

Supplementary Information

Table S1. Total alkanes (sum of 34 detected analytes; mg/kg) detected in shoreline sediment samples from Pensacola Bay, Florida. Samples were collected 16 or 17 June 2010, with the exception of ERD and EB (25 June 2010) and NAS (23 July 2010). See Table 1 and Figure 1 for site identification and location mapping.

Site Code	Map Number	Total Alkanes
BCE	15	0.286
BCW	16	0.184
BG1	17	0.140
BTN	14	0.284
BTS	13	0.624
EB	10	0.056
ERD	11	0.237
FP	1	0.159
NAS	18	0.958
NLON	9	0.106
NLOS	8	0.204
SB	12	0.101
SRS1	2	0.114
SRS2	3	0.203
SRS3	4	0.173
SRS4	5	0.183
SRS5	6	0.127
SRS6	7	0.463

Table S2. Pesticides and PCB analytes not detected in shoreline sediment samples at the eighteen Pensacola Bay, Florida sites. Estimated detection limits are noted parenthetically in $\mu\text{g}/\text{kg}$. Samples were collected 16 or 17 June 2010, with the exception of ERD and EB (25 June 2010) and NAS (23 July 2010).

Organophosphates	Organochlorines
DICHLORVOS (4.5)	ALPHA-BHC (0.041)
MEVINPHOS (4.5)	BETA-BHC (0.061)
DEMETON-O,S (2.2–3.6)	DELTA-BHC (0.097)
ETHOPROP (PROPHOS) (1.9)	GAMMA-BHC (0.031)
SULFOTEP (2.3)	ALPHA-CHLORDANE (0.062)
NALED (DIBROM) (1.4)	GAMMA-CHLORDANE (0.064)
PHORATE (2.2)	HEXACHLOROBENZENE (0.092)
MONOCROTOPHOS (50)	ALDRIN (0.079)
DIAZINON (2.9)	ISODRIN (0.069)
DIMETHOATE (4)	HEPTACHLOR (0.039)
DISULFOTON (0.82)	OXYCHLORDANE (0.13)
RONNEL (1.6)	OCTACHLOROSTYRENE (0.058)
METHYL PARATHION (2.6)	CIS-NONACHLOR (0.097)
MALATHION (2)	TRANS-NONACHLOR (0.058)

Table S2. *Cont.*

Organophosphates	Organochlorines
FENTHION (1.9)	ENDOSULFAN I (0.088)
TRICHLORONATE (1.8)	ENDOSULFAN II (0.015)
ETHYL PARATHION (1.9)	ENDOSULFAN SULFATE (0.061)
MERPHOS, TOTAL (2.7)	ENDRIN (0.073)
STIROPHOS (3)	ENDRIN ALDEHYDE (0.1)
TOKUTHION (PROTHIOPHOS) (2.4)	ENDRIN KETONE (0.071)
FENSULFOTHION (7.1)	METHOXYCHLOR (0.019)
BOLSTAR (SULPROFOS) (2.8)	MIREX (0.045)
EPN (4.3)	PCB Aroclors
AZINPHOS-METHYL (4.2)	PCB-1016 (2.1)
COUMAPHOS (3.9)	PCB-1221 (2.1)
CHLORPYRIFOS (1.877)	PCB-1232 (2.1)
	PCB-1242 (2.1)
	PCB-1248 (2.1)
	PCB-1254 (2.1)
	PCB-1260 (2.1)

Table S3. Pesticide analytes detected above reporting limits ($\mu\text{g}/\text{kg}$) in shoreline sediment samples within Pensacola Bay, Florida. DDT isomers are the sum of 2,4'DDD, 2,4'DDE, 2,4'DDT; 4,4'DDD; 4,4'DDE; and 4,4'DDT. Samples were collected 16 or 17 June, 2010; see Table 1, Figure 1 for site identification and location mapping.

Site Code	Map Number	DDT Isomers	Dieldrin	Heptachlor Epoxide
BCE	15	0.903		
BTN	14	0.4	0.099	
BTS	13	0.528	0.17	0.16
SRS2	3		1.5	
SRS4	5	3.596		
SRS5	6	1.029		
SRS6	7	0.448		

Table S4. Metals detected in shoreline sediment samples at eighteen Pensacola Bay, Florida sites (mg/kg). Samples were collected 16 or 17 June 2010, with the exception of ERD and EB (25 June 2010) and NAS (23 July 2010). See Table 1, Figure 1 for site identification and location mapping.

Site Code	Map Number	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
BCE	15	0.28	0.012	0.71	1.57	8.03	5.1	0.25	11.4
BCW	16	0.24	0.004	0.78	1.04	1.75	2.1	0.27	3.8
BG1	17	0.07	0.002	0.28	0.27	0.259	0.7	0.08	1.4
BTN	14	0.21	0.022	1.55	1.78	9.4	4	0.24	7.7
BTS	13	0.15	0.012	1.02	0.57	1.76	1.8	0.23	4.1
EB	10	0.17	0.003 *	0.25	0.08	0.18	1.1	0.08	0.8
ERD	11	0.12	0.003	0.43	0.11	0.488	0.8	0.12	1.2
FP	1	0.05	0.003	0.11	0.04 *	0.097	0.3 *	0.05	0.8
NAS	18	0.04	0.001 *	0.06	0.04	0.118	0.3 *	0.02	1
NLON	9	0.15	0.004	0.23	0.08	0.373	0.7	0.1	0.6
NLOS	8	0.05 *	0.003 *	0.16	0.08	0.352	0.8	0.07	0.7
SB	12	0.27	0.004	1.37	0.24	0.523	1.1	0.15	2.1
SRS1	2	0.04 *	0.002 *	0.18	0.04 *	0.066	0.4	0.07	0.7
SRS2	3	0.06	0.002	0.11	0.03	0.107	0.4 *	0.04	0.9
SRS3	4	0.05	0.002 *	0.10	0.03 *	0.04	1.0	0.05	0.7
SRS4	5	0.06	0.004	0.58	0.07	0.639	1.0	0.05	1.0
SRS5	6	0.08	0.004	0.49	0.22	1.67	0.8	0.06	1.0
SRS6	7	0.16	0.005	0.3	7.11	0.279	1.1	0.11	2.4

* Asterisks indicate samples in which results are equivalent to the detection limit.