

Appendix 2. List of 525 taxa in the bycatch of the north Queensland tiger/endeavour prawn trawl fishery based on bycatch sub-samples from 418 individual net trawls from the research charter and opportunistically sampling the fleet between February 2001 and November 2002. Mean catch rates are in grams and numbers per hectare, mean lengths (mm) are fork length or standard length for fish, carapace length for crustaceans, disc width or length for elasmobranchs, total length for echinoderms, and shell length for molluscs. Includes small or undersized principal target and permitted species. Frequency is percentage of occurrence in the 418 net trawls. Standard error in brackets.

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Abalistes stellaris</i>	0.014 (0.014)	0.001 (0.001)	60 (0)	0.2
<i>Absalom radiatus</i>	0.01 (0.008)	0.007 (0.005)	53 (7)	0.5
<i>Acanthocephala limbata</i>	0.016 (0.016)	< 0.001	270 (0)	0.2
<i>Acentrogobius caninus</i>	1.717 (0.447)	0.09 (0.021)	97.66 (3.8)	7.2
<i>Acentrogobius</i> sp.	2.01 (0.485)	0.134 (0.028)	94.03 (4.98)	8.6
<i>Adventor elongatus</i>	0.648 (0.15)	0.051 (0.011)	82.8 (1.83)	9.6
<i>Aesopia cornuta</i>	0.004 (0.004)	0.001 (0.001)	90 (0)	0.2
<i>Alectis ciliaris</i>	0.091 (0.046)	0.021 (0.011)	59.2 (4.29)	1.2
<i>Alectis indicus</i>	0.039 (0.028)	0.006 (0.004)	68.5 (2.5)	0.5
<i>Amblygaster sirm</i>	0.011 (0.011)	0.001 (0.001)	80 (0)	0.2
<i>Amusium pleuronectes</i>	59.985 (5.672)	5.328 (0.472)	50.87 (0.31)	79.4
<i>Anacanthus barbatus</i>	0.181 (0.075)	0.02 (0.006)	150.29 (12.67)	3.3
<i>Anchisomus multistriatus</i>	0.143 (0.085)	0.005 (0.003)	88.67 (9.84)	0.7
<i>Anodontostoma chacunda</i>	0.053 (0.053)	< 0.001	160 (0)	0.2
<i>Antigonia lamellaris</i>	0.011 (0.011)	0.002 (0.002)	24 (0)	0.2
<i>Apistops caloundra</i>	1.657 (0.971)	0.155 (0.094)	92.23 (2.63)	1.4
<i>Apistus carinatus</i>	16.565 (2.156)	1.257 (0.136)	75.09 (1.16)	52.6
<i>Apogon albimaculosus</i>	0.011 (0.006)	0.001 (0.001)	55 (5.4)	1
<i>Apogon brevicaudatus</i>	5.309 (1.568)	0.451 (0.138)	76.69 (1.33)	13.6
<i>Apogon capricornis</i>	0.262 (0.09)	0.118 (0.041)	51.5 (4.22)	2.9
<i>Apogon carinatus</i>	0.212 (0.212)	0.011 (0.011)	110 (0)	0.2
<i>Apogon ellioti</i>	36.976 (3.096)	3.962 (0.323)	67.74 (0.9)	89.2
<i>Apogon fasciatus</i>	104.632 (8.335)	13.828 (1.221)	65.12 (0.59)	89
<i>Apogon melanopus</i>	3.107 (1.312)	0.207 (0.086)	96.48 (4.31)	2.9
<i>Apogon moluccensis</i>	0.021 (0.021)	0.001 (0.001)	90 (0)	0.2
<i>Apogon nigripinnis</i>	0.756 (0.251)	0.082 (0.029)	56.75 (3.39)	6.2
<i>Apogon poecilopterus</i>	58.076 (6.632)	5.508 (0.603)	69.83 (0.87)	86.4
<i>Apogon robustus</i>	2.636 (1.616)	0.431 (0.267)	71.33 (0.31)	1.2
<i>Apogon semilineata</i>	0.417 (0.113)	0.067 (0.017)	61.91 (1.81)	6.2
<i>Apogon septemstriatus</i>	0.698 (0.184)	0.262 (0.06)	42.42 (2.03)	10.5
<i>Archaster typicus</i>	0.002 (0.002)	0.003 (0.003)	34 (0)	0.2
<i>Argyrops spinifer</i>	0.228 (0.212)	0.004 (0.003)	80.63 (23.73)	1
<i>Ariosoma anago</i>	0.04 (0.04)	< 0.001	460 (0)	0.2
<i>Arius thalassinus</i>	3.143 (0.813)	0.141 (0.045)	139.39 (5.18)	5.5
<i>Arnoglossus waitei</i>	0.881 (0.154)	0.122 (0.018)	81.97 (2.02)	16.5
<i>Arothron aerostaticus</i>	0.378 (0.359)	0.004 (0.003)	86.25 (31.25)	0.5
<i>Arothron manillensis</i>	0.212 (0.133)	0.023 (0.014)	63.63 (5.86)	1
<i>Arothron reticularis</i>	0.06 (0.06)	0.003 (0.003)	98 (0)	0.2
<i>Arothron stellatus</i>	1.025 (1.025)	0.005 (0.005)	155 (0)	0.2
<i>Arotrolepis filicauda</i>	0.014 (0.006)	0.009 (0.003)	30 (3.27)	1.9
<i>Aseraggodes macleayanus</i>	0.017 (0.017)	0.001 (0.001)	100 (0)	0.2
<i>Asterorhombus intermedius</i>	0.284 (0.074)	0.02 (0.006)	102.03 (2.41)	3.8
<i>Astropecten</i> sp.	< 0.001	< 0.001	35 (0)	0.2
<i>Astropeten monacanthus</i>	0.006 (0.006)	0.004 (0.004)	46 (0)	0.2

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<i>Atherinomorus ogilbyi</i>	0.271 (0.087)	0.023 (0.007)	87.75 (2.26)	2.9
<i>Boodlea</i> sp.	0.009 (0.006)	0.009 (0.006)	55.5 (21.5)	0.5
<i>Brachypterois serrulatus</i>	0.016 (0.016)	0.001 (0.001)	75 (0)	0.2
<i>Bregmaceros japonicus</i>	0.017 (0.009)	0.01 (0.004)	48.38 (5.05)	1.9
<i>Calappa lophus</i>	0.089 (0.089)	0.002 (0.002)	59 (0)	0.2
<i>Callinectes madagascaninensis</i>	0.029 (0.029)	0.002 (0.002)	42 (0)	0.2
<i>Callionymus belcheri</i>	6.307 (0.703)	0.829 (0.084)	83.96 (1.24)	51
<i>Callionymus filamentosus</i>	0.149 (0.108)	0.013 (0.01)	127 (2)	0.5
<i>Callionymus goodladi</i>	0.947 (0.676)	0.071 (0.049)	150.3 (7.65)	0.7
<i>Callionymus grossi</i>	38.397 (3.223)	2.341 (0.219)	125.29 (1.03)	73.7
<i>Callionymus limiceps</i>	12.425 (2.663)	2.066 (0.455)	106.77 (1.77)	15.1
<i>Callionymus meridionalis</i>	0.276 (0.176)	0.028 (0.013)	114.2 (21.87)	1.2
<i>Callionymus semeiophor</i>	0.007 (0.007)	< 0.001	130 (0)	0.2
<i>Callionymus superbis</i>	0.091 (0.065)	0.007 (0.005)	188 (13)	0.5
<i>Callionymus whitheadi</i>	4.33 (0.938)	0.671 (0.145)	109.95 (2.86)	8.9
<i>Canthigaster bennetti</i>	0.059 (0.059)	0.006 (0.006)	75 (0)	0.2
<i>Canthigaster compressa</i>	0.023 (0.011)	0.005 (0.003)	54.7 (1.89)	1.2
<i>Carangoides caeruleopinnatus</i>	0.008 (0.008)	0.003 (0.003)	55 (0)	0.2
<i>Carangoides chrysophrys</i>	0.498 (0.277)	0.005 (0.002)	148.07 (6.38)	1.2
<i>Carangoides gymnostethus</i>	0.023 (0.023)	< 0.001	180 (0)	0.2
<i>Carangoides hedlandensis</i>	0.401 (0.226)	0.004 (0.002)	144.38 (8.61)	1
<i>Carangoides humerosus</i>	4.035 (1.269)	0.04 (0.009)	149.66 (6.87)	8.9
<i>Carangoides talamparoides</i>	1.093 (0.355)	0.013 (0.004)	136.67 (9.96)	4.3
<i>Caranx bucculentus</i>	1.168 (0.471)	0.035 (0.011)	87.19 (13.38)	3.8
<i>Caranx para</i>	0.104 (0.104)	0.003 (0.003)	131 (0)	0.2
<i>Caranx sexfasciatus</i>	0.448 (0.275)	0.008 (0.005)	122.78 (8.94)	0.7
<i>Carcharhinus melanopterus</i>	0.221 (0.156)	< 0.001		0.5
<i>Carcharhinus tilstoni</i>	0.467 (0.467)	< 0.001	770 (0)	0.2
<i>Carcinoplax</i> sp.	0.003 (0.003)	0.001 (0.001)	13 (0)	0.2
<i>Carinosquilla multicarinata</i>	0.164 (0.074)	0.01 (0.004)	25.4 (1.52)	2.4
<i>Caulastrea</i> sp.	0.008 (0.008)	0.003 (0.003)	18 (0)	0.2
<i>Centriscus scutatus</i>	0.084 (0.016)	0.119 (0.019)	85.71 (2.52)	13.4
<i>Centrogenys vaigiensis</i>	0.48 (0.187)	0.036 (0.014)	76.87 (4.45)	2.4
<i>Cephalopholis pachycentron</i>	0.059 (0.059)	0.003 (0.003)	104 (0)	0.2
<i>Cepola shlegelii</i>	0.168 (0.067)	0.006 (0.003)	285 (31.74)	1.7
<i>Ceratoplax</i> sp.	0.024 (0.024)	0.001 (0.001)	40 (0)	0.2
<i>Ceratosoma</i> sp.	0.021 (0.021)	0.006 (0.006)	53 (0)	0.2
<i>Ceratothoa</i> sp.	0.015 (0.015)	0.012 (0.012)	33.5 (0)	0.2
<i>Chaetodermis penicilligris</i>	1.163 (0.52)	0.028 (0.013)	131.78 (10.67)	1.4
<i>Chaetodontoplus duboulayi</i>	0.102 (0.102)	0.004 (0.004)	96 (0)	0.2
<i>Charybdis bimaculata</i>	0.113 (0.054)	0.013 (0.006)	34.8 (0.64)	1.2
<i>Charybdis cruciata</i>	0.418 (0.265)	0.007 (0.004)	69 (18.22)	1
<i>Charybdis feriatas</i>	0.197 (0.145)	0.002 (0.001)	97 (29)	0.5
<i>Charybdis jaubertensis</i>	0.253 (0.085)	0.016 (0.005)	37.59 (1.16)	4.3
<i>Charybdis miles</i>	0.078 (0.035)	0.007 (0.003)	35.33 (1.28)	1.4
<i>Charybdis natator</i>	0.971 (0.363)	0.018 (0.008)	66.22 (4.33)	2.2
<i>Charybdis truncata</i>	144.688 (15.222)	9.886 (0.933)	37.69 (0.29)	88.3
<i>Charybdis yaldwyni</i>	0.005 (0.005)	0.003 (0.003)	21 (0)	0.2
<i>Cheilopogon pinnatibarbatus</i>	0.182 (0.088)	0.021 (0.006)	68.57 (7.17)	3.6
<i>Cheilopogon suttoni</i>	0.068 (0.04)	0.01 (0.006)	91.67 (3.38)	0.7
<i>Chiloscyllium punctatum</i>	0.644 (0.347)	0.006 (0.003)	307.6 (46.81)	1.2
<i>Chlamys leopardus</i>	2.286 (0.525)	0.16 (0.047)	48.1 (1.67)	9.1
<i>Chlamys</i> sp.	0.942 (0.638)	0.064 (0.044)	46.97 (0.98)	0.7
<i>Choerodon cephalotes</i>	39.427 (6.665)	1.016 (0.189)	122.67 (1.96)	20.1

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<i>Choerodon monostigma</i>	1.983 (0.825)	0.058 (0.021)	115.85 (8.28)	2.6
<i>Choerodon peniciligera</i>	0.043 (0.043)	0.001 (0.001)	125 (0)	0.2
<i>Choerodon rubescens</i>	0.341 (0.341)	0.011 (0.011)	114 (0)	0.2
<i>Choerodon shoeneleini</i>	0.044 (0.044)	0.003 (0.003)	97 (0)	0.2
<i>Choerodon</i> sp. 1	0.151 (0.151)	0.011 (0.011)	88.75 (0)	0.2
<i>Choerodon</i> sp. 2	7.31 (1.697)	0.453 (0.111)	101.83 (2.3)	11
<i>Choerodon sugillatum</i>	1.87 (0.415)	0.066 (0.015)	100.49 (2.03)	6.9
<i>Choerodon venustus</i>	0.065 (0.065)	0.004 (0.004)	102 (0)	0.2
<i>Choerodon zamboangae</i>	0.122 (0.122)	0.006 (0.006)	95.5 (0)	0.2
<i>Cirripathes</i> sp.	0.095 (0.042)	0.072 (0.024)	334.76 (40.21)	3.3
<i>Clibanarius</i> sp.	0.05 (0.023)	0.011 (0.004)	10.73 (1.18)	3.1
<i>Cociella crocodila</i>	0.106 (0.075)	0.012 (0.008)	111.5 (9.5)	0.5
<i>Coradion chrysozonus</i>	0.269 (0.141)	0.024 (0.011)	62.9 (4.77)	1.2
<i>Corbula</i> sp.	0.013 (0.013)	0.003 (0.003)	24 (0)	0.2
<i>Crossorhombus azureus</i>	0.051 (0.037)	0.005 (0.004)	101.5 (13.5)	0.5
<i>Cryptocentrus cinctus</i>	0.068 (0.068)	0.003 (0.003)	140 (0)	0.2
<i>Cryptocentrus</i> sp.	0.007 (0.007)	0.001 (0.001)	80 (0)	0.2
<i>Cryptopodia spatulifrons</i>	0.014 (0.008)	0.01 (0.007)	34.5 (3.67)	0.7
<i>Tenotrypauchen microcephalus</i>	0.004 (0.004)	0.002 (0.002)	65 (0)	0.2
<i>Cuspidaria</i> sp.	0.012 (0.012)	0.003 (0.003)	22 (0)	0.2
<i>Cylichthys orbicularis</i>	2.315 (0.904)	0.035 (0.015)	101.39 (10.23)	2.2
<i>Cymbacephalus bosschei</i>	0.565 (0.565)	0.029 (0.029)	165.5 (0)	0.2
<i>Cymbacephalus nematophthalmus</i>	0.81 (0.291)	0.017 (0.006)	161.36 (12.29)	2.6
<i>Cynoglossus kopsi</i>	0.517 (0.109)	0.036 (0.007)	117.63 (1.71)	7.2
<i>Cypselurus</i> sp.	0.004 (0.004)	0.001 (0.001)	55 (0)	0.2
<i>Cystoseria</i> sp.	0 (0)	0.003 (0.003)	42 (0)	0.2
<i>Dactyloptena macracanthus</i>	0.09 (0.054)	0.01 (0.006)	83 (6.56)	0.7
<i>Dactyloptena papilio</i>	0.332 (0.113)	0.022 (0.007)	86.42 (8.23)	4.3
<i>Dactylopus dactylopus</i>	16.21 (2.605)	0.995 (0.162)	110.2 (2.62)	30.4
<i>Dardanus</i> sp. 1	0.082 (0.049)	0.031 (0.018)	11.69 (0.61)	1
<i>Dasyatis kuhlii</i>	0.865 (0.548)	0.002 (0.001)	210 (0)	1
<i>Dasyatis leylandi</i>	0.321 (0.177)	0.002 (0.001)	274.2 (67.44)	1.2
<i>Dendrochirus zebra</i>	0.22 (0.22)	0.003 (0.003)	179 (0)	0.2
<i>Dendronephthya</i> sp.	0.068 (0.044)	0.016 (0.01)	47.67 (5.36)	0.7
<i>Dendrophysa russelli</i>	0.832 (0.832)	0.006 (0.006)	174 (0)	0.2
<i>Dexillichthys mulleri</i>	3.926 (0.999)	0.049 (0.008)	162.1 (4.81)	14.1
<i>Diagramma pictum</i>	30.129 (6.986)	0.998 (0.208)	99.79 (2.68)	36.6
<i>Dictyosquilla foveolata</i>	0.143 (0.088)	0.004 (0.002)	32.75 (5.57)	1
<i>Diodon hystrix</i>	0.045 (0.045)	0.004 (0.004)	48 (0)	0.2
<i>Dollabella auricularia</i>	0.023 (0.023)	0.003 (0.003)	43 (0)	0.2
<i>Dosinia</i> sp.	0.005 (0.005)	0.003 (0.003)	20 (0)	0.2
<i>Dromidia</i> sp.	0.041 (0.04)	0.006 (0.005)	38 (31)	0.5
<i>Dussumieria elopsoides</i>	0.051 (0.04)	0.001 (0.001)	147.5 (2.5)	0.5
<i>Echeneis naucrates</i>	0.05 (0.05)	< 0.001	310 (0)	0.2
<i>Echinocardium</i> sp.	0.093 (0.093)	0.007 (0.007)	44 (0)	0.2
<i>Elates ransonetti</i>	2.839 (0.328)	0.327 (0.038)	136.87 (1.56)	35.2
<i>Engyproson grandisquama</i>	3.38 (0.77)	0.379 (0.069)	85.48 (1.35)	19.6
<i>Epinephelus sexfasciatus</i>	16.119 (2.742)	0.24 (0.034)	137.12 (2.75)	27.3
<i>Epizoanthus</i> sp.	0.04 (0.036)	0.009 (0.005)	467.67 (379.68)	0.7
<i>Eucrate dorsalis</i>	0.01 (0.009)	0.003 (0.002)	16 (6)	0.5
<i>Eucrate</i> sp. 2	0.002 (0.002)	0.003 (0.002)	11 (1)	0.5
<i>Euprymna</i> sp. C	0.011 (0.005)	0.003 (0.001)	20 (0.93)	1.4
<i>Euprymna tasmanica</i>	0.101 (0.021)	0.035 (0.007)	16.63 (0.7)	7.7
<i>Euristhmus nudiceps</i>	50.187 (4.862)	1.922 (0.218)	231.63 (1.86)	57.9

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<i>Filicampus tigris</i>	0.016 (0.012)	0.003 (0.002)	265 (10)	0.5
<i>Fillimanus heptadactyla</i>	0.797 (0.413)	0.033 (0.023)	163.5 (13.74)	1
<i>Fistularia petimba</i>	6.683 (0.755)	0.424 (0.038)	304.05 (4.52)	41.1
<i>Fragum</i> sp.	0.002 (0.002)	0.003 (0.003)	13 (0)	0.2
<i>Galathea</i> sp.	0 (0)	0.001 (0.001)	5 (0)	0.2
<i>Gazza minuta</i>	1.118 (0.353)	0.034 (0.011)	102.05 (3.89)	5.5
<i>Gerres filamentosus</i>	7.236 (2.228)	0.223 (0.055)	104.7 (1.88)	19.9
<i>Gerres macrosoma</i>	0.006 (0.006)	< 0.001	90 (0)	0.2
<i>Gerres subfasciatus</i>	7.709 (1.575)	0.175 (0.034)	122.23 (2.67)	12.7
<i>Glaucosoma magnificum</i>	1.791 (1.103)	0.097 (0.059)	90.66 (1.8)	1.4
<i>Gnathanodon speciosus</i>	0.019 (0.014)	0.005 (0.005)	82 (18)	0.5
<i>Goniadiscaster</i> sp.	0.005 (0.005)	0.002 (0.002)	42 (0)	0.2
<i>Grammatobothus pennatus</i>	0.028 (0.018)	0.002 (0.001)	113.33 (1.67)	0.7
<i>Grammatobothus polyophthalmus</i>	3.607 (0.487)	0.274 (0.035)	105.31 (2.16)	28.9
<i>Gymnocranius griseus</i>	4.62 (3.339)	0.474 (0.346)	79.34 (1.17)	0.7
<i>Halimeda discoidea</i>	0.516 (0.391)	0.049 (0.019)	98.56 (16.21)	2.2
<i>Halimeda</i> sp.	0.597 (0.224)	0.057 (0.023)	94.77 (10.78)	3.6
<i>Harpiosquilla harpax</i>	0.165 (0.069)	0.003 (0.001)	39.93 (2.65)	1.7
<i>Hemigaleus australiensis</i>	0.51 (0.417)	0.001 (0.001)	453.75 (145.45)	1
<i>Hemiscyllium ocellatum</i>	0.111 (0.111)	< 0.001		0.2
<i>Herklotsichthys koningsbergeri</i>	0.148 (0.103)	0.005 (0.003)	117.25 (7.25)	1
<i>Herklotsichthys lippa</i>	0.216 (0.086)	0.013 (0.005)	102.58 (7.07)	1.9
<i>Himantura toshi</i>	4.415 (4.164)	0.002 (0.001)	290.8 (53.81)	1.2
<i>Hippocampus queenslandicus</i>	0.001 (0.001)	0.001 (0.001)	55 (0)	0.2
<i>Holothuria nobilils</i>	0.282 (0.282)	0.007 (0.007)	110.5 (0)	0.2
<i>Holothuria ocellata</i>	0.08 (0.061)	0.002 (0.002)	125 (25)	0.5
<i>Hyastenus</i> sp.	0.007 (0.007)	0.001 (0.001)	25 (0)	0.2
<i>Hyporhamphus (Reporhamphus) dussumieri</i>	0.267 (0.151)	0.012 (0.006)	193.5 (28.07)	1
<i>Hyporhamphus (Reporhamphus) quoyi</i>	0.103 (0.103)	0.003 (0.003)	208 (0)	0.2
<i>Ichthy Scopus fasciatus</i>	0.212 (0.212)	0.001 (0.001)	160 (0)	0.2
<i>Ilisha</i> sp.	0.009 (0.009)	0.005 (0.005)	62 (0)	0.2
<i>Inegocia harrisii</i>	0.074 (0.074)	0.003 (0.003)	147 (0)	0.2
<i>Inegocia japonica</i>	106.664 (6.598)	4.935 (0.277)	128.23 (0.98)	88
<i>Inimicus caledonicus</i>	0.3 (0.095)	0.02 (0.006)	75.14 (3.46)	4.3
<i>Inimicus didactylus</i>	0.063 (0.063)	0.003 (0.003)	104 (0)	0.2
<i>Inimicus sinensis</i>	0.252 (0.147)	0.018 (0.01)	89.88 (3.85)	1
<i>Ixa inermis</i>	0.001 (0.001)	< 0.001	50 (0)	0.2
<i>Johnius (Johnieops) borneensis</i>	8.141 (1.186)	0.159 (0.021)	128.52 (2.76)	17.2
<i>Johnius amblycephalus</i>	2.009 (0.479)	0.031 (0.007)	146.69 (2.4)	5
<i>Johnius coitor</i>	0.183 (0.183)	0.003 (0.003)	182 (0)	0.2
<i>Jonas luteanus</i>	0.024 (0.024)	0.003 (0.003)	37 (0)	0.2
<i>Kanekonia queenslandica</i>	0.101 (0.059)	0.01 (0.005)	71.75 (14.04)	1
<i>Kumococius rodericensis</i>	3.097 (1.494)	0.215 (0.098)	122.45 (5.86)	1.2
<i>Lactarius lactarius</i>	0.526 (0.249)	0.012 (0.007)	147.1 (4.57)	1.2
<i>Lactoria cornuta</i>	1.668 (0.47)	0.046 (0.011)	75.04 (6.2)	6.2
<i>Lactoria diaphana</i>	0.101 (0.086)	0.008 (0.006)	54 (14)	0.5
<i>Laganum depressum</i>	0.519 (0.244)	0.081 (0.019)	36.73 (6.42)	4.8
<i>Lagocephalus lunaris</i>	0.062 (0.062)	0.001 (0.001)	110 (0)	0.2
<i>Lagocephalus scleratus</i>	77.848 (8.949)	2.903 (0.346)	113.52 (0.75)	80.1
<i>Lagocephalus spadiceus</i>	0.555 (0.196)	0.053 (0.033)	96.57 (9.82)	3.6
<i>Leiognathus aureus</i>	0.027 (0.027)	0.02 (0.02)	48.43 (0)	0.2
<i>Leiognathus bindus</i>	3.804 (0.484)	0.616 (0.168)	61.89 (0.98)	34.2
<i>Leiognathus blochii</i>	0.064 (0.042)	0.005 (0.004)	83.15 (9.78)	0.7

