

Supplementary Material

Recommended citation:

Hallidayschult TC, Beyer JE, Hambright KD (2021) Spatial variation in propagule pressure and establishment of zebra mussels (*Dreissena polymorpha*) within a subtropical reservoir. *Aquatic Invasions* 16(1): 94–112, <https://doi.org/10.3391/ai.2021.16.1.07>

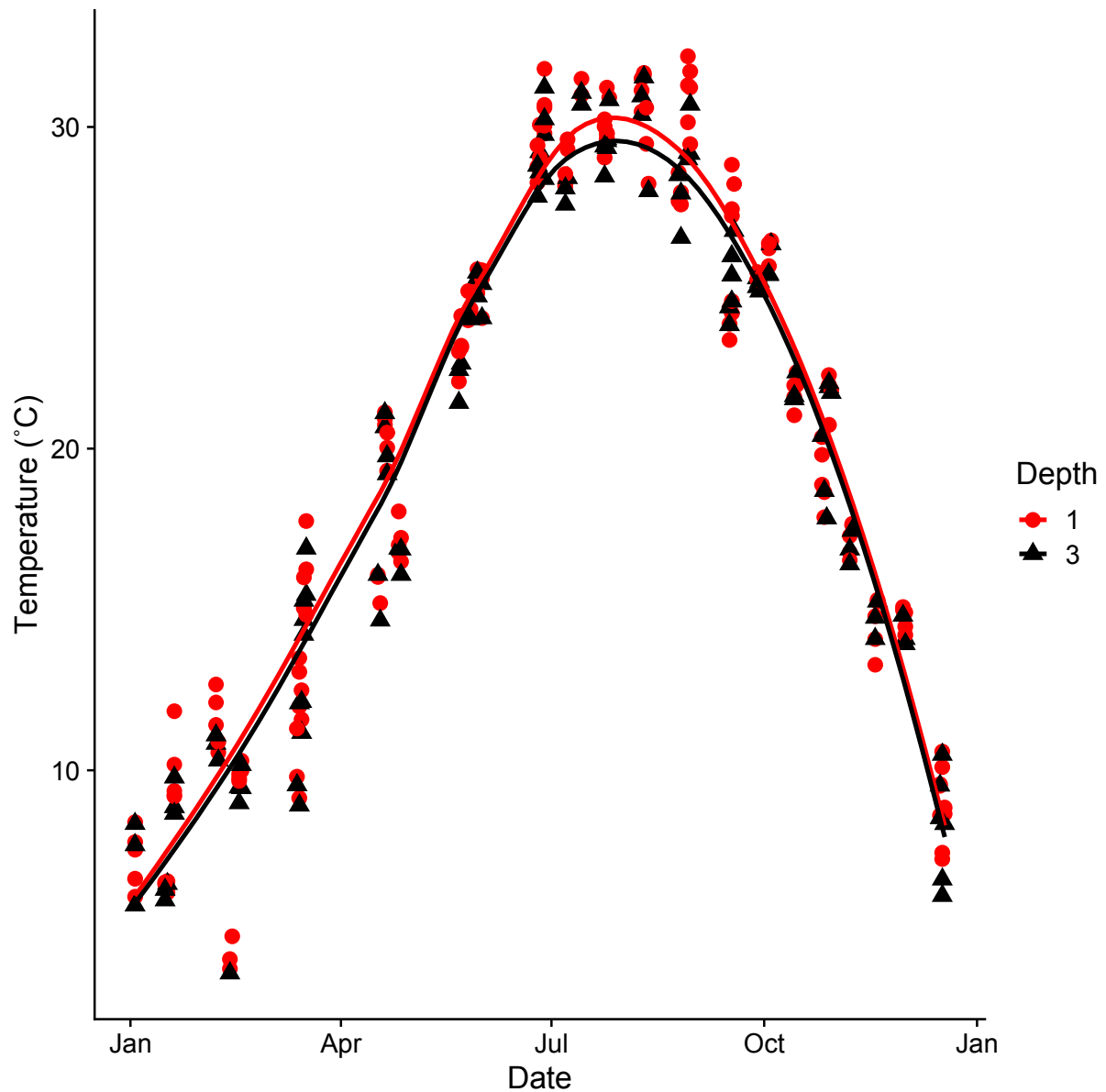


Figure S1: Water temperatures at 1 and 3 meters throughout the annual cycle (August 2011-October 2015). Red circles represent values recorded at 1 meter, black triangles represent values recorded at 3 meters. Solid lines represent loess curves fitted to depth-stratified data.

