	na	75.0		42
18 E	7/1	97-34	2588-45	"	140	5.39	na	na	na	na	1669.62	20.0	0.23	na	32.8	2	53
		97-35	2588-46	"	120	4.94	na	na	na	na	2040.91			na	43.5		
19 E	"	97-36	2588-47	"	115	4.58	na	na	na	na	2392.83	63.6	0.13	na	52.6	2	51
		97-37	2588-48	"	45	2.11	na	na	na	na	1238.02			na	27.2		
1998 Hudson River Samples																	
Station No.	Date deployed	HCFS Sample No.	AXYS Sample No.	Exposure time (days)	Solvent ² recovery (mL)	Field Mirex ³	Spike trans-Nonachlor ³	Recovery (ng)			Total PCBs ⁵			Water equivalent 1997/98 ⁸	Conc. ⁹ (ng/L)	Fig. No.	Congener pairs ⁷ compared
								Tri-CB ⁴	Pe-CB ⁴	Hx-CB ⁴	(ng/sample)	RPD ⁶	RMSD ⁷				
27 N	8/27	98-61	1337-47	18	185	7.8	10	na	na	na	40.62	33.7	0.61	na	1.0	3	20
		98-62	1337-48	18	175	7.6	10	na	na	na	28.94			na	0.7		
28 N	"	98-60	1337-46	18	140	6.3	8.5	na	na	na	33.34	na	na	na	0.9	3	
30 E	"	98-76	1337-62	20	170	10	10	na	na	na	61.43	12.8	0.38	na	1.4	4	34
		98-77	1337-63	20	180	9.5	9.8	na	na	na	69.81			na	1.6		
29 E	"	98-78	1337-64	20	140	8.1	7.8	na	na	na	57.28	13.0	0.69	na	1.3	4	35
		98-79	1337-65	20	170	11	11	na	na	na	65.33			na	1.5		
32 W	"	98-74	1337-60	20	180	8.6	10	na	na	na	177.91	60.5	1.30	na	3.8	4	31
		98-75	1337-61	20	170	9	9.1	na	na	na	95.29			na	2.2		
33 W	"	98-72	1337-58	20	175	10	10	na	na	na	255.4	58.9	0.66	na	5.4	4	35
		98-73	1337-59	20	135	6.9	7.6	na	na	na	139.18			na	3.2		
31 E	"	98-80	1337-66	20	175	9.2	9.6	na	na	na	196.97	49.2	0.17	na	4.0	4	40
		98-81	1337-67	20	170	9.4	10	na	na	na	325.39			na	7.3		
36 W	8/28	98-35	1337-22	14	150	7.5	9.7	na	na	na	773.67	16.3	0.12	na	22.7	5	41
		98-36	1337-23	14	160	8.4	10	na	na	na	656.92			na	20.9		
34 E	"	98-31	1337-18	14	190	9.4	10	na	na	na	1270.99	13.5	0.09	na	41.2	5	42
		98-32	1337-19	14	165	9.3	8.8	na	na	na	1109.97			na	39.0		

Appendix I contd. (3)																	
1998 Hudson River Samples contd.																	
35 E	8/28	98-33	1337-20	14	160	7.7	9	na	na	na	2902.65	1.4	0.17	na	101.3	5	46
		98-34	1337-21	14	165	8.4	12	na	na	na	2944.72			na	102.8		
37 W	"	98-37	1337-24	14	170	7.9	11	na	na	na	1152.673	3.6	0.11	na	34.1	5	44
		98-38	1337-25	14	170	8.2	11	na	na	na	1111.79			na	35.7		
38 W	"	98-45	1337-32	14	140	7.7	7.1	na	na	na	5446.98	108.5	1.95	na	174.9	5	52
		98-46	1337-33	14	165	9.2	9.2	na	na	na	1616.39			na	51.9		
39 W	"	98-43	1337-30	14	170	9.7	14	na	na	na	864.43	13.5	0.36	na	25.9	5	41
		98-44	1337-31	14	160	8.4	9	na	na	na	989.14			na	29.7		
43 E	8/31	98-57	1337-44	14	165	7	9.7	na	na	na	1792.27	na	0.29	na	63.5	6	43
		98-58 (b)	1337-45	14	60	7	10	na	na	na	3790.51			na	68.1		
45 E	"	98-55	1337-42	14	170	8.3	12	na	na	na	4402.39	2.7	0.49	na	140.3	7	52
		98-56	1337-43	14	170	7	9.2	na	na	na	4284.2			na	136.5		
46 E	"	98-49	1337-36	14	170	7.9	9.2	na	na	na	2471.4	16.5	0.14	na	80.0	7	47
		98-50	1337-37	14	185	8.1	9.6	na	na	na	2914.95			na	94.3		
47 E	"	98-51	1337-38	14	170	7.3	9.7	na	na	na	2477.14	7.9	0.37	na	73.8	7	44
		98-52	1337-39	14	150	7.3	8	na	na	na	2287.89			na	74.0		
48 W	"	98-47	1337-34	14	160	8.4	8.3	na	na	na	1012.14	49.2	0.13	na	33.5	8	42
		98-48	1337-35	14	180	8.6	9.3	na	na	na	1671.71			na	55.3		
49 E	9/1	98-65	1337-51	15	170	10	10	na	na	na	2963.15	24.5	0.12	na	94.3	9	49
		98-66	1337-52	15	170	10	9.4	na	na	na	3788.58			na	120.6		
		98-67 (b)	1337-53LW	15	60	6.9	12	na	na	na	6434.56	na	0.63 ¹³	na	103.8		51
1998 Canal & Tributary Samples																	
Station No.	Date deployed	HCFS	AXYS	Exposure time (days)	Solvent ² recovery (mL)	Field	Spike	Recovery (ng)			Total PCBs ⁵ (ng/sample)	RPD ⁶	RMSD ⁷	equivalent 1997/98 ⁸	Water Conc. ⁹ (ng/L)	Fig. No.	Congener pairs ⁷ compared
		Sample ¹ No.	Sample No.			Mirex ³	trans-Nonachlor ³	Tri-CB ⁴	Pe-CB ⁴	Hx-CB ⁴							
20 E	8/26	98-14	1337-1	15	180	9.9	11	na	na	na	138.7	na	1.08	na	4.8	4	34
		98-15 (b)	1337-2	15	60	8.3	10	na	na	na	320.2			na	5.6		
21	"	98-16 (b)	1337-3	15	55	8.5	8.5	na	na	na	470.96	1.0	0.32	na	7.3	4	36
		98-17 (b)	1337-4	15	55	7.3	7.8	na	na	na	475.53			na	7.4		
23 S	"	98-21	1337-8	15	170	10	10	na	na	na	171.88	na	0.50	na	5.7	4	39
		98-22 (b)	1337-9	15	60	7.6	9.3	na	na	na	475.49			na	8.0		
22 N	"	98-18	1337-5	15	180	9.8	9.2	na	na	na	151.32	na	0.56	na	5.0	4	38
		98-19 (b)	1337-6	15	55	7.7	9.4	na	na	na	619.05			na	10.5		
	9/2	98-20 (b)	1337-7	8	60	7.4	9.2	na	na	na	367.53	na	0.44	na	11.6		43