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Leiognathus decorus</i>	6.805 (1.589)	1.593 (0.511)	73.88 (1.67)	14.1
<i>Leiognathus elongatus</i>	0.146 (0.112)	0.006 (0.004)	115 (16)	0.5
<i>Leiognathus equulus</i>	7.2 (3.397)	0.115 (0.055)	121.33 (3.17)	8.9
<i>Leiognathus leuciscus</i>	13.226 (2.447)	0.668 (0.104)	89.78 (1.2)	30.6
<i>Leiognathus moretoniensis</i>	4.451 (0.734)	0.758 (0.134)	59.83 (1.92)	15.3
<i>Leiognathus smithursti</i>	0.211 (0.126)	0.012 (0.009)	99.33 (12.37)	0.7
<i>Leiognathus</i> sp. 2	10.847 (1.73)	1.601 (0.256)	65.92 (1.13)	30.4
<i>Leiognathus splendens</i>	43.225 (12.784)	2.717 (0.732)	87.72 (1.59)	19.6
<i>Lepidotrigla argus</i>	1.777 (0.529)	0.097 (0.029)	102.55 (3.35)	5.7
<i>Lethrinus genivittatus</i>	45.487 (12.099)	1.54 (0.413)	113.22 (1.83)	19.4
<i>Lethrinus semicinctus</i>	56.51 (26.898)	3.443 (1.873)	118.77 (2.42)	11
<i>Lethrinus</i> sp. 3	0.42 (0.42)	0.003 (0.003)	210 (0)	0.2
<i>Lethrinus variegatus</i>	0.056 (0.056)	0.003 (0.003)	108 (0)	0.2
<i>Liagore rubromaculata</i>	0.002 (0.002)	0.001 (0.001)	17 (0)	0.2
<i>Liagore</i> sp.	0.003 (0.002)	0.002 (0.001)	14.75 (2.25)	1
<i>Liocranium praepositum</i>	0.646 (0.338)	0.049 (0.024)	83.43 (5.78)	1.4
<i>Lophodiodon calori</i>	0.036 (0.036)	0.004 (0.004)	47 (0)	0.2
<i>Lophozozymus neoxanthops</i>	0.018 (0.018)	0.001 (0.001)	42 (0)	0.2
<i>Lovenia elongata</i>	0.308 (0.235)	0.023 (0.011)	40 (7.31)	1.2
<i>Luidia</i> sp.	1.545 (0.586)	0.052 (0.018)	123.6 (9.59)	8.4
<i>Lupocyclus philippinensis</i>	0.062 (0.062)	0.003 (0.003)	35 (0)	0.2
<i>Lupocyclus rotundatus</i>	2.72 (0.413)	0.426 (0.237)	33.15 (0.53)	24.6
<i>Lutjanus malabaricus</i>	6.888 (1.38)	0.169 (0.027)	106.93 (5.11)	15.8
<i>Lutjanus quinquelineatus</i>	0.006 (0.006)	0.001 (0.001)	50 (0)	0.2
<i>Lutjanus russelli</i>	0.576 (0.565)	0.004 (0.003)	175.5 (55.5)	0.5
<i>Lutjanus sebae</i>	0.363 (0.145)	0.008 (0.002)	105.78 (12.42)	3.8
<i>Lutjanus vitta</i>	0.666 (0.319)	0.014 (0.006)	121.24 (7.99)	2.2
<i>Matuta granulosa</i>	0.027 (0.019)	0.003 (0.002)	38 (1)	0.5
<i>Matuta inermis</i>	0.119 (0.119)	0.004 (0.004)	38 (0)	0.2
<i>Megalaspis cordyla</i>	0.221 (0.185)	0.034 (0.033)	119.64 (50.36)	0.5
<i>Meiacanthus luteus</i>	0.003 (0.003)	0.001 (0.001)	75 (0)	0.2
<i>Melaxinia vitrea</i>	0.129 (0.102)	0.02 (0.016)	29.89 (1.38)	1.2
<i>Metapenaeopsis palmensis</i>	46.006 (2.966)	20.396 (1.496)	15.47 (0.16)	97.6
<i>Metapenaeopsis rosea</i>	0.061 (0.043)	0.025 (0.023)	20.75 (2.25)	0.5
<i>Metapenaeus endeavouri</i>	2.386 (0.397)	0.273 (0.043)	19.66 (0.29)	20.8
<i>Metapenaeus ensis</i>	0.625 (0.26)	0.189 (0.142)	21.49 (0.45)	10.8
<i>Metasepia pfefferi</i>	0.428 (0.223)	0.01 (0.005)	46.25 (2.27)	1.9
<i>Minous trachycephalus</i>	0.01 (0.006)	0.003 (0.002)	43.33 (3.33)	0.7
<i>Minous versicolor</i>	0.389 (0.147)	0.027 (0.008)	62.64 (3.22)	6
<i>Miyakea nepa</i>	0.059 (0.059)	0.001 (0.001)	40.5 (0)	0.2
<i>Monacanthus chinensis</i>	1.468 (0.481)	0.135 (0.05)	69.29 (5.22)	5
<i>Muraenesox cinereus</i>	0.668 (0.392)	0.003 (0.002)	567.5 (66.51)	1
<i>Nemipterus celebicus</i>	0.063 (0.063)	0.003 (0.003)	126 (0)	0.2
<i>Nemipterus furcosus</i>	43.274 (9.474)	1.325 (0.354)	135.28 (1.95)	30.4
<i>Nemipterus hexodon</i>	101.255 (8.449)	3.329 (0.352)	116.79 (1.39)	69.1
<i>Nemipterus mesoprion</i>	20.822 (3.949)	1.293 (0.424)	117.1 (2.63)	15.6
<i>Nemipterus metopias</i>	0.742 (0.742)	0.015 (0.015)	146.25 (0)	0.2
<i>Nemipterus nematopus</i>	1.33 (0.39)	0.029 (0.009)	126.76 (6.29)	4.1
<i>Nemipterus peronii</i>	25.341 (2.222)	0.677 (0.062)	115.19 (1.76)	49.5
<i>Nemipterus</i> sp.	0.03 (0.03)	0.001 (0.001)	110 (0)	0.2
<i>Nephtya</i> sp. 1	0.279 (0.109)	0.116 (0.05)	37.56 (2.1)	3.1
<i>Nephtya</i> sp. 4	0.396 (0.242)	0.022 (0.012)	81.42 (19.53)	1
<i>Nephtya</i> sp. 5	0.11 (0.066)	0.026 (0.017)	44.85 (9.05)	1
<i>Octopus exannulatus</i>	0.954 (0.66)	0.039 (0.012)	30 (4.39)	3.3

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Octopus graptus</i>	0.468 (0.233)	0.005 (0.002)	64.78 (6.91)	2.2
<i>Octopus marginatus</i>	1.016 (0.259)	0.016 (0.005)	64.13 (5.9)	4.8
<i>Octopus</i> sp.	0.007 (0.007)	0.001 (0.001)	25 (0)	0.2
<i>Odontodactylus cultrifer</i>	0.589 (0.195)	0.012 (0.004)	37.83 (3.41)	2.9
<i>Onigocia oligolepis</i>	0.315 (0.315)	0.023 (0.023)	106.33 (0)	0.2
<i>Ophiarachnella</i> sp.	0 (0)	0.003 (0.003)	20 (0)	0.2
<i>Ophiomyxa</i> sp.	0.001 (0.001)	0.006 (0.006)	75.5 (0)	0.2
<i>Ophionereis</i> sp.	0.003 (0.002)	0.016 (0.011)	10.67 (4.67)	0.5
<i>Ophiopsammus</i> sp.	0.055 (0.039)	0.006 (0.004)	110.5 (0.5)	0.5
<i>Oratosquilla anomola</i>	0.056 (0.042)	0.007 (0.005)	21 (3)	0.5
<i>Oratosquilla interrupta</i>	0.491 (0.15)	0.039 (0.011)	23.02 (1.03)	4.1
<i>Oratosquilla woodmasoni</i>	3.844 (0.782)	0.127 (0.024)	27.9 (0.65)	15.3
<i>Ostracion cubicus</i>	2.3 (0.583)	0.336 (0.114)	56.12 (4.46)	9.6
<i>Ostracion nasus</i>	4.164 (0.985)	0.68 (0.219)	47.95 (3.3)	23.7
<i>Oxymetopon typus</i>	0.002 (0.002)	0.001 (0.001)	95 (0)	0.2
<i>Oxyurichthys</i> sp.	2.066 (0.47)	0.108 (0.026)	109.39 (2.86)	12.2
<i>Paracentropogon longispinis</i>	4.001 (0.814)	0.44 (0.087)	76.66 (7.05)	21.8
<i>Parachaetodon ocellatus</i>	1.46 (0.581)	0.097 (0.037)	74.6 (3.52)	3.3
<i>Paramonacanthus japonicus</i>	43.07 (7.332)	5.13 (0.879)	77.24 (0.94)	20.8
<i>Paramonacanthus otisensis</i>	11.401 (0.983)	0.988 (0.083)	67.63 (0.58)	56.2
<i>Parapenaeus indicus</i>	0.029 (0.029)	< 0.001	165 (0)	0.2
<i>Parapenaeus longipes</i>	0.025 (0.025)	0.009 (0.009)	21.33 (0)	0.2
<i>Paraperis nebulosa</i>	1.006 (0.366)	0.084 (0.021)	83.25 (7.89)	6.5
<i>Paraperis xanthozona</i>	0.011 (0.011)	0.003 (0.003)	71 (0)	0.2
<i>Paraplagusia bilineata</i>	0.555 (0.358)	0.012 (0.007)	182.83 (19.08)	0.7
<i>Paraplagusia sinerama</i>	0.733 (0.318)	0.007 (0.003)	250 (5.53)	2.2
<i>Parascorpaena mossambica</i>	0.117 (0.042)	0.012 (0.005)	74.23 (4.29)	2.4
<i>Parthenope longimanus</i>	0.016 (0.016)	0.002 (0.002)	26 (0)	0.2
<i>Pecten jacobaeus</i>	0.061 (0.061)	0.003 (0.003)	53 (0)	0.2
<i>Pegasus volitans</i>	0.243 (0.107)	0.059 (0.024)	109.26 (3.09)	3.1
<i>Pelates quadrilineatus</i>	6.212 (1.505)	0.244 (0.055)	102.07 (1.24)	14.4
<i>Pelates sexlineatus</i>	0.258 (0.153)	0.007 (0.004)	116.25 (6.64)	1.2
<i>Pellona ditchela</i>	0.455 (0.153)	0.022 (0.009)	112.13 (3.87)	2.9
<i>Pentacta anceps</i>	0.018 (0.018)	0.003 (0.003)	41 (0)	0.2
<i>Pentacta</i> sp.	0.15 (0.15)	0.01 (0.01)	43 (0)	0.2
<i>Pentapodus aureofasciatus</i>	0.048 (0.048)	0.003 (0.003)	111 (0)	0.2
<i>Pentapodus paradiseus</i>	16.654 (5.999)	0.967 (0.421)	108.06 (3.42)	11.7
<i>Pentapodus setosus</i>	2.085 (1.524)	0.101 (0.076)	115.62 (4.68)	0.5
<i>Pentaprion longimanus</i>	17.485 (3.263)	0.851 (0.128)	80.92 (1)	34.4
<i>Peronella</i> sp.	0.304 (0.117)	0.058 (0.017)	38.48 (4.67)	6.9
<i>Petrarctus demani</i>	1.982 (0.217)	0.278 (0.029)	19.78 (0.38)	30.4
<i>Phalangipes longipes</i>	0.001 (0.001)	0.001 (0.001)	13 (0)	0.2
<i>Phalangipes</i> sp.	0 (0)	0.002 (0.002)	18 (0)	0.2
<i>Photololigo chinensis</i>	0.502 (0.221)	0.009 (0.003)	95.02 (20.37)	2.4
<i>Photololigo</i> sp.	0.004 (0.004)	0.001 (0.001)	40 (0)	0.2
<i>Placamen</i> sp.	0.021 (0.016)	0.006 (0.004)	22.5 (3.5)	0.5
<i>Placuna placenta</i>	0.149 (0.149)	0.002 (0.002)	117 (0)	0.2
<i>Platax batavianus</i>	0.007 (0.007)	0.001 (0.001)	50 (0)	0.2
<i>Platax teira</i>	5.056 (1.173)	0.112 (0.021)	87 (4.01)	11.5
<i>Platycephalus endrachtensis</i>	0.382 (0.382)	0.001 (0.001)	340 (0)	0.2
<i>Platycephalus indicus</i>	0.724 (0.473)	0.005 (0.003)	270.83 (22.1)	0.7
<i>Plotosus lineatus</i>	13.826 (5.131)	0.613 (0.227)	151.19 (7.69)	12.9
<i>Plumularia</i> sp.	0.001 (0.001)	0.01 (0.006)	142.33 (32.64)	0.7
<i>Podophthalmus vigil</i>	4.166 (0.814)	0.132 (0.026)	72.99 (2.17)	14.8

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Polydactylus multiradiatus</i>	4.16 (1.184)	0.075 (0.02)	122.77 (2.15)	7.2
<i>Pomacentrus nagasakiensis</i>	0.078 (0.071)	0.006 (0.004)	101.5 (48.5)	0.5
<i>Pomadasys argenteus</i>	3.54 (1.469)	0.277 (0.116)	90.73 (1.82)	3.6
<i>Pomadasys argyreus</i>	3.51 (1.132)	0.183 (0.066)	95.15 (2)	5
<i>Pomadasys kaakan</i>	0.391 (0.279)	0.005 (0.003)	168 (24.85)	0.7
<i>Pomadasys maculatus</i>	10.952 (3.364)	0.466 (0.203)	110.45 (2.82)	12.2
<i>Porcellanidae</i> sp.	0.001 (0.001)	0.005 (0.005)	3.67 (0)	0.2
<i>Portunus aburatosubo</i>	0.46 (0.263)	0.049 (0.027)	39.4 (1.09)	1.2
<i>Portunus acerbiterminalis</i>	0.104 (0.026)	0.049 (0.008)	30.89 (0.58)	10.8
<i>Portunus argentatus</i>	1.16 (0.467)	0.124 (0.051)	38.25 (0.53)	2.9
<i>Portunus gladiator</i>	0.036 (0.036)	0.003 (0.003)	40 (0)	0.2
<i>Portunus gracilimanus</i>	3.178 (0.436)	0.368 (0.046)	36.16 (0.39)	34.7
<i>Portunus granulatus</i>	0.268 (0.268)	0.022 (0.022)	41 (0)	0.2
<i>Portunus hastatoides</i>	35.09 (8.2)	3.651 (0.894)	42.08 (0.56)	11.2
<i>Portunus innominatus</i>	0.142 (0.142)	0.015 (0.015)	39 (0)	0.2
<i>Portunus orbitosinus</i>	0.039 (0.015)	0.024 (0.008)	30.64 (0.91)	2.9
<i>Portunus pseudorargentatus</i>	0.021 (0.021)	0.005 (0.005)	42 (0)	0.2
<i>Portunus rubromarginatus</i>	19.346 (4.461)	1.269 (0.351)	49.28 (0.56)	26.8
<i>Portunus rugosus</i>	0.046 (0.043)	0.027 (0.023)	23.92 (0.58)	0.5
<i>Portunus tenuipes</i>	71.018 (4.625)	6.969 (0.434)	41.48 (0.2)	77.3
<i>Priacanthus tayenus</i>	83.413 (6.106)	1.31 (0.095)	138.15 (1.41)	71.8
<i>Pristotis jerdoni</i>	7.352 (1.486)	0.648 (0.121)	70.23 (1.26)	18.7
<i>Psammodytes ocellatus</i>	0.111 (0.073)	0.009 (0.006)	99.44 (2.94)	0.7
<i>Psettodes erumei</i>	30.33 (4.135)	0.212 (0.023)	214.5 (4.02)	28.7
<i>Pseudamia amblyropterus</i>	0.164 (0.071)	0.024 (0.011)	83.33 (6.84)	1.4
<i>Pseudocolochirus</i> sp.	0.461 (0.298)	0.002 (0.001)	146 (27.01)	0.7
<i>Pseudomonacanthus elongatus</i>	2.105 (0.591)	0.142 (0.04)	106.08 (2.98)	4.3
<i>Pseudomonacanthus peroni</i>	4.289 (1.256)	0.163 (0.041)	108.31 (6.01)	10.8
<i>Pseudorhombus argus</i>	4.471 (1.05)	0.109 (0.024)	161.24 (3.85)	7.4
<i>Pseudorhombus arsius</i>	21.799 (2.566)	0.276 (0.035)	198.4 (2.14)	29.4
<i>Pseudorhombus diplospilus</i>	20.41 (2.925)	0.343 (0.045)	179.13 (3.1)	32.3
<i>Pseudorhombus elevatus</i>	7.426 (1.08)	0.4 (0.064)	119.42 (1.18)	37.3
<i>Pseudorhombus jenynsii</i>	3.544 (1.046)	0.051 (0.014)	184.21 (6.12)	5
<i>Pseudorhombus spinosus</i>	15.785 (1.957)	0.372 (0.044)	172.44 (1.87)	35.6
<i>Pteroeides</i> sp.	0.051 (0.025)	0.01 (0.004)	123 (9.59)	2.2
<i>Pterois volitans</i>	0.82 (0.285)	0.014 (0.004)	124.13 (7.23)	4.8
<i>Quollastria gonypetes</i>	1.88 (0.31)	0.154 (0.021)	21.44 (0.65)	21.8
<i>Rastrelliger kanagurta</i>	0.261 (0.159)	0.01 (0.008)	143.63 (33.63)	1
<i>Retiflustra</i> sp.	0.001 (0.001)	0.003 (0.003)	44 (0)	0.2
<i>Rhynchobatus australiae</i>	14.421 (12.036)	0.003 (0.002)	882 (104.66)	1.4
<i>Rogadius asper</i>	0.036 (0.036)	0.004 (0.004)	78 (0)	0.2
<i>Samaris cristatus</i>	0.088 (0.088)	0.007 (0.007)	101.33 (0)	0.2
<i>Sardinella albella</i>	1.898 (0.359)	0.103 (0.026)	114.27 (2.56)	11.7
<i>Sardinella gibbosa</i>	0.036 (0.026)	0.003 (0.002)	95 (5)	0.5
<i>Saurenhelys</i> sp.	0.133 (0.063)	0.006 (0.003)	362.33 (16.41)	1.4
<i>Saurida grandisquamis</i>	114.87 (6.695)	1.622 (0.08)	181.12 (1.32)	75.8
<i>Saurida longimanus</i>	3.422 (1.268)	0.057 (0.018)	188.88 (18.2)	2.9
<i>Saurida micropectoralis</i>	94.182 (7.134)	0.645 (0.05)	225.72 (2.91)	54.1
<i>Saurida nebulosa</i>	2.677 (1.048)	0.126 (0.035)	121.96 (11.32)	6.5
<i>Scleractinia</i> sp.	0.12 (0.058)	0.004 (0.003)		1.4
<i>Scolopsis affinis</i>	0.009 (0.009)	0.003 (0.003)	60 (0)	0.2
<i>Scolopsis monogramma</i>	0.228 (0.228)	0.003 (0.003)	177 (0)	0.2
<i>Scolopsis taeniopterus</i>	510.846 (31.105)	21.322 (1.35)	104.13 (0.89)	97.1
<i>Scomberomorus munroi</i>	0.438 (0.438)	0.001 (0.001)	450 (0)	0.2

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Scorpaena cardinalis</i>	0.012 (0.012)	0.001 (0.001)	75 (0)	0.2
<i>Scyllarus</i> sp.	0.001 (0.001)	0.001 (0.001)	10 (0)	0.2
<i>Scyllarus</i> sp. 2	3.199 (0.653)	0.338 (0.064)	25.36 (0.89)	11.2
<i>Secutor insidiator</i>	0.06 (0.038)	0.006 (0.003)	63.75 (9.87)	1
<i>Secutor ruconius</i>	0.335 (0.141)	0.058 (0.034)	67.11 (5.42)	2.6
<i>Selar boops</i>	1.839 (0.528)	0.066 (0.02)	137.6 (6.23)	4.8
<i>Selaroides leptolepis</i>	18.076 (3.273)	0.517 (0.079)	112.72 (1.71)	33.3
<i>Sepia elliptica</i>	6.456 (0.815)	0.243 (0.021)	51.35 (1.19)	36.8
<i>Sepia papuensis</i>	27.982 (4.212)	1.101 (0.17)	56.23 (1.39)	16.7
<i>Sepia pharaonis</i>	3.249 (0.676)	0.063 (0.009)	69.35 (3.42)	17.2
<i>Sepia plangon</i>	0.242 (0.125)	0.007 (0.003)	71.2 (5.03)	1.2
<i>Sepia smithi</i>	6.535 (0.969)	0.177 (0.023)	61 (2.49)	22.2
<i>Sepia</i> sp.	7.798 (2.944)	0.283 (0.087)	54.09 (3.41)	7.2
<i>Setipinna tenuifilis</i>	0.002 (0.002)	0.003 (0.003)	31 (0)	0.2
<i>Sicyonia cristata</i>	0.059 (0.039)	0.027 (0.015)	13.33 (1.43)	2.2
<i>Siganus canaliculatus</i>	2.963 (1.244)	0.132 (0.065)	127.03 (6.69)	2.6
<i>Siganus fuscescens</i>	28.706 (9.561)	1.548 (0.668)	117.5 (1.59)	23.4
<i>Sillago maculata</i>	38.136 (7.145)	0.753 (0.144)	160.21 (1.48)	27
<i>Sillago sihama</i>	10.256 (1.963)	0.361 (0.074)	140.16 (1.47)	16.3
<i>Siphamia roseigaster</i>	0.005 (0.005)	0.001 (0.001)	50 (0)	0.2
<i>Sirembo imberbis</i>	0.638 (0.175)	0.025 (0.007)	152.92 (3.09)	7.2
<i>Sorsogona tuberculata</i>	0.233 (0.212)	0.02 (0.017)	85.33 (15.5)	0.7
<i>Sphyaena obtusata</i>	0.74 (0.322)	0.006 (0.002)	250 (18.9)	2.2
<i>Sphyaena putnamae</i>	0.069 (0.069)	< 0.001	350 (0)	0.2
<i>Steginoporella</i> sp.	0 (0)	0.004 (0.004)	20 (0)	0.2
<i>Stellaster equestris</i>	0.416 (0.219)	0.011 (0.005)	129 (11.3)	1
<i>Stolephorus indicus</i>	0.371 (0.302)	0.157 (0.1)	56.3 (4.96)	2.6
<i>Stolephorus waitei</i>	0.046 (0.024)	0.003 (0.002)	107 (14.28)	1.2
<i>Stolephorus watei</i>	0.025 (0.019)	0.017 (0.014)	64.4 (4.6)	0.5
<i>Strabozebrias cancellatus</i>	0.046 (0.046)	0.004 (0.004)	99 (0)	0.2
<i>Strombus vittatus</i>	0.024 (0.024)	0.003 (0.003)	56 (0)	0.2
<i>Suggrundus macracanthus</i>	21.769 (1.783)	1.304 (0.097)	107.12 (1.16)	66.7
<i>Suggrundus</i> sp.	0.552 (0.39)	0.006 (0.005)	224 (21)	0.5
<i>Synalpheus</i> sp.	0 (0)	0.009 (0.005)	2 (0)	0.7
<i>Synchiropus rameus</i>	3.092 (1.032)	0.166 (0.052)	111.8 (3.15)	6.7
<i>Syngnathidae</i> sp. 1	0.015 (0.015)	0.003 (0.003)	266 (0)	0.2
<i>Synodus hoshinonis</i>	12.049 (1.755)	0.552 (0.082)	127.01 (1.66)	23.7
<i>Synodus indicus</i>	0.263 (0.244)	0.014 (0.012)	118.38 (17.38)	0.5
<i>Synodus jaculum</i>	0.236 (0.187)	0.006 (0.005)	152.5 (17.5)	0.5
<i>Synodus macrops</i>	0.426 (0.183)	0.028 (0.011)	117.06 (8.78)	1.9
<i>Synodus sageneus</i>	0.541 (0.248)	0.019 (0.011)	153.36 (4.66)	1.4
<i>Synodus similis</i>	0.083 (0.083)	0.004 (0.004)	130 (0)	0.2
<i>Synodus</i> sp.	0.011 (0.011)	< 0.001	130 (0)	0.2
<i>Synodus variegatus</i>	0.333 (0.333)	0.01 (0.01)	149.33 (0)	0.2
<i>Tathicarpus butleri</i>	0.264 (0.134)	0.024 (0.012)	76.6 (4.39)	1.2
<i>Terapon jarbua</i>	0.202 (0.093)	0.004 (0.002)	122.14 (3.43)	1.7
<i>Terapon theraps</i>	3.193 (0.749)	0.103 (0.02)	111.98 (2.93)	12.9
<i>Tetrabrachium ocellatum</i>	0.323 (0.096)	0.039 (0.01)	53.66 (1.95)	5.5
<i>Thalamita danae</i>	0.024 (0.024)	0.003 (0.003)	36 (0)	0.2
<i>Thalamita pavidens</i>	0.036 (0.036)	0.003 (0.003)	41 (0)	0.2
<i>Thalamita sima</i>	0.411 (0.146)	0.044 (0.014)	34.68 (0.87)	7.2
<i>Thalamita</i> sp.	0.026 (0.021)	0.003 (0.003)	39.5 (3.5)	0.5
<i>Thalassodendron ciliatum</i>	0.046 (0.046)	0.169 (0.169)	99.53 (0)	0.2
<i>Thamnaconus striatus</i>	0.08 (0.08)	0.004 (0.004)	107 (0)	0.2

