

Appendix S4 – Horseshoe crab spawning dynamics

Tucker, A.M., C.P. McGowan, M.J. Catalano, A. DeRose-Wilson, R.A. Robinson, and J. Zimmerman. 2019. Foraging ecology mediates response to ecological mismatch during migratory stopover. *Ecosphere*.

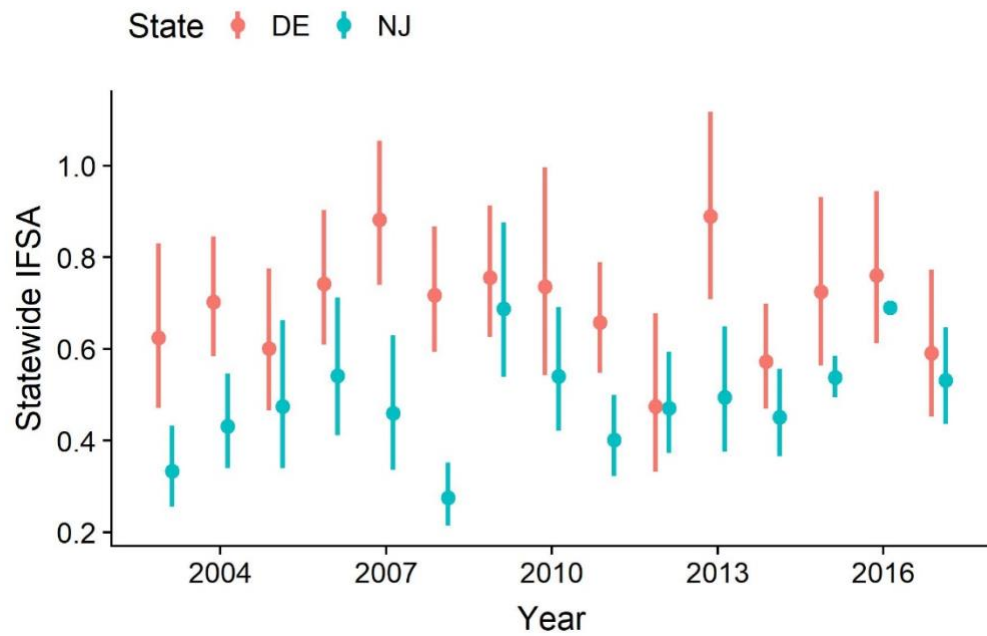


Figure S1. Index of overall horseshoe crab spawning abundance from 2003-2017 for each state. Spawning abundance in New Jersey was consistently less than or equal to spawning in Delaware. Only data from Delaware was included in this analysis.