Appendix I contd. (4)																	
1998 Canal & Tributary Samples contd.																	
26 E	8/26	98-27	1337-14	15	180	11	12	na	na	na	1012.19	na	0.62	na	32.7	4	46
		98-28 (b)	1337-15	15	55	8	12	na	na	na	1170.06			na	19.2		
25 W	"	98-25	1337-12	15	160	12	8.9	na	na	na	140.23	na	0.72	na	4.2	5	37
		98-26 (b)	1337-13L	15	60	7.3	8.5	na	na	na	316.8			na	4.8		
24 E	"	98-23	1337-10	15	175	9.1	9.6	na	na	na	259.34	na	1.21	na	8.0	4	39
		98-24 (b)	1337-11L	15	60	8.7	9.9	na	na	na	892.49			na	13.9		
40 E	8/28	98-29	1337-16	13	180	8.3	9.3	na	na	na	28.99	na	1.75	na	1.4	6	23
		98-30 (b)	1337-17L	13	70	8	8.9	na	na	na	91.09			na	2.2		
41 E	"	98-39	1337-26	14	170	8.8	11	na	na	na	63.86	na	2.18	na	2.2	6	21
		98-40 (b)	1337-27	14	60	7.9	11	na	na	na	258.25			na	4.4		
42 E	"	98-41	1337-28	14	170	8.8	12	na	na	na	266.23	na	1.02	na	8.2	6	37
		98-42 (b)	1337-29	14	70	8.6	12	na	na	na	640.43			na	10.0		
44	8/31	98-53	1337-40	14	180	9.6	11	na	na	na	101.5	na	1.46	na	3.5	8	16
		98-54 (b)	1337-41	14	60	7.8	12	na	na	na	93.09			na	1.6		
51 S	9/1	98-70	1337-56	15	180	12	10	na	na	na	45.48	na	1.65	na	1.3	8	15
		98-71 (b)	1337-57L	15	60	7	8.2	na	na	na	76.3			na	1.1		
52	"	98-68	1337-54	15	170	11	9.4	na	na	na	55.3	na	1.81	na	1.7	8	26
		98-69 (b)	1337-55L	15	60	6.8	10	na	na	na	197.34			na	3.1		
50	"	98-63	1337-49	15	170	7.1	10	na	na	na	144.45	na	0.62	na	4.2	9	38
		98-64 (b)	1337-50	15	70	7.6	11	na	na	na	366.11			na	5.4		
2000 Hudson River Samples																	
Station	Date	HCFS Sample ¹ No.	AXYS Sample No.	Exposure time (days)	Solvent ² recovery (mL)	Field Mirex ³	Spike trans- Nonachlor ³	Recovery (ng)			Total PCBs ⁵ (ng/sample)	RPD ⁶	RMSD ⁷	equivalent 1997/98 ⁸	Water Conc. ⁹ (ng/L)	Fig. No.	Congener pairs ⁷ compared
29 E	8/28	00-38	2948-12	16	180	ND	ND	54.4	68.3	77.0	69.144	na	na	64.248	1.9	10	
54 E	"	00-36	2948-10	16	175	ND	ND	55.4	62.1	65.8	74.39	18.2	1.09	68.43	2.0	10	12
		00-37	2948-11	16	175	ND	ND	59.1	75.7	78.2	62.043			58.274	1.7		
55 E	"	00-32	2948-6	16	175	ND	ND	46.1	66.7	43.4	190.88	4.6	1.06	172.37	4.7	10	32
		00-33	2948-7	16	165	ND	ND	54.1	64.4	63.8	182.45			164.82	4.8		
56	"	00-34	2948-8	16	170	24.5	21.0	52.5	61.9	65.1	81.93	24.7	1.16	75.62	2.2	10	12
		00-35	2948-9	16	160	23.0	19.9	49.0	59.8	62.2	63.92			57.09	1.7		
31 E	"	00-31	2948-5	16	160	ND	ND	47.1	64.0	67.3	121.009	na	na	113.029	3.4	10	