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Thryssa hamiltonii</i>	1.417 (0.362)	0.034 (0.01)	157.76 (4.39)	5
<i>Thryssa setirostris</i>	1.397 (0.422)	0.038 (0.011)	137.18 (4.59)	6.9
<i>Torquigener hicksi</i>	0.058 (0.058)	0.003 (0.003)	97 (0)	0.2
<i>Torquigener pallimaculatus</i>	9.738 (1.545)	0.539 (0.111)	92.75 (1.41)	25.6
<i>Torquigener whitleyi</i>	20.028 (2.165)	0.875 (0.106)	82.69 (0.84)	44
<i>Trachinocephalus myops</i>	0.847 (0.32)	0.027 (0.01)	145.33 (5.21)	2.9
<i>Trachypenaeus anchoralis</i>	27.223 (2.189)	11.197 (1.044)	16.89 (0.2)	80.4
<i>Trachypenaeus curvirostris</i>	0.108 (0.097)	0.06 (0.053)	18.72 (0.22)	0.5
<i>Trachypenaeus granulatus</i>	9.048 (0.907)	2.742 (0.309)	15.38 (0.17)	51
<i>Trachypenaeus</i> sp.	0.752 (0.752)	0.02 (0.02)	15.32 (0)	0.2
<i>Tragulichthys jaculiferus</i>	4.52 (1.1)	0.045 (0.01)	97.88 (6.11)	7.2
<i>Triacanthus biaculeatus</i>	0.192 (0.101)	0.013 (0.006)	94.4 (20.68)	1.2
<i>Triacanthus nieuhofi</i>	0.032 (0.032)	0.001 (0.001)	120 (0)	0.2
<i>Trichiurus lepturus</i>	0.014 (0.014)	0.001 (0.001)	315 (0)	0.2
<i>Tripodichthys angustifrons</i>	0.054 (0.042)	0.01 (0.008)	75.33 (5.33)	0.5
<i>Triphichthys weberi</i>	4.835 (2.405)	0.328 (0.15)	107.34 (5.11)	12.2
<i>Ulua aurochs</i>	0.067 (0.043)	0.01 (0.006)	68 (10.02)	0.7
<i>Umbellifera</i> sp. 3	0.179 (0.179)	0.003 (0.003)	167 (0)	0.2
Unidentified Adeonellidae	0.007 (0.005)	0.007 (0.005)	53.5 (3.5)	0.5
Unidentified Alcyonarian	2.016 (0.593)	0.048 (0.032)	52.5 (0)	18.4
Unidentified Alpheidae	0.003 (0.002)	0.003 (0.002)	14 (0.71)	1
Unidentified Amphinomidae	0.001 (0.001)	0.002 (0.001)	30 (0)	0.5
Unidentified Apogon	0.075 (0.056)	0.003 (0.002)	102.5 (32.5)	0.5
Unidentified Ascidian	3.63 (0.83)	0.213 (0.037)	60.91 (3.18)	16.7
Unidentified Asteroidea	2.632 (0.875)	0.133 (0.03)	100.18 (10.55)	10.8
Unidentified Bivalve	0.169 (0.091)	0.022 (0.009)	27.15 (3.16)	2.4
Unidentified Bothidae	0.204 (0.119)	0.014 (0.008)	111 (7.37)	0.7
Unidentified Brittle Star	0.183 (0.074)	0.123 (0.051)	67.8 (7.6)	6
Unidentified Bryozoa	0.281 (0.107)	0.074 (0.02)	46.9 (3.85)	8.6
Unidentified Calappidae	0.212 (0.093)	0.019 (0.006)	34.54 (3.22)	3.3
Unidentified Carangidae	0.914 (0.354)	0.033 (0.02)	175.17 (9.2)	2.9
Unidentified Clupeidae	0.159 (0.085)	0.013 (0.008)	110 (0)	1.2
Unidentified Coelenterate	0.077 (0.076)	0.001 (0.001)	69.5 (43.5)	0.5
Unidentified Coral	0.014 (0.007)	0.003 (0.003)	160 (0)	2.2
Unidentified Crab	0.05 (0.048)	0.005 (0.004)	23 (10.61)	0.7
Unidentified Crinoid	1.97 (0.479)	0.172 (0.043)	49.54 (4.91)	13.6
Unidentified Cynoglossid	0.419 (0.212)	0.008 (0.003)	173.33 (23.2)	1.9
Unidentified Dasysatidae	0.818 (0.642)	0.008 (0.005)		0.5
Unidentified Diodontid	0.427 (0.341)	0.004 (0.003)	95 (5)	0.5
Unidentified Diogenid	0.007 (0.007)	0.001 (0.001)	14 (0)	0.2
Unidentified Dorippid	0.005 (0.005)	0.01 (0.01)	12 (0)	0.2
Unidentified Echinoidea	0.138 (0.126)	0.095 (0.057)	23.56 (3.42)	1.2
Unidentified Eel	0.116 (0.068)	0.004 (0.003)	265 (27.54)	0.7
Unidentified Eunicid	0 (0)	0.001 (0.001)	70 (0)	0.2
Unidentified Flabellifera	0.006 (0.004)	0.012 (0.007)	22.83 (2.32)	0.7
Unidentified Gastropod	0.182 (0.08)	0.026 (0.012)	42.5 (4.09)	2.2
Unidentified Glycymerididae	0.043 (0.043)	0.005 (0.005)	37 (0)	0.2
Unidentified Gobiidae	0.469 (0.235)	0.026 (0.011)	84.52 (3.04)	2.4
Unidentified Gorgonian	0.49 (0.407)	0.023 (0.013)	205.5 (55.73)	1
Unidentified Hemiramphidae	0.021 (0.011)	0.003 (0.002)	153.75 (42.2)	1
Unidentified Holothurian	7.035 (1.484)	0.196 (0.036)	92.78 (5.17)	18.9
Unidentified Hydroid	0.617 (0.215)	0.087 (0.025)	136.43 (18.89)	8.6
Unidentified Hydrozoa	0.001 (0.001)	< 0.001		0.2
Unidentified Isopoda	0.002 (0.001)	0.005 (0.004)	14.75 (4.25)	0.5

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Unidentified Leucosiidae</i>	0.07 (0.067)	0.012 (0.01)	18.67 (2.73)	0.7
<i>Unidentified Loliginidae</i>	0.734 (0.344)	0.036 (0.009)	65.4 (11.4)	5.5
<i>Unidentified Lopha</i>	0.008 (0.008)	0.001 (0.001)	43.67 (0)	0.2
<i>Unidentified Lumbrineridae</i>	0.003 (0.003)	0.001 (0.001)	115 (0)	0.2
<i>Unidentified Majidae</i>	0.021 (0.01)	0.018 (0.007)	12.17 (0.96)	2.4
<i>Unidentified Mugiloididae</i>	0.008 (0.007)	0.006 (0.005)	15.67 (0)	0.5
<i>Unidentified Muricidae</i>	0.321 (0.321)	0.036 (0.036)	46.25 (0)	0.2
<i>Unidentified Mytilidae</i>	0.012 (0.012)	0.004 (0.004)	18.5 (0)	0.2
<i>Unidentified Nudibranch</i>	0.007 (0.005)	0.002 (0.001)	53.5 (0)	0.5
<i>Unidentified Octopoda</i>	0.038 (0.038)	0.003 (0.002)	34 (28)	0.5
<i>Unidentified Ostreidae</i>	0.362 (0.362)	0.01 (0.01)	73.33 (0)	0.2
<i>Unidentified Parthenope</i>	0.003 (0.003)	0.001 (0.001)	39 (0)	0.2
<i>Unidentified Parthenopidae</i>	0.003 (0.003)	0.003 (0.002)	24.5 (11.5)	0.5
<i>Unidentified Pectindae</i>	0.006 (0.004)	0.001 (0.001)		0.5
<i>Unidentified Penaeid</i>	0.108 (0.101)	0.003 (0.002)		0.5
<i>Unidentified Phidoloporidae</i>	0.002 (0.002)	0.003 (0.003)	23 (0)	0.2
<i>Unidentified Pillumidae</i>	0.002 (0.002)	0.003 (0.003)	8.5 (0)	0.2
<i>Unidentified Pinnidae</i>	0.33 (0.33)	0.002 (0.002)	360 (0)	0.2
<i>Unidentified Platycephalidae</i>	1.015 (0.698)	0.005 (0.003)	275 (65.26)	0.7
<i>Unidentified Polychaete</i>	0.044 (0.032)	0.031 (0.021)	59.93 (12.89)	1.9
<i>Unidentified Portunidae</i>	0.003 (0.002)	0.002 (0.001)	27.67 (2.67)	0.7
<i>Unidentified Raniniidae</i>	0.042 (0.023)	0.007 (0.004)	18.17 (2.23)	1.4
<i>Unidentified Scorpaenidae</i>	0.289 (0.246)	0.005 (0.002)	73.33 (7.22)	1
<i>Unidentified Sea Urchin</i>	0.331 (0.102)	0.01 (0.003)	78.59 (3.33)	4.5
<i>Unidentified Sillaginidae</i>	0.564 (0.467)	0.016 (0.012)	147.63 (14.13)	0.5
<i>Unidentified Soleidae</i>	0.174 (0.151)	0.014 (0.013)	105.7 (9.3)	0.5
<i>Unidentified Sponge</i>	22.269 (6.813)	0.857 (0.326)	89.36 (10.46)	14.8
<i>Unidentified Squillidae</i>	0.074 (0.049)	0.005 (0.003)	23.4 (2.82)	1.2
<i>Unidentified Strombidae</i>	0.02 (0.02)	0.004 (0.004)	47 (0)	0.2
<i>Unidentified Turbinaria</i>	0.066 (0.059)	0.02 (0.013)	68.33 (42.86)	0.7
<i>Unidentified Uranoscopidae</i>	0.408 (0.408)	0.023 (0.022)	64.5 (39.5)	0.5
<i>Unidentified Urochordata</i>	0.184 (0.184)	0.006 (0.006)	76.5 (0)	0.2
<i>Unidentified Veneridae</i>	0.034 (0.019)	0.007 (0.004)	29 (8.02)	0.7
<i>Unidentified Xanthidae</i>	0.011 (0.01)	0.006 (0.004)	15 (8)	0.5
<i>Upeneus asymmetricus</i>	27.898 (11.421)	1.211 (0.554)	113.55 (1.19)	27
<i>Upeneus luzonius</i>	10.392 (6.743)	0.63 (0.426)	111.9 (2.78)	6
<i>Upeneus moluccensis</i>	0.809 (0.255)	0.093 (0.023)	87.43 (3.79)	8.1
<i>Upeneus sulphureus</i>	95.924 (9.338)	4.971 (0.497)	89.58 (0.6)	46.9
<i>Upeneus sundaicus</i>	118.969 (9.615)	4.182 (0.425)	114.34 (0.65)	90.4
<i>Upeneus tragula</i>	16.016 (2.84)	0.926 (0.175)	98.48 (1.19)	28.2
<i>Upeneus vittatus</i>	0.646 (0.46)	0.032 (0.029)	137.83 (9.2)	1.7
<i>Uroconger lepturus</i>	0.387 (0.291)	0.005 (0.004)	337.5 (32.5)	0.5
<i>Venus lamellaris</i>	0.003 (0.003)	0.003 (0.003)	20 (0)	0.2
<i>Volva volva</i>	0.011 (0.011)	0.002 (0.002)	20 (0)	0.2
<i>Xiphasia setifer</i>	0.024 (0.018)	0.002 (0.001)	301.67 (80.95)	0.7
<i>Xiphocheilus typus</i>	6.54 (0.644)	0.322 (0.033)	96.9 (1.07)	34.7
<i>Yongeichthys sp.</i>	1.77 (0.346)	0.167 (0.027)	74.23 (1.72)	14.8
<i>Zabidius novaemaculatus</i>	2.452 (0.743)	0.041 (0.013)	113.19 (5.01)	3.8
<i>Zebrias craticulus</i>	0.134 (0.094)	0.008 (0.005)	114.5 (8.33)	1
<i>Zebrias quagga</i>	0.128 (0.066)	0.006 (0.003)	118 (4.06)	1.2

Appendix 3. List of 488 taxa in the Queensland saucer scallop fishery trawl bycatch based on samples taken from 368 net trawls from the research charter and opportunistically sampling the fleet between February 2001 and November 2002. Mean catch rates are in grams and numbers per hectare, mean lengths (mm) are fork length or standard length for fish, carapace length for crustaceans, disc width or length for elasmobranchs, total length for echinoderms, and shell length for molluscs. Includes small or undersize principal target and permitted species. Frequency is percentage occurrence in 368 net trawls. Standard errors in brackets.

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Abalistes stellaris</i>	20.73 (6.491)	0.148 (0.028)	123.96 (6.7)	11.4
<i>Acanthogorgiidae</i>	0.024 (0.017)	< 0.001		0.5
<i>Acanthurus mata</i>	0.186 (0.186)	0.003 (0.003)	120 (0)	0.3
<i>Actaea tuberculosa</i>	0.008 (0.005)	0.007 (0.004)	13.2 (0.8)	1.1
<i>Actinopyga miliaris</i>	48.574 (10.701)	0.11 (0.022)	179.55 (3.77)	13.6
<i>Adventor elongatus</i>	0.032 (0.026)	0.004 (0.003)	68.33 (6.01)	0.8
<i>Agelas</i> sp.	1.321 (0.889)	< 0.001		0.8
<i>Aipysurus duboisii</i>	0.147 (0.147)	< 0.001		0.3
<i>Alepes</i> sp.	0.386 (0.386)	0.005 (0.005)	157.5 (4.79)	0.3
<i>Aliaporcellana suluensis</i>	0.003 (0.002)	0.025 (0.019)	5.21 (0.26)	0.5
<i>Alpheus</i> sp.	0.005 (0.003)	0.007 (0.005)	7.67 (0.67)	0.8
<i>Alutera monoceros</i>	0.166 (0.093)	0.002 (0.002)	182.5 (41.36)	1.1
<i>Ambiserrula jugosa</i>	4.607 (1.114)	0.064 (0.014)	166.35 (5.33)	7.3
<i>Amphimedon</i> sp.	4.391 (1.478)	< 0.001		3.5
<i>Amusium pleuronectes</i>	0.228 (0.115)	0.013 (0.007)	61.56 (1.2)	2.7
<i>Anacanthus barbatus</i>	0.051 (0.037)	0.003 (0.002)	212.5 (22.5)	0.5
<i>Anchisomus multistriatus</i>	99.537 (17.311)	0.075 (0.013)	283.61 (10.17)	12.5
<i>Anemone</i>	0.064 (0.064)	0.002 (0.002)	40 (5)	0.3
<i>Annachlamys flabellata</i>	240.593 (46.912)	9.936 (1.921)	53.33 (0.15)	37.5
<i>Antennarius hispidus</i>	0.22 (0.196)	0.006 (0.005)	70 (10)	0.5
<i>Antennarius nummifer</i>	0.005 (0.005)	0.002 (0.002)	30 (0)	0.3
<i>Antennarius striatus</i>	0.681 (0.342)	0.014 (0.007)	78.13 (6.74)	1.6
<i>Anthenea</i> sp.	1.697 (0.428)	0.04 (0.009)	109.35 (5.99)	7.3
<i>Apistus carinatus</i>	4.127 (0.718)	0.125 (0.021)	100.78 (1.25)	14.7
<i>Aplidium</i> sp.	3.845 (1.675)	0.004 (0.004)	60 (0)	3.3
<i>Aploactis aspera</i>	0.114 (0.053)	0.016 (0.007)	61.67 (8.72)	1.6
<i>Aplysia dactylomela</i>	2.85 (1.648)	0.013 (0.005)	104.38 (15.68)	1.9
<i>Aplysiniidae</i>	0.136 (0.136)	< 0.001		0.3
<i>Aplysinopsis</i> sp.	0.073 (0.073)	< 0.001		0.3
<i>Apogon brevicaudata</i>	3.96 (1.21)	0.145 (0.044)	83.84 (1.58)	9.2
<i>Apogon capricornis</i>	0.154 (0.06)	0.019 (0.007)	63.61 (1.45)	3
<i>Apogon cavitiensis</i>	0.047 (0.02)	0.02 (0.008)	40.56 (3.48)	2.2
<i>Apogon cf fuscomaculatus</i>	0.092 (0.034)	0.015 (0.006)	53.13 (0.91)	2.2
<i>Apogon cf semilineatus</i>	0.016 (0.016)	0.003 (0.003)	55 (0)	0.3
<i>Apogon ellioti</i>	0.08 (0.033)	0.006 (0.003)	79.29 (4)	1.9
<i>Apogon fasciatus</i>	0.016 (0.016)	0.001 (0.001)	75 (0)	0.3
<i>Apogon fuscomaculatus</i>	0.458 (0.14)	0.103 (0.031)	47.6 (1.46)	6
<i>Apogon nigripinis</i>	1.099 (0.214)	0.118 (0.021)	54.77 (1.43)	12.2
<i>Apogon poecilopterus</i>	0.333 (0.233)	0.049 (0.034)	56.3 (1.05)	1.1
<i>Apogon semilineatus</i>	0.165 (0.062)	0.022 (0.008)	58.53 (2.42)	3
<i>Apogon septemstriatus</i>	0.087 (0.032)	0.032 (0.01)	42.5 (2.4)	4.3
<i>Apogon</i> sp.	0.089 (0.035)	0.037 (0.016)	37.5 (1.37)	2.2
<i>Aptychotrema rostrata</i>	75.046 (12.736)	0.114 (0.015)	559.19 (10.68)	20.1
<i>Arca navicularis</i>	0.04 (0.04)	0.003 (0.003)	20 (0)	0.3
<i>Argyrops spinifer</i>	2.846 (1.493)	0.009 (0.003)	150.91 (18.3)	2.4

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Argyrosomus</i> sp.	20.058 (20.058)	0.001 (0.001)		0.3
<i>Arothron manillensis</i>	0.512 (0.512)	0.003 (0.003)	140 (0)	0.3
<i>Arothron stellatus</i>	22.958 (13.01)	0.009 (0.004)	212.5 (20.26)	1.6
<i>Arotrolepis filicauda</i>	0.333 (0.195)	0.015 (0.008)	78.85 (2.41)	1.4
<i>Ascidian QM 320250</i>	1.213 (1.213)	0.004 (0.004)	115 (23.63)	0.3
<i>Asterorhombus intermedius</i>	0.727 (0.195)	0.064 (0.018)	100.4 (3.3)	5.7
<i>Astropecten</i> sp.	0.498 (0.231)	0.053 (0.019)	75.87 (6.55)	5.2
<i>Atelomycterus cf fasciatus</i>	0.93 (0.804)	0.004 (0.003)	323.33 (67.1)	0.8
<i>Atergatopsis inskipensis</i>	0 (0)	0.002 (0.002)	11 (0)	0.3
<i>Axynissa</i> sp.	1.207 (0.761)	0.001 (0.001)		1.6
<i>Banareia serenei</i>	0.032 (0.032)	0.001 (0.001)	43 (0)	0.3
<i>Barbatia velata</i>	0.065 (0.061)	0.003 (0.002)	44 (28)	0.5
<i>Basket Star</i>	4.353 (1.606)	0.035 (0.009)	154.67 (19.57)	5.7
<i>Bathypilumnus nigrispinifer</i>	0.225 (0.131)	0.007 (0.003)	36.2 (5.96)	1.4
<i>Bathypilumnus pugilator</i>	0.227 (0.103)	0.032 (0.008)	19.7 (1.69)	5.4
<i>Batrachomeus trispinosus</i>	0.022 (0.015)	0.002 (0.002)	67.5 (7.5)	0.5
<i>Batrachomoeus dubius</i>	0.133 (0.068)	0.009 (0.005)	68.75 (4.27)	1.1
<i>Bohadschia marmorata</i>	24.133 (5.297)	0.084 (0.018)	190 (6.73)	10.9
<i>Bolma aureola</i>	0.219 (0.219)	0.001 (0.001)	95 (0)	0.3
<i>Brachaluteres taylori</i>	0.375 (0.106)	0.041 (0.011)	43.06 (2.26)	4.9
<i>Brittle star</i>	0.157 (0.05)	0.068 (0.02)	106.43 (10.2)	6.5
<i>Bufo naria rana</i>	0.089 (0.064)	0.004 (0.003)	55 (5)	0.5
<i>Calappa philargius</i>	0.283 (0.181)	0.002 (0.001)	98.75 (7.18)	1.1
<i>Calliactus</i> sp.	0.105 (0.081)	0.027 (0.021)	19.23 (1.59)	0.5
<i>Callionymus grossi</i>	0.1 (0.1)	0.002 (0.002)	180 (0)	0.3
<i>Callionymus japonicus</i>	1.02 (0.299)	0.028 (0.008)	164.41 (7.79)	4.1
<i>Callyspongia</i> sp.	139.698 (19.008)	< 0.001		24.2
<i>Carangoides malabaricus</i>	0.073 (0.062)	0.001 (0.001)	120 (6.89)	0.5
<i>Carangoides talamparoides</i>	0.255 (0.136)	0.003 (0.002)	126.25 (7.3)	1.4
<i>Carinosquilla australiensis</i>	0.145 (0.082)	0.008 (0.005)	27.25 (1.03)	1.1
<i>Carinosquilla carinata</i>	0.038 (0.038)	0.001 (0.001)	29 (0)	0.3
<i>Carpilius convexus</i>	0.001 (0.001)	< 0.001	20 (0)	0.3
<i>Caryjoa</i> sp.	0.005 (0.005)	< 0.001		0.3
<i>Centriscus scutatus</i>	0.02 (0.013)	0.004 (0.003)	152.5 (24.54)	0.8
<i>Centrogenys vaigiensis</i>	0.073 (0.062)	0.006 (0.004)	60 (15)	0.5
<i>Cephalopholis boenack</i>	0.022 (0.013)	0.007 (0.004)	48.33 (4.41)	0.8
<i>Ceratosoma cf cornigerum</i>	0.012 (0.012)	0.005 (0.005)	45 (0)	0.3
<i>Chaetodermis penicilligrus</i>	63.795 (6.634)	0.451 (0.042)	135.03 (2.22)	40.2
<i>Chaetodon aureofasciatus</i>	0.165 (0.165)	0.002 (0.002)	115 (0)	0.3
<i>Chaetodontoplus duboulayi</i>	0.544 (0.496)	0.003 (0.002)	113 (22.23)	1.1
<i>Chaetodontoplus meredithi</i>	6.742 (1.605)	0.065 (0.015)	116.83 (3.74)	7.1
<i>Charybdis feriatas</i>	8.543 (2.798)	0.019 (0.006)	131.36 (6.5)	3.5
<i>Charybdis jaubertensis</i>	1.383 (0.313)	0.041 (0.008)	48.52 (1.09)	7.3
<i>Charybdis natator</i>	14.589 (2.623)	0.078 (0.013)	91.79 (2.37)	14.9
<i>Charybdis truncata</i>	0.055 (0.034)	0.003 (0.002)	45.25 (2.06)	1.1
<i>Cheilostomida</i>	0.018 (0.018)	< 0.001		0.3
<i>Chelmon rostratus</i>	0.149 (0.149)	0.001 (0.001)	150 (0)	0.3
<i>Chiloscyllium punctatum</i>	5.771 (3.145)	0.005 (0.002)	621.8 (85.27)	1.4
<i>Chloeia</i> sp.	0.052 (0.052)	0.002 (0.002)	90 (0)	0.3
<i>Choerodon cephalotes</i>	38.884 (8.646)	0.226 (0.052)	165.57 (4.07)	14.7
<i>Choerodon sugillatum</i>	0.058 (0.052)	0.001 (0.001)	110 (0)	0.5
<i>Choerodon venustus</i>	9.497 (2.985)	0.061 (0.018)	158.65 (6.17)	4.6
<i>Clathria</i> sp.	0.335 (0.301)	< 0.001		0.5
<i>Cliona</i> sp.	2.703 (0.878)	0.004 (0.004)		3.3
<i>Cnemidocarpa</i> sp.	1.756 (0.493)	0.026 (0.009)	88.67 (8.04)	4.3

