



Figure S1: Reduction in alongshore velocities within Marguerite Reef A) throughout the duration of the study and B) across stipe densities (stipes per square meter) in 2017, once surface canopy was present. Points represent percent velocity reductions (computed from major axis regression slopes) associated with each kelp survey date. Vertical bars indicate their respective standard errors. In panel A) blue points indicate little to no kelp was present (stipe density <0.2) and yellow points indicate appreciable kelp was present (stipe density >0.2). Circles represent data from the 2017 experiment and triangles represent data from the 2019 experiment. In panel B) data are a subset of that shown in Figure 5 and the yellow-to-brown color gradient indicates kelp size (number of stipes per individual) for a given stipe density.