

The following supplement accompanies the article

Marine reserves and seascape context shape fish assemblages in seagrass ecosystems

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Table S1. Univariate PERMANOVA results showing differences in the abundance of other key harvested fish species among seagrass meadows at different distances to the ocean in Moreton Bay. Bold text indicates significant differences ($P < 0.05$).

Source	<i>Lutjanus russelli</i>		<i>Sillago cilliata</i>		<i>Gnathanodon speciosus</i>		<i>Scomberomorus queenslandicus</i>		<i>Seriola lalandi</i>		
	<i>df</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>
Protection (P)	1	0.109	0.766	0.090	0.782	0	0.989	2.097	0.046	0.064	0.809
Distance to ocean (D)	1	0.442	0.532	0.849	0.356	0.992	0.33	12.598	0.001	3.218	0.094
Season (S)	2	1.518	0.284	1.912	0.183	0.684	0.581	1.909	0.029	0.028	0.976
P x D	1	0.364	0.562	0.295	0.607	0.185	0.694	0.806	0.595	0.000	0.978
P x S	2	0.109	0.916	0.351	0.714	2.124	0.147	0.820	0.658	0.078	0.94
D x S	2	0.443	0.586	1.162	0.348	0.301	0.732	1.452	0.119	0.285	0.745
P x D x S	2	0.364	0.666	0.319	0.722	0.745	0.476	0.931	0.549	0.432	0.652

Table S2. The average MaxN of each species at each site for the harvested fish assemblage.

Species	Fished		Reserve	
	Average	Standard Error	Average	Standard Error
<i>Lethrinus</i> spp.	49.47	8.21	31.27	9.85
<i>Sillago Cilliata</i>	7.27	1.54	9.73	2.28
<i>Acanthopagrus australis</i>	25.2	11.91	18.2	7.75
<i>Belone belone</i>	3.07	2.32	0.53	0.38
<i>Platycephalus fuscus</i>	0.87	0.41	0.4	0.16
<i>Pseudorhombus jenynsii</i>	0.13	0.09	0.07	0.07
<i>Siganus fuscescens</i>	26.67	12.98	45.53	12.96
<i>Seriola nigrofasciata</i>	1.4	0.75	0	0
<i>Mugil cephalus</i>	0.53	0.53	0	0
<i>Choerodon</i> spp.	1.53	0.49	0.6	0.35
<i>Pomatomus saltatrix</i>	0.33	0.16	0	0
<i>Scomberomorus queenslandicus</i>	1	0.51	0.93	0.43
<i>Pagrus aurata</i>	1.33	0.6	3.6	1.49
<i>Lutjanus russellii</i>	0.07	0.07	0.13	0.13
<i>Gnathanodon speciosus</i>	0.53	0.41	0.87	0.87
<i>Rachycentron canadum</i>	0	0	0.13	0.09
<i>Seriola lalandi</i>	0.07	0.07	0.6	0.53
<i>Carangoides fulvoguttatus</i>	0	0	0.13	0.09
<i>Carangidae</i> spp.	0.07	0.07	0	0
<i>Trachinotus coppingeri</i>	0.93	0.8	0.07	0.07
<i>Sphyraena obtusata</i>	11.47	2.83	7.53	2.27
<i>Aptychotrema rostrata</i>	0.6	0.16	1.47	0.55