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Coccotropus</i> sp.	0.088 (0.065)	0.004 (0.003)	100 (0)	0.5
<i>Condominium</i> sp.	0.081 (0.081)	< 0.001		0.3
<i>Coradion altivelis</i>	0.591 (0.253)	0.017 (0.006)	78.21 (5.34)	2.4
<i>Coradion chrysozonus</i>	0.434 (0.194)	0.012 (0.004)	86.25 (6.53)	2.2
<i>Cottapistus cottoides</i>	0.05 (0.034)	0.004 (0.002)	68.33 (13.02)	0.8
<i>Ctenocella</i> sp.	0.187 (0.187)	< 0.001		0.3
<i>Culcita</i> sp.	4.916 (3.606)	0.003 (0.003)	282.5 (12.5)	0.5
<i>Cylichthys orbicularis</i>	0.346 (0.202)	0.005 (0.002)	67.86 (6.71)	1.6
<i>Cymbacephalus nematophthalmus</i>	0.196 (0.138)	0.002 (0.001)	230 (65)	0.5
<i>Cynoglossus</i> sp.	0.191 (0.097)	0.01 (0.005)	128 (4.06)	1.1
<i>Cypselurus</i> sp.	0.299 (0.299)	0.002 (0.002)	220 (0)	0.3
<i>Dactyloptena macracantha</i>	0.064 (0.045)	0.002 (0.001)	107.5 (2.5)	0.5
<i>Dactyloptena orientalis</i>	0.334 (0.173)	0.009 (0.005)	128.13 (12.99)	1.6
<i>Dactyloptena papilio</i>	1.508 (0.357)	0.044 (0.01)	97.65 (2.03)	8.2
<i>Dactylopus dactylopus</i>	0.207 (0.164)	0.004 (0.003)	123.33 (11.67)	0.5
<i>Dardanus arrosor</i>	0.026 (0.017)	0.003 (0.002)	17.67 (2.73)	0.8
<i>Dardanus callichela</i>	0.01 (0.01)	< 0.001	40 (0)	0.3
<i>Dardanus crassimanus</i>	0.006 (0.006)	0.001 (0.001)	15 (0)	0.3
<i>Dardanus hessii</i>	0.035 (0.025)	0.003 (0.002)	25 (0)	0.5
<i>Dardanus imbricatus</i>	0.015 (0.015)	0.001 (0.001)	29 (0)	0.3
<i>Dardanus</i> sp.	0.203 (0.137)	0.006 (0.003)	23 (2.89)	1.1
<i>Dascyllus trimaculatus</i>	0.71 (0.344)	0.016 (0.008)	88.89 (1.39)	1.9
<i>Dasyatis kuhlii</i>	44.665 (8.188)	0.062 (0.01)	277.02 (6.91)	13.6
<i>Dasyatis leylandi</i>	9.854 (1.766)	0.045 (0.008)	189.24 (6.67)	11.4
<i>Decapterus russellii</i>	0.639 (0.41)	0.008 (0.005)	167.5 (6.16)	1.1
<i>Dendrochirus brachypterus</i>	0.113 (0.082)	0.003 (0.002)	95 (10)	0.5
<i>Dendrochirus zebra</i>	0.284 (0.284)	0.005 (0.005)	115 (0)	0.3
<i>Dendrodoris tuberculosa</i>	0.022 (0.022)	< 0.001	90 (0)	0.3
<i>Dendronephthya</i> sp. A	1.564 (1.163)	< 0.001		1.1
<i>Dendronephthya</i> sp. B	0.038 (0.038)	< 0.001		0.3
<i>Dendronephthya</i> sp. C	0.147 (0.093)	< 0.001		0.8
<i>Dendronephthya</i> sp. D	0.557 (0.242)	< 0.001		1.9
<i>Dendronephthya</i> sp. E	0.125 (0.125)	< 0.001		0.3
<i>Dexillichthys mulleri</i>	0.488 (0.488)	0.001 (0.001)	260 (0)	0.3
<i>Diagramma pictum</i>	18.618 (7.194)	0.052 (0.015)	176.94 (12.53)	5.7
<i>Dictyopteris</i> sp.	0.085 (0.055)	< 0.001		1.1
<i>Didemnidae</i>	0.422 (0.242)	< 0.001		1.4
<i>Diodon holocanthus</i>	3.96 (1.653)	0.017 (0.007)	121.25 (7.43)	1.9
<i>Diploprion bifasciatum</i>	0.241 (0.231)	0.002 (0.002)	127.5 (17.5)	0.5
<i>Dolabella auricularia</i>	1.634 (0.516)	0.027 (0.007)	97.35 (8.8)	4.9
<i>Dorippe quadridens</i>	0.031 (0.031)	0.002 (0.002)	32 (0)	0.3
<i>Dromia dehaani</i>	0.134 (0.083)	0.003 (0.002)	42 (1.15)	0.8
<i>Dromidiopsis australiensis</i>	1.068 (0.618)	0.007 (0.004)	65.17 (9.5)	1.6
<i>Dromidiopsis edwardsi</i>	0.05 (0.033)	0.005 (0.003)	22.67 (4.37)	0.8
<i>Dysidea</i> sp.	16.89 (3.736)	0.002 (0.002)		10.3
<i>Echinodactylum</i> sp.	0.07 (0.07)	< 0.001		0.3
<i>Eklonia radiata</i>	0.182 (0.11)	< 0.001		1.9
<i>Ellisellidae</i>	0.018 (0.018)	< 0.001		0.3
<i>Engyprosopon grandisquama</i>	3.686 (0.53)	0.288 (0.042)	95.74 (1.25)	22
<i>Engyprosopon macroptera</i>	0.309 (0.22)	0.006 (0.004)	156.67 (6.54)	0.8
<i>Engyprosopon</i> sp.	0.059 (0.059)	0.001 (0.001)	160 (0)	0.3
<i>Epinephelus coioides</i>	4.457 (4.457)	< 0.001		0.3
<i>Epinephelus sexfasciatus</i>	0.042 (0.042)	0.001 (0.001)	110 (0)	0.3
<i>Epinephelus</i> sp.	6.686 (6.686)	0.001 (0.001)		0.3
<i>Erosa erosa</i>	4.964 (0.925)	0.156 (0.025)	67.86 (1.9)	16

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Erugosquilla woodmasoni</i>	0.042 (0.042)	0.001 (0.001)	33 (0)	0.3
<i>Euprymna</i> sp. C	0.023 (0.014)	0.004 (0.002)	23.33 (1.67)	0.8
<i>Euprymna tasmanica</i>	0.033 (0.02)	0.005 (0.003)	23.33 (4.41)	0.8
<i>Euretaster insignis</i>	0.701 (0.272)	0.015 (0.006)	105 (6.4)	3
<i>Euristhmus nudiceps</i>	0.134 (0.134)	0.001 (0.001)	275 (0)	0.3
<i>Eurypegasmus draconis</i>	0.007 (0.007)	0.001 (0.001)	70 (0)	0.3
<i>Fistularia commersonii</i>	0.115 (0.115)	0.002 (0.002)	500 (0)	0.3
<i>Fistularia petimba</i>	0.261 (0.121)	0.007 (0.003)	404 (14.09)	1.4
<i>Fraudella carassiope</i>	0.043 (0.012)	0.034 (0.009)	32.25 (1.97)	4.3
<i>Fungia</i> sp.	0.026 (0.026)	0.003 (0.003)	35 (0)	0.3
<i>Galathea</i> sp.	0.011 (0.011)	0.067 (0.067)	5.78 (0.21)	0.3
<i>Galearctus timidus</i>	0.019 (0.019)	0.001 (0.001)	25 (0)	0.3
<i>Gerres subfasciatus</i>	0.029 (0.029)	< 0.001	150 (0)	0.3
<i>Gloripallium pallium</i>	0.049 (0.049)	0.002 (0.002)	51 (0)	0.3
<i>Gonodactylaceus graphurus</i>	0.162 (0.04)	0.061 (0.015)	11.86 (0.81)	6.5
<i>Gorgonian QM 320226</i>	0.212 (0.212)	< 0.001		0.3
<i>Grammatobothus polyophthalmus</i>	16.746 (2.031)	0.302 (0.036)	167.48 (1.34)	31.8
<i>Gymnocranius audleyi</i>	23.199 (4.776)	0.335 (0.078)	122.4 (1.94)	15.8
<i>Gymnothorax cribroris</i>	0.158 (0.097)	0.004 (0.003)	265 (7.64)	0.8
<i>Gymnothorax</i> sp.	0.233 (0.19)	0.003 (0.002)	380 (90)	0.5
<i>Gymnothorax undulatus</i>	0.076 (0.076)	0.001 (0.001)	325 (0)	0.3
<i>Gymnura australis</i>	5.351 (3.782)	0.002 (0.001)	584.67 (80.39)	0.8
<i>Halimeda</i> sp.	0.523 (0.223)			4.6
<i>Halophila ovalis</i>	0.002 (0.002)			0.3
<i>Halophila spinulosa</i>	31.319 (9.343)			25.3
<i>Haploloachlaena cf maculosa</i>	0.017 (0.017)	0.002 (0.002)	25 (0)	0.3
<i>Harpisquilla melanoura</i>	0.105 (0.105)	0.001 (0.001)	46 (0)	0.3
<i>Hemigaleus australiensis</i>	0.444 (0.444)	0.001 (0.001)	519 (0)	0.3
<i>Heniochus diphreutes</i>	0.639 (0.436)	0.011 (0.007)	92.5 (5.2)	1.1
<i>Herdmania</i> sp.	34.05 (15.627)	0.351 (0.178)	96.46 (3.95)	8.2
<i>Himantura</i> sp. A	48.701 (47.762)	0.002 (0.001)	274 (0)	0.8
<i>Himantura toshi</i>	8.119 (8.119)	0.001 (0.001)	645 (0)	0.3
<i>Himantura undulata</i>	38.205 (38.205)	0.001 (0.001)	1330 (0)	0.3
<i>Hippospongia elastica</i>	0.661 (0.401)	0.001 (0.001)		0.8
<i>Hippospongia</i> sp.	1.274 (0.668)	0.001 (0.001)		1.4
<i>Holothuria edulus</i>	0.487 (0.373)	0.001 (0)	282.5 (47.5)	0.5
<i>Holothuria fuscogliva</i>	22.542 (8.771)	0.022 (0.008)	298.33 (7.77)	2.4
<i>Holothuria ocellata</i>	19.161 (3.461)	0.133 (0.023)	168.56 (3.54)	16.8
<i>Holothurian 117</i>	0.024 (0.024)	0.001 (0.001)	55 (0)	0.3
<i>Holothurian 3</i>	0.083 (0.083)	0.003 (0.003)	80 (0)	0.3
<i>Holothurian</i> sp.	3.106 (1.934)	0.02 (0.008)	132.78 (30.96)	2.7
<i>Holothurian</i> sp. 119	0.061 (0.061)	0.001 (0.001)		0.3
<i>Holothurian</i> sp. 3	0.194 (0.088)	0.006 (0.003)	80.45 (3.84)	1.6
<i>Holothurian</i> sp. 5	0.046 (0.046)	0.002 (0.002)	75 (0)	0.3
<i>Holothurian</i> sp. 50	0.002 (0.002)	< 0.001	50 (0)	0.3
<i>Holothurian</i> sp. A	0.003 (0.003)	< 0.001		0.3
<i>Holothurian</i> sp. B	0.018 (0.018)	0.001 (0.001)	50 (0)	0.3
<i>Holothurian</i> sp. D	4.866 (2.879)	0.005 (0.003)	266.67 (8.82)	0.8
<i>Holothurian</i> sp. J	0.839 (0.663)	0.008 (0.005)	130 (70)	0.8
<i>Holothurian</i> sp. K	0.025 (0.025)	0.003 (0.003)	45 (0)	0.3
<i>Holothurian</i> sp. L	0.76 (0.469)	0.005 (0.003)	250 (36.06)	0.8
<i>Holothurian</i> sp. V	6.924 (1.999)	0.061 (0.019)	157.32 (6.02)	5.2
<i>Holothurian</i> sp. W	0.217 (0.217)	0.001 (0.001)	105 (0)	0.3
<i>Holothurian</i> sp. Y	0.041 (0.041)	< 0.001	75 (0)	0.3
<i>Hyastenus campbelli</i>	0.049 (0.047)	0.004 (0.003)	21 (2.92)	0.8

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Hyastenus diacanthus</i>	0.18 (0.105)	0.013 (0.005)	24.5 (3.64)	2.2
<i>Hydatina albocincta</i>	0.065 (0.065)	0.001 (0.001)	50 (0)	0.3
<i>Hytissa hyotis</i>	1.937 (1.696)	0.005 (0.005)	55.33 (10.65)	0.5
<i>Hypodistoma deerratum</i>	1.171 (0.575)	0.003 (0.002)	142.5 (22.5)	1.6
<i>Ianthella</i> sp.	1.273 (1.146)	< 0.001		0.5
<i>Ichthyscopus sannio</i>	4.399 (1.711)	0.033 (0.009)	125.56 (7.08)	4.6
<i>Iconaster longimanus</i>	0.035 (0.028)	0.002 (0.002)	145 (5)	0.5
<i>Inegocia harrisii</i>	0.343 (0.267)	0.003 (0.002)	187.5 (27.5)	0.5
<i>Inegocia japonica</i>	2.149 (0.822)	0.031 (0.011)	158.46 (8.52)	2.7
<i>Inimicus caledonicus</i>	127.421 (16.551)	1.461 (0.191)	129.99 (1.21)	47.6
<i>Ircinia</i> sp.	9.255 (2.864)	0.003 (0.003)		4.6
<i>Jonas leuteanus</i>	0.024 (0.02)	0.002 (0.001)	31 (4.04)	0.8
<i>Lactoria cornuta</i>	2.254 (1.011)	0.013 (0.005)	146.88 (16.14)	1.9
<i>Laevicardium attenuatum</i>	0.169 (0.148)	0.004 (0.003)	60 (20)	0.5
<i>Lagocephalus scleratus</i>	4.189 (3.133)	0.01 (0.004)	176.67 (31.89)	2.4
<i>Lepidotrigla argus</i>	5.835 (1.102)	0.222 (0.041)	98.16 (0.9)	13.6
<i>Lepidotrigla cf japonica</i>	1.684 (0.52)	0.067 (0.02)	100.25 (1.51)	7.6
<i>Lepidotrigla umbrosa</i>	0.51 (0.168)	0.021 (0.007)	97.5 (1.99)	3.5
<i>Lethrinus genivittatus</i>	192.083 (25.269)	2.669 (0.343)	131.77 (0.99)	47
<i>Leucosia magna</i>	0.017 (0.017)	0.001 (0.001)	28 (0)	0.3
<i>Liagore rubromaculata</i>	0.038 (0.038)	0.003 (0.003)	32 (1)	0.3
<i>Lima lima vulgaris</i>	0.021 (0.02)	0.004 (0.004)	23.5 (8.5)	0.5
<i>Liocranium praepositum</i>	0.555 (0.187)	0.026 (0.009)	80.94 (3.17)	3.5
<i>Lisocarcinus orbicularis</i>	0 (0)	0.001 (0.001)	10 (0)	0.3
<i>Lissocarcinus polybioides</i>	0 (0)	< 0.001	21 (0)	0.3
<i>Lobophora</i> sp.	19.819 (9.144)	< 0.001		14.9
<i>Lophozozymus pictor</i>	0.116 (0.116)	0.001 (0.001)	74 (0)	0.3
<i>Lovenia</i> sp.	0.242 (0.242)	0.006 (0.006)	60 (0)	0.3
<i>Loxodon macrorhinus</i>	1.433 (1.433)	0.001 (0.001)	800 (0)	0.3
<i>Luidia maculata</i>	2.761 (0.808)	0.021 (0.006)	271.07 (28.63)	5.4
<i>Luidia</i> sp.	0.014 (0.014)	0.001 (0.001)	125 (0)	0.3
<i>Lupocyclus rotundatus</i>	1.499 (0.604)	0.051 (0.017)	41.36 (0.85)	7.1
<i>Lutjanus adetti</i>	6.712 (3.03)	0.051 (0.02)	162.59 (6.6)	3.3
<i>Lutjanus argentimaculatus</i>	6.686 (6.686)	0.001 (0.001)		0.3
<i>Lutjanus erythropterus</i>	0.272 (0.272)	0.002 (0.002)	160 (0)	0.3
<i>Lutjanus malabaricus</i>	0.053 (0.04)	0.002 (0.001)	102 (6.44)	0.8
<i>Lutjanus sebae</i>	0.466 (0.231)	0.007 (0.003)	127 (3.89)	1.4
<i>Lutjanus vittus</i>	5.783 (2.827)	0.036 (0.015)	169.44 (11.06)	2.7
<i>Matuta granulosa</i>	0.279 (0.132)	0.005 (0.003)	64.11 (1.45)	1.4
<i>Matuta inermis</i>	0.219 (0.123)	0.009 (0.005)	34.9 (0.84)	1.4
<i>Melaxinaea vitrea</i>	0.004 (0.003)	0.003 (0.002)	18.5 (3.5)	0.5
<i>Melithaeidae</i>	0.004 (0.004)	< 0.001		0.3
<i>Melo amphora</i>	0.316 (0.316)	0.001 (0.001)	140 (0)	0.3
<i>Metapenaeopsis lamellata</i>	0.154 (0.064)	0.028 (0.011)	15.22 (1.13)	2.7
<i>Metapenaeopsis mogiensis</i>	0.559 (0.136)	0.093 (0.025)	17.85 (0.46)	7.6
<i>Metapenaeopsis palmensis</i>	0.949 (0.235)	0.163 (0.039)	17.34 (0.38)	13.6
<i>Metapenaeopsis rosea</i>	1.265 (0.363)	0.113 (0.03)	22.54 (0.55)	9.5
<i>Metasepia pfefferi</i>	0.952 (0.263)	0.029 (0.008)	42.78 (2.53)	4.6
<i>Microcanthus strigatus</i>	0.097 (0.069)	0.002 (0.002)	90 (10)	0.5
<i>Microcionidae</i>	0.596 (0.54)	< 0.001		0.5
<i>Microcosmos</i> sp.	0.267 (0.175)	0.007 (0.004)	37 (0)	1.1
<i>Mimachlamys gloriosa</i>	0.27 (0.171)	0.006 (0.004)	67.43 (3.05)	1.1
<i>Mimachlamys senatoria</i>	0.22 (0.119)	0.006 (0.003)	60.33 (6.5)	1.4
<i>Minous trachycephalus</i>	0.058 (0.032)	0.004 (0.002)	65 (2.74)	1.4
<i>Minous versicolor</i>	0.567 (0.196)	0.021 (0.007)	81.67 (4.04)	3.8

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Mollusc egg mass</i>	0.823 (0.42)	0.009 (0.004)		1.9
<i>Monacanthus chinensis</i>	0.214 (0.121)	0.008 (0.004)	83.33 (8.72)	1.4
<i>Nebrius ferrugineus</i>	1.173 (1.173)	0.001 (0.001)	570 (0)	0.3
<i>Nemipterus furcosus</i>	0.871 (0.838)	0.002 (0.002)	205 (65)	0.5
<i>Nemipterus peronii</i>	0.03 (0.03)	< 0.001	170 (0)	0.3
<i>Nemipterus theodorei</i>	107.769 (16.513)	1.075 (0.16)	152.28 (0.85)	41
<i>Nemocardium lyratum</i>	0.051 (0.051)	0.001 (0.001)	56 (0)	0.3
<i>Nephtya</i> sp.	0.225 (0.225)	< 0.001		0.3
<i>Nephtya</i> sp. 1	1.631 (0.429)	0.006 (0.004)		7.9
<i>Nephtya</i> sp. 2	6.279 (3.105)	< 0.001		3.3
<i>Nephtya</i> sp. 3	0.014 (0.014)	0.001 (0.001)		0.3
<i>Nephtya</i> sp. 4	7.175 (1.534)	0.006 (0.003)		10.9
<i>Nephtya</i> sp. 5	0.383 (0.272)	< 0.001		0.8
<i>Nephtya</i> sp. 6	0.063 (0.063)	< 0.001		0.3
<i>Niphates</i> sp.	1.104 (1.027)	< 0.001		0.8
<i>Niphatidae</i>	1.637 (1.566)	< 0.001		0.5
<i>Octopus exannulatus</i>	1.076 (0.398)	0.027 (0.009)	36.67 (1.55)	3
<i>Ommatocarcinus macgilvrayi</i>	0.005 (0.005)	0.001 (0.001)	29 (0)	0.3
<i>Onigocia macrolepis</i>	0.228 (0.155)	0.027 (0.017)	71.54 (2.22)	2.2
<i>Onigocia spinosa</i>	0.06 (0.046)	0.007 (0.005)	68.33 (7.26)	0.8
<i>Oratosquilla quinquentata</i>	0.009 (0.009)	< 0.001	41 (0)	0.3
<i>Oratosquilla stephensoni</i>	0.112 (0.082)	0.003 (0.002)	35 (5)	0.5
<i>Ostracion nasus</i>	11.938 (2.805)	0.058 (0.012)	154.32 (10.29)	9
<i>Oxycheilinus bimaculatus</i>	0.065 (0.065)	0.002 (0.002)	100 (0)	0.3
<i>Pagrus auratus</i>	0.784 (0.608)	0.004 (0.003)	180 (20)	0.5
<i>Paracentropogon vespa</i>	0.03 (0.03)	0.001 (0.001)	85 (0)	0.3
<i>Parachaetodon ocellatus</i>	0.047 (0.036)	0.001 (0)	88.33 (14.24)	0.8
<i>Parahyotissa imbricata</i>	0.03 (0.03)	0.002 (0.002)	65 (0)	0.3
<i>Parahyotissa numisma</i>	0.001 (0.001)	0.002 (0.002)	18 (0)	0.3
<i>Paramonacanthus japonicus</i>	0.055 (0.055)	0.002 (0.002)	90 (0)	0.3
<i>Paramonacanthus lowei</i>	22.251 (3.047)	0.529 (0.077)	103.25 (1.14)	28.8
<i>Paramonacanthus otisensis</i>	22.479 (2.65)	0.92 (0.106)	89.4 (0.75)	45.1
<i>Paramonacanthus</i> sp.	0.007 (0.007)	0.001 (0.001)	65 (0)	0.3
<i>Parapercis clathrata</i>	0.061 (0.061)	0.002 (0.002)	120 (0)	0.3
<i>Parapercis nebulosa</i>	2.379 (0.69)	0.023 (0.006)	179.67 (7.58)	4.1
<i>Paraploactis kagoshimensis</i>	0.263 (0.128)	0.014 (0.007)	80.71 (4.29)	1.6
<i>Parapriacanthus ransonneti</i>	0.077 (0.031)	0.015 (0.006)	56.88 (1.88)	2.2
<i>Parthenope longimanus</i>	0.03 (0.029)	0.003 (0.003)	29 (3)	0.5
<i>Parupeneus heptacanthus</i>	1.125 (0.462)	0.009 (0.003)	162.14 (8.85)	1.9
<i>Pedina</i> sp.	10.919 (3.731)	< 0.001		10.3
<i>Pelates quadrilineatus</i>	0.026 (0.018)	0.001 (0.001)	110 (0)	0.5
<i>Pentacera</i> sp.	101.451 (10.681)	0.797 (0.087)	157.33 (1.75)	40.8
<i>Pentacta anceps</i>	0.518 (0.36)	0.01 (0.004)	66.56 (11.38)	2.4
<i>Pentapodus nagasakiensis</i>	5.563 (1.404)	0.214 (0.054)	105.61 (1.3)	7.1
<i>Pentapodus paradiseus</i>	24.453 (6.063)	0.222 (0.047)	157.52 (2.91)	15.8
<i>Peronella</i> sp.	13.467 (2.709)	0.158 (0.028)	121.9 (2.56)	16
<i>Petrarctus demani</i>	1.129 (0.228)	0.066 (0.013)	27.15 (0.51)	8.7
<i>Petroscirtes lupus</i>	0.007 (0.007)	0.001 (0.001)	105 (0)	0.3
<i>Phalium bandatum</i>	0.021 (0.021)	< 0.001	90 (0)	0.3
<i>Phallusia millari</i>	0.629 (0.39)	0.007 (0.003)	99 (6.96)	2.2
<i>Philine angasi</i>	0.114 (0.095)	0.004 (0.003)	75 (25)	0.5
<i>Phorospongidae</i>	0.276 (0.276)	< 0.001		0.3
<i>Photololigo</i> sp.	1.123 (0.386)	0.015 (0.005)	118.44 (6.34)	3.3
<i>Picrocerus armatus</i>	0.425 (0.295)	0.016 (0.01)	34.33 (4.06)	1.6
<i>Pilumnus hirsutus</i>	0.006 (0.004)	0.009 (0.007)	11.33 (0.95)	0.8

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Pilumnus</i> sp. 1	0.025 (0.025)	0.004 (0.004)	26 (0)	0.3
<i>Pinctada albina</i>	0.016 (0.016)	0.001 (0.001)	48 (0)	0.3
<i>Platax teira</i>	1.764 (0.587)	0.02 (0.006)	102.67 (4.97)	4.1
<i>Platycephalus arenarius</i>	0.517 (0.276)	0.005 (0.002)	238.75 (25.2)	1.4
<i>Platycephalus endrachtensis</i>	0.089 (0.089)	< 0.001	375 (0)	0.3
<i>Plotosus lineatus</i>	0.282 (0.282)	0.006 (0.006)	186.67 (6.01)	0.3
<i>Polycarpa</i> sp.	46.105 (12.655)	0.457 (0.132)	93.04 (4.66)	15.5
<i>Polychaete Tubes Empty</i>	0.047 (0.047)	< 0.001		0.3
<i>Polyclinidae</i>	0.524 (0.524)	< 0.001		0.3
<i>Portunus argentatus</i>	0.098 (0.037)	0.017 (0.007)	36.76 (0.66)	3
<i>Portunus gladiator</i>	0.144 (0.144)	0.003 (0.003)	73 (0)	0.3
<i>Portunus gracilimanus</i>	0.049 (0.023)	0.007 (0.004)	35.95 (1.01)	1.9
<i>Portunus haanii</i>	0.668 (0.28)	0.026 (0.01)	58.63 (2.22)	2.7
<i>Portunus orbitosinus</i>	0.008 (0.008)	0.001 (0.001)	32 (0)	0.3
<i>Portunus pelagicus</i>	270.661 (22.169)	1.315 (0.112)	134.34 (0.64)	63.6
<i>Portunus rubromarginatus</i>	319.238 (37.74)	11.979 (1.581)	51.83 (0.12)	75
<i>Portunus sanguinolentus</i>	25.301 (5.598)	0.293 (0.065)	115.57 (0.75)	13.9
<i>Portunus tenuipes</i>	0.884 (0.252)	0.064 (0.018)	46.54 (0.83)	6.5
<i>Priacanthus macracanthus</i>	1.821 (0.689)	0.016 (0.005)	154.64 (10.45)	3.3
<i>Priacanthus tayenus</i>	0.498 (0.213)	0.01 (0.004)	104.83 (3.25)	1.9
<i>Priolepis</i> sp.	0.002 (0.002)	0.003 (0.003)	27.5 (2.5)	0.3
<i>Prionocidaris</i> sp.	0.116 (0.07)	0.005 (0.003)	37.33 (1.45)	0.8
<i>Pristotis jerdoni</i>	26.985 (4.077)	1.726 (0.256)	75.49 (0.31)	42.1
<i>Psettodes erumei</i>	0.042 (0.042)	< 0.001	255 (0)	0.3
<i>Pseudochromis quinquedentatus</i>	0.029 (0.014)	0.007 (0.003)	54.17 (5.07)	1.6
<i>Pseudochromis</i> sp.	0.01 (0.004)	0.005 (0.002)	36.36 (1.66)	2.2
<i>Pseudocolochirus axiologus</i>	1.021 (0.582)	0.004 (0.002)	122.14 (9.63)	1.4
<i>Pseudomonacanthus elongatus</i>	1.231 (0.62)	0.024 (0.012)	122.27 (9.78)	1.6
<i>Pseudomonacanthus peroni</i>	46.981 (6.621)	0.196 (0.024)	191.73 (4.31)	21.7
<i>Pseudorhombus argus</i>	0.362 (0.29)	0.003 (0.002)	230 (0)	0.5
<i>Pseudorhombus arsius</i>	0.087 (0.087)	< 0.001	260 (0)	0.3
<i>Pseudorhombus diplospilus</i>	5.171 (1.658)	0.024 (0.006)	271 (13.07)	4.9
<i>Pseudorhombus dupliciocellatus</i>	19.201 (2.815)	0.212 (0.028)	188.89 (2.49)	24.5
<i>Pseudorhombus elevatus</i>	1.345 (0.408)	0.043 (0.013)	138.96 (1.47)	6.8
<i>Pseudorhombus jenynsii</i>	5.006 (1.393)	0.028 (0.008)	240.83 (5.72)	4.6
<i>Pseudorhombus quinquocellatus</i>	0.535 (0.405)	0.002 (0.002)	257.5 (27.5)	0.5
<i>Pseudorhombus spinosus</i>	21.842 (2.613)	0.273 (0.034)	205.5 (2.25)	32.3
<i>Pteria lata</i>	0.013 (0.013)	0.001 (0.001)	86 (0)	0.3
<i>Pterocaesio diagramma</i>	0.059 (0.059)	0.002 (0.002)	125 (0)	0.3
<i>Pteroeides</i> sp.	0.345 (0.126)	0.018 (0.006)	81.88 (9.11)	2.7
<i>Pterois volitans</i>	1.179 (0.488)	0.015 (0.005)	137.73 (16.4)	3
<i>Quollastria gonypetes</i>	0.031 (0.031)	0.001 (0.001)	32 (0)	0.3
<i>Ranella australasia</i>	0.005 (0.005)	0.002 (0.002)	20 (0)	0.3
<i>Ranina ranina</i>	1.127 (0.738)	0.007 (0.005)	67 (2.57)	1.1
<i>Rapana rapiformis</i>	0.012 (0.012)	0.001 (0.001)	40 (0)	0.3
<i>Rhinobatos typus</i>	0.242 (0.242)	0.003 (0.003)	297.5 (17.5)	0.3
<i>Rhynchobatus australiae</i>	12.985 (4.502)	0.009 (0.003)	628.25 (27.56)	3.5
<i>Rogadius patriciae</i>	0.927 (0.356)	0.018 (0.006)	134.75 (7.3)	3.5
<i>Samaris cristatus</i>	0.138 (0.138)	0.004 (0.004)	160 (0)	0.3
<i>Sand ascidian</i>	1.084 (0.645)	< 0.001		1.4
<i>Sarcophyton</i> sp.	1.027 (0.725)	< 0.001		0.5
<i>Sargassum racamosa</i>	10.544 (4.719)			13.6
<i>Sargassum</i> sp.	0.134 (0.114)			0.8
<i>Sargocentron rubrum</i>	5.393 (2.431)	0.018 (0.008)	189 (6.57)	2.2
<i>Saurida grandisquamis</i>	94.835 (13.31)	0.351 (0.038)	291.34 (4.34)	34.2

