

Table S1. Lipid, protein, carbohydrate, and total food (LPC) concentration by site during the 2021 and 2022 oyster spawning seasons in Mississippi Sound. BB, Between Bridges; BL, Bay St. Louis; HP, Henderson Point; PC, Pass Christian; PM, Pass Marianne; SJ, St. Joe; TG, Telegraph.

Date	Station	mg l ⁻¹			
		Lipid	Protein	Carbohydrate	LPC
May 14, 2021	BB	0.547	0.367	0.943	1.857
	BL	0.483	1.088	0.718	2.288
	HP	2.946	0.749	0.764	4.458
	PC	4.501	1.905	1.075	7.481
	PM	1.942	1.677	0.580	4.199
	SJ	0.671	2.800	1.364	4.835
	TG	0.314	0.783	0.529	1.626
May 24, 2021	BB	10.541	1.141	1.179	12.861
	BL	4.047	1.212	0.774	6.033
	HP	1.748	1.870	0.680	4.298
	PC	3.461	0.751	0.529	4.741
	PM	0.495	1.324	0.529	2.348
	SJ	1.363	1.173	0.746	3.283
	TG	0.002	1.000	0.635	1.637
June 10, 2021	BB	1.519	5.206	1.731	8.456
	BL	2.384	7.213	1.731	11.328
	HP	0.973	3.087	1.126	5.186
	PC	1.515	0.015	0.662	2.192
	PM	1.817	0.096	0.720	2.632
	SJ	2.329	7.523	1.382	11.235
	TG	1.305	2.264	0.596	4.165
June 30, 2021	BB	1.279	0.047	0.923	2.249
	BL	1.073	0.015	0.348	1.436
	HP	1.352	2.049	0.736	4.136
	PC	2.911	1.005	0.793	4.709
	PM	2.557	0.408	0.464	3.428
	SJ	1.010	0.139	0.414	1.564
	TG	0.534	0.267	0.542	1.343
July 14, 2021	BB	2.620	0.947	0.802	4.368
	BL	4.252	3.506	1.480	9.238
	HP	1.630	0.509	0.734	2.874
	PC	1.077	0.291	0.337	1.706
	PM	0.990	0.408	0.366	1.764
	SJ	0.551	0.095	0.328	0.974

	TG	0.961	1.069	0.260	2.290
July 28, 2021	BB	0.552	1.512	0.336	2.400
	BL	0.932	7.399	0.346	8.677
	HP	1.214	1.174	0.502	2.889
	PC	2.420	1.276	0.849	4.546
	PM	1.554	1.768	0.884	4.207
	SJ	0.074	1.407	0.289	1.771
	TG	1.003	0.996	0.428	2.426
August 11, 2021	BB	0.862	1.207	0.439	2.508
	BL	1.497	0.844	0.274	2.615
	HP	1.110	1.189	0.291	2.590
	PC	1.098	0.572	0.218	1.889
	PM	1.902	8.331	0.336	10.569
	SJ	1.265	0.391	0.380	2.035
	TG	1.862	2.126	0.363	4.351
September 24, 2021	BB	1.457	1.096	0.552	3.106
	BL	1.318	0.545	0.917	2.780
	HP	1.592	0.841	0.637	3.069
	PC	1.491	0.018	0.355	1.864
	PM	2.379	0.453	0.734	3.566
	SJ	0.911	0.089	0.353	1.353
	TG	0.816	0.389	0.300	1.505
September 30, 2021	BB	0.971	0.539	0.491	2.001
	BL	0.855	0.620	0.363	1.838
	HP	0.500	0.583	0.402	1.485
	PC	1.227	0.315	0.172	1.714
	PM	1.605	0.227	0.110	1.942
	SJ	1.265	0.064	0.211	1.540
	TG	0.678	0.184	0.164	1.025
October 8, 2021	BB	1.166	1.387	0.702	3.255
	BL	0.966	0.911	0.425	2.302
	HP	1.467	0.648	0.496	2.611
	PC	2.499	0.653	0.558	3.710
	PM	0.651	0.756	0.295	1.702
	SJ	1.785	0.317	0.405	2.507
	TG	1.286	0.463	0.344	2.093
October 21, 2021	BB	1.435	0.754	0.396	2.585
	BL	2.962	0.624	0.391	3.978
	HP	2.716	0.209	0.368	3.293

