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Supplementary Material

Size-selective predation by three estuarine zooplanktivorous fish species

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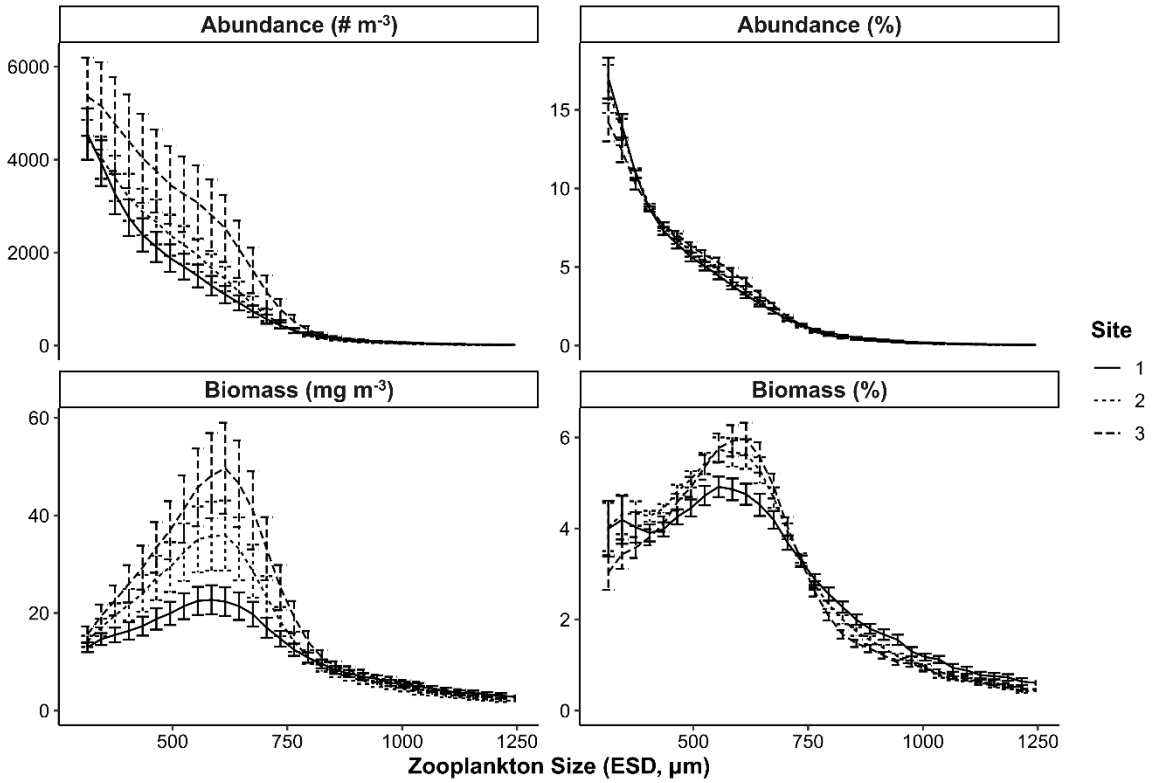

Fig S1. Zooplankton size structure at the three sampled sites in the lower Sydney Harbour during our study. Error bars show 1 standard error.

Table S1. Summary of the prey selectivity for all three species combined and individually.

Species	Size class (µm ESD)	Mean observed percentage in diet	SE of observed percentage	Mean expected proportion based upon abundance	PE	Mean expected proportion based upon biomass	PE
A. strigatus	315	0.882	0.447	15.910	0.055	4.089	0.216
	345	1.146	0.418	13.417	0.085	4.365	0.263
	375	3.418	0.903	10.776	0.317	4.315	0.792
	405	3.142	0.813	8.840	0.355	4.393	0.715
	435	5.074	1.176	7.523	0.674	4.603	1.102
	465	5.482	1.064	6.825	0.803	5.015	1.093
	495	11.145	1.704	5.967	1.868	5.304	2.101
	525	10.200	1.854	5.369	1.900	5.664	1.801
	555	9.208	1.428	4.877	1.888	6.060	1.519
	585	6.938	0.918	4.158	1.669	6.003	1.156
	615	12.063	1.302	3.572	3.377	5.999	2.011
	645	7.631	1.303	2.983	2.558	5.605	1.361
	675	7.234	1.271	2.325	3.111	5.049	1.433
	705	4.784	1.212	1.840	2.600	4.269	1.121
	735	2.669	1.023	1.516	1.761	3.612	0.739
	765	2.321	0.671	1.294	1.794	3.022	0.768
	795	2.117	0.843	1.106	1.914	2.570	0.824
	825	1.294	0.715	1.014	1.276	2.272	0.570
	855	0.978	0.390	0.938	1.043	2.004	0.488
	885	0.278	0.171	0.872	0.319	1.885	0.147
	915	0.741	0.393	0.836	0.886	1.740	0.426
	945	0.292	0.174	0.811	0.360	1.579	0.185
	975	0.096	0.054	0.803	0.120	1.479	0.065
	1005	0.043	0.043	0.754	0.057	1.400	0.031
	1035	0.000	0.000	0.758	0.000	1.303	0.000
	1065	0.043	0.043	0.755	0.057	1.193	0.036
	1095	0.500	0.271	0.740	0.676	1.196	0.418
	1125	0.000	0.000	0.716	0.000	1.108	0.000
	1155	0.090	0.052	0.731	0.123	1.091	0.082
	1185	0.000	0.000	0.710	0.000	1.044	0.000
S. lineolata	315	1.800	1.510	15.747	0.114	4.681	0.385
	345	1.152	0.350	13.315	0.087	5.026	0.229
	375	2.559	0.728	10.835	0.236	5.007	0.511
	405	3.713	0.783	8.867	0.419	5.011	0.741
	435	5.954	1.377	7.770	0.766	5.238	1.137
	465	7.719	1.521	7.211	1.070	5.399	1.430
	495	10.109	1.308	6.463	1.564	5.811	1.740
	525	8.694	1.529	5.830	1.491	6.003	1.448
	555	10.570	1.886	5.464	1.934	6.424	1.645
	585	14.412	4.243	4.776	3.018	6.411	2.248
	615	8.544	1.384	4.388	1.947	6.343	1.347

