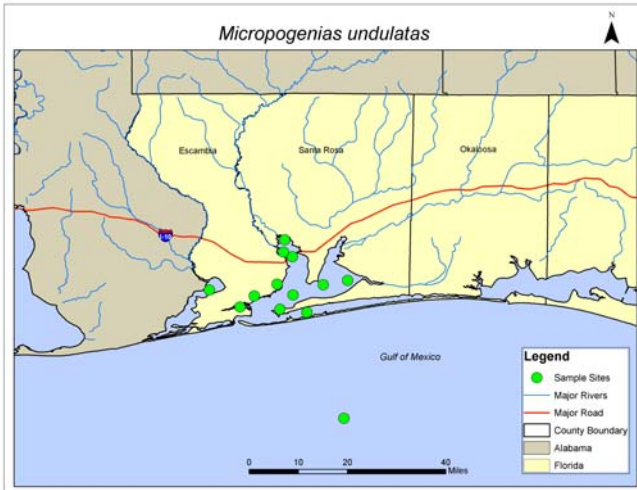


Atlantic Croaker *Micropogonias undulatus*

Sample locations



Mercury Content

Low Mercury content throughout the area.

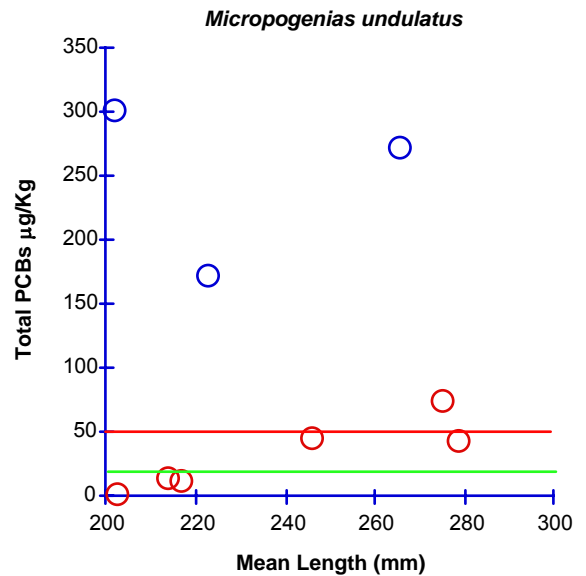
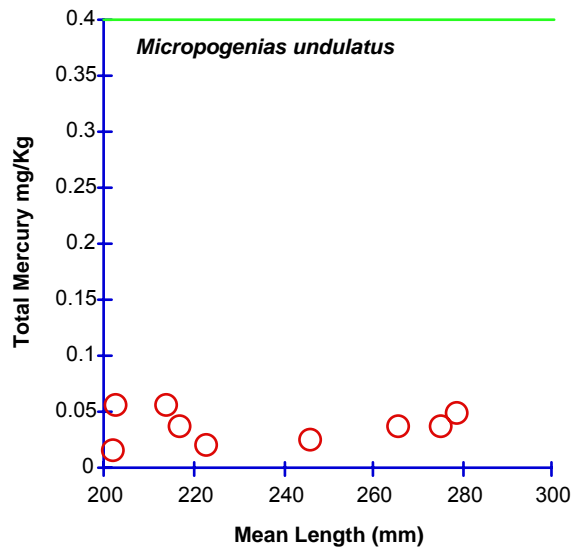
Areas with High PCB content

Upper Escambia Bay
Bayous Texar, Chico, Grande

Areas with low PCB content

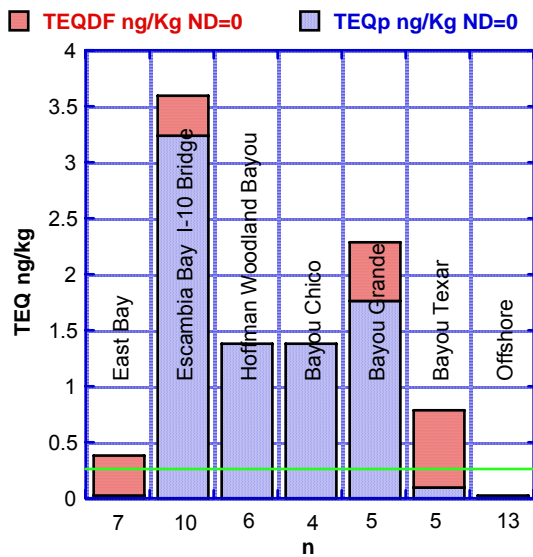
East Bay
Bayous Hoffman, Woodlawn
Bayous Texar, Grande
Offshore

Nine samples containing 50 fish (2 to 13 per composite) had very low concentrations of mercury. PCB content, however, exceeded the US EPA threshold in six of nine samples, with three of those collected in the urban bayous (Texar, Chico, Grande) and three during the Escambia Bay I-10 Bridge demolition blast. The Escambia Bay samples were three to six times higher than the samples from the bayous. Samples from East Bay, Hoffman/Woodland Bayou, and offshore had lower concentrations of total PCBs. All samples except from offshore exceeded the US EPA screening value for TEQ (Dioxins/Furans and PCBs).



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 PCB molecules as a Toxic Equivalency Quotient (TEQ). The US EPA recreational consumption action limit for TEQ at 0.256 ng/kg is indicated by the green line.

Location	n	Mean Length (mm)	Mean Weight (g)	% Lipids	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
Bayou Chico	4	246	183.5	1.80		1.3774		45.800	0.026	30.404	-87.255
Bayou Grande	5	275	214.6	2.90	0.5255	1.7625	2.2880	75.940	0.040	30.372	-87.297
Bayou Texar	5	278	261.9	2.80	0.6950	0.1010	0.7960	44.999	0.052	30.439	-87.188
East Bay	7	214	123.7	1.20	0.3535	0.0304	0.3839	16.098	0.059	30.450	-86.980
Escambia Bay I-10 Bridge	6	202	99.8	2.40	0.3365	2.6980	3.0345	303.000	0.017	30.519	-87.143
Escambia Bay I-10 Bridge	2	223	130.0	1.50	0.1829	2.2893	2.4722	174.000	0.023	30.519	-87.143
Escambia Bay I-10 Bridge	2	265	245.0	3.40	0.5007	4.7609	5.2616	274.000	0.039	30.519	-87.143
Hoffman Woodland Bayou	6	217	121.8	2.30		1.3806		14.341	0.038	30.365	-87.179
Offshore outer shelf	13	202	98.2	1.00	0.0000	0.0145	0.0145	2.205	0.059	30.044	-86.991