Appendix I contd. (5)																		
2000 Hudson River Samples contd.																		
Station No.	Date deployed	HCFS	AXYS	Exposure	Solvent ²	Field	Spike	Recovery (ng)			Total PCBs ⁵			Water		Congener		
		Sample ¹	Sample	time	recovery	Mirex ³	trans-	Tri-CB ⁴	Pe-CB ⁴	Hx-CB ⁴	(ng/sample)	RPD ⁶	RMSD ⁷	equivalent	Conc. ⁹	Fig. No.	pairs ⁷	compared
		No.	No.	(days)	(mL)		No.							1997/98 ⁸	(ng/L)			
53 E	8/28	00-27	2948-1	16	170	ND	ND	45.2	61.1	54.6	1062.815	46.2	0.71	727.405	21.5	10	46	
		00-28	2948-2	16	180	ND	ND	44.5	65.0	60.6	663.928			497.248	14.7			
	b ¹⁴	00-29	2948-3	16	165	ND	ND	51.0	64.0	63.7	1042.172	4.8	0.40	790.763	23.6		46	
	b	00-30	2948-4	16	160	ND	ND	50.5	62.2	60.6	1093.902			806.882	24.1			
37 W	9/6	00-64	2950-1	13	160	ND	ND	41.3	64.6	60.8	895.728	na	na	468.573	19.1	11		
65 W	"	00-65	2950-2	13	175	ND	ND	52.7	79.4	70.1	640.194	32.3	1.02	361.384	14.6	11	52	
		00-66	2950-3	13	180	ND	ND	50.6	73.9	71.8	886.705			455.496	17.0			
38 W	"	00-67	2950-4	13	180	ND	ND	50.7	81.0	76.1	490.563	174.5	2.87	324.902	12.0	11	51	
		00-68	2950-5	13	170	ND	ND	49.8	70.6	69.8	7196.715			5946.572	239.8			
	66	00-69	2950-6	13	170	ND	0.805	45.8	72.0	69.9	814.369	14.5	0.24	473.981	19.2	11	50	
		00-70	2950-7	13	170	ND	ND	49.3	76.3	79.7	704.121			402.369	16.3			
67 W	"	00-71	2950-8	13	180	ND	ND	49.0	74.9	71.9	719.603	22.5	0.40	388.221	15.4	11	47	
		00-72	2950-9	13	155	ND	ND	43.4	68.1	65.6	573.867			329.18	13.1			
39 W	"	00-73	2950-10	13	180	ND	ND	46.0	71.8	69.8	776.385	11.6	0.33	298.194	11.4	11	47	
		00-74	2950-11	13	175	ND	ND	64.6	80.8	91.3	871.679			319.722	12.2			
68 E	"	00-75	2950-12	13	175	16.3	17.8	64.9	79.3	90.9	1461.315	6.2	0.25	725.68	29.0	11	55	
		00-76	2950-13	13	180	16.8	18.4	62.9	76.6	87.4	1554.905			789.649	31.1			
69 W	9/7	00-77	2950-14	13	175	ND	ND	64.5	79.3	90.0	3582.886	26.7	0.37	949.403	37.1	12	57	
		00-78	2950-15	13	140	ND	0.592	51.0	61.0	68.7	4687.256			1200.13	51.1			
	b	00-79	2950-16	13	180	ND	ND	67.8	79.9	93.5	3252.179		0.56	980.764	41.7		58.5	
70 E	"	00-80	2950-17	13	185	ND	ND	64.5	79.7	90.7	3964.533	2.1	0.31	1375.7	58.0	12	62	
		00-81	2950-18	13	180	ND	ND	67.2	78.6	93.1	4051.361			1320.43	55.7			
	b	00-82	2950-19	13	180	ND	ND	63.9	80.3	81.0	2994.157		0.34	979	41.3		57	
71 W	"	00-83	2951-1	13	170	ND	f ¹⁵	55.8	87.5	88.3	3046.568	2.1	0.39	1046.688	43.1	12	56	
		00-84	2951-2	13	180	ND	0.600	48.4	84.3	86.4	2984.659			1107.698	45.6			
	b	00-85	2951-3	13	185	ND	0.706	58.3	86.0	93.9	3419.732		0.44	1092.835	45.0		57.5	
72 E	"	00-86	2951-4	13	155	ND	ND	51.0	77.6	81.4	2419.961	29.1	0.20	830.8	31.0	12	56	
		00-87	2951-5	13	175	ND	f	56.7	78.6	73.9	3242.75			1077.91	43.6			
	b	00-88	2951-6	13	170	ND	ND	52.4	78.5	77.7	1389.036		0.68	546.546	22.1		48.5	
73 W	"	00-89	2951-7	13	165	14.6	19.3	49.1	70.1	69.6	1800.084	8.3	0.19	636.77	25.7	12	50	
		00-90	2951-8	13	160	12.0	17.6	43.5	64.7	61.9	1657.492			583.398	23.5			
	b	00-91	2951-9	13	190	16.6	21.9	52.8	75.9	74.8	2049.916		0.41	662.67	26.7		52	