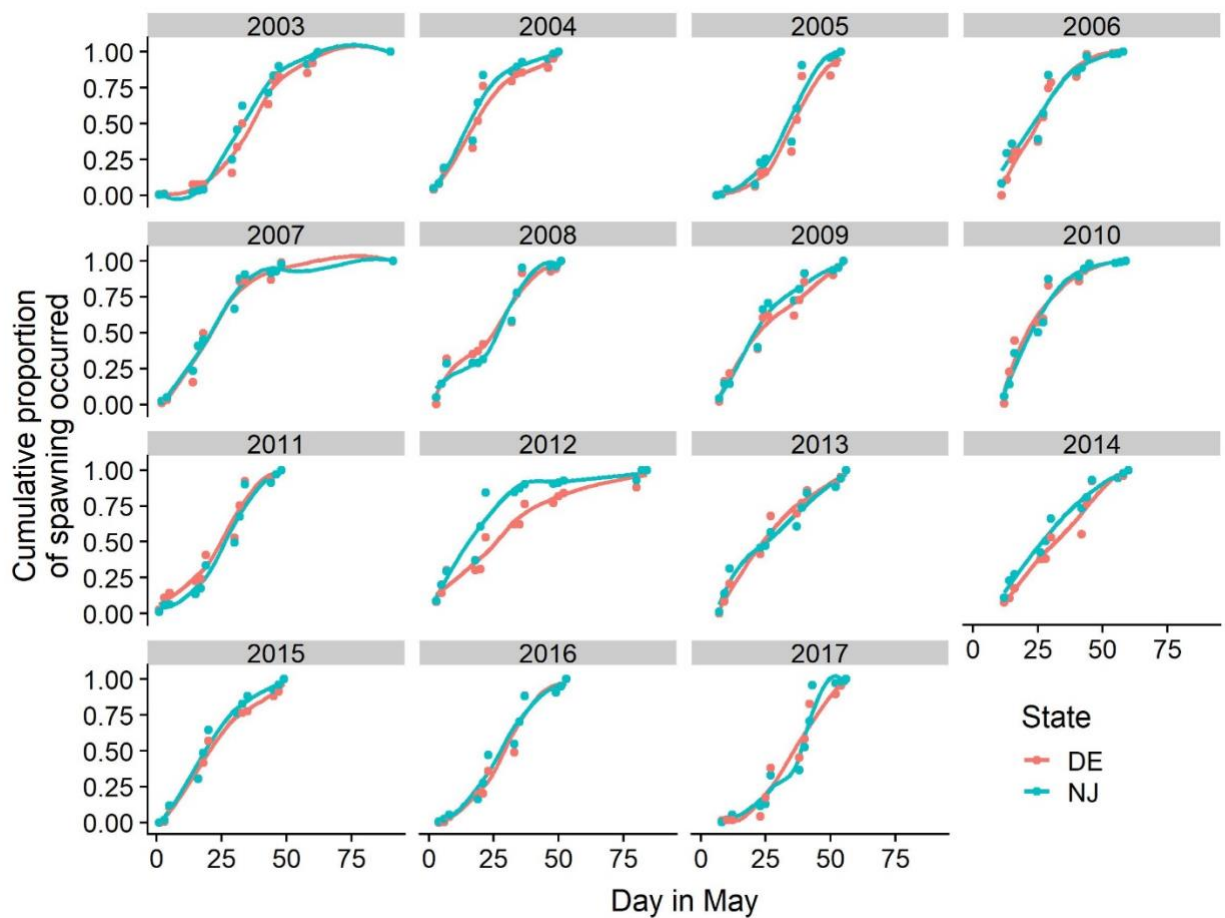


Figure S2. Cumulative proportion of spawn occurred over the course of the season from 2003-2017 for each state. Timing of spawning was consistent between states.

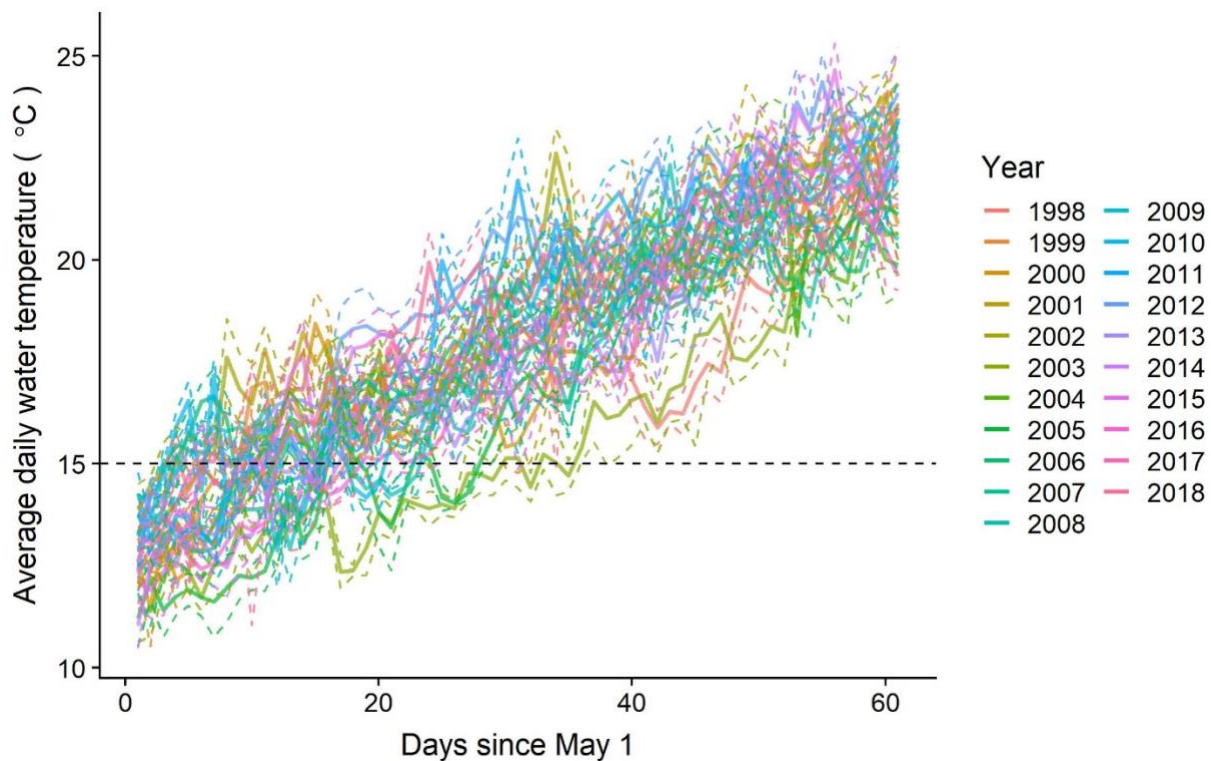


Figure S3. Average daily water temperatures in Delaware from 1998-2018. Water temperature data were obtained from a NOAA offshore weather station in Lewes, DE (Station ID 8557380). Solid lines are daily averages and dashed lines are ± 1 standard deviation.