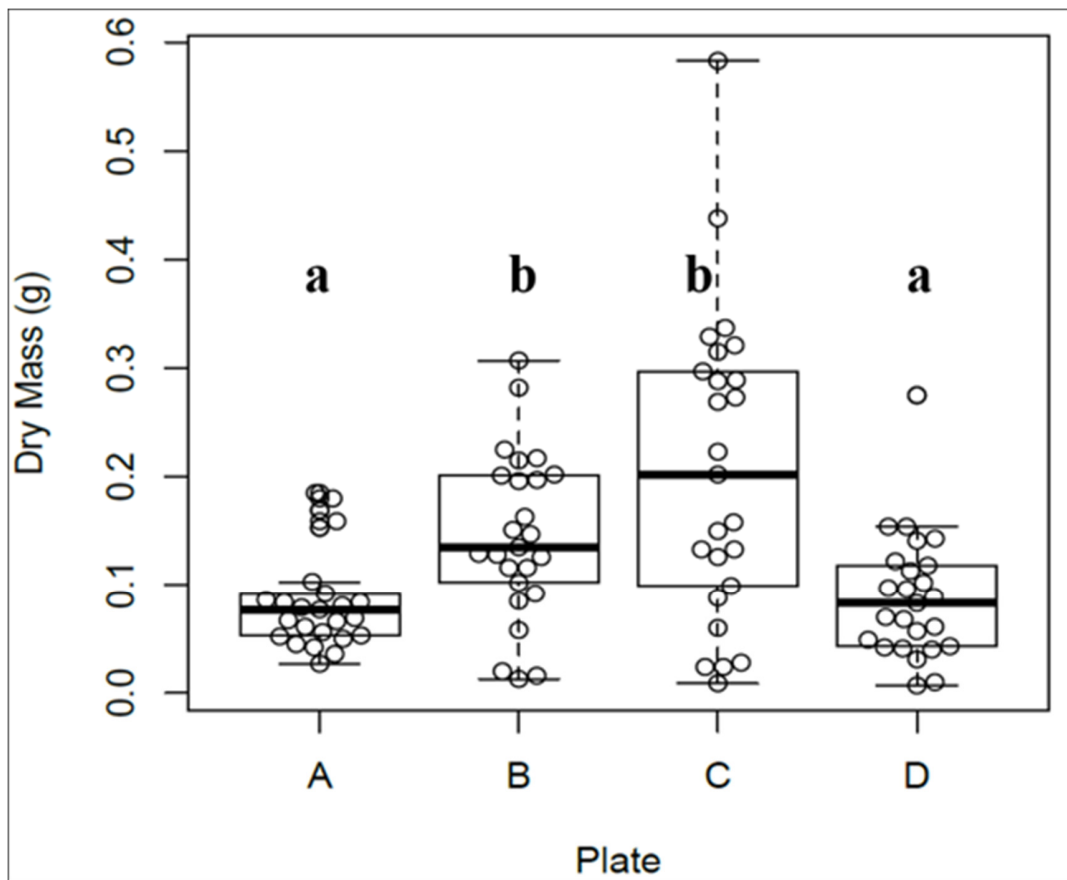


Figure S2: Results of the sediment mass analysis by plate, showing the the dry mass for each of the 100 samples, grouped by plate area (A, B, C, and D). Lower case letters denote the plate areas which are significantly different from one another, with plates A and D being similar to one another but different from B and C, while B and C are similar to one another but different from A and D. Whiskers are 1.5 times the upper or lower inter-quartile range, and open circles indicate individual samples.