Appendix I contd. (6)																	
2000 Hudson River Samples contd.																	
74 E	9/7	00-92	2951-10	13	150	ND	ND	42.6	64.6	63.4	5830.272	45.2	0.42	2266.292	93.3	12	63
		00-93	2951-11	13	135	ND	0.915	38.9	56.7	57.7	3682.043			1323.86	54.5		
b		00-94	2951-12	13	165	ND	ND	47.0	68.5	66.5	4993.029		0.27	1814.33	74.7		62
61 W	8/31	00-45	2948-19	13	170	ND	ND	52.9	69.6	73.1	4072.641	na		2059.007	71.7	14	
b		00-46	2949-1	13	180	ND	ND	62.7	70.5	87.5	3068.159		0.26	1525.586	53.2		66
62 E	"	00-42	2948-16	13	150	ND	f	46.6	59.4	68.3	1844.376	37.0	0.38	897.9	30.1	14	61
		00-43	2948-17	13	170	ND	ND	57.3	71.5	77.3	2680.649			1213.084	44.3		
b		00-44	2948-18	13	175	ND	ND	56.0	73.2	80.2	1370.528		0.27	668.504	22.4		56
63 W	"	00-47	2949-2	13	160	ND	ND	59.4	71.0	79.9	3641.47	na		1752.2	60.2	14	
b		00-48	2949-3	13	180	ND	ND	61.7	74.3	86.8	1910.145		0.59	1037.445	35.7		57
64 E	"	00-49	2949-4	13	175	11.1	14.1	57.6	65.0	76.8	1446.42	26.4	0.87	766.2	25.9	14	52
		00-50	2949-5	13	180	11.8	14.7	61.2	71.6	90.2	1886.262			854.037	28.9		
b		00-51	2949-6	13	175	ND	ND	63.2	73.9	86.8	895.915		1.38	547.505	18.5		50.5
49 E	"	00-39	2948-13	13	170	ND	f	53.3	69.6	73.3	7250.913	51.6	0.45	3607.833	132.6	14	78
		00-40	2948-14	13	175	ND	f	53.8	69.7	73.1	4277.479			2325.759	85.5		
b		00-41	2948-15	13	160	ND	f	56.8	71.6	76.8	6324.099		0.32	3109.173	114.3		82
2000 Moses Kill Samples																	
Station	Date	HCFS Sample ¹ No.	AXYS Sample No.	Exposure time (days)	Solvent ² recovery (mL)	Field Mirex ³	Spike trans- Nonachlor ³	Recovery (ng) Tri-CB ⁴ Pe-CB ⁴ Hx-CB ⁴			Total PCBs ⁵ (ng/sample)	RPD ⁶	RMSD ⁷	equivalent 1997/98 ⁸	Water Conc. ⁹ (ng/L)	Fig. No.	Congener pairs ⁷ compared
42 E	8/29	00-60 (b)	2949-15	16	65	ND	ND	55.7	68.9	74.3	820.39	7.1	0.54	396.05	6.0	13	31
		00-61 (b)	2949-16	16	50	ND	ND	39.1	56.3	58.6	764.47			340.69	5.2		
60 W	"	00-62 (b)	2949-17	16	70	ND	ND	57.6	74.6	79.6	970.62	7.9	0.48	452.05	6.5	13	32
		00-63 (b)	2949-18	16	75	ND	ND	59.3	73.0	84.7	897.23			438.72	6.3		
58 E	"	00-56 (b)	2949-11	16	65	ND	ND	49.4	69.7	69.8	655.1	7.6	0.81	339.82	5.0	13	28
		00-57 (b)	2949-12	16	65	ND	ND	55.7	71.8	77.2	607.05			336.14	5.0		
59 W	"	00-58 (b)	2949-13	16	75	ND	ND	56.8	77.1	75.8	646.31	11.5	0.88	377.72	5.5	13	29
		00-59 (b)	2949-14	16	65	ND	ND	50.5	69.1	73.4	575.88			299.72	4.4		
41 E	"	00-54 (b)	2949-9	16	50	ND	ND	44.6	50.1	65.5	335.41	21.6	0.25	178.64	3.0	13	20
		00-55 (b)	2949-10	16	55	ND	ND	53.4	59.8	75.7	416.48			224.28	3.7		
57	"	00-52 (b)	2949-7	16	70	ND	ND	79.5	86.2	102	197.79	4.1	1.05	175.56	2.9	13	13
		00-53 (b)	2949-8	16	65	ND	ND	59.9	66.2	77.5	189.82			177.72	2.9		