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Saurida micropectoralis</i>	1.782 (1.688)	0.002 (0.002)	325 (95)	0.5
<i>Scaechlamys livida</i>	0.003 (0.002)	0.005 (0.004)	13.67 (0.88)	0.5
<i>Scleractinia</i>	2.274 (1.014)	< 0.001		2.2
<i>Scolopsis monogramma</i>	8.588 (4.27)	0.029 (0.012)	202.69 (11.35)	2.7
<i>Scorpaena cardinalis</i>	1.475 (0.743)	0.013 (0.006)	134.38 (8.1)	1.9
<i>Scyllarus</i> sp. A	0.004 (0.004)	0.002 (0.002)	11 (0)	0.3
<i>Scyphozoa</i>	3.026 (2.19)	0.005 (0.002)		1.1
<i>Sea pen</i>	0.323 (0.114)	0.009 (0.003)	131.56 (11.33)	3.5
<i>Sea star</i>	0.004 (0.004)	< 0.001	90 (0)	0.3
<i>Sea star 10</i>	0.202 (0.186)	0.003 (0.002)	117.5 (67.5)	0.5
<i>Sea star 12</i>	0.048 (0.033)	0.006 (0.004)	73.33 (9.28)	0.8
<i>Sea star 13</i>	0.021 (0.021)	0.001 (0.001)	90 (0)	0.3
<i>Sea star 3</i>	0.099 (0.045)	0.009 (0.004)	125.71 (21)	1.9
<i>Sea star KD</i>	0.027 (0.021)	0.002 (0.001)	122.5 (27.5)	0.5
<i>Sea Urchin</i>	0.179 (0.132)	0.003 (0.002)	91 (24.16)	1.1
<i>Sea Urchin 13</i>	0.222 (0.222)	0.002 (0.002)	70 (0)	0.3
<i>Sea Urchin 15</i>	0.096 (0.096)	0.001 (0.001)	80 (0)	0.3
<i>Sea Urchin 250</i>	0.005 (0.005)	0.001 (0.001)	25 (0)	0.3
<i>Sea Urchin 3</i>	50.644 (12.152)	0.488 (0.108)	66.64 (1.13)	19
<i>Sea Urchin 6</i>	1.645 (0.458)	0.091 (0.031)	39.84 (1.32)	7.1
<i>Sea Urchin 84</i>	1.9 (0.777)	0.021 (0.007)	115.67 (7.1)	2.7
<i>Selar crumenophthalmus</i>	0.01 (0.01)	0.001 (0.001)	70 (0)	0.3
<i>Selaroides leptolepis</i>	1.699 (1.16)	0.025 (0.016)	148.08 (3.74)	1.9
<i>Sepia eliptica</i>	0.01 (0.01)	< 0.001	60 (0)	0.3
<i>Sepia opipara</i>	0.9 (0.464)	0.017 (0.009)	73.93 (4)	1.4
<i>Sepia papuensis</i>	12.165 (1.809)	0.421 (0.058)	61.15 (0.79)	26.1
<i>Sepia pharaonis</i>	0.032 (0.032)	< 0.001	120 (0)	0.3
<i>Sepia plangon</i>	29.738 (4.183)	0.552 (0.08)	79.85 (0.96)	28.5
<i>Sepia smithi</i>	0.973 (0.623)	0.011 (0.007)	85.36 (3.83)	2.2
<i>Sepia</i> sp.	0.005 (0.005)	< 0.001	40 (0)	0.3
<i>Sepia whitleyana</i>	10.056 (2.459)	0.067 (0.013)	94.86 (1.98)	12
<i>Sepioloidea lineolata</i>	0.033 (0.021)	0.006 (0.004)	20 (0)	0.8
<i>Serenolumnus kasijani</i>	0.002 (0.001)	0.005 (0.004)	7.25 (0.63)	0.8
<i>Seriolina nigrofasciata</i>	3.539 (2.309)	0.007 (0.004)	267.5 (21.46)	1.1
<i>Shark egg case</i>	0.04 (0.04)	< 0.001		0.3
<i>Sicyonia cristata</i>	0.064 (0.038)	0.011 (0.005)	15 (1.53)	1.4
<i>Siganus fuscescens</i>	27.104 (4.63)	0.524 (0.101)	124.29 (1.7)	24.7
<i>Sillago robusta</i>	0.354 (0.215)	0.006 (0.004)	160.83 (4.36)	1.1
<i>Solegnathus hardwickii</i>	0.018 (0.018)	< 0.001	380 (0)	0.3
<i>Soleichthys heterorhinos</i>	0.491 (0.202)	0.021 (0.009)	130 (2.76)	2.2
<i>Sorsogona tuberculata</i>	0.34 (0.118)	0.02 (0.007)	96.11 (3.83)	3.5
<i>Sphenopus marsupialus</i>	0.951 (0.307)	0.032 (0.011)	56.9 (3.08)	4.1
<i>Sphyræna flavicauda</i>	0.511 (0.413)	0.003 (0.002)	280 (25)	0.5
<i>Spirastrella</i> sp.	3.964 (2.984)	< 0.001		0.5
<i>Spondylus imperialis</i>	0.347 (0.141)	0.023 (0.011)	38.67 (3.14)	1.9
<i>Spondylus</i> sp.	0.626 (0.31)	0.013 (0.005)	59.88 (5.71)	1.9
<i>Sponge Porifera</i>	4258.322 (503.173)	0.11 (0.008)		47
<i>Sponge QM 320240</i>	0.427 (0.427)			0.3
<i>Sponge QM 320241</i>	0.186 (0.186)			0.3
<i>Sponge QM 320243</i>	0.397 (0.397)			0.3
<i>Sponge QM 320246</i>	1.371 (1.371)			0.3
<i>Sponge QM 320247</i>	1.753 (1.753)			0.3
<i>Sponge QM 320248</i>	0.997 (0.997)			0.3
<i>Spongia</i> sp.	1.374 (1.28)			0.8
<i>Stellaster equestris</i>	4.238 (1.256)	0.109 (0.032)	111 (2.41)	9.5

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Stellaster</i> sp.	0.13 (0.1)	0.002 (0.001)	150 (20)	0.5
<i>Stichopus</i> sp.	30.196 (6.752)	0.139 (0.021)	227.1 (8.89)	19.8
<i>Styela</i> sp.	0.009 (0.009)	0.001 (0.001)	35 (0)	0.3
<i>Stylocheilus longicauda</i>	0.037 (0.037)	0.003 (0.003)	57.5 (2.5)	0.3
<i>Subergorgia</i> sp.	0.022 (0.022)	< 0.001		0.3
<i>Suezichthys gracilis</i>	0.088 (0.044)	0.016 (0.008)	67 (4.06)	1.1
<i>Suggrundus japonicus</i>	1.915 (1.039)	0.026 (0.014)	161.67 (7.55)	1.4
<i>Suggrundus macracanthus</i>	0.018 (0.016)	0.001 (0.001)	90 (25)	0.5
<i>Synalpheus stimpsoni</i>	0.001 (0.001)	0.002 (0.002)	8 (0)	0.3
<i>Synchiropus rameus</i>	0.158 (0.084)	0.008 (0.004)	106.25 (17.49)	1.1
<i>Synodus hoshinonis</i>	0.421 (0.19)	0.014 (0.006)	134.29 (9.41)	1.9
<i>Synodus sageneus</i>	0.481 (0.336)	0.008 (0.005)	155 (50.58)	0.8
<i>Synodus variegatus</i>	0.12 (0.12)	0.001 (0.001)	170 (0)	0.3
<i>Tamaria</i> sp.	0.116 (0.082)	0.005 (0.003)	106.67 (18.56)	0.8
<i>Tathicarpus butleri</i>	0.325 (0.14)	0.015 (0.006)	65 (4.72)	1.9
<i>Tetrosomus concatenatus</i>	2.077 (0.889)	0.023 (0.006)	109.17 (12.65)	4.9
<i>Thalamita intermedia</i>	0.128 (0.071)	0.012 (0.006)	33.83 (2.02)	1.6
<i>Thalamita sima</i>	3.381 (1.336)	0.228 (0.084)	39.95 (0.72)	6
<i>Thalamita</i> sp. A	0.095 (0.076)	0.006 (0.005)	39.75 (2.06)	0.8
<i>Thenus indicus</i>	0.279 (0.109)	0.007 (0.003)	43 (2.47)	2.4
<i>Thenus orientalis</i>	14.045 (3.171)	0.059 (0.012)	69.02 (2.92)	9.2
<i>Thorectandra</i> sp.	0.106 (0.106)	< 0.001		0.3
<i>Thysanophrys chiltonae</i>	0.014 (0.014)	0.001 (0.001)	135 (0)	0.3
<i>Tonna tetracotula</i>	0.092 (0.092)	0.001 (0.001)	80 (0)	0.3
<i>Torquigener pallimaculatus</i>	20.041 (2.149)	0.565 (0.064)	91.87 (1.13)	35.6
<i>Torquigener perlevis</i>	4.178 (1.108)	0.044 (0.011)	128 (3.94)	5.7
<i>Trachinocephalus myops</i>	10.269 (1.975)	0.085 (0.015)	182.01 (3.79)	12.2
<i>Trachypenaeus anchoralis</i>	0.047 (0.047)	0.011 (0.011)	14.33 (0.33)	0.3
<i>Trachypenaeus curvirostris</i>	0.475 (0.103)	0.054 (0.011)	20.64 (0.6)	8.2
<i>Trachypenaeus granulatus</i>	0.004 (0.004)	0.001 (0.001)	21 (0)	0.3
<i>Tragulichthys jaculiferus</i>	8.568 (2.676)	0.031 (0.009)	130.68 (11.92)	5.4
<i>Triphichthys weberi</i>	4.533 (0.907)	0.087 (0.017)	139.34 (2)	11.1
<i>Tudivasum armigera</i>	0.194 (0.194)	0.002 (0.002)	80 (0)	0.3
<i>Udotea</i> sp.	0.466 (0.15)	< 0.001		5.7
<i>Umbellifera</i> sp.	1.712 (1.491)	< 0.001		0.8
<i>Umbellifera</i> sp. 1	0.736 (0.417)	< 0.001		1.6
<i>Umbellifera</i> sp. 2	1.09 (0.715)	< 0.001		1.1
<i>Umbellifera</i> sp. 3	0.103 (0.062)	< 0.001		0.8
Unidentified Alcyonarian	1.89 (0.749)	0.004 (0.002)		3
Unidentified Ascidian	4.099 (1.589)	0.038 (0.011)	113.75 (12.16)	5.4
Unidentified Bivalve	0.619 (0.226)	0.02 (0.007)	61.94 (9.03)	3.5
Unidentified Bryozoan	41.956 (17.302)	0.007 (0.003)		16.8
Unidentified Crinoid	3.174 (0.629)	0.108 (0.02)	107.14 (12.72)	17.7
Unidentified Gorgonian	1.659 (0.621)	0.002 (0.001)	220 (0)	6
Unidentified Hydroid	0.296 (0.1)	< 0.001		5.4
Unidentified Nudibranch	0.33 (0.172)	0.005 (0.002)	102.22 (4.18)	1.6
Unidentified shell 1	15.282 (11.309)	0.002 (0.001)		0.5
Unidentified Sponge	13.06 (3.419)		60 (0)	11.7
Unidentified Stomatopod	0 (0)	< 0.001	6 (0)	0.3
<i>Upeneus asymmetricus</i>	8.065 (1.352)	0.225 (0.037)	115.82 (1.06)	18.5
<i>Upeneus luzonius</i>	10.822 (3.484)	0.14 (0.046)	144.8 (2.77)	6.3
<i>Upeneus tragula</i>	0.942 (0.32)	0.034 (0.01)	104.04 (3.22)	4.9
<i>Uranoscopus terraereginae</i>	0.649 (0.266)	0.01 (0.004)	113.46 (10.85)	3
<i>Virgularia</i> sp.	0.011 (0.011)	0.001 (0.001)	95 (0)	0.3
<i>Volachlamys singaporina</i>	0.029 (0.029)	0.001 (0.001)	52 (0)	0.3

Species	Mean catch rate g ha⁻¹	Mean catch rate n ha⁻¹	Mean length mm	Frequency of capture (%)
<i>Xanthid</i> sp.	0.002 (0.002)	0.002 (0.001)	11.33 (3.38)	0.5
<i>Xenophora indica</i>	0.045 (0.041)	0.001 (0.001)	72.5 (2.5)	0.5
<i>Xyrichthys jacksonensis</i>	0.55 (0.282)	0.005 (0.002)	168.33 (4.59)	1.1

Appendix 4. List of 186 species and their total weight recorded in the bycatch of 96 (48 sites x 2 nets) one-nautical trawls in southern Hervey Bay in June 2002. Includes small or undersized principal target and permitted species.

Species	Total weight (kg)	Species	Total weight (kg)
<i>Lethrinus genivittatus</i>	376.5768	<i>Sepia whitleyana</i>	0.7885
<i>Siganus fuscescens</i>	109.0536	<i>Priacanthus macracanthus</i>	0.783
<i>Upeneus luzonius</i>	95.4506	<i>Callionymus grossi</i>	0.7804
<i>Upeneus asymmetricus</i>	78.9423	<i>Pseudorhombus spinosis</i>	0.7328
<i>Portunus pelagicus</i>	60.4931	<i>Caulerpa sertularioides</i>	0.6933
<i>Saurida grandisquamis</i>	52.6101	<i>Nemipterus peronii</i>	0.6515
<i>Pentapodus paradiseus</i>	38.1883	<i>Monacanthus chinensis</i>	0.6076
<i>Choerodon cephalotes</i>	23.6116	Rubble Shell	0.6024
Unidentified sponge	17.9944	<i>Sepia papuensis</i>	0.5872
<i>Paramonacanthus otisensis</i>	16.3928	<i>Platax teira</i>	0.5346
<i>Portunus rubromarginatus</i>	10.4946	<i>Trachinocephalus myops</i>	0.4985
<i>Amusium balloti</i>	9.264	<i>Lagocephalus sceleratus</i>	0.4878
<i>Annachlamys flabellata</i>	7.8094	Volutidae	0.4744
<i>Pelates sexlineatus</i>	6.4391	<i>Priacanthus tayenus</i>	0.4685
<i>Synodus sageneus</i>	6.2046	<i>Decapterus russellii</i>	0.4545
<i>Pelates quadrilineatus</i>	5.8537	<i>Scolopsis taeniopterus</i>	0.4506
<i>Metapenaeopsis palmensis</i>	5.7429	<i>Belosquilla laevis</i>	0.4069
<i>Pseudorhombus arsius</i>	5.1145	<i>Dactylopus dactylopus</i>	0.4012
<i>Psammoperca waigiensis</i>	4.1196	<i>Halimeda discoidea</i>	0.3694
<i>Selaroides leptolepis</i>	3.8446	Holothurian sp.	0.3639
<i>Torquigener pallimaculatus</i>	3.8177	<i>Stellaster equestris</i>	0.3521
<i>Gerres subfasciatus</i>	3.6975	<i>Charybdis natator</i>	0.3483
<i>Inegocia japonica</i>	2.966	<i>Atule mate</i>	0.3467
<i>Arnoglossus intermedius</i>	2.9014	<i>Holothuria ocellata</i>	0.3379
<i>Parapercis nebulosa</i>	2.7883	<i>Upeneus tragula</i>	0.2718
<i>Pseudomonacanthus peroni</i>	2.7215	<i>Sillago robusta</i>	0.2672
<i>Anchisomus multistriatus</i>	2.337	<i>Alepes</i> sp.	0.2599
<i>Pristotis jerdoni</i>	2.0308	<i>Carangoides malabaricus</i>	0.259
<i>Engyproson</i>	2.0201	<i>Herdmania</i> sp.	0.2475
<i>grandisquama</i>		<i>Apistus carinatus</i>	0.22
<i>Sphyraena flavicauda</i>	1.9719	<i>Euprymna</i> sp.	0.2189
<i>Torquigener perlevis</i>	1.9027	Ascidian sp.	0.2038
<i>Nemipterus theodori</i>	1.8763	<i>Platycephalus arenarius</i>	0.199
<i>Pseudorhombus jenynsii</i>	1.8673	<i>Chaetoderma penicilligera</i>	0.1985
<i>Pomadasy maculatum</i>	1.8094	<i>Niphates</i> sp.	0.1958
<i>Pseudorhombus argus</i>	1.7131	<i>Remora remora</i>	0.1946
<i>Callyspongia</i> sp.	1.6327	<i>Lutjanus carponotatus</i>	0.1898
<i>Platycephalus endrachtensis</i>	1.6121	<i>Sepia smithi</i>	0.1871
<i>Halophila spinulosa</i>	1.6037	<i>Carangoides hedlandensis</i>	0.1765
<i>Sillago maculata</i>	1.4776	<i>Diagramma pictum</i>	0.1755
<i>Torquigener whitleyi</i>	1.4272	Basket Star	0.1714
<i>Portunus tenuipes</i>	1.1998	<i>Scyllarus demani</i>	0.1672
Sea urchin 3 (CSIRO)	1.1142	Razor Shell; Razor Clam	0.1644
<i>Apogon fasciatus</i>	1.1033	<i>Muraenesox cinereus</i>	0.1616
<i>Inimicus caledonicus</i>	1.0461	<i>Apogon ellioti</i>	0.1577
<i>Chiloscyllium punctatum</i>	1.0422	Scorpaenid sp.	0.1541
<i>Seriolina nigrofasciata</i>	1.0059	<i>Metapenaeus endeavouri</i>	0.1534
<i>Pentacaster</i> sp.	0.9815	<i>Lethrinus</i> sp.	0.1507
<i>Apogon brevicaudatus</i>	0.9357	<i>Herklotsichthys lippa</i>	0.1503
<i>Alepes</i> sp.	0.9256	<i>Ablennes hians</i>	0.139
<i>Platycephalus indicus</i>	0.8518	<i>Centrogenys vaigiensis</i>	0.1354
<i>Cymbacephalus</i>	0.8498	<i>Dactyloptena orientalis</i>	0.1353
<i>nematophthalmus</i>		<i>Sepia plangon</i>	0.1153
<i>Thenus indicus</i>	0.8447	Urchin sp.	0.1139
<i>Pagrus auratus</i>	0.8161	<i>Apogon fuscomaculata</i>	0.1116

Species	Total weight (kg)	Species	Total weight (kg)
<i>Oyster</i>	0.1047	<i>Photololigo</i> sp	0.0156
<i>Carangoides humerosus</i>	0.1042	<i>Luidia maculata</i>	0.0155
<i>Anacanthus barbatus</i>	0.0979	<i>Apogon nigripinnis</i>	0.0149
<i>Apogon cf semilineatus</i>	0.0958	<i>Pseudorhombus dupliciocellatus</i>	0.0135
<i>Sea pen</i>	0.0958	<i>Cynoglossus</i> sp	0.0131
<i>Carangoides chrysophrys</i>	0.0948	<i>Gastropod</i>	0.013
<i>Suggrundus harrisi</i>	0.0896	<i>Adventor elongatus</i>	0.0117
<i>Udotea</i> sp	0.0829	<i>Penaeidae</i>	0.0109
<i>Gnathanodon speciosus</i>	0.0789	<i>Callionymus japonicus</i>	0.01
<i>Suggrundus jugosus</i>	0.0762	<i>Gastropod</i> sp.	0.0091
<i>Dicotylichthys punctulatus</i>	0.0752	<i>Sand ascidian</i>	0.0089
<i>Apogon cavitiensis</i>	0.0746	<i>Halimeda</i> sp.	0.0089
<i>Penaeus esculentus</i>	0.0708	<i>Parapriacanthus ransonneti</i>	0.0086
<i>Leiognathus moretoniensis</i>	0.0697	<i>Rhynchostracion nasus</i>	0.0086
<i>Holothuria notabilis</i>	0.0668	<i>Sepia</i> sp	0.0079
<i>Pseudorhombus diplospilus</i>	0.064	<i>Brachaluteres taylori</i>	0.0076
<i>Penaeus plebejus</i>	0.0577	<i>Metapenaeus ensis</i>	0.0071
<i>Lactoria cornutus</i>	0.0512	<i>Trachypenaeus curvirostris</i>	0.0068
<i>Zebrias craticula</i>	0.0507	<i>Seuzichtys devisi</i>	0.0064
<i>Sea urchin 6 (csiroy)</i>	0.0476	<i>Metasepia pfefferi</i>	0.0061
<i>Plotosus lineatus</i>	0.0471	<i>Astropecten</i> sp	0.006
<i>Parachaetodon ocellatus</i>	0.0447	<i>Siphamia cuniceps</i>	0.0058
<i>Callionymus sublaevis</i>	0.0418	<i>Portunus</i> sp	0.005
<i>Lepidotrigla argus</i>	0.04	<i>Brittle Star</i>	0.0039
<i>Penaeus latisulcatus</i>	0.0396	<i>Green algae</i>	0.0032
<i>Stomatopod Mantis Shrimp</i>	0.0385	<i>Coral</i>	0.0031
<i>Aploactis aspersa</i>	0.0383	<i>Hermit Crab</i>	0.003
<i>Philine</i> sp	0.0365	<i>Hydroid</i>	0.0029
<i>Portunus rugosus</i>	0.0361	<i>Scyllarus</i> sp. A	0.0024
<i>Trachypenaeus granulatus</i>	0.036	<i>Centriscus scutatus</i>	0.0011
<i>Callionymus limiceps</i>	0.0348	<i>Scyllarus</i> sp.	0.0011
<i>Lepidotrigla umbrosa</i>	0.031	<i>Siphamia</i> sp.	0.0011
<i>Petroscirtes lupus</i>	0.029	<i>Pseudochromis quinquentatus</i>	0.0011
<i>Sorsogoma tuberculata</i>	0.0283	<i>Mantis shrimp</i> sp	0.0003
<i>Charybdis truncata</i>	0.025		
<i>Halamida</i> sp	0.0239		
<i>Terapon puta</i>	0.0232		
<i>Bivalve</i>	0.0202		
<i>Sand Dollar</i>	0.02		
<i>Octopus</i> sp	0.019		
<i>Thalamita sima</i>	0.0184		
<i>Crinoid</i> sp.	0.0176		
<i>Soft coral</i>	0.0168		
<i>Sillago ingennua</i>	0.0167		

Appendix 5. List of 346 taxa in the bycatch of the deepwater (> 91 m) eastern king prawn fishery based on bycatch sub-samples from 201 individual net trawls from the research charter and opportunistically sampling the fleet between March 2001 and July 2002. Mean catch rates are in grams and numbers per hectare, mean lengths (mm) are fork length or standard length for fish, carapace length for crustaceans, disc width or length for elasmobranchs, total length for echinoderms, and shell length for molluscs. Includes small or undersized principal target and permitted species. Frequency is percentage of occurrence in the 201 net trawls. Standard error in brackets.

