

Impact of Eastern oyster *Crassostrea virginica* biodeposit resuspension on the seston, nutrient, phytoplankton and zooplankton dynamics: a mesocosm experiment

Elka T. Porter*, Heather Franz, Richard Lacouture

*Corresponding author: eporter@ubalt.edu

Marine Ecology Progress Series 586: 21–40 (2018)

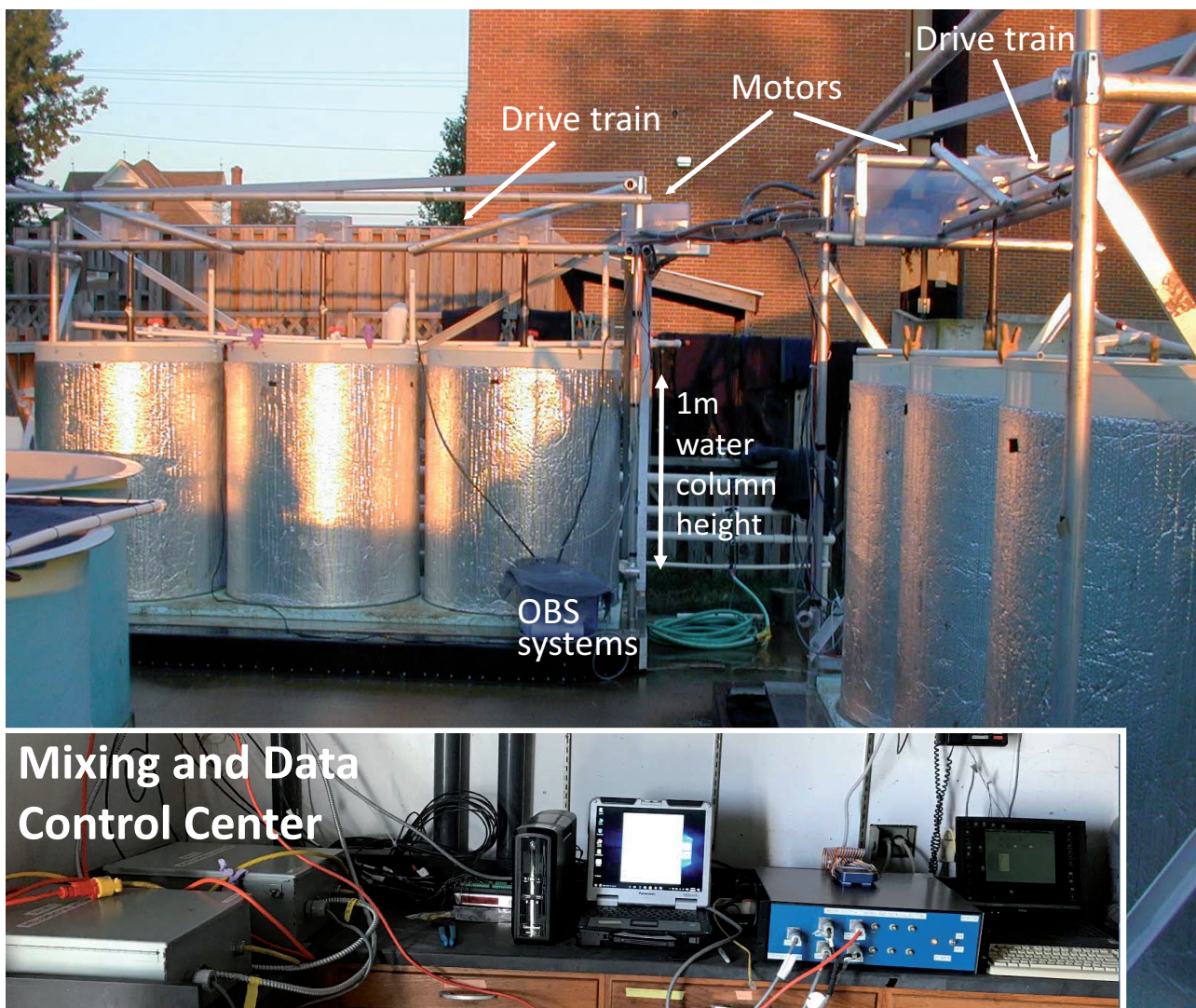


Fig. S1. STURM facility.