Appendix I contd. (7)																	
2001 Hudson River Samples																	
Station No.	Date deployed	HCFS	AXYS	Exposure time (days)	Solvent ² recovery (mL)	Field	Spike	Recovery (ng)			Total PCBs ⁵			Water	Congener		
		Sample ¹ No.	Sample No.			Mirex ³	trans-Nonachlor ³	Tri-CB ⁴	Pe-CB ⁴	Hx-CB ⁴	(ng/sample)	RPD ⁶	RMSD ⁷	equivalent 1997/98 ⁸	Conc. ⁹ (ng/L)	Fig. No.	pairs ⁷ compared
75 W	10/2	01-33	4725-22	22	180	39.8	24.2	68.8	80.8	83.5	106.195	26.4	0.91	90.134	3.2	15	28
		01-34	4725-21	22	175	39.2	22.6	68.4	80.6	83.2	81.368			64.192	2.3		
32 W	"	01-35	4725-20	22	165	28.8	16.8	58.1	69.3	70.7	97.531	24.9	1.04	84.8	3.0	15	21
		01-36	4725-19	22	180	41.4	23.2	63.5	77.9	83.5	75.931			60.397	2.1		
76 W	"	01-37	4725-18	22	180	40.8	24.2	62.8	76.8	80.2	72.28	25.7	0.45	63.55	2.1	15	25
		01-38	4725-17	22	185	42.4	24.6	63.8	79.0	81.4	93.574			81.354	2.9		
77 W	"	01-39	4725-16	22	175	38.3	22.7	60.1	73.8	77.0	130.55	20.7	0.59	114.22	3.6	15	25
		01-40	4725-15	22	155	32.1	18.5	51.1	63.1	63.4	106.08			91.05	2.9		
33 W	"	01-41	4725-14	22	180	39.5	22.6	61.4	72.9	73.3	98.969	2.4	0.93	81.95	2.8	15	26
		01-42	4725-13	22	180	39.4	23.8	64.1	79.4	79.5	101.383			81.513	2.8		
38N W	10/3	01-49	4724-6	21	145	29.8	18.1	48.6	56.8	58.3	809.782	15.5	0.49	371.722	12.4	11	40
		01-50	4725-5	21	180	37.2	21.6	63.0	73.3	77.6	693.31			300.31	10.9		
38B W	"	01-45	4725-10	21	180	38.2	22.2	60.7	72.7	77.5	497.316	27.4	1.13	300.014	10.9	11	43
		01-46	4725-9	21	190	37.5	22.1	58.4	71.5	75.5	655.251			335.257	12.2		
38 W	"	01-47	4725-8	21	180	38.3	23.2	60.9	73.4	76.8	982.454	17.8	0.23	430.744	15.2	11	37
		01-48	4725-7	21	190	41.6	24.2	62.0	73.8	77.6	821.63			367.23	13.0		
66 W	"	01-51	4725-4	21	185	39.6	23.2	61.0	74.2	76.5	928.602	17.4	0.40	388.23	12.6	11	38
		01-52	4725-3	21	180	37.6	22.7	59.6	71.6	75.0	1105.23			429.811	15.2		
38S W	"	01-43	4725-12	21	175	37.4	22.0	59.2	71.1	74.0	890.11	94.2	4.67	378.97	13.6	11	41
		01-44	4725-11	21	190	38.9	23.3	62.3	73.6	77.8	2474.898			1774.801	63.6		
Notes:																	
¹ All samples from Hasset samplers except those followed by (b) denoting a bag sampler.																	
² Solvent added; approx. 200 mL hexane to each Hasset sampler and approx. 80 mL TMP to each bag sampler.																	
³ Added @ 10 ng each in 1997 & 1998. Only added to nine samplers in 2000; seven @ 20 ng ea. and two @ 16 ng ea. In 2001 40 ng Mirex and 20 ng trans-Nonachlor added.																	
⁴ AXYS spike materials; labeled PCBs, 80 ng each used in 2000 & 2001.																	
⁵ Total does not include flagged (peak detected, but did not meet quantification criteria) results.																	
⁶ Relative percent difference (for paired samples)																	
⁷ Root mean square difference & no. of congener pairs used for calculation.																	
⁸ see Table 5. ⁹ Estimated PCB water concentration based on 1997/98 or equivalent result.																	
¹⁰ Data are <i>italicized</i> because they are or appear questionable and/or require some explanation.																	
¹⁰ ND = not detected ¹¹ na = not analyzed or not applicable ¹² ns = not submitted for analysis																	
¹³ Result for Hasset vs. bag samples at the Station with mean no. of congener pairs compared given.																	
¹⁴ b after Station No. indicates bottom vs. surface sample(s).																	
¹⁵ f = flagged result reported (peak detected, but did not meet quantification criteria) = ND.																	

1997 Upper Hudson River (manual) temperature data.								Appendix II - A	
Site	6/30		7/1		7/16		7/17		O
	Time	EC	Time	EC	Time	EC	Time	EC	
01	1100	24.6			1045	25.0			24.8
02	1215	24.7			1200	25.2			25.0
03			1000	25.1			1145	26.0	25.6
04			1045	25.2			1210	25.8	25.5
05	1445	25.3			1400	25.5			25.4
06	1540	25.5			1415	25.6			25.6
07	1600	25.5			1435	25.8			25.6
08	1605	25.6			1445	25.8			25.7
09	1630	25.5			1505	25.8			25.6
10	1715	25.5			1540	25.7			25.6
11	1430	25.3			1350	25.5			25.4
12	1515	25.5			1430	25.6			25.6
13	1720	25.6			1530	25.6			25.6
14 ¹	1810	NR ²			1630	26.5			---- ¹
15	1845	25.4			1645	26.2			25.8
16			1150	26.3			1250	25.8	26.0
17 ³			1230	26.4			1320	26.0	26.2 ³
18			1350	26.8			1440	26.0	26.4
19			1410	26.1			1500	25.9	26.0
n =		12		6		13		6	
O	25.3 ± 0.3		26.0 ± 0.7		25.7 ± 0.4		25.9 ± 0.1		± s.d.
Total: n = 37 25.7 ± 0.5 EC									

¹Assume manual temp. O = 26.0.

Optic StowAway® (S/N 77515) data: O = 23.8 ± 1.0, n = 2293

²NR = not recorded.

³Optic StowAway® (S/N 74154) data: O = 24.0 ± 1.3, n = 2309

1998 Upper Hudson River (manual) temperature (EC) data.								Appendix II - B	
Site	8/26	8/27	8/28	9/2	9/10	9/11	9/14	9/16	0
20	22.3			21.3	8.7				20.8
21	24.1			22.8	20.2				22.4
22	23.5			21.3	19.0				21.3
23	23.4			21.3	19.2				21.3
24	24.6				20.2				22.4
25	24.7			23.1	20.4				22.7
26 ¹	24.4				19.4				21.9 ¹
27		23.0					21.8		22.4
28		22.3					20.1		21.2
29		24.1						21.3	22.7
30		24.2						21.3	22.8
31		NR ²						21.5	22.8 ²
32		23.7						20.8	22.2
33		23.9						20.9	22.4
34			23.1			19.9			21.5
35			23.3			20.0			21.6
36			24.6			20.9			22.8
37			24.9			20.5			22.7
38			24.8			20.6			22.7
39			25.2			22.0			23.6
40			22.3		15.1				18.7
41			23.6			20.3			22.0
42			26.4			20.2			23.3
n =	7	6	9	5	8	8			
0	23.9	23.5	24.2	22.0	19.0	20.6			
± s.d.	0.9	0.7	1.3	0.9	1.7	0.7			

¹Optic StowAway® (S/N 66352) data: Ofi21.7 ± 1.5, nfi1428.

