

**Table 26.** Statistical summary for the 28-day bed-sediment chronic toxicology study (batch 2) of the control and environmental samples collected from the harbors and bays in New Jersey and New York during the Hurricane Sandy reconnaissance study, July–August 2013, and analyzed for the estuarine amphipod *Leptocheirus plumulosus* by survival rate, biomass, individual dry weight, and reproductive effects.

[Map location number refers to figures 2 and 3. Samples were analyzed at the U.S. Army Corps of Engineers Engineer Research and Development Center, Vicksburg, Mississippi, and are archived in a project database. n, sample size; **bold**, indicates value is significantly different from that for the control sample; --, not applicable]

Site code	Map location number	Mean	Standard deviation	Standard error	Coefficient of variance (percent)	n
Survival rate following 28-day exposure (percent)						
Control	--	91.0	10.2	4.60	11.3	5
NCA10-1625/BBC/SJ10	1	75.0	42.1	18.8	56.2	5
BBE/SJ13	2	91.0	10.2	4.60	11.3	5
BBG/SJ11	3	86.0	8.90	4.00	10.4	5
BBH/SJ12	4	92.0	10.4	4.60	11.3	5
BBM/SJ9	5	94.0	8.20	3.70	8.70	5
NCA10-1616/BBA/SJ7	6	90.0	7.90	3.50	8.80	5
NCA10-1623/BBB/SJ6	7	93.0	6.70	3.00	7.20	5
BBL/SJ8	8	71.0	34.5	15.4	48.6	5
BBJ/SJ3	12	91.0	10.2	4.60	11.3	5
BBK/SJ5	13	85.0	11.7	5.20	13.8	5
MANA1	26	82.0	24.6	11.0	30.1	5
MANA2	27	85.0	8.70	3.90	10.2	5
NOAA2	34	<b>47.0</b>	28.0	12.5	59.5	5
NOAA2 <sup>1</sup>	34	79.0	9.60	4.30	12.2	5
SHARK1	35	65.0	42.6	19.0	65.5	5
SHARK1 <sup>1</sup>	35	77.0	22.8	10.2	29.6	5
SHREW1	36	85.0	12.2	5.50	14.4	5
SHREW2	37	90.0	7.90	3.50	8.80	5
GSB07	158	94.0	6.50	2.90	6.90	5
SOB01	163	93.0	8.40	3.70	9.00	5
Biomass following 28-day exposure (milligrams)						
Control	--	25.1	7.63	3.41	30.4	5
BBC/SJ10	1	18.1	11.8	5.29	65.5	5
BBE/SJ13	2	24.8	4.65	2.08	18.8	5
BBG/SJ11	3	27.4	5.12	2.29	18.7	5
BBH/SJ12	4	32.5	7.10	3.18	21.9	5
BBM/SJ9	5	31.8	2.05	0.916	6.40	5
NCA10-1616/BBA/SJ7	6	26.0	2.71	1.21	10.4	5
NCA10-1623/BBB/SJ6	7	28.2	13.9	6.21	49.2	5
BBL/SJ8	8	19.4	8.09	3.62	41.7	5
BBJ/SJ3	12	19.3	7.35	3.29	38.0	5
BBK/SJ5	13	20.4	5.82	2.60	28.5	5
MANA1	26	23.7	11.1	4.96	46.8	5
MANA2	27	23.7	2.65	1.18	11.1	5
NOAA2	34	<b>4.88</b>	2.74	1.23	56.2	5
NOAA2 <sup>1</sup>	34	<b>12.9</b>	4.10	1.83	31.9	5
SHARK1	35	22.8	17.6	7.87	77.2	5
SHARK1 <sup>1</sup>	35	24.9	12.9	5.79	51.9	5
SHREW1	36	22.5	9.18	4.11	40.8	5
SHREW2	37	22.0	6.63	2.96	30.2	5
GSB07	158	29.3	9.62	4.30	32.9	5
SOB01	163	27.7	8.24	3.69	29.7	5

## 2 Estuarine Bed-Sediment-Quality Data Collected in New Jersey and New York after Hurricane Sandy, 2013

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Site code	Map location number	Mean	Standard deviation	Standard error	Coefficient of variance (percent)	n
Individual dry weight following 28-day exposure (milligrams)						
Control	--	1.37	0.372	0.166	27.2	5
BBC/SJ10	1	1.20	0.329	0.164	27.5	4
BBE/SJ13	2	1.36	0.170	0.076	12.5	5
BBG/SJ11	3	1.61	0.244	0.109	15.2	5
BBH/SJ12	4	1.75	0.251	0.112	14.3	5
BBM/SJ9	5	1.70	0.177	0.079	10.4	5
NCA10-1616/BBA/SJ7	6	1.44	0.098	0.044	6.80	5
NCA10-1623/BBB/SJ6	7	1.50	0.709	0.317	47.2	5
BBL/SJ8	8	3.50	5.59	2.50	160	5
BBJ/SJ3	12	1.04	0.321	0.144	30.8	5
BBK/SJ5	13	1.22	0.384	0.172	31.4	5
MANA1	26	1.35	0.408	0.182	30.3	5
MANA2	27	1.41	0.198	0.089	14.1	5
NOAA2	34	<b>0.534</b>	0.100	0.050	18.7	4
NOAA2 <sup>1</sup>	34	<b>0.823</b>	0.231	0.103	28.0	5
SHARK1	35	1.44	0.617	0.276	42.9	5
SHARK1 <sup>1</sup>	35	1.57	0.696	0.311	44.3	5
SHREW1	36	1.30	0.388	0.174	29.8	5
SHREW2	37	1.20	0.260	0.116	21.6	5
GSB07	158	1.55	0.461	0.206	29.7	5
SOB01	163	1.47	0.363	0.162	24.7	5
Reproductive effects following 28-day exposure (ratio of neonates/survivors)						
Control	--	5.42	2.78	1.24	51.3	5
BBC/SJ10	1	3.16	2.92	1.46	92.3	4
BBE/SJ13	2	2.73	1.60	0.714	28.2	5
BBG/SJ11	3	5.31	1.50	0.671	46.9	5
BBH/SJ12	4	4.99	2.07	0.925	28.2	5
BBM/SJ9	5	5.27	3.04	1.36	57.7	5
NCA10-1616/BBA/SJ7	6	3.56	1.38	0.616	38.7	5
NCA10-1623/BBB/SJ6	7	4.43	2.91	1.30	65.7	5
BBL/SJ8	8	2.80	1.95	0.874	69.7	5
BBJ/SJ3	12	1.47	1.61	0.721	110	5
BBK/SJ5	13	3.33	1.57	0.700	46.9	5
MANA1	26	3.48	2.08	0.929	59.7	5
MANA2	27	4.09	2.67	1.19	65.2	5
NOAA2	34	<b>0.434</b>	0.552	0.276	28.2	4
NOAA2 <sup>1</sup>	34	<b>0.872</b>	1.07	0.478	28.2	5
SHARK1	35	2.84	3.28	1.47	28.2	5
SHARK1 <sup>1</sup>	35	5.81	3.85	1.72	28.2	5
SHREW1	36	2.75	1.70	0.760	61.7	5
SHREW2	37	2.20	0.899	0.402	40.8	5
GSB07	158	3.76	1.77	0.793	47.1	5
SOB01	163	2.48	0.801	0.358	32.2	5

<sup>1</sup>Field replicate.