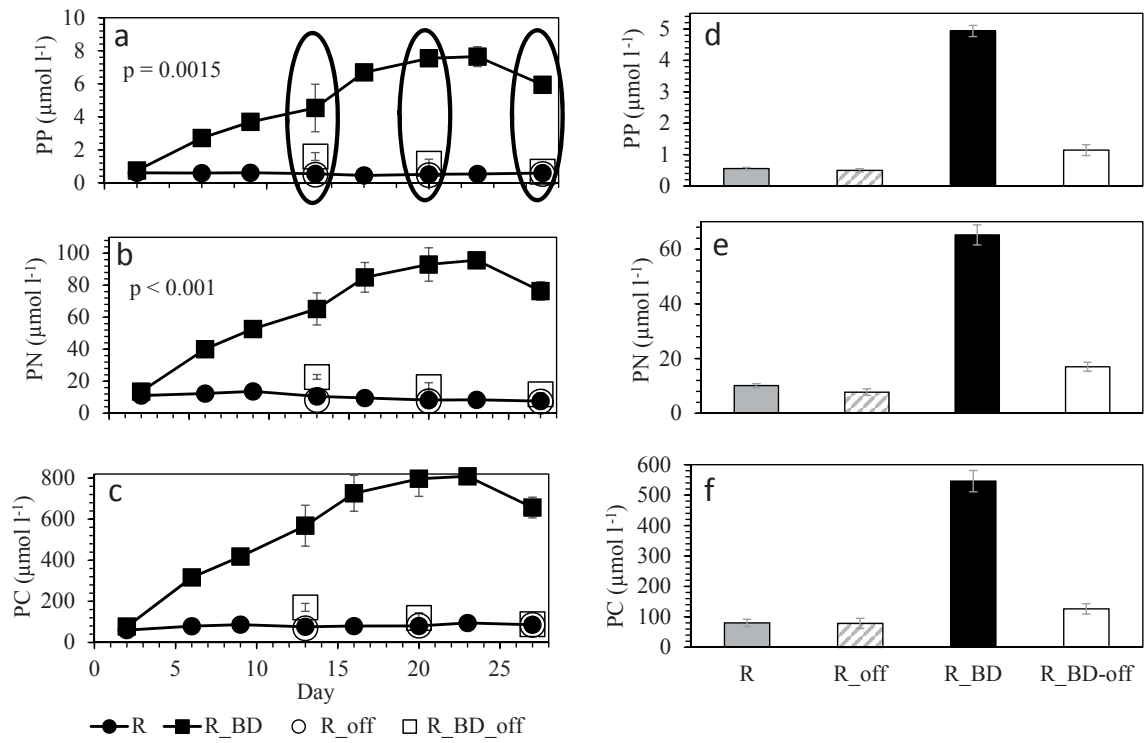


Fig. S2. Left panels: time series of 3 variables; right panels: data from R and R_{BD} tanks for mixing 'on' and mixing 'off' phases averaged for three days, as indicated by ellipses in panel (a). Particulate phosphorus (PP), (b) particulate nitrogen (PN), (c) particulate carbon (PC) over the experiment. (d) PP, (e) PN, (f) PC during mixing 'on' and mixing 'off' phases. Means and SD (n = 3)