²NR = not recorded. Assume temperature < 24EC at deployment.

cont'd

Appendix II - B, cont'd

1998 Upper Hudson River (manual) temperature (EC) data, cont'd.					
Site	8/31	9/1	9/14	9/16	0
43	22.7		20.0		21.4
44	22.6		20.8		21.7
45	24.5		21.2		22.8
46	24.3		20.8		22.6
47	24.2		21.1		22.6
48	24.0		20.6		22.3
49 ³		23.3		21.3	22.3 ³
50		25.6		20.8	23.2
51		24.5		22.0	23.2
52		22.8		21.9	22.4
n fi	6	4	8	9	
0 ± s.d.	23.7 ± 0.8	24.0 ± 1.3	20.8 ± 0.6	21.3 ± 0.4	
Total: n = 70 22.1 ± 2.0EC					

³Optic StowAway® (S/N 66353) data: Ofi21.9 ± 1.1, nfi1444.

2000 Upper Hudson River (manual) temperature (EC) data.

Appendix II - C

Site	8/28	8/29	8/31	9/6	9/7	9/13	9/14	9/19	9/20	0
29	22.4					21.3				21.8
31	22.6					21.2				21.9
37				21.0				20.0		20.5
38				21.4				20.0		20.7
39				22.7				20.0		21.4
41		21.8					19.6			20.7
42 ¹		23.6					21.0			22.3 ¹
49 ¹			22.9			21.3				22.1 ¹
53 ¹	22.3					21.3				21.8 ¹
54	22.7					21.4				22.0
55	23.0					21.2				22.1
56	22.6					21.3				22.0
57		NR ²					19.6			----
58		23.1					21.2			22.2
59		NR					21.6			----
60		NR					21.6			----
61			22.8			22.3				22.6
62			22.6			21.5				22.0
63			23.3			22.2				22.8
64			23.7			22.3				23.0
65				21.3				20.0		20.6
66 ¹				21.5				20.1		20.8 ¹
67				21.7				20.1		20.9
68				21.9				20.1		21.0
69					20.3				19.8	20.0
70					20.4				19.8	20.1
71					20.7				20.0	20.4
72					20.9				20.2	20.6
73 ¹					21.0				20.2	20.6 ¹
74					20.7				20.1	20.4

N =	6	3	5	7	6	11	6	7		6
0	22.6	22.8	23.1	21.6	20.7	21.6	20.8	20.0	20.0	
± s.d.	0.2	0.9	0.4	0.5		0.3	0.5	0.9	0.1	0.2
	Total:	n=57	21.4 ± 1.1EC							

¹Optic StowAway® (S/N 115634) data: 0 ± s.d.(n) Station 42 21.9 ± 1.5 (1145)
 (S/N 77516) 49s 21.9 ± 1.3 (937)
 (S/N 280679) 49b 21.9 ± 1.3 (938)
 (S/N 66353) 53s 22.0 ± 1.2 (1142)
 (S/N 2423) 53b 21.9 ± 1.2 (1143)
 (S/N 66352) 66 20.6 ± 0.7 (927)
 (S/N 66354) 73(between s & b) 20.7 ± 0.6 (929)

²NR = not recorded

2001 Upper Hudson River (manual) temperature data.							Appendix II - D
Site	10/2		10/3		10/24		O
	Time	EC	Time	EC	Time	EC	
32	1315	17.8			1200	13.7	15.8
33	1515	18.3			1300	13.8	16.0
38			1130	18.3	1430	NR ¹	---- ²
38B			1300	17.6	1425	NR	----
38N ³			1200	17.7	1440	NR	----
38S			1225	17.8	1400	14.1	16.0
66			1320	18.2	1450	14.2	16.2
75	1235	17.6			1130	13.6	15.6
76 ⁴	1400	17.7			1225	13.7	15.7
77	1445	18.2			1245	13.7	16.0
n =		5		5		7	
O±s.d.	17.9±0.3		17.9±0.3		13.8±0.2		
Total: n = 17 16.2±2.1 EC							

¹NR = not recorded.

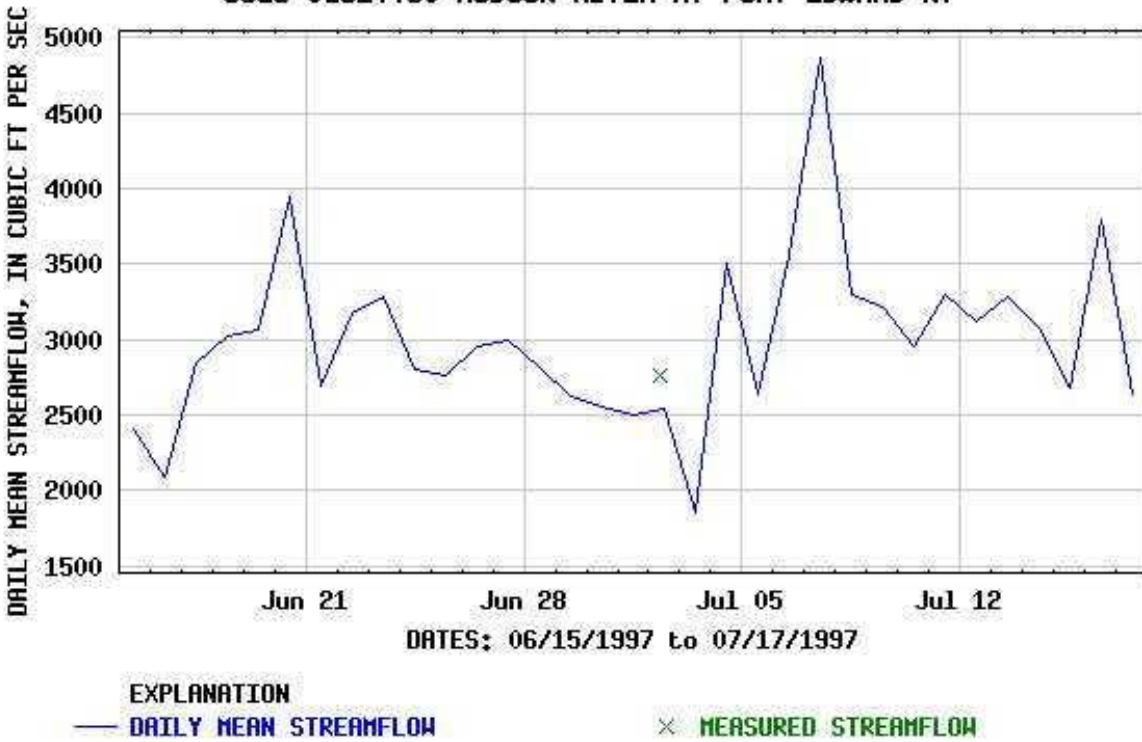
²Mean temperatures used at Stations 38, 38B and 38N were 16.2, 15.8 and 15.9 respectively.

