

## Effect of marine protected areas (MPAs) on consumer diet: MPA fish feed higher in the food chain

Claire Dell, Joseph P. Montoya, Mark E. Hay\*

\*Corresponding author: mark.hay@biology.gatech.edu

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### Supplement.

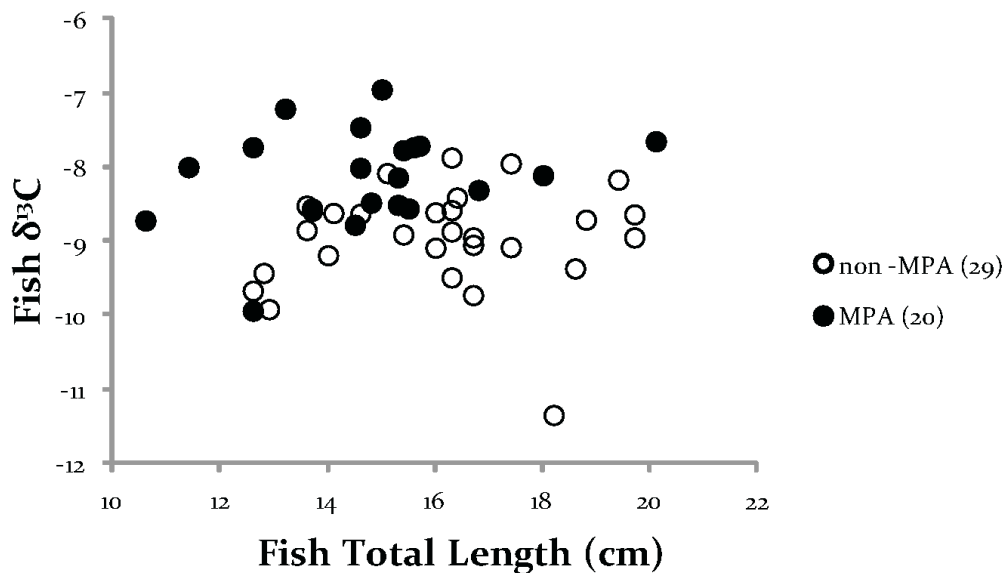


Figure S1: Plot of fish  $\delta^{13}\text{C}$  against total length for all sites

For the entire dataset, regression of fish total length with  $\delta^{13}\text{C}$  as the dependent variable, yielded a Beta coefficient of -0.033 ( $r^2 = 0.001$ ;  $p = 0.823$ ). When divided by protection status, the Beta coefficient of  $\delta^{13}\text{C}$  against fish total length was 0.262 ( $r^2 = 0.069$ ;  $p = 0.264$ ) for fish from the MPA. For fish from the non-MPA, the Beta Coefficient was 0.066 ( $r^2 = 0.004$ ;  $p = 0.733$ ).

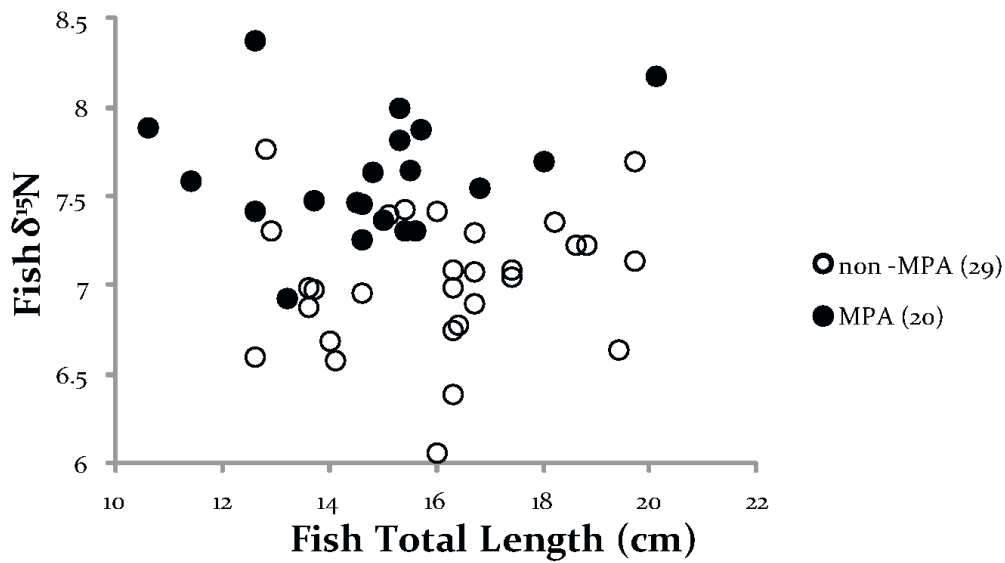


Figure S2: Plot of fish  $\delta^{15}\text{N}$  against total length for all sites

When all data were pooled, regression of fish total length with  $\delta^{15}\text{N}$  yielded a Beta coefficient of -0.072 ( $r^2 = 0.005$ ;  $p = 0.622$ ). When the data were split by protection status, the Beta coefficients with  $\delta^{15}\text{N}$  against total length were 0.164 ( $r^2 = 0.027$ ;  $p = 0.489$ ) for fish from the MPA and 0.140 ( $r^2 = 0.020$ ;  $p = 0.470$ ) for fish from the non-MPA.