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Amoria mollerii</i>	0.167 (0.08)	0.006 (0.003)	72.5 (0.73)	2.5
<i>Amphichaetodon howensis</i>	0.3 (0.3)	0.003 (0.003)	115 (0)	0.5
<i>Amusium balloti</i>	0.066 (0.043)	0.004 (0.002)	50.8 (1.6)	2.5
<i>Anguilla reinhardtii</i>	0.167 (0.167)	0.001 (0.001)	500 (0)	0.5
<i>Anoplocapros inermis</i>	2.879 (0.915)	0.011 (0.003)	172.32 (1.63)	7.0
<i>Antennarius hispidus</i>	0.002 (0.001)	0.001 (0)	30 (0.35)	1.5
<i>Antennarius striatus</i>	0.702 (0.253)	0.017 (0.004)	60.88 (1.8)	9.5
<i>Antigonia rhomboidea</i>	1.269 (0.213)	0.247 (0.038)	39.9 (0.46)	47.0
<i>Apogon semilineatus</i>	0.02 (0.014)	0.003 (0.002)	72.5 (1.75)	1.0
<i>Apogonops anomalus</i>	89.504 (34.549)	5.468 (2.158)	92.13 (0.93)	22.5
<i>Aptychotrema rostrata</i>	3.026 (1.622)	0.003 (0.001)	667.5 (6.17)	2.0
<i>Arcania foliolata</i>	0.059 (0.014)	0.017 (0.004)	20.86 (0.19)	11.0
<i>Ariomma luridum</i>	1.555 (0.423)	0.026 (0.007)	133.15 (1.5)	9.0
<i>Ariosoma shiroanago</i>	0.165 (0.117)	0.002 (0.001)	380 (0.5)	1.0
<i>Arnoglossus</i> sp.	0.025 (0.022)	0.011 (0.009)	64.5 (0.3)	2.0
<i>Arnoglossus waitei</i>	0.061 (0.036)	0.009 (0.004)	79.06 (2.62)	4.0
<i>Arothron firmamentum</i>	4.173 (2.69)	0.004 (0.003)	251.11 (2.52)	1.5
<i>Aseraggodes cyaneus</i>	0.011 (0.011)	0.001 (0.001)	100 (0)	0.5
<i>Aseraggodes kaianus</i>	0.062 (0.03)	0.005 (0.002)	90 (1.25)	2.5
<i>Aseraggodes</i> sp.	0.009 (0.009)	0.001 (0.001)	90 (0)	0.5
<i>Astele bularra</i>	0.154 (0.144)	0.02 (0.018)	23.4 (0.3)	2.5
<i>Astropecten</i> sp.	0.832 (0.325)	0.031 (0.008)	115.82 (4.02)	12.5
<i>Asymbolus analis</i>	0.93 (0.359)	0.005 (0.002)	375.57 (6.62)	3.5
<i>Asymbolus rubiginosus</i>	4.756 (1.558)	0.015 (0.005)	448.98 (1.63)	6.0
<i>Ateleopus</i> sp.	0.017 (0.012)	0.002 (0.002)	265 (1)	1.0
<i>Aulopus curtirostris</i>	7.915 (1.458)	0.631 (0.106)	89.53 (0.94)	50.5
<i>Aulotrachichthys</i> sp.	3.051 (0.458)	0.563 (0.085)	55.11 (0.48)	55.0
<i>Basket star</i>	0.022 (0.018)	0.002 (0.001)		1.0
<i>Bathypilumnus pugilator</i>	0 (0)	< 0.001	16 (0)	0.5
<i>Batrachomoeus dubius</i>	0.05 (0.05)	0.005 (0.005)	63.33 (0)	0.5
<i>Bembras macrolepis</i>	0.013 (0.007)	0.002 (0.001)	80.25 (1.94)	2.5
<i>Bothidae A</i>	0.004 (0.004)	0.001 (0.001)	85 (0)	0.5
<i>Bothidae B</i>	0.011 (0.011)	0.001 (0.001)	125 (0)	0.5
<i>Brachionichthys</i> sp.	0.022 (0.018)	0.005 (0.004)	45 (0.5)	1.0
<i>Branchiostegus wardi</i>	0.904 (0.562)	0.006 (0.003)	181.5 (5.42)	2.5
<i>Brittle star</i>	0.007 (0.005)	0.005 (0.003)	76.25 (4.38)	2.0
<i>Caelorinchus mirus</i>	0.075 (0.075)	0.002 (0.002)	207.5 (0)	0.5
<i>Calappa lophos</i>	0.246 (0.111)	0.003 (0.001)	82.03 (2.75)	3.0
<i>Calliactis</i> sp.	3.819 (0.433)	0.451 (0.039)	31.78 (0.77)	65.5
<i>Callionymus draconis</i>	0.893 (0.308)	0.064 (0.022)	94.04 (0.8)	5.0
<i>Callionymus japonicus</i>	0.005 (0.005)	0.001 (0.001)	75 (0)	0.5
<i>Callionymus margaretae</i>	0.079 (0.062)	0.007 (0.006)	105.63 (2.44)	1.0
<i>Callionymus moretonensis</i>	37.645 (5.48)	2.801 (0.406)	104.1 (1.42)	64.5
<i>Canthigaster callisterna</i>	0.168 (0.106)	0.009 (0.005)	76 (0.91)	2.5

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Carangoides equula</i>	26.011 (13.944)	0.385 (0.184)	116.24 (1.83)	42.0
<i>Carid</i> sp.	0.009 (0.005)	0.005 (0.003)	11.5 (0.14)	2.0
<i>Cassis nana</i>	0.001 (0.001)	< 0.001	30 (0)	0.5
<i>Centroberyx affinis</i>	0.033 (0.033)	< 0.001	170 (0)	0.5
<i>Cepola schlegelii</i>	0.017 (0.017)	0.002 (0.002)	227.5 (0)	0.5
<i>Chaetodiadema granulatum</i>	0.002 (0.002)	< 0.001	45 (0)	0.5
<i>Champsodon nudivittis</i>	0.623 (0.223)	0.107 (0.04)	69.12 (0.83)	21.5
<i>Charybdis bimaculata</i>	35.904 (7.648)	3.18 (0.642)	36.74 (0.23)	75.5
<i>Charybdis miles</i>	20.76 (6.157)	0.362 (0.106)	58.54 (0.76)	23.0
<i>Chaunax fimbriatus</i>	0.048 (0.048)	0.001 (0.001)	95 (0)	0.5
<i>Chelidonichthys kumu</i>	14.675 (1.769)	0.115 (0.014)	188.58 (1)	41.0
<i>Chelidoperca</i> sp.	0.023 (0.016)	0.006 (0.004)	54.17 (0.42)	1.0
<i>Chicoreus damicornis</i>	0.007 (0.003)	0.005 (0.002)	26.67 (0.37)	3.0
<i>Chicoreus longicornis</i>	0.002 (0.002)	0.001 (0.001)	32.5 (0.25)	1.0
<i>Chloeia</i> sp.	0.167 (0.037)	0.027 (0.005)	48.21 (0.8)	14.0
<i>Chromis abyssicola</i>	0.279 (0.186)	0.014 (0.009)	75.6 (1.08)	3.5
<i>Cirrhichthys aprinus</i>	0.056 (0.056)	0.002 (0.002)	85 (0)	0.5
<i>Cleidopus gloriamaris</i>	0.108 (0.077)	0.001 (0)	127.5 (0.25)	1.0
<i>Columbarium spinicinatum</i>	0.002 (0.002)	0.001 (0.001)	52.5 (0.75)	1.0
<i>Conger</i> sp.	0.005 (0.005)	0.001 (0.001)	250 (0)	0.5
<i>Conger wilsoni</i>	0.258 (0.258)	0.003 (0.003)	470 (0)	0.5
<i>Crangonid</i> sp.	0.002 (0.002)	0.003 (0.003)	11 (0)	0.5
<i>Cryptolutea</i> sp.	0.002 (0.002)	0.001 (0.001)	17 (0)	0.5
<i>Cubiceps whiteleggii</i>	0.193 (0.193)	0.003 (0.003)	141.67 (0)	0.5
<i>Cyclichthys spilostylus</i>	0.205 (0.205)	< 0.001	200 (0)	0.5
<i>Cymbiola irviniae</i>	0.064 (0.064)	0.001 (0.001)	126 (0)	0.5
<i>Cymbiola magnifica</i>	2.426 (1.37)	0.004 (0.002)	201.07 (3.16)	3.5
<i>Cymbiolacca pulchra</i>	0.003 (0.003)	< 0.001	48 (0)	0.5
<i>Cymbiolista hunteri</i>	0.994 (0.284)	0.008 (0.002)	121.43 (0.79)	8.5
<i>Cynoglossus</i> sp.	0.664 (0.26)	0.036 (0.013)	101.31 (0.67)	6.0
<i>Dactyloptena orientalis</i>	0.148 (0.105)	0.001 (0.001)	132.5 (8.25)	1.0
<i>Dactyloptena papilio</i>	5.011 (1.022)	0.131 (0.026)	107.5 (1.02)	32.0
<i>Dardanus arrosor</i>	7.567 (0.931)	0.226 (0.021)	25.78 (0.89)	64.0
<i>Dardanus imbricatus</i>	0.018 (0.016)	0.001 (0.001)	26.5 (1.15)	1.0
<i>Dardanus</i> sp.	0.155 (0.069)	0.008 (0.003)	24.65 (0.48)	5.0
<i>Dasyatis thetidis</i>	31.79 (24.117)	0.003 (0.002)	420 (1.225)	2.0
<i>Decapterus russellii</i>	0.051 (0.051)	< 0.001	235 (0)	0.5
<i>Dendrochirus brachypterus</i>	0.114 (0.063)	0.009 (0.005)	72.5 (0.35)	2.0
<i>Dendrochirus zebra</i>	0.277 (0.094)	0.019 (0.006)	76.67 (0.54)	6.5
<i>Dendrodoris tuberculosa</i>	1.185 (0.367)	0.019 (0.007)	105.91 (2.56)	6.5
<i>Dentex spariformis</i>	38.361 (10.284)	1.483 (0.545)	75.74 (1.67)	34.5
<i>Diaphus watasei</i>	0.059 (0.056)	0.01 (0.009)	62.81 (0.78)	1.0
<i>Dicotylichthys punctulatus</i>	0.115 (0.115)	< 0.001	230 (0)	0.5
<i>Dipturus polyommata</i>	4.379 (1.169)	0.031 (0.006)	206.34 (8.24)	13.5
<i>Distorsio reticulata</i>	0.084 (0.084)	0.006 (0.006)	53.5 (0)	0.5
<i>Dyosomma</i> sp.	0.179 (0.179)	0.001 (0.001)	535 (0)	0.5
<i>Echelus</i> sp.	0.01 (0.01)	0.001 (0.001)	280 (0)	0.5
<i>Eklonia radiata</i>	2.171 (0.588)	< 0.001		21.0
<i>Eledone palari</i>	0.112 (0.062)	0.002 (0.001)	45 (0.41)	2.0
<i>Emmelichthys strusakeri</i>	0.037 (0.021)	0.003 (0.001)	90 (0.96)	2.0
<i>Engyprosopon grandisquama</i>	0.025 (0.019)	0.002 (0.002)	100.83 (1.08)	1.0
<i>Engyprosopon</i> sp.	0.082 (0.079)	0.007 (0.007)	103.13 (0.31)	1.0
<i>Entomonyx depressus</i>	0.04 (0.021)	0.005 (0.003)	27.2 (0.14)	2.5
<i>Epigodromia areolata</i>	0.001 (0.001)	< 0.001	20 (0.5)	1.0
<i>Epinephelus morrhua</i>	0.087 (0.067)	0.004 (0.003)	105 (0)	1.0

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Epinephelus octofasciatus</i>	0.407 (0.265)	0.004 (0.002)	136.88 (3.92)	2.0
<i>Eplumula australiensis</i>	0 (0)	0.001 (0.001)	6.17 (0.08)	1.0
<i>Ericusa serricata</i>	0.002 (0.001)	< 0.001	47.5 (0.25)	1.0
<i>Erisphex aniarus</i>	0.23 (0.075)	0.043 (0.009)	50.21 (0.87)	20.0
<i>Erosa erosa</i>	0.01 (0.01)	0.001 (0.001)	45 (0)	0.5
<i>Etrumeus teres</i>	0.061 (0.061)	0.001 (0.001)	181.25 (0)	0.5
<i>Eumedonus vicinus</i>	0.001 (0.001)	0.001 (0.001)	11.5 (0)	0.5
<i>Euprymna sp. B</i>	0.005 (0.002)	0.002 (0.001)	16 (0.37)	2.5
<i>Euprymna sp. C</i>	0.015 (0.007)	0.005 (0.002)	17 (0.19)	2.5
<i>Euprymna tasmanica</i>	2.002 (0.604)	0.485 (0.15)	18.41 (0.24)	37.5
<i>Fistularia petimba</i>	1.337 (0.36)	0.016 (0.004)	536.94 (5.36)	9.0
<i>Foetorepus calauropomus</i>	0.018 (0.014)	0.001 (0.001)	95 (0)	1.0
<i>Fungia sp.</i>	0.044 (0.017)	0.006 (0.002)	29.5 (0.91)	4.5
<i>Galearctus timidus</i>	0.163 (0.057)	0.033 (0.008)	16.21 (0.29)	17.0
<i>Galeus boardmani</i>	2.935 (0.826)	0.012 (0.003)	438.8 (1.66)	8.0
<i>Glaucosoma scapulare</i>	5.929 (1.386)	0.023 (0.005)	187.81 (2.48)	12.0
<i>Glossanodon australis</i>	0.905 (0.247)	0.156 (0.038)	80.14 (1.01)	21.5
<i>Gnathophis grahamii</i>	2.575 (0.473)	0.069 (0.011)	272.76 (3.19)	26.0
<i>Goniistius vestitus</i>	0.285 (0.229)	0.001 (0.001)	212.5 (0.25)	1.0
<i>Gonorynchus greyi</i>	9.169 (1.457)	0.092 (0.015)	234.99 (3.13)	29.0
<i>Grammatobothus polyophthalmus</i>	0.149 (0.106)	0.002 (0.002)	180 (0)	1.0
<i>Haliutea stellata</i>	2.854 (0.564)	0.163 (0.027)	59.07 (1.93)	43.0
<i>Haliporoides sp.</i>	0.002 (0.002)	0.001 (0.001)	9.6 (0)	0.5
<i>Harpioquilla melanoura</i>	0.029 (0.029)	0.002 (0.002)	26 (0)	0.5
<i>Harpioquilla sinensis</i>	0.274 (0.153)	0.006 (0.003)	39.75 (0.61)	2.0
<i>Haustellum tweedianum</i>	0.012 (0.012)	0.001 (0.001)	70 (0)	0.5
<i>Heterodontus sp.</i>	1.074 (0.765)	< 0.001		1.0
<i>Heteroscyllium colcloughi</i>	0.192 (0.192)	< 0.001	540 (0)	0.5
<i>Holothuria ocellata</i>	0.136 (0.136)	0.001 (0.001)	235 (0)	0.5
<i>Holothurian sp.</i>	0.177 (0.177)	0.001 (0.001)	285 (0)	0.5
<i>Holothurian sp. 5</i>	0.157 (0.157)	0.001 (0.001)	250 (0)	0.5
<i>Homola orientalis</i>	0.033 (0.016)	0.005 (0.002)	16.43 (0.24)	3.5
<i>Hoplichthys citrinus</i>	3.525 (1.562)	0.3 (0.12)	116.16 (1.76)	8.5
<i>Hyastenus diacanthus</i>	0.001 (0.001)	< 0.001	29 (0)	0.5
<i>Hydrolagus lemuress</i>	2.208 (1.733)	0.001 (0.001)	722.5 (7.25)	1.0
<i>Hypnos monopterygius</i>	1.003 (0.554)	0.002 (0.001)	212.5 (8.75)	2.0
<i>Ibacus brucei</i>	0.51 (0.123)	0.055 (0.019)	29.41 (0.37)	15.5
<i>Ibacus chacei</i>	3.075 (0.583)	0.212 (0.026)	24.41 (0.56)	44.5
<i>Ibacus sp.</i>	0.011 (0.011)	0.001 (0.001)		0.5
<i>Ircinia sp.</i>	0.125 (0.125)	< 0.001		0.5
<i>Ixoides cornutus</i>	0.119 (0.044)	0.008 (0.003)	62 (0.53)	4.5
<i>Jonas leuteanus</i>	0.012 (0.012)	0.001 (0.001)	45 (0)	0.5
<i>Kempina mikado</i>	9.42 (1.221)	0.233 (0.03)	36.33 (0.38)	44.0
<i>Lagocephalus inermis</i>	6.869 (1.694)	0.052 (0.014)	154.31 (3.74)	15.5
<i>Lagocephalus spadiceus</i>	2.647 (0.852)	0.01 (0.003)	207.5 (4.69)	7.0
<i>Lamellaria australis</i>	0.008 (0.008)	0.001 (0.001)	35 (0)	0.5
<i>Latreillopsis daviei</i>	0.003 (0.003)	0.001 (0.001)	13 (0)	0.5
<i>Lepidoperca caesiopercula</i>	0.349 (0.181)	0.01 (0.005)	97.1 (0.71)	2.5
<i>Lepidotrigla argus</i>	103.515 (9.558)	7.007 (0.874)	94.64 (1.28)	90.5
<i>Lepidotrigla cf japonica</i>	0.72 (0.181)	0.054 (0.016)	84.43 (1.34)	11.5
<i>Lepidotrigla grandis</i>	4.321 (0.991)	0.174 (0.038)	91.4 (1.89)	27.0
<i>Leptomithrax weitei</i>	22.945 (4.629)	0.115 (0.025)	87.63 (1.73)	35.0
<i>Leucosia ocellata</i>	0.056 (0.035)	0.006 (0.003)	23.64 (0.23)	3.5
<i>Leucosyrinx queenslandica</i>	0.003 (0.003)	0.001 (0.001)	50 (0)	0.5

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Liocarcinus corrugatus</i>	0.011 (0.006)	0.001 (0)	33.3 (0.33)	2.5
<i>Lophiomus setigerus</i>	5.493 (0.761)	0.07 (0.009)	123.4 (1.33)	33.5
<i>Luidia</i> sp.	0.004 (0.004)	0.001 (0.001)	100 (0)	0.5
<i>Lumiconger arafura</i>	0.087 (0.065)	0.002 (0.001)	307.5 (1.25)	1.0
<i>Lupocyclus philippinensis</i>	0.096 (0.023)	0.023 (0.006)	21 (0.18)	11.5
<i>Lyreidus tridentatus</i>	0.035 (0.017)	0.003 (0.001)	40.5 (0.74)	3.0
<i>Macrorhamphosus mollerii</i>	21.993 (9.656)	2.919 (1.292)	98.37 (1.37)	13.0
<i>Macrorhamphosus scolopax</i>	8.614 (2.479)	1.072 (0.312)	86.37 (0.66)	49.0
<i>Maxillicosta whitleyi</i>	0.003 (0.003)	0.001 (0.001)	50 (0)	0.5
<i>Metapenaeopsis palmensis</i>	0.001 (0.001)	< 0.001	16 (0)	0.5
<i>Metapenaeopsis provocatoria</i>	0.142 (0.038)	0.182 (0.057)	9.01 (0.13)	27.0
<i>Metapenaeopsis</i> sp.	0.001 (0.001)	< 0.001	12 (0)	0.5
<i>Metapenaeopsis velutina</i>	0.061 (0.018)	0.026 (0.008)	13.68 (0.3)	7.0
<i>Metasepia pfefferi</i>	0.009 (0.009)	0.001 (0.001)	40 (0)	0.5
<i>Microcanthus strigatus</i>	2.807 (0.618)	0.031 (0.007)	122.31 (0.72)	13.0
<i>Monacanthus</i> sp.	0.005 (0.005)	0.001 (0.001)	40 (0)	0.5
<i>Monomitopus</i> sp.	0.393 (0.151)	0.024 (0.007)	117.57 (2.22)	9.0
<i>Muraenesox bagio</i>	0.508 (0.508)	< 0.001	()	0.5
<i>Mursia australiensis</i>	0.378 (0.074)	0.036 (0.007)	39.54 (0.37)	19.5
<i>Nassarius conoidalis</i>	0.004 (0.004)	0.001 (0.001)	25 (0)	0.5
<i>Naxioides robillardii</i>	0.05 (0.042)	0.003 (0.002)	31.5 (0.85)	1.0
<i>Nelusetta ayraudi</i>	13.646 (5.009)	0.012 (0.004)	426.42 (2.36)	5.0
<i>Nemipterus aurifilum</i>	35.009 (4.498)	0.793 (0.195)	125.89 (1.86)	58.5
<i>Nemipterus theodori</i>	4.433 (1.89)	0.052 (0.026)	151.78 (1.83)	4.0
<i>Neocentropogon aeglefinus</i>	5.878 (2.519)	0.27 (0.112)	76.95 (1.49)	6.5
<i>Neocentropogon</i> sp.	0.024 (0.024)	< 0.001	120 (0)	0.5
<i>Neolaeops microphthalmus</i>	0.016 (0.008)	0.001 (0.001)	115 (2.49)	2.5
<i>Neomerinthe</i> sp.	0.006 (0.006)	< 0.001	70 (0)	0.5
<i>Neosebastes cf entaxis</i>	0.324 (0.141)	0.032 (0.01)	51.41 (0.75)	12.0
<i>Neosebastes incisipinnis</i>	8.429 (1.835)	0.129 (0.02)	115.36 (2.12)	36.5
<i>Nettastoma solitarium</i>	0.077 (0.074)	0.001 (0.001)	685 (34)	1.0
<i>Nototodarus</i> sp.	0.214 (0.126)	0.001 (0)	196.67 (1.81)	1.5
<i>Ocosia apia</i>	0.001 (0.001)	< 0.001	50 (0)	0.5
<i>Octopus australis</i>	0.088 (0.06)	0.002 (0.001)	34.17 (0.57)	1.5
<i>Octopus kagoshimensis</i>	0.918 (0.542)	0.013 (0.008)	55.67 (0.76)	3.5
<i>Octopus</i> sp.	0.404 (0.206)	0.011 (0.003)	29.97 (1.38)	9.0
<i>Octopus</i> sp. B	0.038 (0.038)	< 0.001	42.5 (0)	0.5
<i>Octopus</i> sp. G	0.202 (0.161)	0.003 (0.002)	45.83 (1.35)	1.5
<i>Octopus</i> sp. I	0.07 (0.049)	0.002 (0.001)	37.5 (2.05)	2.0
<i>Octopus</i> sp. J	0.086 (0.086)	< 0.001	75 (0)	0.5
<i>Odontodactylus japonicus</i>	0.007 (0.007)	0.001 (0.001)	18 (0)	0.5
<i>Ophichthus</i> sp.	0.094 (0.094)	< 0.001	790 (0)	0.5
<i>Ophidion muraenolepis</i>	2.005 (0.726)	0.055 (0.014)	155.55 (2.9)	22.5
<i>Optivus</i> sp. I	0.726 (0.442)	0.066 (0.045)	80.03 (0.5)	7.5
<i>Orectolobus ornatus</i>	2.974 (2.104)	0.001 (0)	()	1.0
<i>Ostichthys japonicus</i>	1.336 (0.977)	0.019 (0.01)	89.58 (2.09)	3.0
<i>Pagrus auratus</i>	0.205 (0.205)	0.001 (0.001)	180 (0)	0.5
<i>Pagurid</i> sp.	0.003 (0.003)	< 0.001	19 (0)	0.5
<i>Pagurid</i> sp. Z	0.002 (0.002)	< 0.001	40 (0)	0.5
<i>Paguropsis typica</i>	0.076 (0.029)	0.011 (0.004)	15.5 (0.23)	4.5
<i>Parabothus kiensis</i>	0.011 (0.011)	0.001 (0.001)	112.5 (0)	0.5
<i>Paradorippe australiensis</i>	0.002 (0.002)	0.001 (0.001)	17 (0)	0.5
<i>Paramonacanthus lowei</i>	0.018 (0.018)	0.001 (0.001)	95 (0)	0.5
<i>Parapenaeus sextuberculatus</i>	0.04 (0.019)	0.032 (0.016)	11.83 (0.25)	4.0
<i>Paraperca</i> sp. A	10.943 (3.244)	0.848 (0.248)	89.5 (0.8)	16.5