³Optic StowAway® (S/N 77516) data: O=15.5±1.6, n=1520

⁴Optic StowAway® (S/N 66352): unit recovered with condensation in it.



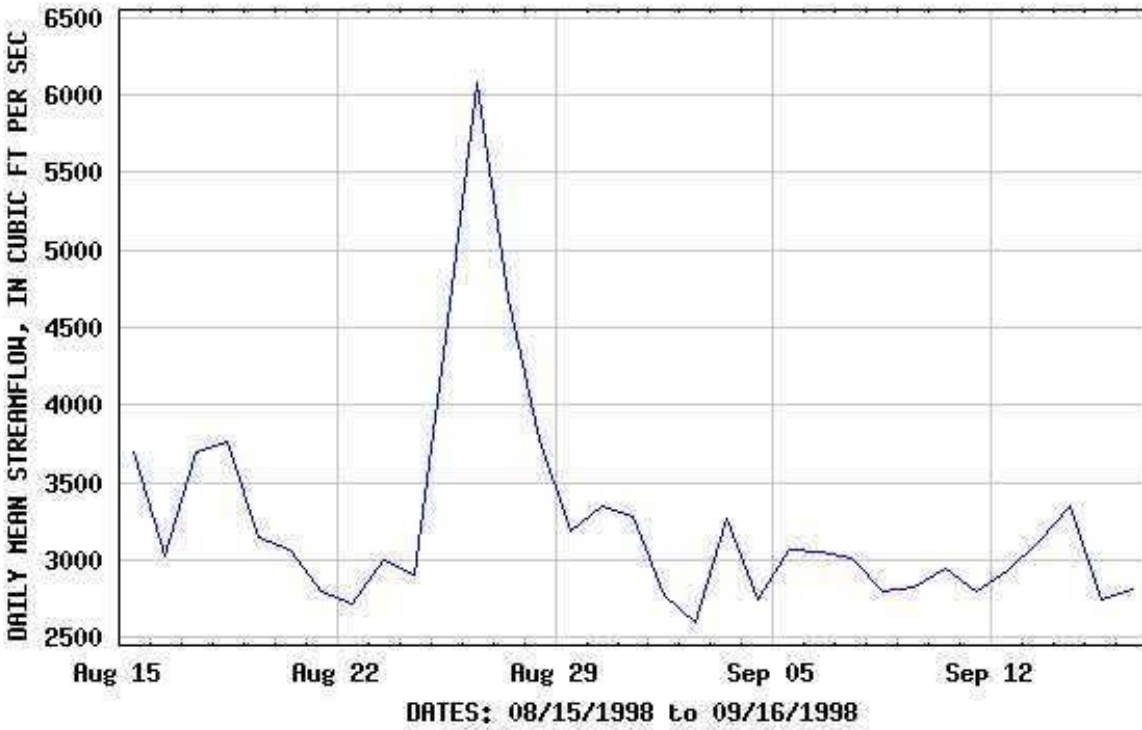
USGS 01927750 HUDSON RIVER AT FORT EDWARD NY



Appendix III - A. Upper Hudson River daily mean streamflow (cfs) at the Fort Edward USGS gauging station before and during PISCES exposures (06/30 - 07/17), 1997.



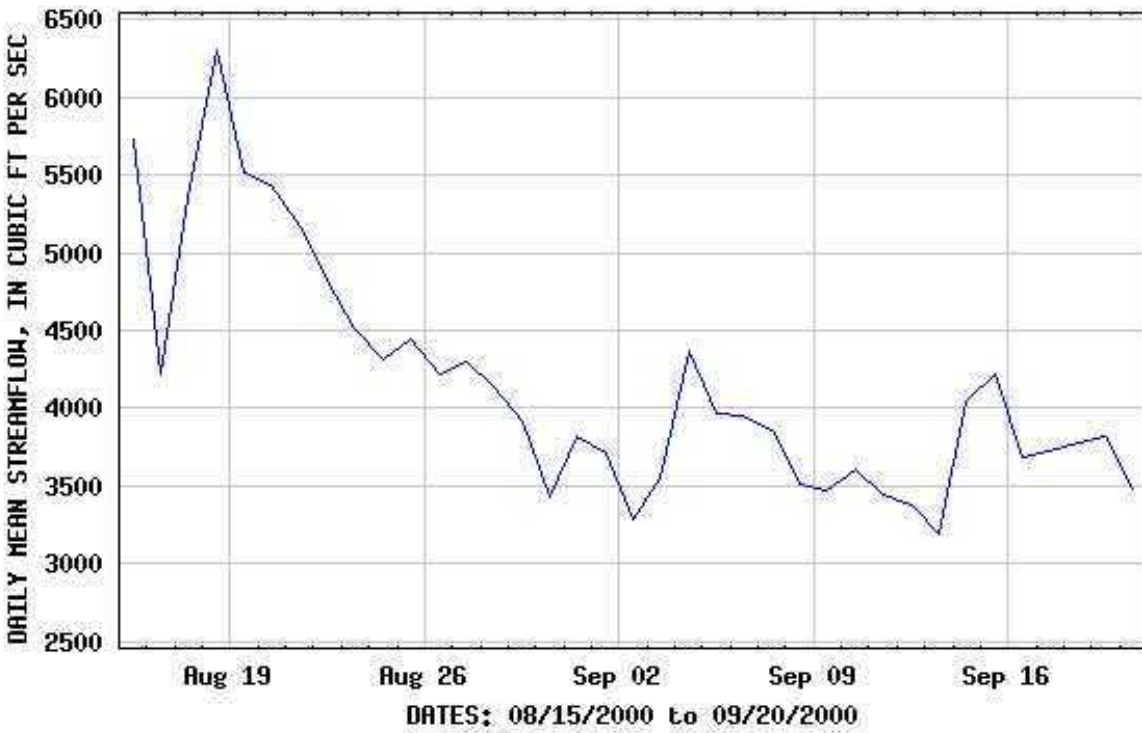
USGS 01327750 HUDSON RIVER AT FORT EDWARD NY



