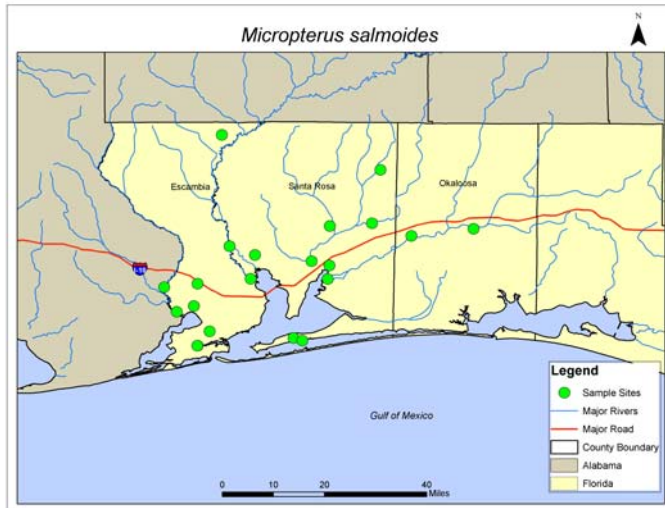




Largemouth Bass

Micropterus salmoides

Sample Locations



Mercury content

Generally high throughout the area, limited consumption advisory.

No-consumption advisory for Woodbine Springs Lake

Areas with High PCB content

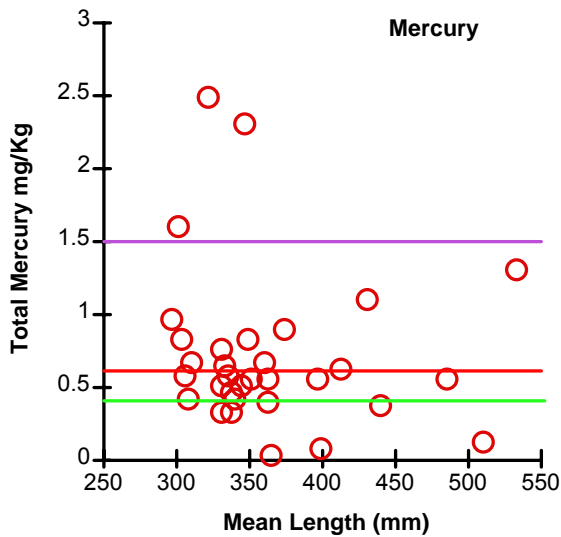
Lower Escambia River

Areas with low PCB content

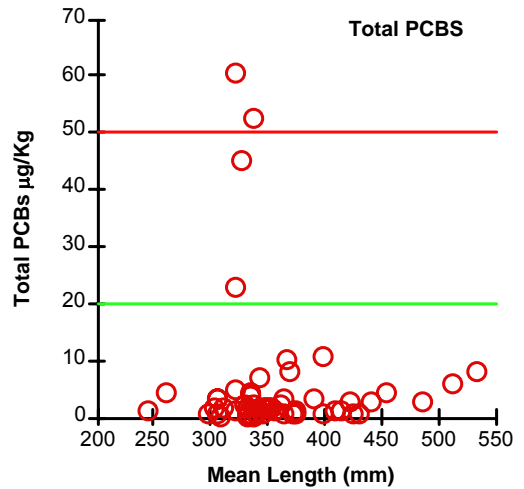
All other freshwaters sampled

A total of 163 fish from 20 locations were included in 55 samples. Single fish comprised nine samples, and the remaining 46 were composite samples of 3 or more fish. Mercury content was generally high throughout the area, and a State of Florida limited consumption advisory exists for most of the waterways sampled. A State of Florida no consumption advisory based on mercury content exists for Woodbine Lake. Samples from the lake had the highest mercury concentrations of any bass sampled.

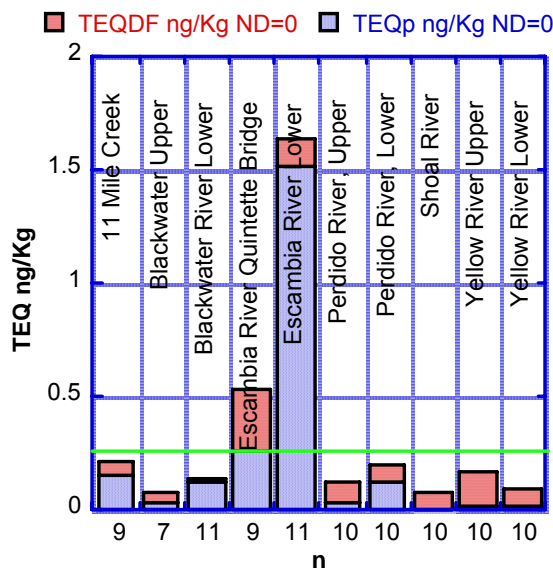
PCB and Dioxins/Furans content was low in all samples, except for the PCB loads in fish collected from the lower Escambia River, where PCB content in bass triggered a limited consumption advisory from the State of Florida.



