

Table S7. Estimates of the effect of herbivores, chlorophyll-*a* and/or their interaction on benthic taxonomic groups from the best candidate models (see Table S6). All predictor are random variables and models were estimated using ordinary least squares. However, if residuals exhibited spatial autocorrelation, relationships were estimated using spatial simultaneous autoregressive linear models (indicated by *)

Dependent Variable	Predictor Variable	Coefficient	S.E.	p-value
Coral	Model 1			
	Herbivores	-0.22	0.11	0.065
	Chla	-1.15	1.06	0.287
	Constant	0.64	0.23	0.008
CCA	Model 1*			
	Herbivores	0.27	0.10	0.009
	Constant	0.16	0.06	0.012
	Model 2*			
	Herbivores	1.03	0.44	0.019
	Herbivores*Chla	-3.91	2.23	0.080
	Constant	0.15	0.06	0.010
Turf	Model 1*			
	Herbivores	-0.82	0.52	0.117
	Herbivores*Chla	4.64	2.62	0.077
	Constant	0.21	0.07	0.002
	Model 2*			
	Herbivores	0.09	0.11	0.424
	Constant	0.20	0.07	0.007
Macroalgae	Model 1			
	Herbivores	1.31	0.37	0.001
	Chla	4.85	0.94	0.000
	Herbivores*Chla	-6.97	1.88	0.001
	Constant	-0.83	0.19	0.000