	PC	2.751	0.197	0.356	3.303
	PM	2.444	0.344	0.479	3.266
	SJ	3.104	0.015	0.351	3.469
	TG	2.868	0.254	0.517	3.639
October 25, 2021	BB	3.368	0.504	0.458	4.331
	BL	2.764	0.559	0.264	3.587
	HP	1.029	3.353	0.315	4.697
	PC	2.627	0.049	0.605	3.282
	PM	1.102	0.184	0.234	1.520
	SJ	1.601	0.544	0.297	2.441
	TG	2.002	0.561	0.353	2.916
May 12, 2022	BB	0.606	0.595	0.273	1.474
	BL	1.524	0.812	0.292	2.628
	HP	0.326	0.543	0.278	1.147
	PC	1.602	1.375	0.615	3.591
	PM	1.174	0.262	0.434	1.870
	SJ	0.974	0.845	0.333	2.153
	TG	0.910	0.654	0.263	1.827
May 31, 2022	BB	0.669	0.664	0.662	1.995
	BL	0.163	0.280	0.847	1.289
	HP	0.435	0.576	0.737	1.748
	PC	0.306	0.316	0.312	0.934
	PM	0.394	0.423	0.392	1.209
	SJ	1.019	0.694	0.580	2.292
	TG	0.319	0.724	0.334	1.376
June 7, 2022	BB	1.502	0.726	1.197	3.426
	BL	1.019	0.516	0.256	1.791
	HP	0.181	2.384	0.255	2.820
	PC	0.676	0.188	0.338	1.202
	PM	0.394	0.601	0.452	1.447
	SJ	0.906	1.330	0.542	2.779
	TG	0.316	0.778	0.317	1.411
June 23, 2022	BB	0.735	0.347	0.486	1.568
	BL	0.706	2.203	0.230	3.139
	HP	0.549	1.245	0.371	2.165
	PC	1.206	2.218	0.714	4.138
	PM	0.676	0.942	0.673	2.292
	SJ	0.506	1.988	0.604	3.098
	TG	0.531	4.004	0.344	4.879

July 7, 2022	BB	1.057	5.479	0.590	7.126
	BL	0.941	0.363	0.384	1.687
	HP	1.174	3.674	0.562	5.410
	PC	0.658	0.774	0.307	1.739
	PM	0.673	2.439	0.609	3.721
	SJ	0.910	2.322	0.367	3.599
	TG	1.478	0.419	0.501	2.398
July 26, 2022	BB	0.706	5.049	0.222	5.977
	BL	0.326	4.862	0.256	5.444
	HP	1.040	7.253	0.587	8.880
	PC	0.575	0.409	0.400	1.384
	PM	0.326	0.535	0.797	1.659
	SJ	0.560	5.538	0.479	6.577
	TG	0.601	0.559	0.435	1.595
August 9, 2022	BB	0.106	4.803	0.717	5.625
	BL	0.773	1.472	0.430	2.675
	HP	0.531	4.278	0.705	5.513
	PC	0.385	0.422	0.356	1.163
	PM	0.824	0.438	0.476	1.738
	SJ	0.773	0.290	0.422	1.484
	TG	0.873	0.698	0.299	1.870
August 29, 2022	BB	0.007	3.520	0.728	4.255
	BL	0.056	1.258	0.469	1.782
	HP	0.040	2.266	0.344	2.650
	PC	0.306	2.178	0.416	2.900
	PM	0.306	1.075	0.456	1.837
	SJ	0.000	0.634	0.343	0.977
	TG	0.268	1.693	0.238	2.199
September 12, 2022	BB	0.000	0.082	0.685	0.767
	BL	0.151	0.072	0.899	1.122
	HP	0.240	0.016	0.206	0.462
	PC	0.181	3.431	0.356	3.968
	PM	0.151	0.284	0.230	0.665
	SJ	0.069	0.414	0.632	1.115
	TG	0.050	1.104	0.617	1.771
September 26, 2022	BB	0.319	0.070	0.393	0.781
	BL	0.000	3.982	0.244	4.226
	HP	0.202	0.302	0.593	1.096
	PC	0.340	3.655	0.663	4.657

	PM	0.000	0.188	0.421	0.608
	SJ	0.102	1.628	1.023	2.753
	TG	0.122	0.226	0.754	1.103
October 14, 2022	BB	0.173	1.040	0.313	1.525
	BL	0.319	3.653	0.589	4.561
	HP	0.531	0.333	0.419	1.283
	PC	0.000	0.170	0.642	0.812
	PM	0.085	0.508	0.940	1.533
	SJ	0.073	0.199	0.463	0.735
	TG	0.000	0.567	0.357	0.923
October 27, 2022	BB	0.673	0.313	0.660	1.646
	BL	0.385	0.592	0.504	1.480
	HP	0.297	0.114	0.299	0.710
	PC	0.264	0.579	0.371	1.214
	PM	0.472	0.651	0.481	1.605
	SJ	0.356	0.393	0.274	1.023
	TG	0.472	0.508	0.386	1.366