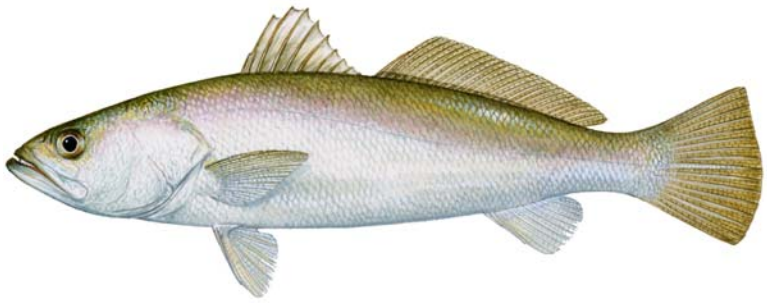
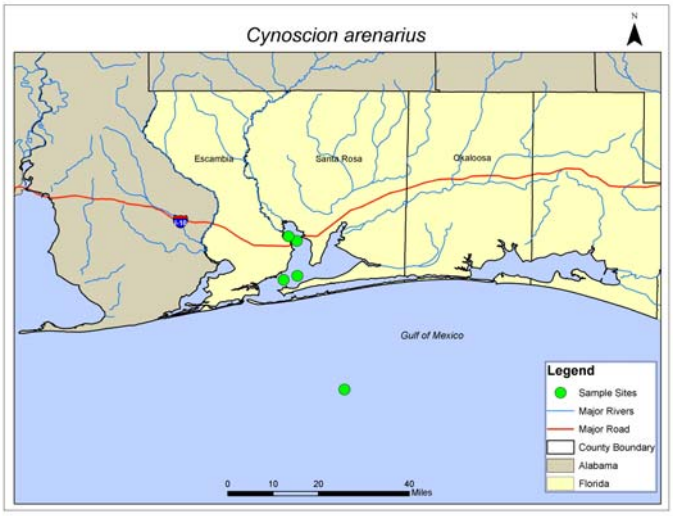


White Trout
Cynoscion arenarius

Sample Locations



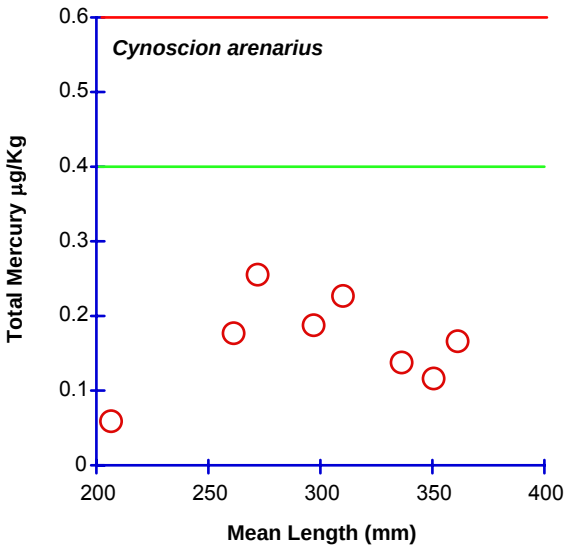
Low Mercury content in sampled fish.

Areas with High PCB content

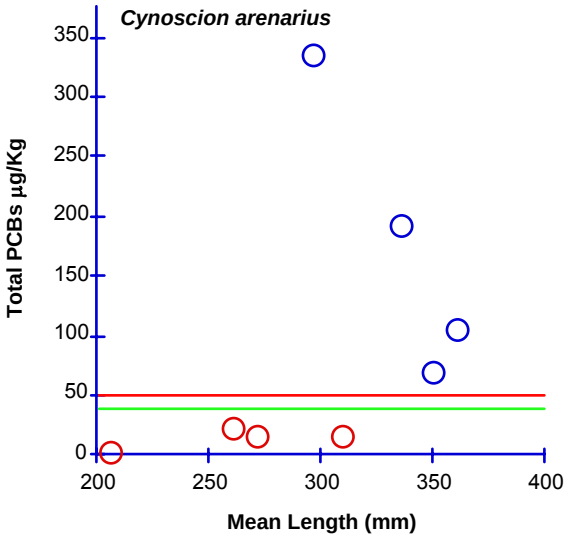
Upper Escambia Bay/I-10 bridge

Eight samples were obtained from offshore, the Pensacola Bay three mile bridge and Escambia Bay. All samples were below US EPA screening values for mercury content, and accumulation with size was not apparent. Samples from the Escambia Bay I-10 bridge were the only ones that exceeded the screening value for total PCBs and TEQ.

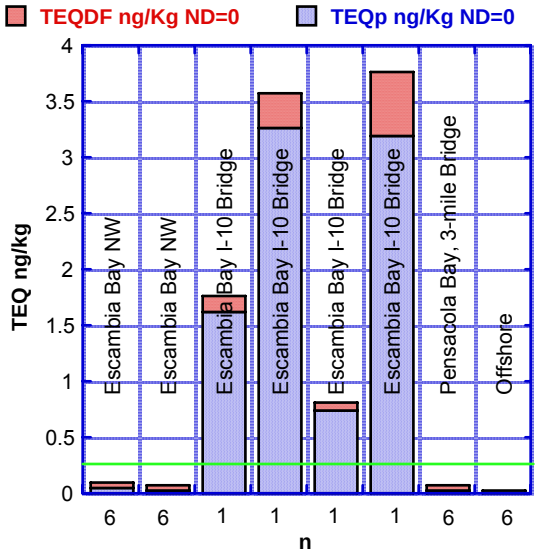
Mercury Content



Red line: State of Florida action limit at 0.60 mg/kg. Green line: US EPA recreational consumption action limit at 0.40 mg/kg



Red line: State of Florida action limit at 50 µg/kg. Green line: US EPA recreational consumption action limit at 20 µg/kg. Blue symbols from I-10 Bridge, Escambia Bay



Toxicity of Dioxins Furans (TEQ_{DF}) and PCBs (TEQ_P) in white trout from NW Florida waters. All four high values were obtained for fish collected at the Escambia Bay I-10 Bridge. 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 Weight (g)	% 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
Offshore outer shelf	6	206	151.2	1.30	0.0000	0.0369	0.0369	2.358	0.063	30.044	-86.991
Escambia Bay NW	6	260	159.3	0.60	0.0463	0.0481	0.0944	**22.472**	0.180	30.533	-87.169
Escambia Bay NW	6	271	177.3	0.50	0.0399	0.0295	0.0694	15.820	0.260	30.533	-87.169
Escambia Bay I-10 Bridge	4	296	237.5	0.30	0.1590	**1.6121**	**1.7711**	**336.00**	0.19	30.519	-87.143
Pensacola Bay, 3-mile Bridge	6	309	284.9	1.00	0.0463	0.0263	0.0726	15.727	0.230	30.394	-87.185
Escambia Bay I-10 Bridge	1	335	330.0	0.60	**0.3196**	**3.2589**	**3.5785**	**192.00**	0.14	30.519	-87.143
Escambia Bay I-10 Bridge	1	350	440.0	0.30	0.0570	**0.7504**	**0.8074**	**70.900**	0.12	30.519	-87.143
Escambia Bay I-10 Bridge	1	360	460.0	0.60	**0.5696**	**3.2012**	**3.7708**	**105.00**	0.17	30.519	-87.143