Species	Size class (µm ESD)	Mean observed percentage in diet	SE of observed percentage	Mean expected proportion based upon abundance	PE	Mean expected proportion based upon biomass	PE
	645	6.075	1.466	3.928	1.547	6.016	1.010
	675	4.892	1.308	3.353	1.459	5.613	0.872
	705	2.759	0.848	3.158	0.874	5.038	0.548
	735	2.166	0.578	2.865	0.756	4.453	0.486
	765	1.157	0.508	2.700	0.429	3.998	0.289
	795	0.972	0.425	2.509	0.387	3.675	0.264
	825	0.478	0.238	2.440	0.196	3.432	0.139
	855	1.484	0.673	2.445	0.607	3.247	0.457
	885	0.285	0.285	2.360	0.121	3.178	0.090
	915	0.294	0.171	2.350	0.125	2.951	0.100
	945	0.198	0.198	2.254	0.088	2.881	0.069
	975	1.027	0.716	2.299	0.447	2.868	0.358
	1005	0.000	0.000	2.265	0.000	2.830	0.000
	1035	0.279	0.210	2.236	0.125	2.816	0.099
	1065	0.221	0.154	2.195	0.101	2.604	0.085
	1095	0.267	0.267	2.199	0.121	2.607	0.102
	1125	0.189	0.189	2.242	0.084	2.587	0.073
	1155	0.000	0.000	2.174	0.000	2.481	0.000
	1185	0.336	0.273	2.174	0.155	2.523	0.133
T. novaezelandiae	315	2.728	0.945	15.760	0.173	5.856	0.466
	345	3.900	1.339	13.580	0.287	6.139	0.635
	375	4.708	1.111	11.349	0.415	6.091	0.773
	405	7.964	1.948	9.644	0.826	6.172	1.290
	435	11.546	1.750	8.527	1.354	6.314	1.829
	465	10.429	1.901	8.202	1.272	6.722	1.551
	495	13.161	4.183	7.387	1.782	6.717	1.959
	525	6.458	1.309	7.036	0.918	7.188	0.898
	555	11.457	4.409	6.673	1.717	7.403	1.548
	585	5.422	1.077	6.013	0.902	7.364	0.736
	615	8.900	4.435	5.805	1.533	7.360	1.209
	645	3.511	0.946	5.308	0.661	7.084	0.496
	675	3.233	1.040	4.839	0.668	6.713	0.482
	705	1.549	0.742	4.556	0.340	6.272	0.247
	735	1.848	0.716	4.310	0.429	5.744	0.322
	765	0.435	0.302	4.179	0.104	5.317	0.082
	795	1.482	0.613	4.018	0.369	5.075	0.292
	825	0.000	0.000	4.030	0.000	4.861	0.000
	855	0.000	0.000	3.854	0.000	4.755	0.000
	885	0.106	0.106	3.896	0.027	4.630	0.023
	915	0.093	0.093	3.868	0.024	4.384	0.021
	945	0.000	0.000	3.736	0.000	4.450	0.000
	975	0.000	0.000	3.897	0.000	4.399	0.000

Species	Size class (µm ESD)	Mean observed percentage in diet	SE of observed percentage	Mean expected proportion based upon abundance	PE	Mean expected proportion based upon biomass	PE
	1005	0.000	0.000	3.825	0.000	4.308	0.000
	1035	0.000	0.000	3.762	0.000	4.333	0.000
	1065	0.000	0.000	3.760	0.000	4.085	0.000
	1095	0.000	0.000	3.704	0.000	3.995	0.000
	1125	0.099	0.099	3.704	0.027	4.159	0.024
	1155	0.000	0.000	3.704	0.000	4.110	0.000
	1185	0.099	0.099	3.704	0.027	3.996	0.025