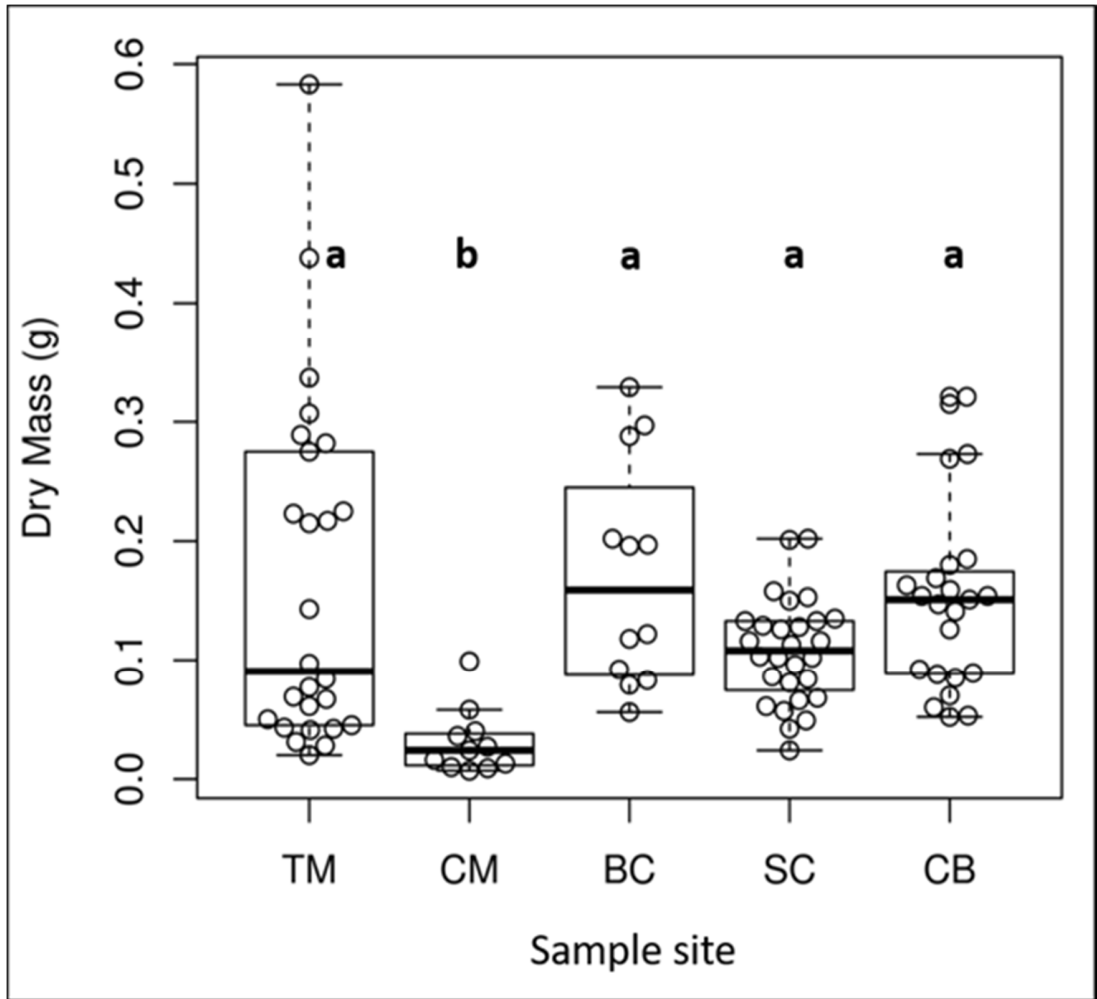


Figure S3: Results of the sediment mass analysis by sampling site, showing the the dry mass for each of the 100 samples, where TM is Texoma Marina (Red River arm), CM is Cedar Mills (Red River arm), BC is Buncombe Creek (Red River arm), SC is Soldier Creek (Washita River arm), and CB is Catfish Bay (Washita River arm). Lowercase letters denote the statistical differences between sites. Cedar Mills had significantly lower sample mass than the other sites. Whiskers are 1.5 times the upper or lower inter-quartile range, and open circles indicate individual samples.