Appendix III - B. Upper Hudson River daily mean streamflow (cfs) at the Fort Edward USGS gauging station before and during PISCES exposures (08/27 - 09/16), 1998.



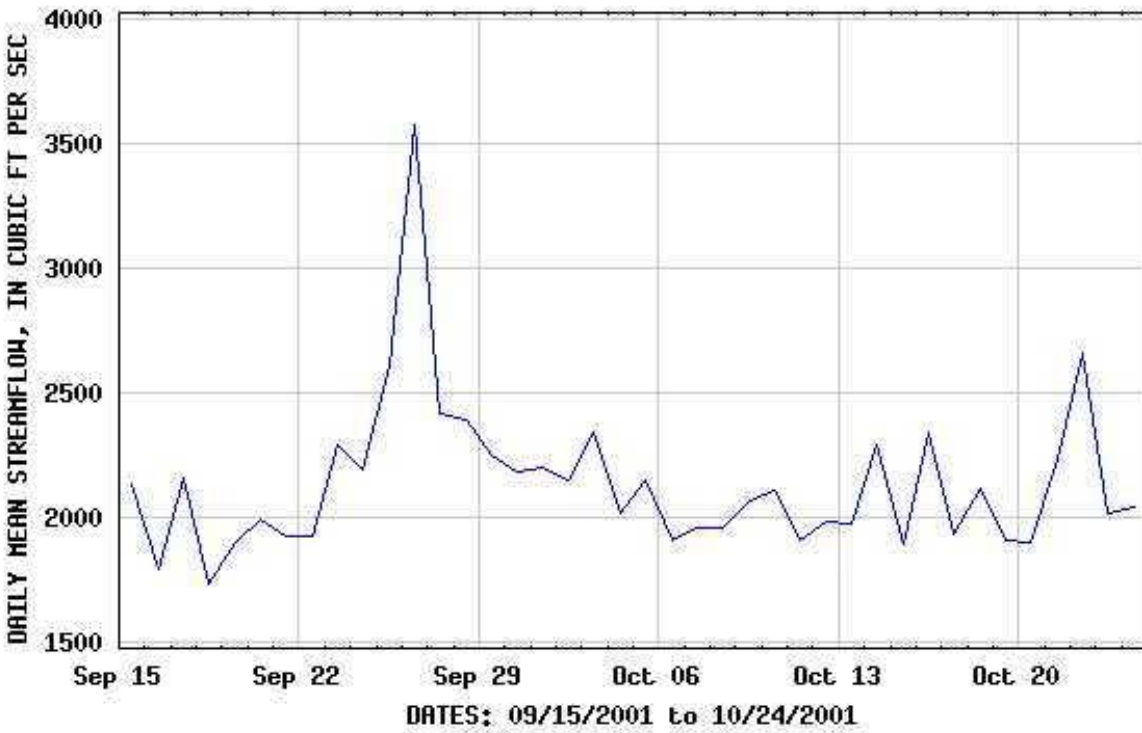
USGS 01327750 HUDSON RIVER AT FORT EDWARD NY



Appendix III - C. Upper Hudson River daily mean streamflow (cfs) at the Fort Edward USGS gauging station before and during PISCES exposures (08/28 - 09/20), 2000.



USGS 01327750 HUDSON RIVER AT FORT EDWARD NY



Appendix III - D. Upper Hudson River daily mean streamflow (cfs) at the Fort Edward USGS gauging station before and during PISCES exposures (10/02 - 10/24), 2001.

Abbreviations & Units

EC	degrees Celsius
Hx-, Pe- & TriCB	hexa-, penta- and trichlorobiphenyl
'	total
:	micro
ASU	Analytical Services Unit
cfs	cubic feet per second
conc.	concentration
EDIU	Environmental Disturbance Investigations Unit
est.	estimated
GE	General Electric Co.
HCFS	Hale Creek Field Station
HRGC	high resolution gas chromatography
IUPAC	International Union of Pure & Applied Chemistry
L	liter or labeled
LRMS	low resolution mass spectrometry
mL	milliliter(s)
ng	nanogram
ng/L	nanograms per liter (=parts per trillion, ppt)
NIST	National Institute of Standards & Technology
ND	nondetectable
NR	not recorded
PISCES	Passive In-Situ Chemical Extraction Sampler
PCB(s)	polychlorinated biphenyl(s)
QA/QC	quality assurance/quality control
RPD	relative percent difference
RMSD	root mean square difference
S/N	serial number
STP	sewage treatment plant
SD or s.d.	standard deviation
TMP	2,2,4-trimethylpentane (isooctane)
USGS	United States Geological Survey

In addition to the above other abbreviations are explained in notes accompanying Appendix I and various Tables.