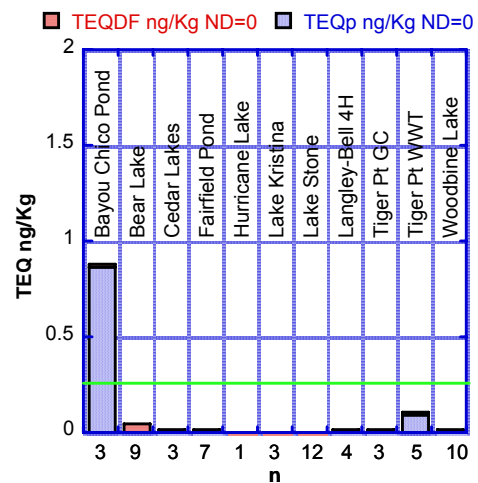
Green line: US EPA recreational consumption action limit. Red line: State of Florida threshold for limited consumption. Purple line: State of Florida threshold for no consumption advisory.



Green line: US EPA recreational consumption action limit at 20 µg/kg. Red line: State of Florida action limit at 50 µg/kg.



Toxicity of Dioxins Furans (TEQ_{DF}) and PCBs (TEQ_P) in Largemouth Bass from NW Florida Rivers. High values were obtained for fish collected in the Escambia river. The green line is the US EPA recreational consumption action limit at 0.256 ng/kg. State of Florida does not have an official action limit established for TEQ values.



Toxicity of Dioxin Furans (TEQ_{DF}) and PCBs (TEQ_P) in Largemouth Bass from NW Florida Ponds. The only high value recorded was for a composite of specimens from a borrow pit that received dredge spoil from Bayou Chico. The green line is the US EPA recreational consumption action limit at 0.256 ng/kg. State of Florida does not have an official action limit established for TEQ values.

Location	n	Mean Length (mm)	Mean Wt (g)	Sex	Mean Age	% Lipid	TEQ _{DF} ng/kg ND=0	TEQ _P ng/kg ND=0	TEQ _{DFP} ng/kg ND=0	ΣPCBs ug/kg	Hg mg/kg	LAT	LONG
11 Mile Creek	3	260	224.0		2.1	0.10	0.1045	0.3546	0.4591	4.710	0.3600	30.456	-87.377
11 Mile Creek	3	321	1836.3	F	3.6	0.10	0.0727	0.1175	0.1902	4.890	0.4200	30.456	-87.377
11 Mile Creek	3	335	518.0	M	2.6	0.30	0.0161	0.0011	0.0172	2.620	0.3200	30.456	-87.377
11 Mile Creek	1	439	1070.0	F						3.115	0.3667	30.456	-87.377
Bayou Chico Pond	3	366	573.8		3.3	0.20	0.0170	0.8609	0.8779	10.324	0.04	30.402	-87.273
Bear Lake 1	3	362	703.1		3.7	0.40	0.0678	0.0000	0.0678	0.774	0.41	30.863	-86.835
Bear Lake 2	3	330	481.7		2.0	0.50	0.0671	0.0000	0.0671	0.550	0.34	30.863	-86.835
Bear Lake 3	3	338	555.1		2.7	0.60	0.0127	0.0000	0.0127	0.665	0.34	30.863	-86.835
Blackwater River Lower	4	329	512.3			0.20	0.0062	0.0569	0.0631	2.670	0.5800	30.603	-87.030
Blackwater River Lower	3	352	655.3			0.20	0.0000	0.0678	0.0678	2.120	0.5500	30.603	-87.030
Blackwater River Lower	4	367	644.5	M		0.10	0.0474	0.2510	0.2984	8.270	0.5800	30.603	-87.030
Blackwater Upper	4	304	349.0			0.50	0.0598	0.0575	0.1173	0.841	0.7600	30.711	-86.858
Blackwater Upper	3	371	655.7			0.20	0.0422	0.0001	0.0423	0.872	1.0200	30.711	-86.858
Cedar Lakes	3	348	553.3		3.7	0.20	0.0171	0.0002	0.0173	2.058	0.84	30.591	-86.979
Escambia River Quintette Bridge	4	244	431.8			0.80	0.1010	0.0005	0.1015	1.580	0.6000	30.646	-87.262
Escambia River Quintette Bridge	4	341	684.0			1.00	0.3550	0.8059	1.1609	1.640	0.5300	30.646	-87.262
Escambia River Quintette Bridge	1	396	990.0	F						0.807	0.5643	30.646	-87.262
Escambia River Quintette Bridge	1	407	1067.0	F			0.3495	0.0003	0.3498	1.410		30.646	-87.262
Escambia River Lower	4	320	400.8	M		0.10	0.1830	0.4273	0.6103	23.400	0.47	30.554	-87.202
Escambia River Lower	3	322	487.7	M	4.3	0.30	0.0260	2.5088	2.5348	61.000	0.45	30.554	-87.202
Escambia River Lower	4	326	441.3		2.0	0.10	0.1236	1.6401	1.7637	45.400	0.46	30.554	-87.202
Escambia River Lower	3	337	516.7	M						52.697	0.4601	30.554	-87.202
Fairfield Pond	3	332	450.0		4.0	0.30	0.0090	0.0026	0.0116	4.320	0.66	30.404	-87.319
Fairfield Pond	3	362	601.5		3.0	0.10	0.0130			3.776	0.570	30.404	-87.319
Fairfield Pond	1	532	1970.0		6.0	0.20	0.0479			8.281	1.30	30.404	-87.319
Hurricane Lake	1	340	376.9		4.0	0.20	0.0049	0.0001	0.0050	0.879	0.42	30.201	-87.117
Lake Kristina	3	307	356.7		2.3	0.20	0.0100	0.0001	0.0101	0.161	0.43	30.703	-86.978
Lake Stone 1	4	345	554.9		3.3	0.00	0.0064	0.0000	0.0064	0.728	0.51	30.962	-87.284
Lake Stone 2	4	331	488.3		3.3	0.00	0.0063	0.0000	0.0063	0.666	0.51	30.962	-87.284
Lake Stone 3	4	336	468.5		4.0	0.00	0.0085	0.0000	0.0085	0.537	0.58	30.962	-87.284
Langley-Bell 4H	3	296	272.3		3.7	1.90	0.0240	0.0002	0.0242	1.060	0.96	30.539	-87.352
Langley-Bell 4H	1	430	780.0		5.0	0.10	0.0076	0.0002	0.0078	1.070	1.10	30.539	-87.352
Perdido River Lower	4	330	498.8			0.20	0.0995	0.0969	0.1964	2.170	0.6500	30.530	-87.447
Perdido River Lower	4	334	476.8			0.10	0.0709	0.1232	0.1941	4.240	0.4500	30.460	-87.412