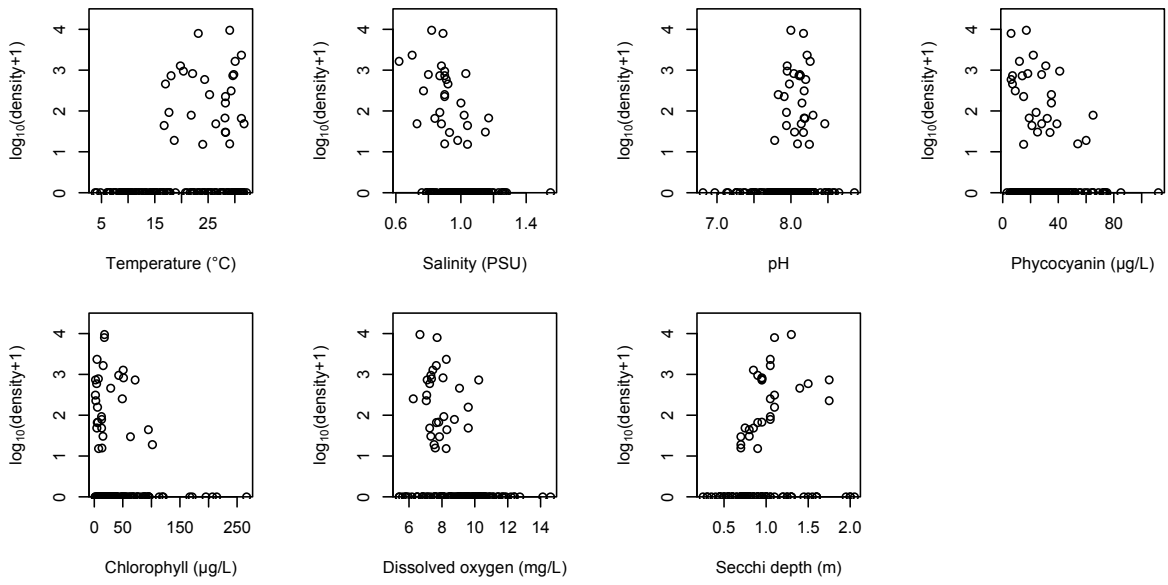


Figure S4: Plot of density of veligers per cubic meter against environmental predictors included in model. Zebra mussel veliger densities are $\log_{10}(x+1)$ transformed for clarity.

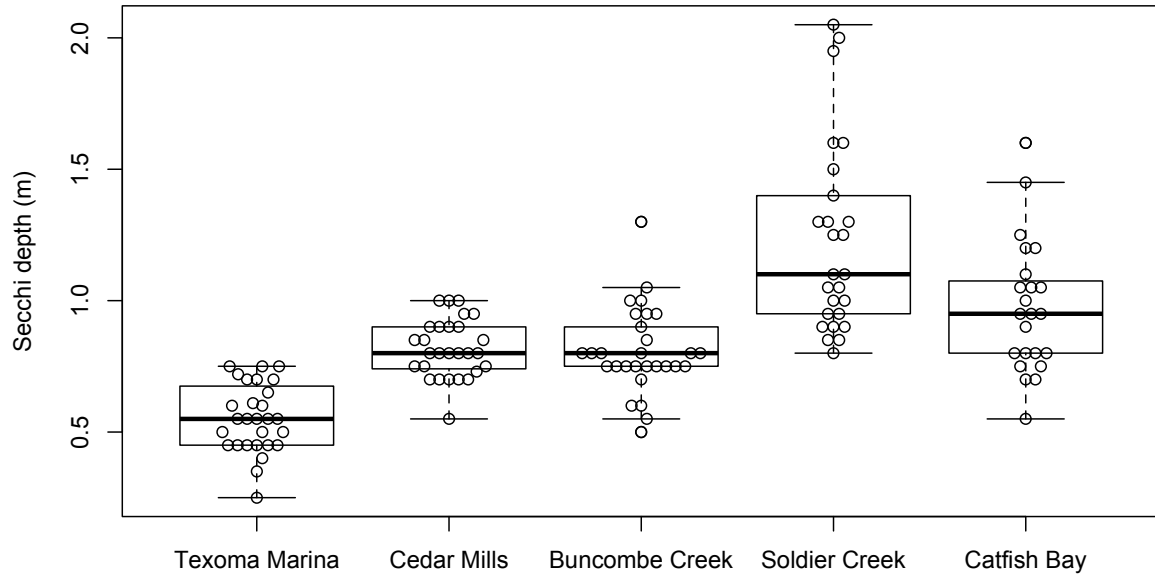


Figure S5: Plot of Secchi depth by site. Box and whisker plots for each site indicating the median (center thick line), first and third quartiles (top and bottom of box), and range (bracketed end of lines). Circles indicate Secchi depth measurements from all dates and sites coinciding with veliger sampling (2011-2015).