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Parapercis</i> sp. B	0.515 (0.173)	0.025 (0.008)	95.97 (1.25)	7.5
<i>Parapercis</i> sp. C	0.02 (0.014)	0.003 (0.002)	65 (0)	1.0
<i>Parascyllium collare</i>	0.064 (0.064)	< 0.001	435 (0)	0.5
<i>Penaeus</i> sp.	0.001 (0.001)	0.001 (0.001)	12 (0)	0.5
<i>Peronella</i> sp.	20.827 (3.954)	0.816 (0.128)	63.15 (1.04)	58.0
<i>Petrarctus brevicornis</i>	0.056 (0.027)	0.01 (0.004)	16 (0.33)	6.0
<i>Phalangipus australiensis</i>	0.001 (0.001)	0.001 (0.001)	13 (0)	0.5
<i>Philine angasi</i>	0.003 (0.003)	0.001 (0.001)	32.5 (0)	0.5
<i>Photololigo</i> sp.	4.514 (0.871)	0.26 (0.043)	72 (1.05)	45.0
<i>Physiculus therosideros</i>	0.128 (0.088)	0.005 (0.003)	117.5 (0.64)	1.5
Pike eel	0.271 (0.271)	0.001 (0.001)	625 (0)	0.5
<i>Plagiopsetta glossa</i>	1.136 (0.217)	0.085 (0.011)	103.31 (1.46)	34.0
<i>Platycephalus caeruleopunctatus</i>	4.128 (1.337)	0.009 (0.003)	351.39 (3.07)	6.0
<i>Platycephalus longispinis</i>	0.841 (0.451)	0.024 (0.013)	162.53 (2.12)	2.5
<i>Platycephalus marmoratus</i>	0.923 (0.374)	0.003 (0.001)	282.5 (3.12)	4.5
<i>Plesionika laurentae</i>	14.709 (2.779)	4.179 (0.806)	15.77 (0.14)	61.5
<i>Pleuroploca australasia</i>	0.01 (0.01)	0.001 (0.001)	60 (0)	0.5
<i>Pontocaris orientalis</i>	0.064 (0.02)	0.037 (0.011)	11.15 (0.1)	11.0
<i>Portunus argentatus</i>	1.322 (0.646)	0.283 (0.139)	30.9 (0.31)	15.5
<i>Portunus dubius</i>	0.001 (0.001)	< 0.001	24 (0)	0.5
<i>Portunus pelagicus</i>	0.088 (0.088)	0.001 (0.001)	115 (0)	0.5
<i>Portunus rubromarginatus</i>	0.561 (0.366)	0.03 (0.019)	44.54 (0.48)	4.5
<i>Portunus sanguinolentus</i>	0.148 (0.129)	0.001 (0.001)	118 (0.7)	1.0
<i>Priacanthus macracanthus</i>	19.629 (3.26)	0.154 (0.028)	183.85 (1.83)	36.0
<i>Priapilumnus nimbus</i>	0.004 (0.002)	0.012 (0.006)	8.6 (0.03)	3.0
<i>Prionocidaris</i> sp.	3.721 (1.072)	0.149 (0.026)	25.5 (0.94)	32.5
<i>Pristigenys niphonia</i>	0.287 (0.207)	0.009 (0.004)	78.33 (3.32)	3.0
<i>Pristilepis oligolepis</i>	0.019 (0.016)	0.004 (0.003)	47.5 (0.25)	1.0
<i>Psettina gigantea</i>	1.617 (0.328)	0.274 (0.042)	80.08 (0.96)	44.0
<i>Psettina iijimai</i>	0.002 (0.002)	0.001 (0.001)	65 (0)	0.5
<i>Psettina</i> sp.	0.005 (0.003)	0.003 (0.002)	59.17 (0.27)	1.5
<i>Pseudanthias</i> sp.	0.609 (0.218)	0.021 (0.007)	99.28 (0.53)	5.5
<i>Pseudorhombus duplisciocellatus</i>	0.078 (0.078)	0.001 (0.001)	185 (0)	0.5
<i>Pseudorhombus jenynsii</i>	0.034 (0.034)	< 0.001	222.5 (0)	0.5
<i>Pseudorhombus tenuirastrum</i>	4.366 (1.135)	0.05 (0.013)	212.76 (0.94)	12.0
<i>Pterois</i> sp.	0.009 (0.009)	< 0.001	90 (0)	0.5
<i>Pterois volitans</i>	0.077 (0.04)	0.006 (0.003)	72 (0.64)	2.5
<i>Pterygotrigla andertonii</i>	0.858 (0.414)	0.007 (0.004)	180 (1.95)	2.5
<i>Quollastria gonypetes</i>	2.047 (0.387)	0.179 (0.036)	23.34 (0.21)	42.5
<i>Randallia eburnea</i>	0.257 (0.05)	0.034 (0.007)	23.8 (0.17)	17.5
<i>Ranella australasia</i>	0.012 (0.012)	0.001 (0.001)	55 (0)	0.5
<i>Ratabulus diversidens</i>	81.664 (7.09)	0.988 (0.077)	198.26 (1.71)	87.0
<i>Rexea prometheoides</i>	0.2 (0.179)	0.003 (0.003)	202.5 (0.75)	1.0
<i>Rhinobatos typus</i>	0.107 (0.107)	< 0.001	470 (0)	0.5
<i>Rhynchobatus australiae</i>	1.524 (1.524)	< 0.001		0.5
<i>Samaris macrolepis</i>	0.046 (0.03)	0.003 (0.002)		1.5
<i>Satyrichthys</i> sp.	0.047 (0.035)	0.002 (0.001)	140 (2)	1.0
<i>Saurenhelys</i> sp.	0.006 (0.006)	0.003 (0.003)	200 (0)	0.5
<i>Saurida filamentosa</i>	104.371 (11.879)	0.757 (0.113)	246.16 (3.5)	58.0
<i>Saurida grandisquamis</i>	26.953 (5.604)	0.058 (0.013)	387.74 (6.69)	18.5
<i>Saurida</i> sp.	0.076 (0.076)	0.006 (0.006)	110.83 (0)	0.5
<i>Scomber australisicus</i>	1.082 (0.452)	0.007 (0.002)	203.26 (2.97)	6.0
<i>Scorpaenid</i> sp.	0.024 (0.021)	0.003 (0.002)	55 (1)	1.0

Species	Mean catch rate g ha ⁻¹	Mean catch rate n ha ⁻¹	Mean length mm	Frequency of capture (%)
<i>Scyllarus</i> sp. A	0.007 (0.006)	0.002 (0.001)	16.5 (0.55)	1.0
Sea star	0.116 (0.077)	0.007 (0.004)	80 (4.72)	2.5
Sea star 1000	0.243 (0.243)	0.014 (0.014)	92.75 (0)	0.5
Sea star 101	0.276 (0.091)	0.031 (0.009)	62.49 (1.26)	9.5
Sea star 102	0.006 (0.005)	0.001 (0.001)	57.5 (2.25)	1.0
Sea star 103	0.014 (0.007)	0.003 (0.002)	61.25 (0.88)	2.0
Sea star 104	0.074 (0.068)	0.001 (0.001)	200 (0)	1.0
Sea star 107	0.079 (0.079)	0.001 (0.001)	240 (0)	0.5
Sea star 109	0.042 (0.042)	0.001 (0.001)	185 (0)	0.5
Sea star 17	0.293 (0.293)	0.003 (0.003)	140 (0)	0.5
Sea star 3	0.002 (0.002)	0.002 (0.002)	37.5 (0)	0.5
Sea star 6	0.199 (0.199)	0.012 (0.012)	94 (0)	0.5
Sea star 65	0.008 (0.004)	0.002 (0.001)	63 (1.96)	2.5
Sea star 89	0.039 (0.039)	0.001 (0.001)	135 (0)	0.5
Sea Urchin 105	0.008 (0.007)	0.001 (0.001)	42.5 (0.25)	1.0
Sea Urchin 2	0.015 (0.015)	0.001 (0.001)	50 (0)	0.5
Sea Urchin 3	0.258 (0.258)	0.006 (0.006)	58.75 (0)	0.5
Sea Urchin 300	0.064 (0.064)	0.002 (0.002)	45 (0)	0.5
Sea Urchin 6	0.026 (0.026)	0.001 (0.001)	45 (0)	0.5
Sea Urchin 68	0.099 (0.063)	0.008 (0.005)	34 (0.19)	2.0
Sea Urchin 70	0.002 (0.002)	< 0.001	35 (0)	0.5
Sea Urchin 84	1.111 (0.498)	0.011 (0.004)	120.19 (1.72)	4.0
<i>Sepia limata</i>	0.631 (0.106)	0.203 (0.035)	28.88 (0.29)	39.0
<i>Sepia mestus</i>	0.03 (0.014)	0.012 (0.006)	22.36 (0.32)	3.0
<i>Sepia opipara</i>	9.762 (1.132)	0.56 (0.078)	52.98 (1.44)	59.5
<i>Sepia plangon</i>	0.137 (0.069)	0.007 (0.003)	55.28 (0.98)	3.0
<i>Sepia rex</i>	0.985 (0.427)	0.033 (0.011)	53.62 (1.81)	7.5
<i>Sepia rozella</i>	0.201 (0.07)	0.012 (0.004)	46.67 (0.8)	6.0
<i>Sepia smithi</i>	0.002 (0.001)	0.001 (0.001)	21.25 (0.38)	1.0
<i>Sepia</i> sp.	0.093 (0.067)	0.004 (0.003)	45 (2)	1.5
<i>Sepia whitleyana</i>	0.123 (0.123)	0.001 (0.001)	105 (0)	0.5
<i>Sepioloidea lineolata</i>	1.133 (0.182)	0.086 (0.014)	27.98 (0.39)	27.0
<i>Sergestoidea</i>	0.002 (0.001)	0.002 (0.001)	10 (0)	1.0
<i>Sillago flindersi</i>	0.715 (0.528)	0.009 (0.007)	169.88 (0.3)	1.5
<i>Siremba metachroma</i>	1.508 (0.366)	0.029 (0.006)	176.3 (2.37)	12.5
<i>Solegnathus hardwickii</i>	0.01 (0.006)	0.003 (0.001)	156.43 (1.8)	3.5
<i>Solenocera bifurcata</i>	0.9 (0.155)	0.222 (0.053)	17.55 (0.24)	41.0
<i>Solenocera choprai</i>	7.455 (1.481)	0.875 (0.179)	22.92 (0.22)	53.0
<i>Sphenopus marsupialus</i>	0.039 (0.027)	0.002 (0.002)	45 (0.5)	1.0
<i>Sphyaena acutipinnis</i>	2.334 (1.146)	0.021 (0.011)	240.61 (1.11)	5.5
<i>Spinapsaron barbatum</i>	0.046 (0.024)	0.008 (0.004)	74.5 (0.54)	2.5
<i>Stellaster</i> sp.	0.032 (0.032)	0.002 (0.002)	32.5 (0)	0.5
<i>Stelletta</i> sp.	4.93 (1.195)	0.276 (0.062)	33.37 (0.4)	25.5
<i>Stomatopod larvae</i>	0.001 (0.001)	0.001 (0.001)	23 (0)	0.5
<i>Sympagurus</i> sp.	0.879 (0.105)	0.301 (0.037)	12.59 (0.15)	59.0
<i>Synagrops japonicus</i>	0.837 (0.252)	0.065 (0.017)	82.24 (1.41)	15.0
<i>Synchiropus rameus</i>	0.023 (0.023)	0.001 (0.001)	105 (0)	0.5
<i>Synodus macrops</i>	0.856 (0.259)	0.027 (0.008)	137.28 (1.54)	7.5
<i>Tetrosomus concatenatus</i>	2.875 (1.142)	0.033 (0.012)	113.88 (1.29)	6.5
<i>Thalamita intermedia</i>	0.001 (0.001)	< 0.001	30 (0)	0.5
<i>Thalamita sima</i>	0.003 (0.003)	< 0.001	36 (0)	0.5
<i>Thamnaconus hypargyreus</i>	16.529 (4.424)	0.515 (0.138)	115.45 (0.79)	30.5
<i>Thamnaconus tessellatus</i>	2.112 (0.856)	0.058 (0.021)	103.05 (1.23)	11.5
<i>Tonna variegata</i>	0.019 (0.019)	0.001 (0.001)	65 (0)	0.5
<i>Torquigener altipinnis</i>	0.892 (0.354)	0.021 (0.008)	101.46 (1.26)	6.5

Species	Mean catch rate g ha⁻¹	Mean catch rate n ha⁻¹	Mean length mm	Frequency of capture (%)
<i>Torquigener</i> sp.	0.002 (0.002)	0.001 (0.001)	30 (0)	0.5
<i>Trachinocephalus myops</i>	0.6 (0.324)	0.007 (0.004)	169.33 (2.16)	2.5
<i>Trachurus declivis</i>	0.131 (0.072)	0.005 (0.003)	122.5 (0.46)	2.0
<i>Trachurus novaezelandiae</i>	9.279 (2.99)	0.159 (0.049)	146.87 (2)	11.5
<i>Trachypenaeus curvirostris</i>	1.202 (0.332)	0.292 (0.08)	15.96 (0.2)	21.5
<i>Triacanthodes ethiops</i>	0.051 (0.031)	0.01 (0.005)	43.92 (1.19)	3.0
<i>Trygonoptera testacea</i>	0.246 (0.246)	0.001 (0.001)		0.5
<i>Umbraculum umbraculum</i>	0.184 (0.184)	0.001 (0.001)	120 (0)	0.5
Unidentified Alcyonarian	0.001 (0.001)	< 0.001		0.5
Unidentified Ascidian	0.004 (0.004)	< 0.001	80 (0)	0.5
Unidentified Crinoid	0.086 (0.046)	0.02 (0.007)		5.5
Unidentified Gorgonian	0.017 (0.017)	< 0.001		0.5
Unidentified Hydroid	0.016 (0.01)	< 0.001	360 (0)	2.0
Unidentified Sponge	2.614 (0.84)	0.007 (0.004)		5.5
Unidentified Stomatopod	0.035 (0.026)	0.002 (0.001)	28.25 (0.18)	1.0
<i>Upeneichthys lineatus</i>	1.705 (1.355)	0.01 (0.005)	141.25 (2.49)	3.0
<i>Upeneus tragula</i>	0.931 (0.67)	0.033 (0.024)	102.42 (0.28)	1.5
<i>Uranoscopus cognatus</i>	0.012 (0.012)	0.001 (0.001)	80 (0)	0.5
<i>Uranoscopus terraereginae</i>	2.746 (0.922)	0.056 (0.023)	98.71 (4.62)	10.5
<i>Uroconger lepturus</i>	0.022 (0.022)	< 0.001	330 (0)	0.5
<i>Urolophus kapalensis</i>	1.037 (0.446)	0.007 (0.003)	161.56 (4.16)	4.0
<i>Urolophus sufflavus</i>	0.246 (0.246)	0.001 (0.001)	284 (0)	0.5
<i>Volva volva</i>	0.005 (0.005)	0.003 (0.003)	46 (0)	0.5
<i>Xanthid</i> sp.	0.087 (0.012)	0.221 (0.031)	8.27 (0.07)	30.5
<i>Xenophora indica</i>	0.347 (0.347)	0.021 (0.021)	39.5 (0)	0.5
<i>Xenophora peroniana</i>	2.027 (0.406)	0.17 (0.035)	38.68 (0.43)	21.0
<i>Zanclistiuss elevatus</i>	0.021 (0.021)	< 0.001	165 (0)	0.5
<i>Zebrias scalaris</i>	0.051 (0.051)	0.001 (0.001)	155 (0)	0.5
<i>Zenopsis nebulosus</i>	1.121 (0.523)	0.002 (0.001)	271.67 (2.53)	3.0
<i>Zeus faber</i>	3.115 (0.921)	0.011 (0.003)	211.67 (1.31)	6.0

Appendix 6. The mean catch rate (number m⁻²) of bycatch species from the 2000 Long-Term Monitoring scallop fishery-independent survey. Bycatch samples were retained from one net at 122 of the 374 sites that were trawled. These species and catch rates may not necessarily be representative of the scallop fishery bycatch because the survey was undertaken using prawn nets that have smaller mesh than the scallop nets.

Rank	Species	Mean catch rate (number m ⁻²)	Rank	Species	Mean catch rate (number m ⁻²)
1	<i>Metapenaeopsis palmensis</i>	0.005404	46	<i>Pseudorhombus spinosis</i>	0.000152
2	<i>Torquigener pallimaculatus</i>	0.004543		<i>Pseudorhombus</i>	
3	<i>Paramonacanthus otisensis</i>	0.003698	47	<i>dupliciocellatus</i>	0.000144
4	<i>Pristotis jerdoni</i>	0.003308	48	<i>Sepia papuensis</i>	0.000136
5	<i>Portunus rubromarginatus</i>	0.003173	49	<i>Choerodon cephalotes</i>	0.000131
6	<i>Paramonacanthus filicauda</i>	0.002278	50	<i>Arnoglossus intermedius</i>	0.000129
7	<i>Upeneus asymmetricus</i>	0.002187	51	<i>Pentapodus paradiseus</i>	0.000125
8	<i>Lethrinus genivittatus</i>	0.002049	52	<i>Tetrosomus concatenatus</i>	0.000124
9	<i>Trachypenaeus curvirostris</i>	0.001554	53	<i>Inegocia harrisii</i>	0.000118
10	<i>Engyprosopon grandisquama</i>	0.001474	54	<i>Onigocia spinosa</i>	0.000117
11	<i>Nemipterus theodori</i>	0.001177	55	<i>Synchiropus rameus</i>	0.000116
12	<i>Pentapodus nagasakiensis</i>	0.001063	56	<i>Engyprosopon sp</i>	0.000103
13	<i>Upeneus tragula</i>	0.000937	57	<i>Dactylopus dactylopus</i>	9.6E-05
14	<i>Saurida undosquamis</i>	0.000934	58	<i>Synodus sageneus</i>	9.44E-05
15	<i>Apistus carinatus</i>	0.000909	59	<i>Callionymus japonicus</i>	9.42E-05
16	<i>Siganus fuscescens</i>	0.000896	60	<i>Sillago ingenuua</i>	8.79E-05
17	<i>Callionymus limiceps</i>	0.000872	61	<i>Cottapistus cottoides</i>	8.7E-05
18	<i>Chlamys sp. 1</i>	0.00079	62	<i>Synodus hoshinonis</i>	8.63E-05
19	<i>Trachinocephalus myops</i>	0.000643	63	<i>Erosa erosa</i>	8.52E-05
20	<i>Lepidotrigla argus</i>	0.000596	64	<i>Urchin sp. 1</i>	8.21E-05
21	<i>Metapenaeopsis lamellata</i>	0.000461	65	<i>Apogon thermalis</i>	7.93E-05
22	<i>Torquigener perlevis</i>	0.00042	66	<i>Apogon capricornis</i>	6.82E-05
23	<i>Parapercis nebulosa</i>	0.000378	67	<i>Chaetoderma penicilligera</i>	6.65E-05
24	<i>Amusium pleuronectes</i>	0.000343	68	<i>Octopus sp</i>	6.56E-05
25	<i>Sorsogona tuberculata</i>	0.000335	69	<i>Arnoglossus fisoni</i>	6.51E-05
26	<i>Spatangoida sp</i>	0.000326	70	<i>Ascidian sp</i>	6.48E-05
27	<i>Inimicus sinensis</i>	0.000321	71	<i>Lepidotrigla umbrosa</i>	6.28E-05
28	<i>Apogon poecilopterus</i>	0.000313	72	<i>Portunus tenuipes</i>	6.26E-05
29	<i>Apogon cf semilineata</i>	0.000308	73	<i>Paramonacanthus lowei</i>	6.05E-05
30	<i>Parapriacanthus ransonneti</i>	0.000292	74	<i>Sillago robusta</i>	5.83E-05
31	<i>Portunus argentatus</i>	0.000281	75	<i>Apogon septemstriatus</i>	5.73E-05
32	<i>Amusium balloti</i>	0.000258	76	<i>Callionymus moretonensis</i>	5.69E-05
33	<i>Sepia opipara</i>	0.000243	77	<i>Suggrundus macracanthus</i>	5.69E-05
34	<i>Inegocia japonica</i>	0.000234	78	<i>Crinoid</i>	5.37E-05
35	<i>Gymnocranius elongatus</i>	0.000233	79	<i>Apogon kiensis</i>	5.28E-05
36	<i>Lepidotrigla cf japonica</i>	0.000229	80	<i>Cynoglossus sp</i>	5.19E-05
	<i>Grammatobothus</i>		81	<i>Dactyloptena papilio</i>	5.15E-05
37	<i>polyophthalmus</i>	0.000209	82	<i>Pseudorhombus elevatus</i>	5.06E-05
38	<i>Apogon nigripinnis</i>	0.000179	83	<i>Sicyonia cristata</i>	4.93E-05
39	<i>Pentaceraster sp</i>	0.000179	84	<i>Upeneus luzonius</i>	4.89E-05
40	<i>Euprymna sp. C</i>	0.000178	85	<i>Elates ransonneti</i>	4.78E-05
41	<i>Trachypenaeus granulatus</i>	0.000173	86	<i>Liocranium praepositum</i>	4.66E-05
42	<i>Batrachomoeus dubius</i>	0.000172	87	<i>Apogon brevicaudatus</i>	4.61E-05
43	<i>Sepia plangon</i>	0.000168	88	<i>Arnoglossus waitei</i>	4.46E-05
44	<i>Matuta inermis</i>	0.000166	89	<i>Thalamita intermedia</i>	4.45E-05
45	<i>Engyprosopon macroptera</i>	0.000153	90	<i>Callionymus belcheri</i>	4.45E-05

Rank	Species	Mean catch rate (number m ⁻²)	Rank	Species	Mean catch rate (number m ⁻²)
91	<i>Portunus haanii</i>	4.43E-05	143	<i>Aseraggodes melanostictus</i>	1.81E-05
92	<i>Solenocera pectinata</i>	4.41E-05	144	<i>Sirembo imberbis</i>	1.79E-05
93	<i>Penaeus longistylus</i>	4.4E-05	145	<i>Halophryne ocellatus</i>	1.75E-05
94	<i>Scyllarus demani</i>	4.36E-05	146	<i>Portunus sanguinolentus</i>	1.71E-05
95	<i>Apogon cf fuscomaculatus</i>	4.35E-05	147	<i>Bathypilumnus pugilator</i>	1.7E-05
96	<i>Penaeus plebejus</i>	4.26E-05	148	<i>Callionymus</i> sp.	1.69E-05
97	<i>Zebrias craticula</i>	3.95E-05		<i>Amblyrhynchotes</i>	
98	<i>Fungia</i> sp.	3.88E-05	149	<i>spinosissimus</i>	1.67E-05
99	<i>Apogon fasciatus</i>	3.87E-05	150	<i>Tathicarpus butleri</i>	1.65E-05
100	<i>Brachaluteres taylori</i>	3.77E-05	151	<i>Uranoscopus terraereginae</i>	1.62E-05
101	<i>Apogon ellioti</i>	3.77E-05	152	<i>Soleichthys heterorhinos</i>	1.61E-05
102	<i>Dactyloptena macracanthus</i>	3.71E-05	153	<i>Choerodon sugillatum</i>	1.6E-05
103	<i>Nemipterus hexodon</i>	3.62E-05	154	<i>Sebastapistes strongia</i>	1.57E-05
104	<i>Platycephalus arenarius</i>	3.58E-05	155	<i>Lupocyclus rotundatus</i>	1.49E-05
105	<i>Sea urchin</i> sp. 3 (CSIRO)	3.56E-05	156	<i>Diagramma pictum</i>	1.49E-05
106	<i>Dendrochirus brachypterus</i>	3.49E-05	157	<i>Hydroid</i>	1.42E-05
107	<i>Torquigener altipinnis</i>	3.41E-05	158	<i>Dasyatis kuhlii</i>	1.4E-05
108	<i>Peronella</i> sp.	3.37E-05	159	<i>Euprymna</i> sp. C	1.39E-05
109	<i>Portunus gracilimanus</i>	3.29E-05	160	<i>Nudibranch</i>	1.39E-05
110	<i>Crossorhombus azureus</i>	3.17E-05	161	<i>Carinosquilla australiensis</i>	1.38E-05
111	<i>Saurida</i> sp. 2	3.06E-05	162	<i>Psettina gigantea</i>	1.36E-05
112	<i>Pseudomonacanthus peroni</i>	2.97E-05	163	<i>Actinopyga miliaris</i>	1.32E-05
113	<i>Ascidian</i>	2.96E-05	164	<i>Pegasus volitans</i>	1.31E-05
114	<i>Lepidotrigla grandis</i>	2.95E-05	165	<i>Sea urchin</i> sp. 6 (CSIRO)	1.27E-05
115	<i>Stellaster equestris</i>	2.91E-05	166	<i>Carangoides malabaricus</i>	1.26E-05
116	<i>Selaroides leptolepis</i>	2.87E-05	167	<i>Leiognathus aureus</i>	1.26E-05
117	<i>Rogadius patriciae</i>	2.84E-05	168	<i>Jonas leuteanus</i>	1.24E-05
118	<i>Anthenea</i> sp.	2.76E-05	169	<i>Bivalve</i>	1.23E-05
119	<i>Sand dollar</i>	2.73E-05	170	<i>Tamaria</i> sp.	1.23E-05
120	<i>Apogon</i> sp.	2.69E-05	171	<i>Lutjanus vittus</i>	1.21E-05
121	<i>Tetrosomus gibbosus</i>	2.69E-05	172	<i>Diadema</i> sp.	1.16E-05
122	<i>Synodus indicus</i>	2.59E-05	173	<i>Fowleria</i> sp.	1.16E-05
123	<i>Pseudorhombus diplospilus</i>	2.53E-05	174	<i>Scyllarus</i> sp. A	1.15E-05
124	<i>Stichopus</i> sp.	2.5E-05	175	<i>Parupeneus pleurospilus</i>	1.14E-05
125	<i>Aploactis aspera</i>	2.49E-05	176	<i>Hyastenus diacanthus</i>	1.14E-05
126	<i>Trachypenaeus anchoralis</i>	2.47E-05	177	<i>Sargocentron rubrum</i>	1.11E-05
127	<i>Scyllarus</i> sp. Z	2.41E-05	178	<i>Apogon quadrifasciatus</i>	1.04E-05
128	<i>Lethrinus laticaudus</i>	2.35E-05	179	<i>Terapon theraps</i>	1.03E-05
129	<i>Sepia smithi</i>	2.31E-05	180	<i>Sepia whitleyana</i>	1.01E-05
130	<i>Basket star</i>	2.2E-05	181	<i>Carangoides talamparoides</i>	9.78E-06
131	<i>Metasepia pfefferi</i>	2.2E-05	182	<i>Euristhmus nudiceps</i>	9.73E-06
132	<i>Choerodon venustus</i>	2.18E-05	183	<i>Luidia maculata</i>	9.66E-06
133	<i>Charybdis jaubertensis</i>	2.18E-05	184	<i>Photololigo</i> sp.	9.51E-06
134	<i>Priacanthus macracanthus</i>	2.15E-05	185	<i>Portunus</i> sp.	9.27E-06
135	<i>Plotosus lineatus</i>	2.14E-05	186	<i>Sea star</i> sp. 3	9.08E-06
136	<i>Trixiptichthys weberi</i>	2.13E-05	187	<i>Urchin</i> sp. 2	9.01E-06
137	<i>Chaetodontoplus personifer</i>	2.08E-05	188	<i>Foa brachygramma</i>	8.99E-06
138	<i>Apogon cavitiensis</i>	1.99E-05	189	<i>Pterygotrigla hemisticta</i>	8.97E-06
139	<i>Holothuria ocellata</i>	1.96E-05	190	<i>Upeneus moluccensis</i>	8.88E-06
140	<i>Pseudorhombus jenynsii</i>	1.85E-05	191	<i>Matuta granulosa</i>	8.65E-06
141	<i>Urchin</i> sp. 3	1.83E-05	192	<i>Paracentropogon longispinis</i>	8.55E-06
142	<i>Thalamita sima</i>	1.81E-05	193	<i>Lethrinus nebulosus</i>	8.41E-06
			194	<i>Bohadschia marmorata</i>	7.96E-06