Perdido River Lower	3	374	662.7	M		0.20	0.0843	0.0004	0.0847	1.280	0.8100	30.530	-87.447
Perdido River Lower	3	388	791.3			0.20	0.0970	0.1251	0.2221	3.340	0.6000	30.460	-87.412
Perdido River Lower	3	421	1079.3			0.10	0.0866	0.0053	0.0919	2.870	0.8600	30.530	-87.447
Perdido River Lower	3	454	1311.7	F		0.20	0.2270	0.1687	0.3957	4.320	0.6300	30.460	-87.412
Perdido River Lower	1	485	1665.0	F						2.912	0.5605	30.460	-87.412
Shoal River	4	305	373.3	M		0.50	0.1030	0.0078	0.1108	3.360	0.4700	30.696	-86.571
Shoal River	3	355	714.7	M		0.40	0.0000	0.0002	0.0002	1.510	0.7700	30.696	-86.571
Shoal River	3	413	1095.7	F		0.70	0.1140	0.0005	0.1145	1.250	0.6400	30.696	-86.571
Tiger Pt Golf Course	3	332	408.2		3.0	0.20	0.0200	0.0025	0.0225	4.194		30.385	-87.081
Tiger Pt WWTP effluent pond	3	305	361.3		1.0	0.20		0.1522		3.697	0.58	30.378	-87.056
Tiger Pt WWTP effluent pond	1	398	750.0		3.0	0.20	0.0190	0.1524	0.1714	11.200	0.09	30.378	-87.056
Tiger Pt WWTP effluent pond	1	510	1068.0		8.0	0.10	0.0097	0.0029	0.0126	6.080	0.13	30.378	-87.056
Woodbine Springs 1	4	301	323.9		1.0	0.20	0.0070	0.0250	0.0320	1.764	1.6	30.621	-87.190
Woodbine Springs 2	3	321	435.7		2.0	0.20	0.0000	0.0004	0.0004	1.241	2.50	30.621	-87.190
Woodbine Springs 3	3	345	463.3		2.3	0.30	0.0083	0.0012	0.0095	2.006	2.30	30.621	-87.190
Yellow River Lower	4	309	378.0			0.20	0.0500	0.0003	0.0503	1.670	0.6803	30.553	-86.984
Yellow River Lower	3	341	560.0			0.20	0.1730	0.0144	0.1874	7.330	0.8100	30.553	-86.984
Yellow River Lower	3	373	822.3	F		0.10	0.0140	0.0467	0.0607	1.090	0.7000	30.553	-86.984
Yellow River Upper	3	361	779.3			1.20	0.1215	0.0047	0.1262	2.540	0.7400	30.675	-86.747
Yellow River Upper	3	424	1225.7	F		2.80	0.2850	0.0004	0.2854	0.971	0.7400	30.675	-86.747
Yellow River, Upper	4	346	643.3	F	54.0	0.56	0.0515	0.0543	0.1058	1.980	0.65	30.675	-86.747