

SUPPLEMENTARY TABLES

Table S1. Summary of net samples of larval fishes collected at plume and shelf stations off the coast of Alabama during April 8-10, 2016.

Station	Date (2016)	Lat	Lon	Water Column Depth (m)	Time	Water Mass	Sample Size (Bin Depth)	Concentration ind. m ⁻³ (SE)
PL1	4/8	30.13	88.14	17.3	Day	Plume	n=2 (1-4 m)	0.261 (0.108)
SH1	4/9	30.19	88.21	13.9	Night	Shelf	n=9 (1-10 m)	0.701 (0.122)
PL2	4/9	30.17	88.01	14.1	Day	Plume	n=3 (1-3 m)	0.667 (0.288)
PL3	4/10	30.19	88.19	11.0	Night	Plume	n=3 (1-3 m)	0.674 (0.228)
PL4	4/10	30.19	88.12	11.2	Day	Plume	n=2 (1-3 m)	0.249 (0.203)

Table S2. Sample sizes of striped anchovy and sand seatrout used for size, otolith, and morphometric analyses between Mobile Bay plume water and Alabama continental shelf water.

	Water mass		
	Plume	Shelf	Total
Total focal species captured in study			
Striped anchovy	145	227	372
Sand seatrout	115	360	475
Size frequency analysis			
Striped anchovy	145	187	332
Sand seatrout	115	221	336
Otolith analysis			
Striped anchovy	54	59	113
Sand seatrout	55	71	126
Morphometric analysis			
All striped anchovy	40	66	106
Post-flexion striped anchovy	40	42	82
All sand seatrout	64*	118	182
Pre-flexion sand seatrout	67	104	171

*A few individual larvae were removed from the analysis as outliers.