

## Supplementary information for: Concentrations of DDTs and Dieldrin in Long Island Sound Sediment

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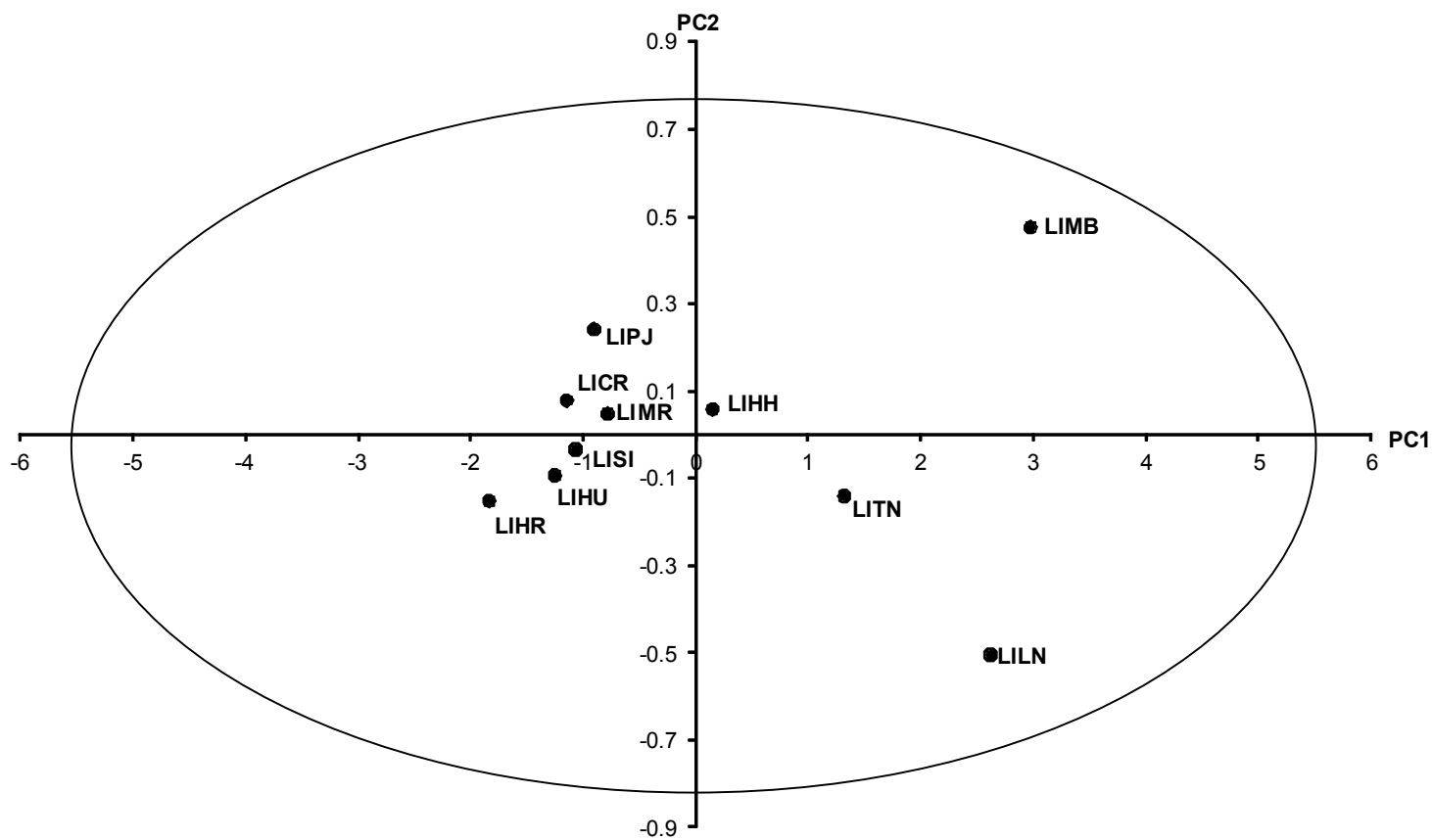
**Table S-1.** Concentrations of DDTs and dieldrin in surficial sediments and sediments in different depths of cores from LIS in ng/g dry weight. Surficial samples initialized with an “A” indicate archived samples from previous surveys. The values of total DDXs (the sum of *p,p'*-DDE, *p,p'*-DDD and *p,p'*-DDT) and the ratio of *p,p'*-DDT to total DDXs were also listed. (See Figure 1 for site names and locations).

