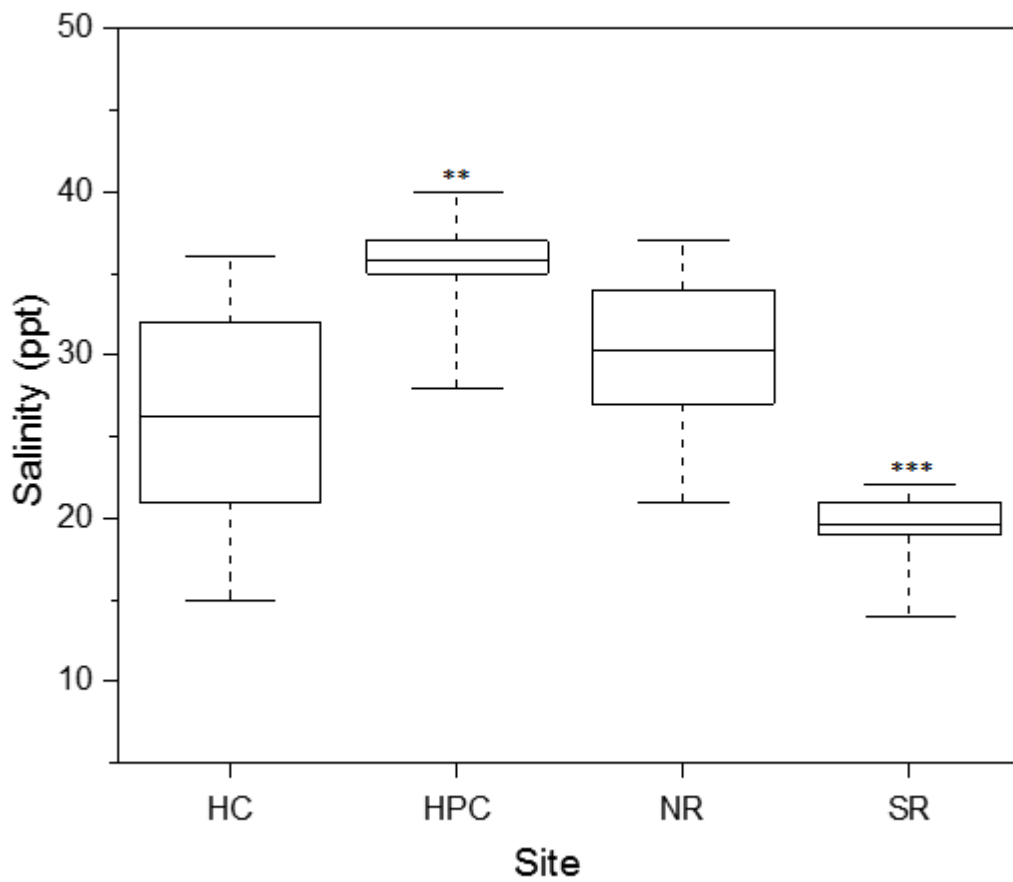


Supplementary Figure 1. Salinity of the water overlaying the oysters at the time of oyster collections, arranged by site; Hoop Pole Creek (HPC), Harlowe Creek (HC), South River (SR), North River (NR). Boxes represent 25<sup>th</sup>-75<sup>th</sup> percentile, whiskers are minimum and maximum, and the solid horizontal line represents the mean. Asterisks represent means significantly different from the others (\*\* =  $p < 0.01$ , \*\*\* =  $p < 0.001$ ).



Supplementary Table 1. The minimum (Min), maximum (Max), and mean values of each listed parameter recorded at the time of oyster collection, arranged by sites Hoop Pole Creek (HPC), Harlowe Creek (HC), South River (SR), North River (NR) and the data for all sites combined (All Sites). Values below the limit of detection are listed with a “<”.

Site	Salinity (‰)			Water Temperature (°C)			24 hour precipitation (cm)			Wind Velocity (kph)			Total <i>Vibrio</i> in water (cfu/ml)			Total <i>Vibrio</i> in oysters (cfu/g)		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
HPC	28	40	35.8	7.2	27.2	18.9	0	1.3	0.3	8.1	32.2	19.2	0.6	170	40.5	<10	34667	6940
HC	15	36	26.2	7.2	27.2	18.9	0	1.3	0.3	8.1	32.2	19.2	6	180	64.0	328	43847	8293
SR	14	22	19.6	7.7	29.2	19.7	0	5.1	0.8	12.1	32.2	21.9	4	170	60.4	747	24049	7974
NR	25	37	31	7.7	26.9	19.3	0	5.1	0.8	12.1	32.2	22.4	1.8	264	60.8	204	37838	9567
All Sites	14	40	27.8	7.2	29.2	18.3	0	5.1	0.6	8.1	32.2	20.7	0.6	264	54.1	<10	43847	7749

Site	<i>V. vulnificus</i> in water (cfu/ml)			<i>V. vulnificus</i> in oysters (cfu/g)			<i>V. parahaemolyticus</i> in water (cfu/ml)			<i>V. parahaemolyticus</i> in oysters (cfu/g)		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
HPC	<0.1	6	0.5	<10	147	14	<0.1	16	3	<10	2472	264
HC	<0.1	256	28	<10	2905	309	<0.1	88	13	<10	2479	419
SR	<0.1	332	46	<10	5740	1541	<0.1	8.8	2.4	<10	1761	318
NR	<0.1	16	3.5	<10	268	49	<0.1	22	5	<10	913	170
All Sites	<0.1	332	191	<10	5740	154	<0.1	88	5.4	<10	2479	277

Supplementary Table 1. The minimum (Min), maximum (Max), and mean values of each listed parameter recorded at the time of oyster collection, arranged by sites Hoop Pole Creek (HPC), Harlowe Creek (HC), South River (SR), North River (NR) and the data for all sites combined (All Sites). Values below the limit of detection are listed with a “<”.