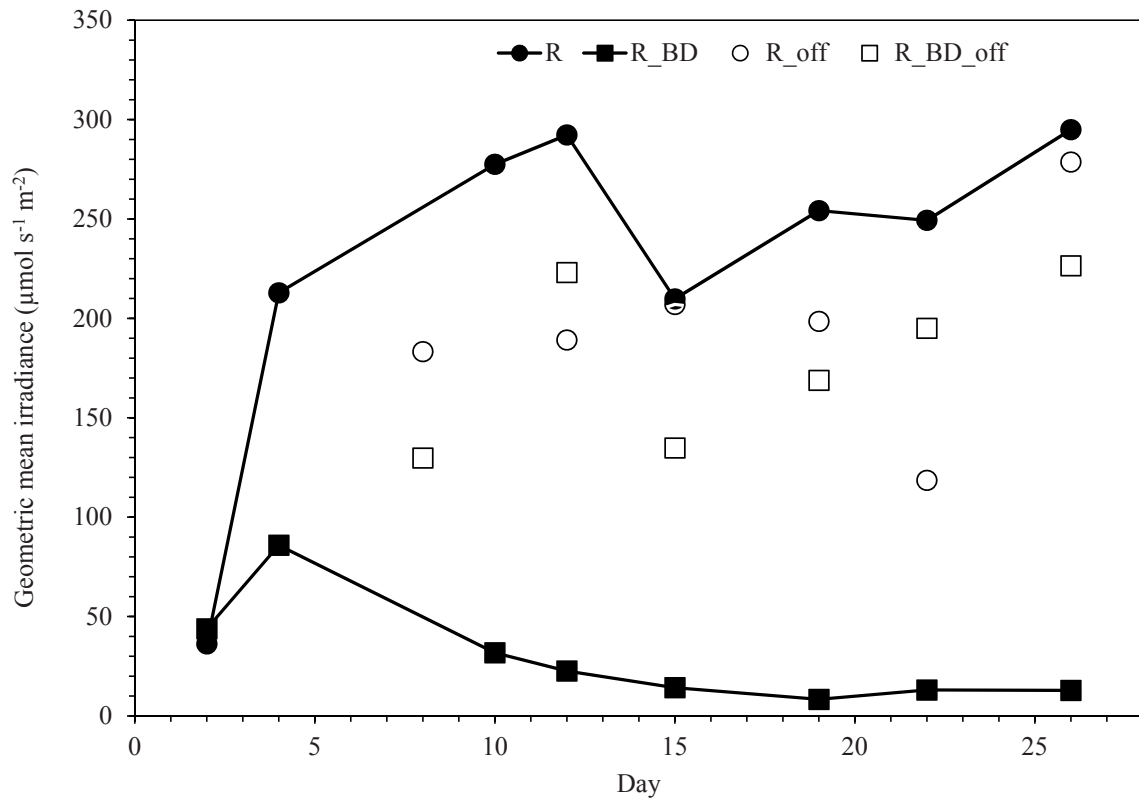


Fig. S3. Geometric mean irradiance during the mixing 'on' and 'off' phases of the experiment.

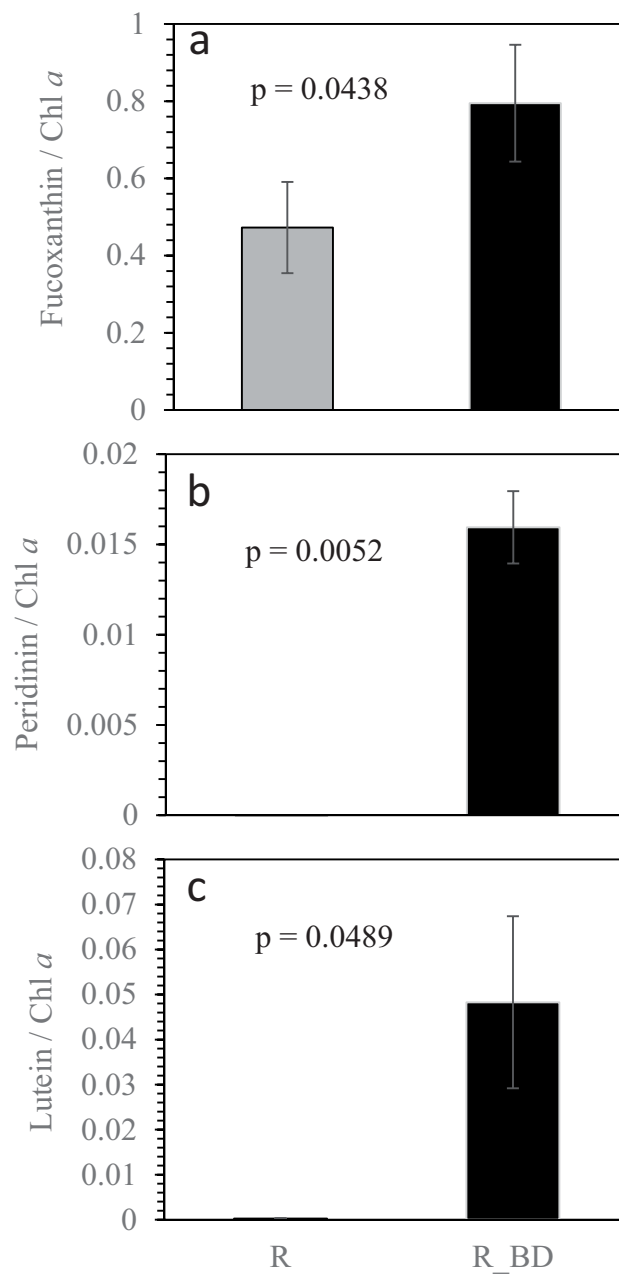


Fig. S4. Ratio of (a) fucoxanthin, (b) peridinin, and (c) lutein to chlorophyll *a* concentration of the microphytobenthos. Means and standard deviations (n=3).