Site Code	Depth / cm	Dieldrin	<i>p,p'</i> -DDE	<i>p,p'</i> -DDD	<i>p,p'</i> -DDT	total DDXs	<i>p,p'</i> -DDT / total DDXs
A-LINH	Surficial	0.19	0.29	0.63	0.39	1.31	0.30
LIHR	Surficial	0.05	0.16	1.60	0.31	2.07	0.15
A-LIHR	Surficial	0.70	4.05	9.66	4.80	18.51	0.26
LIHU	Surficial	0.72	1.88	1.61	1.52	5.02	0.30
LISI	Surficial	0.23	2.57	2.87	1.33	6.77	0.20
LICR	Surficial	0.57	2.78	1.87	1.38	6.03	0.23
A-LICR	Surficial	0.25	2.13	2.04	0.82	4.99	0.16
LIPJ	Surficial	0.48	4.00	2.24	1.52	7.76	0.20
A-LIPJ	Surficial	0.26	2.65	1.48	1.43	5.57	0.26
LIMR	Surficial	0.64	3.60	3.23	1.69	8.52	0.20
LITN	Surficial	1.65	8.29	9.67	4.05	22.01	0.18
A-LITN	Surficial	0.67	1.41	2.60	0.94	4.95	0.19
LIHH	Surficial	1.09	6.03	5.80	2.71	14.54	0.19
A-LIHH	Surficial	1.94	13.23	13.22	6.11	32.56	0.19
LILN	Surficial	3.56	10.29	13.35	6.02	29.66	0.20
LIMB	Surficial	5.27	14.79	12.93	5.46	33.18	0.16
LIMB	0.6	4.32	14.48	11.65	2.42	28.55	0.08
LIMB	6.1	11.71	22.83	19.69	11.10	53.62	0.21
LIMB	11.7	4.44	17.08	14.34	5.37	36.79	0.15
LIMB	17.2	5.24	20.59	17.41	7.47	45.47	0.16
LIMB	22.8	7.68	25.92	20.93	7.22	54.07	0.13
LIMB	28.3	6.14	27.72	20.86	7.18	55.76	0.13
LIMB	33.9	4.80	24.36	17.08	7.07	48.51	0.15
LIMB	39.4	5.69	35.24	22.80	8.32	66.36	0.13
LIMB	45.0	1.31	19.95	13.55	2.78	36.28	0.08

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LIMB	49.4	2.56	10.03	9.59	2.63	22.25	0.12
LILN	0.6	4.99	17.26	19.15	7.17	43.58	0.16
LILN	3.9	3.66	10.65	16.69	2.55	29.89	0.09
LILN	11.7	5.51	11.45	17.79	5.02	34.26	0.15
LILN	17.2	5.66	13.38	20.30	6.14	39.82	0.15
LILN	22.8	5.77	15.92	25.07	8.94	49.93	0.18
LILN	28.3	5.28	17.37	25.00	10.90	53.27	0.20
LILN	32.8	3.86	15.48	20.97	4.29	40.74	0.11
LILN	33.9	4.55	15.66	20.22	5.69	41.57	0.14
LILN	35.0	4.32	16.41	23.90	5.31	45.62	0.12
LILN	39.4	6.64	17.19	23.90	6.74	47.83	0.14
LILN	43.9	3.38	15.99	20.36	4.19	40.54	0.10
LILN	46.1	3.54	14.94	20.19	4.55	39.68	0.11
LILN	50.5	4.89	17.78	24.57	8.39	50.74	0.17
LIHH	0.6	1.81	6.03	5.55	2.73	14.31	0.19
LIHH	5.3	1.30	6.92	6.57	2.65	16.14	0.16
LIHH	11.1	1.90	10.70	7.51	3.17	21.38	0.15
LIHH	17.0	3.13	11.70	9.45	4.10	25.25	0.16
LIHH	22.8	2.77	12.93	9.34	4.16	26.43	0.16
LIHH	27.2	3.96	17.74	12.36	5.56	35.66	0.16
LIHH	32.8	1.92	8.74	5.20	2.82	16.76	0.17
LIHH	38.3	5.44	26.56	15.28	8.50	50.34	0.17
LITN	1.8	1.84	9.43	8.28	4.85	22.56	0.22
LITN	6.4	1.82	10.05	9.48	5.38	24.91	0.22
LITN	13.5	2.07	11.87	9.74	5.14	26.75	0.19
LITN	18.1	1.06	15.97	13.38	5.00	34.35	0.15
LITN	24.0	1.97	12.31	11.94	4.62	28.87	0.16
LITN	29.8	1.93	11.11	10.20	4.96	26.27	0.19
LITN	35.7	1.65	10.66	9.62	1.97	22.25	0.09
LITN	41.5	0.05	2.79	1.30	1.44	5.53	0.26
LITN	47.4	0.12	0.71	0.70	0.42	1.83	0.23
LITN	52.1	0.06	0.52	0.49	0.10	1.11	0.09
LITN	55.6	0.10	0.34	0.69	0.08	1.11	0.07

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**Figure S-1.** Principle component analysis (PCA) score plot depicting principle component one (PC1) and principle component two (PC2) obtained from the concentrations of *p,p'*-DDT, *p,p'*-DDD, and *p,p'*-DDE in LIS surficial sediments.

**Table S-2.** Component loading matrix of PCA in Figure S-1.

	PC1	PC2
<i>p,p'</i> -DDE	0.96	0.04
<i>p,p'</i> -DDD	0.98	0.01
<i>p,p'</i> -DDT	0.98	0.01
Variance (%)	97.25	2.23