PCB Residue Analysis December, 1971

Results are PPM.
Top number is wet wt.; Bottom number is lipid wt.

1.) Shoal Creek RCC 71-459

	No. Fish Used	Sample WT	A-1242	A-1254	Total PCB
Hypentelium etowanum	2	3.0	0.18	—	0.18
			2.75		2.75
Moxostoma sp.	1	2.5	0.12	—	0.12
			3.00		3.00
Campostoma anomalum	9	13.5	—	—	—
Notropis venustus	10	16.0	0.13	0.26	0.39
			2.63	5.12	7.75
Lepomis megalotis	5	11.0	0.05	0.02	0.07
			0.71	0.25	0.96
Micropterus coosae	1	2.0	0.27	0.14	0.41
			5.40	2.70	8.10
Cottus carolinae	4	2.4	0.38	0.26	0.64
			9.00	6.15	15.15
Percina nigrofasciata	1	0.7	0.43	0.15	0.58
			3.00	1.05	4.05

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2.) Choccolocco Creek at Hwy. 9 RCC 71-460

	No. Fish Used	Sample Wt	A-1242	A-1254	Total PCB
Moxostoma sp.	1	3.0	0.16	0.28	0.44
			2.44	4.13	6.57
Lepomis macrochirus	6	26.0	0.01	0.04	0.05
			0.23	0.67	0.90
Lepomis megalotis	2	11.5	0.14	—	0.14
			1.55		1.55

3.) Choccolocco Creek at M.H. Williams Bridge RDS 5137

	No. Fish Used	Sample Wt	A-1242	A-1254	Total PCB
Notemigonus crysoleucas	8	30.0	71.67	73.33	145.00
			1,075.00	1,100.00	2,175.00
Notropis venustus	9	14.5	115.52	167.24	282.76
			1,861.11	2,694.44	4,555.55
Carassius auratus	1	25.5	420.00	490.00	910.00
	Total Fish Wt. 448.0		4,200.00	4,900.00	9,100.00
Lepomis cyanellus	3	33.0	72.73	66.67	139.40
			1,333.33	1,222.22	2,555.55
Lepomis macrochirus	1	8.0	25.00	18.75	43.75
			200.00	150.00	350.00

4.) Chocolocco Creek, Highway 93 RDS 5136

	No. Fish Used	Sample WT	A-1242	A-1254	Total PCB
Notropis venustus	1	4.0	293.75	296.88	590.63
			11,750.00	11,875.00	23,625.00
Campostoma anomalum	1	3.3	5.15	—	5.15
			170.00		170.00
Notemigonus crysoleucas	2	4.0	14.69	17.50	32.19
			294.00	350.00	644.00
Lepomis cyanellus	2	25.0	123.75	125.00	248.75
			5,187.50	6,250.00	11,437.50
Lepomis megalotis	3	5.0	20.00	15.00	35.00
			666.67	500.00	1,166.67
Lepomis macrochirus	1	10.0	4.63	8.50	13.13
			92.50	170.00	262.50
Micropterus salmoides	1	4.5	1.85	3.15	5.00
			27.78	47.22	75.00

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5.) Chocolocco Creek, Hwy. 77 Bridge RCC 71-461

	No. Fish Used	Sample WT	A-1242	A-1254	Total PCB
Dorosoma cepedianum	1 Total Fish wt. 162.0	20.0	5.16 49.11	5.63 53.57	10.79 102.68
Pimephales vigilax	2	7.0	31.79 445.00	29.29 410.00	61.08 855.00
Notemigonus crysoleucas	6	20.0	2.44 40.63	6.13 52.08	8.57 92.71
Notropis venustus	3	2.5	18.50 154.17	13.50 112.50	32.00 266.67
Micropterus punctulatus	1	17.5	14.29 227.27	34.29 545.46	48.58 772.73
Lepomis cyanellus	5	22.0	5.68 78.13	11.36 156.25	17.04 234.38
Lepomis macrochirus	1	16.0	14.84 287.50	14.06 225.00	28.90 512.50
Lepomis megalotis	3	21.0	38.69 580.36	30.36 455.36	69.05 1,035.72
Micropterus salmoides	1 Total wt 80.5	21.5	5.43 77.78	10.47 150.00	15.90 227.78

