

ELECTRONIC SUPPLEMENTARY INFORMATION

Reproductive phenology of the eastern oyster, *Crassostrea virginica* (Gmelin, 1791), along a temperate estuarine salinity gradient

Estuaries and Coasts

Kaili M. Gregory^{1, 2}

Dr. Katherine McFarland^{1, 3}

Dr. Matthew P. Hare¹

¹*Department of Natural Resources & the Environment, Cornell University, Ithaca, NY;*

²*Department of Wildlife Ecology and Conservation, University of Florida, Gainesville, FL;*

³*NOAA Fisheries NEFSC, Milford Laboratory, Milford, CT*

Corresponding Author: Dr. Matthew Hare, mph75@cornell.edu, (607)255-5685

Submission Date: 30 May 2022

Table S1. Lengths of oysters sampled for histology by sex (female, male, average length (mm) $\pm$ S.E). Locations are listed in order by latitude, from north to south. Locality abbreviations explained in Fig. 1 legend and in the text. ‘-’ indicates no sampling at a given time and location, ‘N/A’ represents loss of electronic data, and ‘0’ indicates that there were no individuals of a certain sex in that sample.

Location	Line	June 2018	July 2018	August 2018	July/August 2019	September 2019
IRV	Native	-	-	-	69.0 $\pm$ 4.5: 66.4 $\pm$ 4.9	71.2 $\pm$ 4.4, 64.6 $\pm$ 4.8
HH	Aquaculture	36.7 $\pm$ 1.8, 32.9 $\pm$ 2.2	45.2 $\pm$ 3.8, 41.0 $\pm$ 2.3	51.4 $\pm$ 4.2, 49.0 $\pm$ 2.5	-	-
	Hatchery	53.3 $\pm$ 3.8, 46.5 $\pm$ 1.8	35.6 $\pm$ 2.7, 34.6 $\pm$ 2.4	N/A	-	-
	Native	34.7 $\pm$ 4.5, 36.6 $\pm$ 1.3	42.8 $\pm$ 3.8, 38.7 $\pm$ 3.1	N/A	63.9 $\pm$ 3.4, 62.6 $\pm$ 5.1	71.2 $\pm$ 4.4, 64.6 $\pm$ 4.8
SB	Aquaculture	63.0 $\pm$ 7.4, 55.9 $\pm$ 4.8	45.8 $\pm$ 3.0, 45.5 $\pm$ 1.6	53.7 $\pm$ 5.6, 51.6 $\pm$ 4.1	-	-
	Hatchery	52.7 $\pm$ 3.4, 49.1 $\pm$ 2.7	56.0 $\pm$ 6.4, 59.0 $\pm$ 5.6	74.0 $\pm$ 3.6, 61.5 $\pm$ 2.1	-	-
	Native	42.0 $\pm$ 0.0, 38.2 $\pm$ 2.3	49.7 $\pm$ 3.2, 42.0 $\pm$ 2.1	47.1 $\pm$ 3.1, 52.0 $\pm$ 2.4	-	-
RED	Aquaculture	70.5 $\pm$ 17.5: 60.5 $\pm$ 6.2	64.0 $\pm$ 0, 45.6 $\pm$ 4.2	72.0 $\pm$ 8.0, 57.8 $\pm$ 3.6	-	-
	Hatchery	-	-	-	-	-
	Native	-	-	45.0 $\pm$ 0, 48.2 $\pm$ 2.6	-	-
PGB	Aquaculture	94.5 $\pm$ 1.5, 68.5 $\pm$ 4.3	55.2 $\pm$ 3.0, 59.4 $\pm$ 2.9	0, 52.7 $\pm$ 2.7	0, 95.0 $\pm$ 2.4	0, 91.3 $\pm$ 2.7
	Hatchery	-	65.3 $\pm$ 3.1, 57.8 $\pm$ 3.0	48.2 $\pm$ 5.0, 58.3 $\pm$ 3.2	-	-
	Native	49.2 $\pm$ 3.0, 44.6 $\pm$ 1.7	45.5 $\pm$ 3.5, 43.7 $\pm$ 1.7	45.8 $\pm$ 3.1, 52.8 $\pm$ 3.0	67.1 $\pm$ 4.7, 68.6 $\pm$ 3.2	81.5 $\pm$ 8.2, 68.3 $\pm$ 2.6
KCC	Aquaculture	-	-	-	91.5 $\pm$ 8.0, 85.7 $\pm$ 3.4	91.0 $\pm$ 5.8, 82.5 $\pm$ 3.7
	Native	-	-	-	73.1 $\pm$ 5.6, 70.6 $\pm$ 4.6	86.5 $\pm$ 4.4, 76.9 $\pm$ 2.7