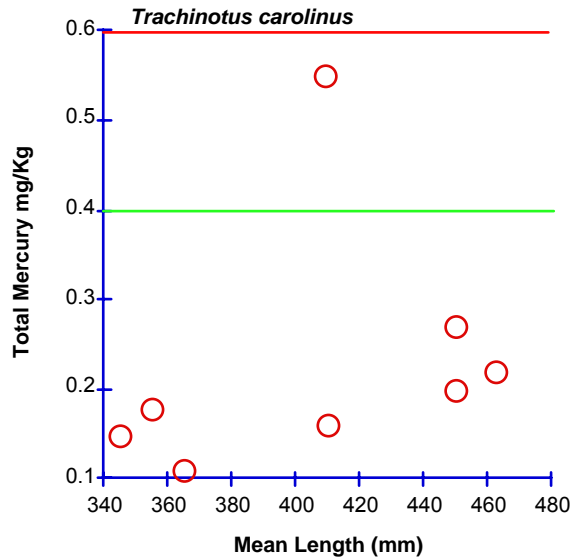


**Pompano**  
*Trachinotus carolinus*

**Sample locations:** Santa Rosa Island Surf

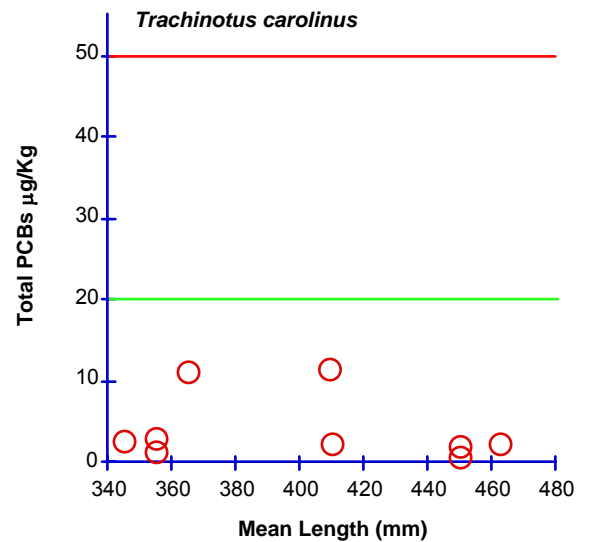
Nine fish were collected from Santa Rosa Island Surf and analyzed as individuals. Mercury accumulation with size was apparent, but only one mid-sized fish of nine samples exceeded the US EPA screening value. None of the PCB concentrations were above the US EPA screening value, and higher concentrations were found in smaller fish, consistent with estuarine utilization by juveniles in this species. The fish with the two highest PCB concentrations also had high Dioxins/Furans, and the TEQ values for these fish exceeded the US EPA TEQ screening value for recreational fisher consumption.

**Mercury Content**

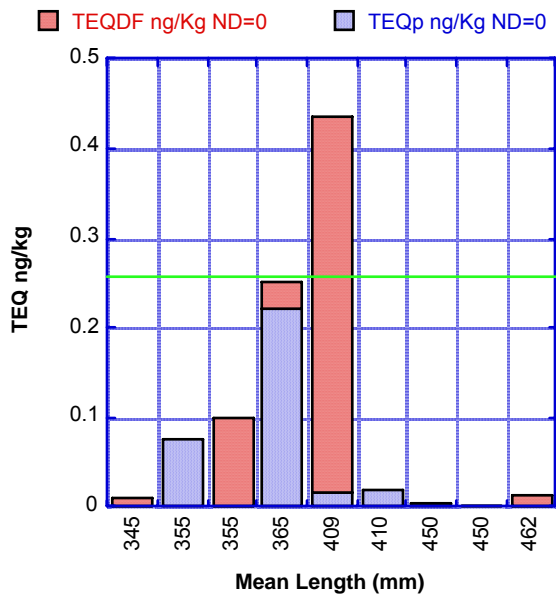


Green line: US EPA recreational consumption action limit at 0.40 mg/kg. Red line: State of Florida action limit at 0.6 mg/kg..

**PCB Content**



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



Toxicity of Dioxins Furans (TEQ<sub>DF</sub>) and PCBs (TEQ<sub>P</sub>) in Pompano from Santa Rosa Island Surf. The green line is the US EPA recreational consumption action limit at 0.256 ng/k

Location	n	Mean Lgth (mm)	Mean Wght (g)	Sex	% Lipid	TEQ <sub>DF</sub> ng/kg ND=0	TEQ <sub>P</sub> ng/kg ND=0	TEQ <sub>DFP</sub> ng/kg ND=0	ΣPCBs ug/kg	Hg mg/kg	LAT	LONG
Santa Rosa Island surf	1	345	490.0	F	0.40	0.0081	0.0014	0.0095	2.850	0.15	30.349	-87.041
Santa Rosa Island surf	1	355	520.0	F	0.30	0.0000	0.0748	0.0748	3.030	0.18	30.349	-87.041
Santa Rosa Island surf	1	355	510.0	F	1.50	0.1000	0.0004	0.1004	0.59	0.18	30.349	-87.041
Santa Rosa Island surf	1	365	610.0	F	2.30	0.0280	0.2228	0.2508	11.400	0.11	30.349	-87.041
Santa Rosa Island surf	1	409	500.0	M	0.40	<b>0.4206</b>	0.0162	<b>0.4368</b>	11.50	<b>0.55</b>	30.349	-87.041
Santa Rosa Island surf	1	410	870.0	F	2.50	0.0000	0.0192	0.0192	2.560	0.16	30.349	-87.041
Santa Rosa Island surf	1	450	1090.0	F	0.30	0.0000	0.0038	0.0038	2.050	0.27	30.349	-87.041
Santa Rosa Island surf	1	450	960.0	F	0.10	0.0000	0.0002	0.0002	0.746	0.2	30.349	-87.041
Santa Rosa Island surf	1	462	1180.0	F	0.10	0.0108	0.0010	0.0118	2.560	0.22	30.349	-87.041