6.) Cheaha Creek, Hwy. 93 RDS 5135

	No. Fish Used	Sample WT	A-1242	A-1254	Total PCB
Hypentelium etowanum	5	21.0	0.16 3.40	0.22 4.70	0.38 8.10
Campostoma anomalum	4	25.0	0.48 10.00	0.66 13.75	1.14 23.75
Notropis venustus	1	5.5	122.72 1,125.00	148.48 1,361.11	271.20 2,486.11
Lepomis cyanellus	1	20.0	0.44 5.83	0.47 6.25	0.91 12.08
Lepomis macrochirus	1	1.5	1.50 22.50	—	1.50 22.50
Lepomis megalotis	3	33.0	0.20 3.61	0.44 8.06	0.64 11.67
Cottus carolinae	8	32.0	0.05 1.25	0.05 1.33	0.10 2.58
Percina nigrofasciata	1	5.5	—	0.05 0.58	0.05 0.58

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7.) Cane Creek ROS 5139

	No. Fish Used	Sample wt.	A-1242	A-1254	Total PCB
Dorosoma cepedianum	4	24.0	—	0.90 21.50	0.90 21.50
Campostoma anomalum	2	12.0	0.10 2.04	0.07 1.42	0.17 3.46
Cyprinus carpio	1 Total wt 128.5	36.0	—	0.69 10.00	0.69 10.00
Pimephales vigilax	2	6.0	—	1.40 16.75	1.40 16.75
Lepomis macrochirus	2	30.0	—	1.75 26.25	1.75 26.25
Lepomis cyanellus	1	1.0	2.13 21.25	—	2.13 21.25
Lepomis megalotis	3	30.0	—	0.77 12.78	0.77 12.78
Micropterus salmoides	1 Total wt 470.0	28.0	—	0.34 3.80	0.34 3.80
Pomoxis nigromaculatus	1	20.0	—	1.08 10.75	1.08 10.75
Percina copelandi	1	15.5	—	2.32 30.00	2.32 30.00

8.) Aker Creek RDS 5138

	No. Fish Used	Sample wt.	A-1242	A-1254	Total PCB
Dorosoma cepedianum	4	25.0	—	1.40	1.40
				26.92	26.92
Hypentelium etowanum	1	41.0	—	0.59	0.59
				8.57	8.57
Cyprinus carpio	Not Included in Package				
Notemigonus crysoleucas	1	1.0	0.83	—	0.83
			8.25		8.25
Notropus asperifrons	4	10.0	—	1.40	1.40
				17.50	17.50
Campostoma anomalum	1	2.5	0.43	—	0.43
			3.52		3.52
Lepomis cyanellus	6	10.2	0.03	0.06	0.09
			0.38	0.89	1.27
Lepomis macrochirus	3	32.5	—	0.58	0.58
				11.72	11.72
Lepomis megalotis	2	26.0	—	0.45	0.45
				6.53	6.53
Percina capiodes	1	8.0	0.04	0.13	0.17
			0.54	1.54	2.08
Percina nigrofasciata	6	13.0	0.08	0.06	0.14
			1.79	1.38	3.17
Cottus carolinae	2	7.0	0.05	—	0.05
			0.75		0.75

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9.) Coosa River at Stemley Bridge RCC 71.462

	No. Fish Used	Sample WT	A-1242	A-1254	Total PCB
Lepomis macrochirus	9	20.0	—	3.75	3.75
				62.50	62.50
Lepomis megalotis	3	28.0	—	1.70	1.70
				47.50	47.50
Micropterus punctulatus	9	35.0	2.21	2.43	4.64
			64.58	70.83	135.41
Micropterus salmoides	2	5.0	0.35	0.80	1.15
			4.37	10.00	14.37
Pimephales vigilax	14	31.2	0.10	0.16	0.26
			2.73	4.55	7.28
Lepomis cyanellus	4	23.0	0.47	0.76	1.23
			12.04	19.44	31.48

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10.) Clear Creek RCC 71-463

	No. Fish Used	Sample WT	A-1242	A-1254	Total PCB
Dorosoma cepedianum	1	7.0	1.61	1.46	3.07
			22.50	20.50	43.00
Pimephales vigilax	11	20.0	0.98	0.96	1.94
			24.47	23.96	48.43
Lepomis cyanellus	4	23.0	0.65	0.54	1.19
			15.00	12.50	27.50
Lepomis macrochirus	7	24.0	—	0.56	0.56
				16.67	16.67
Lepomis megalotis	3	24.0	—	0.19	0.19
				4.50	4.50
Micropterus punctulatus	4	11.5	0.57	0.47	1.01
			10.83	8.33	19.16
Notropis venustus	1	3.5	2.57	4.29	6.86
			18.00	30.00	48.00
Minytrema melanops	1	27.0	0.09	0.08	0.17
	Total WT 478.0		1.32	1.25	2.57

MONS 038366