Rank	Species	Mean catch rate (number m ⁻²)	Rank	Species	Mean catch rate (number m ⁻²)
195	<i>Diploprion bifasciatum</i>	7.83E-06	247	<i>Epinephelus sexfasciatus</i>	3.67E-06
196	<i>Decapterus russellii</i>	7.78E-06	248	<i>Aptychotrema rostrata</i>	3.65E-06
197	<i>Hyastenus</i> sp. 4	7.6E-06	249	<i>Bryozoan</i>	3.61E-06
198	<i>Pentaprion longimanus</i>	7.55E-06	250	<i>Samaris macrolepis</i>	3.53E-06
199	<i>Synodus variegatus</i>	7.48E-06	251	<i>Peristrominous dolosus</i>	3.52E-06
200	<i>Pentapodus porosus</i>	7.45E-06	252	<i>Holothurian</i> sp. 3	3.48E-06
201	<i>Urchin</i> sp. 6	7.35E-06	253	<i>Rhynchoconger cf ectenurus</i>	3.46E-06
202	<i>Dasyatis leylandi</i>	7.12E-06	254	<i>Parapenaeus longipes</i>	3.41E-06
203	<i>Rhynchostracion nasus</i>	7.09E-06	255	<i>Charybdis natator</i>	3.37E-06
204	<i>Oratosquilla quinquedentata</i>	6.94E-06	256	<i>Arothron aerostaticus</i>	3.35E-06
205	<i>Carid</i> sp.	6.9E-06	257	<i>Platycephalus endrachtensis</i>	3.33E-06
206	<i>Lactoria cornutus</i>	6.61E-06	258	<i>Thenus indicus</i>	3.28E-06
207	<i>Petroscirtes lupus</i>	6.35E-06	259	<i>Apogon limenus</i>	3.25E-06
208	<i>Pseudochromis quinquedentatus</i>	6.27E-06	260	<i>Gonodactylus graphurus</i>	3.23E-06
209	<i>Coris caudimacula</i>	6.27E-06	261	<i>Lophopilumnus globosus</i>	3.21E-06
210	<i>Alcyonarian</i>	6.13E-06	262	<i>Pentaceraster regularis</i>	3.21E-06
211	<i>Abalistes stellaris</i>	5.95E-06	263	<i>Castostylus mosaicus</i>	3.2E-06
212	<i>Parupeneus barberoides</i>	5.94E-06	264	<i>Saurida filamentosa</i>	3.14E-06
213	<i>Sea star</i> sp. 14	5.89E-06	265	<i>Parascorpaena picta</i>	3.13E-06
214	<i>Bodianus vulpinus</i>	5.84E-06	266	<i>Aesopia cornuta</i>	3.13E-06
215	<i>Centriscus scutatus</i>	5.77E-06	267	<i>Ablabys taenianotus</i>	3.07E-06
216	<i>Pterocaesio diagramma</i>	5.72E-06	268	<i>Portunus pelagicus</i>	3.07E-06
217	<i>Leucosia ocellata</i>	5.69E-06	269	<i>Leiognathus bindus</i>	3.05E-06
218	<i>Sand ascidian</i>	5.68E-06	270	<i>Diodon holacanthus</i>	2.92E-06
219	<i>Valenciennesa</i> sp.	5.48E-06	271	<i>Parapercis clathrata</i>	2.92E-06
220	<i>Portunus</i> sp. 1	5.4E-06	272	<i>Scorpaenopsis venosa</i>	2.92E-06
221	<i>Strabozebrias cancellatus</i>	5.38E-06	273	<i>Aploactinidae</i> sp. 1 (undescribed)	2.9E-06
222	<i>Lagocephalus sceleratus</i>	5.38E-06	274	<i>Fistularia petimba</i>	2.85E-06
223	<i>Gorgonian</i>	5.28E-06	275	<i>Cociella crocodila</i>	2.85E-06
224	<i>Antennarius striatus</i>	5.26E-06	276	<i>Lutjanus sebae</i>	2.81E-06
225	<i>Sepioloidea lineolata</i>	5.25E-06	277	<i>Pomadasyd maculatum</i>	2.8E-06
226	<i>Scorpaenopsis</i> sp. B	5.21E-06	278	<i>Suezichthys gracilis</i>	2.76E-06
227	<i>Lutjanus adetti</i>	5.1E-06	279	<i>Solegnathus cf. hardwickii</i>	2.73E-06
228	<i>Sepiadarium austrinum</i>	5.08E-06	280	<i>Cylichthys jaculiferus</i>	2.71E-06
229	<i>Pseudorhombus arsius</i>	5.04E-06	281	<i>Myra</i> sp. B	2.68E-06
230	<i>Cypselurus</i> sp.	4.98E-06	282	<i>Phalangipes</i> sp. 1	2.67E-06
231	<i>Sepia mestus</i>	4.94E-06	283	<i>Choerodon cf frenatus</i>	2.65E-06
232	<i>Caluactaea tumida</i>	4.81E-06	284	<i>Suggrundus jugosus</i>	2.62E-06
233	<i>Dendrochirus zebra</i>	4.81E-06	285	<i>Euretaster insignis</i>	2.62E-06
234	<i>Paraploactis</i> sp.	4.81E-06	286	<i>Micippa</i> sp.	2.62E-06
235	<i>Trygonoptera testacea</i>	4.69E-06	287	<i>Sea star</i> sp. A	2.62E-06
236	<i>Sea star</i> sp. 99	4.51E-06	288	<i>Sea star</i> sp. B	2.62E-06
237	<i>Chaetodontoplus meredithi</i>	4.5E-06	289	<i>Sepioteuthis lessoniana</i>	2.59E-06
238	<i>Chlamys</i> sp. 2	4.45E-06	290	<i>Kanekonia queenslandica</i>	2.59E-06
239	<i>Lutjanus malabaricus</i>	4.4E-06	291	<i>Suezichthys devisi</i>	2.56E-06
240	<i>Astropecten</i> sp.	4.39E-06	292	<i>Uranoscopus cognatus</i>	2.56E-06
241	<i>Sepia</i> sp.	4.17E-06	293	<i>Thalamita oculatea</i>	2.54E-06
242	<i>Cirrhitichthys aprinus</i>	3.92E-06	294	<i>Urchin</i> sp. 10	2.54E-06
243	<i>Anchisomus multistriatus</i>	3.9E-06	295	<i>Monacanthus chinensis</i>	2.5E-06
244	<i>Scorpaenodes smithi</i>	3.88E-06	296	<i>Pteragogus amboinensis</i>	2.49E-06
245	<i>Cottapistus praepositus</i>	3.81E-06		<i>Pseudomonacanthus</i>	
246	<i>Ibacus brucei</i>	3.7E-06	297	<i>elongatus</i>	2.49E-06

Rank	Species	Mean catch rate (number m ⁻²)	Rank	Species	Mean catch rate (number m ⁻²)
298	<i>Gastropod</i> sp. AA	2.47E-06	349	<i>Oratosquilla inornata</i>	1.4E-06
299	<i>Charybdis bimaculata</i>	2.45E-06	350	<i>Lupocyclus phillipinensis</i>	1.4E-06
300	<i>Dromid</i> sp. A	2.44E-06	351	<i>Rhinobatus typus</i>	1.38E-06
301	<i>Pilumnid</i> sp. D	2.44E-06	352	<i>Hapalochlaena lunulata</i>	1.38E-06
302	<i>Pentacta anceps</i>	2.42E-06	353	<i>Parupeneus</i> sp.	1.38E-06
303	<i>Priacanthus hamrur</i>	2.39E-06	354	<i>Banareia</i> sp.	1.34E-06
304	<i>Stolephorus</i> sp.	2.39E-06	355	<i>Paraplagusia unicolor</i>	1.33E-06
305	<i>Coradion chrysozonus</i>	2.32E-06	356	<i>Fraudella carassiops</i>	1.32E-06
306	<i>Arothron stellatus</i>	2.28E-06	357	<i>Aulostomus chinensis</i>	1.29E-06
307	<i>Cynoglossus bilineatus</i>	2.23E-06	358	<i>Liocarcinus corrugatus</i>	1.27E-06
308	<i>Temnopleurus</i> sp.	2.22E-06	359	<i>Urchin</i> sp.	1.26E-06
309	<i>Nemipterus furcosus</i>	2.2E-06	360	<i>Eurypegasmus draconis</i>	1.26E-06
310	<i>Charybdis miles</i>	2.2E-06	361	<i>Pilumnid</i> sp. C	1.26E-06
311	<i>Charybdis truncata</i>	2.15E-06	362	<i>Choerodon zamboangae</i>	1.26E-06
312	<i>Engraulis australis</i>	2.06E-06	363	<i>Carangoides</i> sp.	1.25E-06
313	<i>Goniasteridae</i>	2.05E-06	364	<i>Choerodon monostigma</i>	1.25E-06
314	<i>Holothurian</i> sp. 102	2.04E-06	365	<i>Apogon coccineus</i>	1.25E-06
315	<i>Antennarius hispidus</i>	2.01E-06	366	<i>Harrouia</i> sp. 3	1.25E-06
316	<i>Minous trachycephalus</i>	2E-06	367	<i>Cryptopodia</i> sp. 1	1.24E-06
317	<i>Chaetodontoplus duboulayi</i>	1.98E-06	368	<i>Cryptopodia</i> sp. 2	1.24E-06
318	<i>Hyastenus</i> sp. 6	1.98E-06	369	<i>Sicyonia rectirostris</i>	1.24E-06
319	<i>Paramonacanthus elongatus</i>	1.98E-06	370	<i>Charybdis</i> sp.	1.21E-06
320	<i>Zebrias quagga</i>	1.96E-06	371	<i>Dromid</i> sp. A	1.18E-06
321	<i>Sea pen</i>	1.93E-06	372	<i>Glossanodon</i> sp.	1.18E-06
322	<i>Sea urchin</i> sp. 68	1.92E-06	373	<i>Dorippe quadridens</i>	1.16E-06
323	<i>Quallastris gonypetes</i>	1.91E-06	374	<i>Ichthyoscopus insperatus</i>	1.16E-06
324	<i>Penaeus esculentus</i>	1.9E-06	375	<i>Scorpaenoides varippinnis</i>	1.15E-06
325	<i>Cymbacephalus nematophthalmus</i>	1.87E-06	376	<i>Raniniidae</i> sp.	1.06E-06
326	<i>Microcanthus strigatus</i>	1.87E-06	377	<i>Hypodistoma</i> sp.	1.04E-06
327	<i>Scolopsis monogramma</i>	1.87E-06	378	<i>Scorpaenopsis</i> sp. A	1.04E-06
328	<i>Sea star</i> sp. 13	1.87E-06	379	<i>Lepidotrigla callodactyla</i>	9.86E-07
329	<i>Penaeus latisulcatus</i>	1.84E-06	380	<i>Saurida micropectoralis</i>	9.86E-07
330	<i>Pseudorhombus spinosus</i>	1.8E-06	381	<i>Urchin</i> sp. 68	9.86E-07
331	<i>Stellaster</i> sp.	1.8E-06	382	<i>Stellaster</i> sp. 2	9.6E-07
332	<i>Metapenaeopsis</i> sp.	1.79E-06	383	<i>Herklotsichthys lippa</i>	9.5E-07
333	<i>Pseudorhombus quinqueocellatus</i>	1.78E-06	384	<i>Pilumnid</i> sp. A	8.97E-07
334	<i>Minous versicolor</i>	1.77E-06	385	<i>Dardanus</i> sp. E	8.96E-07
335	<i>Charybdis yaldwyni</i>	1.71E-06	386	<i>Epinephelus undulostriatus</i>	8.96E-07
336	<i>Portunus rugosus</i>	1.67E-06	387	<i>Hyastenus</i> sp. 1	8.96E-07
337	<i>Atergatis</i> sp. 1	1.6E-06	388	<i>Ogilbia</i> sp.	8.96E-07
338	<i>Gaillardielus ruepelli</i>	1.6E-06	389	<i>Etrumeus teres</i>	8.32E-07
339	<i>Pilumnus</i> sp. X	1.6E-06	390	<i>Oratosquilla interrupta</i>	8.3E-07
340	<i>Porcellanid</i> s. p6	1.6E-06	391	<i>Pterois volitans</i>	8.09E-07
341	<i>Rhabdamia cypselurus</i>	1.6E-06	392	<i>Coccotropus</i> sp.	7.78E-07
342	<i>Odontodactylus</i> sp.	1.54E-06	393	<i>Hyastenus cambelli</i>	7.78E-07
343	<i>Philine</i> sp.	1.54E-06	394	<i>Pseudorhombus argus</i>	7.78E-07
344	<i>Pilumnus semilanatus</i>	1.54E-06	395	<i>Centropogon</i> sp.	7.73E-07
345	<i>Portunus granulatus</i>	1.51E-06	396	<i>Pomacentridae</i>	7.73E-07
346	<i>Urchin</i> sp. 5	1.5E-06	397	<i>Lophopilumnus</i> sp.	7.7E-07
347	<i>Torquigener whitleyi</i>	1.46E-06	398	<i>Majidae</i> sp. 1	7.36E-07
348	<i>Arcania</i> sp.	1.43E-06	399	<i>Leiognathus moretoniensis</i>	6.87E-07
			400	<i>Pontocaris orientalis</i>	6.5E-07

Rank	Species	Mean catch rate (number m⁻²)
401	<i>Apolectus niger</i>	6.3E-07
402	<i>Gnathophis</i> sp.	6.3E-07
403	<i>Zabidius novaemaculatus</i>	6.3E-07
404	<i>Upeneichthys lineatus</i>	6.24E-07
405	<i>Urchin</i> sp. 11 (CSIRO)	6.24E-07
406	<i>Jonas</i> sp.	5.97E-07
407	<i>Metapenaeus ensis</i>	5.97E-07
408	<i>Thenus orientalis</i>	5.97E-07
409	<i>Rastrelliger brachysoma</i>	5.82E-07
410	<i>Aipysurus laevis</i>	2.52E-07
411	<i>Lapemis hardwickii</i>	1.91E-07
412	<i>Hydrophis elegans</i>	1.85E-07
413	<i>Trachyrhamphus biaculeatus</i>	1.82E-07

Appendix 7. List of all Syngnathids caught from 1619 individual nets trawls obtained during the project. Details of the sector, fishing trip, trip shot and net where each individual was obtained, and the total length of the individual, are provided.

Trawl Sector	Trip	Trip shot	Net	Species	Length (mm)
Tiger/endeavour	2	19	Outer Starboard	<i>Filicampus tigrus</i>	275
Tiger/endeavour	2	20	Inner Port	<i>Filicampus tigrus</i>	255
Tiger/endeavour	2	35	Inner Starboard	<i>Filicampus tigrus</i>	271
Tiger/endeavour	2	43	Outer Starboard	<i>Hippocampus queenslandicus</i>	55
Eastern King Prawn	59	17	Port	<i>Hippocampus queenslandicus</i>	90
Eastern King Prawn	59	39	Starboard	<i>Hippocampus queenslandicus</i>	85
Eastern King Prawn	59	41	Port	<i>Hippocampus queenslandicus</i>	120
Eastern King Prawn	59	51	Port	<i>Hippocampus queenslandicus</i>	125
Eastern King Prawn	59	16	Port	<i>Solegnathus dunckeri</i>	130
Eastern King Prawn	59	16	Port	<i>Solegnathus dunckeri</i>	115
Eastern King Prawn	52	2	Port	<i>Solegnathus cf. hardwickii</i>	195
Eastern King Prawn	52	10	Port	<i>Solegnathus cf. hardwickii</i>	355
Eastern King Prawn	58	1	Port	<i>Solegnathus cf. hardwickii</i>	140
Eastern King Prawn	58	2	Port	<i>Solegnathus cf. hardwickii</i>	140
Eastern King Prawn	58	3	Starboard	<i>Solegnathus cf. hardwickii</i>	140
Eastern King Prawn	58	3	Starboard	<i>Solegnathus cf. hardwickii</i>	140
Eastern King Prawn	58	4	Starboard	<i>Solegnathus cf. hardwickii</i>	185
Eastern King Prawn	58	4	Starboard	<i>Solegnathus cf. hardwickii</i>	185
Eastern King Prawn	58	6	Port	<i>Solegnathus cf. hardwickii</i>	165
Eastern King Prawn	58	6	Port	<i>Solegnathus cf. hardwickii</i>	165
Eastern King Prawn	58	8	Port	<i>Solegnathus cf. hardwickii</i>	130
Eastern King Prawn	58	8	Port	<i>Solegnathus cf. hardwickii</i>	130
Eastern King Prawn	59	7	Port	<i>Solegnathus cf. hardwickii</i>	342
Eastern King Prawn	59	8	Port	<i>Solegnathus cf. hardwickii</i>	342
Eastern King Prawn	59	8	Port	<i>Solegnathus cf. hardwickii</i>	364
Eastern King Prawn	59	10	Port	<i>Solegnathus cf. hardwickii</i>	270
Eastern King Prawn	59	10	Port	<i>Solegnathus cf. hardwickii</i>	281
Eastern King Prawn	59	10	Port	<i>Solegnathus cf. hardwickii</i>	256
Eastern King Prawn	59	10	Port	<i>Solegnathus cf. hardwickii</i>	250
Eastern King Prawn	59	10	Port	<i>Solegnathus cf. hardwickii</i>	259
Eastern King Prawn	59	10	Port	<i>Solegnathus cf. hardwickii</i>	254
Eastern King Prawn	59	10	Port	<i>Solegnathus cf. hardwickii</i>	230
Eastern King Prawn	59	10	Port	<i>Solegnathus cf. hardwickii</i>	209
Eastern King Prawn	59	10	Port	<i>Solegnathus cf. hardwickii</i>	210
Eastern King Prawn	59	10	Starboard	<i>Solegnathus cf. hardwickii</i>	245
Eastern King Prawn	59	11	Port	<i>Solegnathus cf. hardwickii</i>	230
Eastern King Prawn	59	11	Port	<i>Solegnathus cf. hardwickii</i>	273
Eastern King Prawn	59	11	Port	<i>Solegnathus cf. hardwickii</i>	220
Eastern King Prawn	59	11	Port	<i>Solegnathus cf. hardwickii</i>	175
Eastern King Prawn	59	11	Starboard	<i>Solegnathus cf. hardwickii</i>	200
Eastern King Prawn	59	11	Starboard	<i>Solegnathus cf. hardwickii</i>	235
Eastern King Prawn	59	11	Starboard	<i>Solegnathus cf. hardwickii</i>	190
Eastern King Prawn	59	13	Port	<i>Solegnathus cf. hardwickii</i>	209
Eastern King Prawn	59	13	Port	<i>Solegnathus cf. hardwickii</i>	247
Eastern King Prawn	59	13	Port	<i>Solegnathus cf. hardwickii</i>	285
Eastern King Prawn	59	13	Port	<i>Solegnathus cf. hardwickii</i>	253
Eastern King Prawn	59	13	Port	<i>Solegnathus cf. hardwickii</i>	166
Eastern King Prawn	59	13	Port	<i>Solegnathus cf. hardwickii</i>	262

Trawl Sector	Trip	Trip shot	Net	Species	Length (mm)
Eastern King Prawn	59	14	Port	<i>Solegnathus cf. hardwickii</i>	337
Eastern King Prawn	59	14	Port	<i>Solegnathus cf. hardwickii</i>	185
Eastern King Prawn	59	14	Port	<i>Solegnathus cf. hardwickii</i>	262
Eastern King Prawn	59	14	Port	<i>Solegnathus cf. hardwickii</i>	269
Eastern King Prawn	59	14	Port	<i>Solegnathus cf. hardwickii</i>	231
Eastern King Prawn	59	14	Port	<i>Solegnathus cf. hardwickii</i>	236
Eastern King Prawn	59	14	Port	<i>Solegnathus cf. hardwickii</i>	266
Eastern King Prawn	59	14	Port	<i>Solegnathus cf. hardwickii</i>	247
Eastern King Prawn	59	14	Starboard	<i>Solegnathus cf. hardwickii</i>	205
Eastern King Prawn	59	14	Port	<i>Solegnathus cf. hardwickii</i>	190
Eastern King Prawn	59	15	Starboard	<i>Solegnathus cf. hardwickii</i>	263
Eastern King Prawn	59	15	Starboard	<i>Solegnathus cf. hardwickii</i>	231
Eastern King Prawn	59	15	Starboard	<i>Solegnathus cf. hardwickii</i>	205
Eastern King Prawn	59	15	Starboard	<i>Solegnathus cf. hardwickii</i>	251
Eastern King Prawn	59	15	Starboard	<i>Solegnathus cf. hardwickii</i>	258
Eastern King Prawn	59	15	Port	<i>Solegnathus cf. hardwickii</i>	219
Eastern King Prawn	59	15	Port	<i>Solegnathus cf. hardwickii</i>	210
Eastern King Prawn	59	15	Port	<i>Solegnathus cf. hardwickii</i>	216
Eastern King Prawn	59	15	Port	<i>Solegnathus cf. hardwickii</i>	200
Eastern King Prawn	59	16	Port	<i>Solegnathus cf. hardwickii</i>	228
Eastern King Prawn	59	16	Port	<i>Solegnathus cf. hardwickii</i>	254
Eastern King Prawn	59	16	Port	<i>Solegnathus cf. hardwickii</i>	242
Eastern King Prawn	59	16	Port	<i>Solegnathus cf. hardwickii</i>	172
Eastern King Prawn	59	16	Port	<i>Solegnathus cf. hardwickii</i>	214
Eastern King Prawn	59	16	Port	<i>Solegnathus cf. hardwickii</i>	176
Eastern King Prawn	59	16	Port	<i>Solegnathus cf. hardwickii</i>	153
Eastern King Prawn	59	16	Starboard	<i>Solegnathus cf. hardwickii</i>	253
Eastern King Prawn	59	16	Starboard	<i>Solegnathus cf. hardwickii</i>	245
Eastern King Prawn	59	16	Starboard	<i>Solegnathus cf. hardwickii</i>	168
Eastern King Prawn	59	16	Starboard	<i>Solegnathus cf. hardwickii</i>	242
Eastern King Prawn	59	16	Starboard	<i>Solegnathus cf. hardwickii</i>	153
Eastern King Prawn	59	16	Starboard	<i>Solegnathus cf. hardwickii</i>	169
Eastern King Prawn	59	16	Starboard	<i>Solegnathus cf. hardwickii</i>	177
Eastern King Prawn	59	16	Starboard	<i>Solegnathus cf. hardwickii</i>	220
Eastern King Prawn	59	17	Starboard	<i>Solegnathus cf. hardwickii</i>	157
Eastern King Prawn	59	17	Port	<i>Solegnathus cf. hardwickii</i>	191
Eastern King Prawn	59	18	Port	<i>Solegnathus cf. hardwickii</i>	164
Eastern King Prawn	59	18	Port	<i>Solegnathus cf. hardwickii</i>	145
Eastern King Prawn	59	18	Port	<i>Solegnathus cf. hardwickii</i>	145
Eastern King Prawn	59	22	Port	<i>Solegnathus cf. hardwickii</i>	207
Eastern King Prawn	59	23	Starboard	<i>Solegnathus cf. hardwickii</i>	185
Eastern King Prawn	59	25	Starboard	<i>Solegnathus cf. hardwickii</i>	276
Eastern King Prawn	59	30	Starboard	<i>Solegnathus cf. hardwickii</i>	172
Eastern King Prawn	59	49	Port	<i>Solegnathus cf. hardwickii</i>	205
Eastern King Prawn	63	14	Starboard	<i>Solegnathus cf. hardwickii</i>	335
Eastern King Prawn	63	41	Port	<i>Solegnathus cf. hardwickii</i>	205
Scallop	102	1	Outer Port	<i>Solegnathus cf. hardwickii</i>	380
Scallop	106	30	Outer Port	<i>Solegnathus cf. hardwickii</i>	440
Scallop	106	37	Inner Starboard	<i>Solegnathus cf. hardwickii</i>	402
Scallop	106	42	Outer Starboard	<i>Solegnathus cf. hardwickii</i>	478
Scallop	106	43	Outer Port	<i>Solegnathus cf. hardwickii</i>	470