

Taxon	Species	Area fished (hectares) Station	Density (ha-1)						Biomass (gha-1)					
			2.532	6.833	10.751	4.714	4.571	4.316	2.532	6.833	10.751	4.714	4.571	4.316
			15773#8	15773#17	15773#23	15773#32	15775#13	15775#4	15773#8	15773#17	15773#23	15773#32	15775#13	15775#4
Asteroidea	Eremicaster crassus		9.48	8.20		15.91	1.53	5.10	17.89	17.47		23.19	6.08	18.79
Asteroidea	Freyella sp.				0.19						0.47			
Asteroidea	Hymenaster crucifer		3.16	4.39	1.58	2.33			92.93	126.84	49.86	58.02		
Asteroidea	Hyphalaster australis		1.58	2.78	8.74	2.76	1.97	1.62	3.79	8.88	17.91	9.21	12.40	9.43
Asteroidea	Hyphalaster inermis			0.73		0.85		1.85		4.96		7.02		45.51
Asteroidea	Lonchotaster tartareus			0.44			2.41	6.02		17.88			26.19	109.48
Asteroidea	Lophaster ?antarcticus			0.44						0.44				
Asteroidea	Paralophaster lorioli		0.79	0.29		0.21	0.66	0.93	1.30	0.94		0.11	1.31	1.25
Asteroidea	Porcellanaster ceruleus		4.74	1.02	1.30	7.85	26.47	30.35	2.84	0.45	0.54	3.80	8.37	9.61
Asteroidea	Pteraster ?hunteri			0.15						0.18				
Asteroidea	Pteraster sp.		1.18						0.95					
Asteroidea	Styracaster robustus		5.53	9.22	4.28	9.55	13.56	12.74	63.23	55.96	29.88	69.41	214.31	247.15
Ophiuroidea	Amphioplus antarctica					40.94						8.82		
Ophiuroidea	Amphioplus daleus		148.10	99.08	62.88	289.78	37.19	38.69	40.19	30.37	18.81	69.82	6.77	6.46
Ophiuroidea	Amphiura studeri (antarctica)		27.25	13.46	11.72	0.00			5.09	2.90	2.38			
Ophiuroidea	Ophiernus quadrispinus		10.66	12.59	5.21			3.94	5.61	5.69	2.28			2.37
Ophiuroidea	Ophiolepis ?scissa			2.93				1.16		0.34				0.06
Ophiuroidea	Ophiotrema tertium			0.15			31.72	116.77		0.01			3.65	15.02
Ophiuroidea	Ophiuria irrorata loveni		30.81	49.17	28.18	67.88	11.38	30.35	29.86	47.08	24.19	64.35	10.66	28.71
Ophiuroidea	Ophiuria lienosa		277.25	146.06	69.67	506.15	147.01	179.10	92.69	40.42	17.50	121.20	57.68	71.57
Ophiuroidea	Opiacantha cosmica		11.45	5.56	4.09	15.49	19.25	47.73	4.03	3.53	2.67	8.40	7.66	30.63
Echinoidea	Echinoidea spp fragments total								12.16	0.44	1.79		4.44	61.58
Echinoidea	Kamptosoma abyssale			0.15	0.37	0.42	0.66	2.09		0.70	2.40	2.08	2.63	7.97
Holothuroidea	Abyssocucumis abyssorum		26.86	23.71	0.37	41.79	5.91	4.40	316.59	170.38	0.85	413.19	46.90	34.66
Holothuroidea	Amperima robusta		15.01	40.68	20.18	32.03	4.59	3.71	112.84	184.00	173.32	179.55	3.04	1.30
Holothuroidea	Bathyplores gourdoni		1.18		0.28	0.21			2.05		0.78	0.04		
Holothuroidea	Bathyplores natans			0.15		0.21				0.69		0.36		
Holothuroidea	Benthodytes abyssicola		3.16	4.98	6.42	6.36	2.84	4.17	197.87	281.69	369.56	440.64	143.82	119.37
Holothuroidea	Benthodytes sanguinolenta		11.45	14.93	12.37	16.97	3.72	2.55	320.26	230.51	326.57	262.71	68.30	66.52
Holothuroidea	Benthodytes wolffi		1.18	0.73	0.09	4.03	5.69	3.01	54.11	12.59	0.17	69.52	33.41	34.92
Holothuroidea	Ellipinion papillosum		1.97	0.29		1.91	0.22	0.93	14.89	0.75		12.22	0.04	0.58
Holothuroidea	Elpidia ?theeli						11.81	7.18					1.11	0.39
Holothuroidea	Enypniastes exigua		0.39						1.07					
Holothuroidea	Gebrukothuria profundus				0.09						14.00			
Holothuroidea	Kolga nana						2.84	338.74					0.23	17.28
Holothuroidea	Laetmogone wyvillethomsoni		2.76	1.32	1.21	1.91			27.13	12.59	27.17	8.95		
Holothuroidea	Mesothuria edwardensis						0.44						4.92	
Holothuroidea	Molpadia blakei		0.79	3.07	1.40	4.24	0.88	0.70	42.46	47.56	60.27	89.41	11.31	2.09
Holothuroidea	Molpadiodemas aff atlanticus		14.22	29.42	26.79	56.43			649.13	624.02	1125.12	1885.00		
Holothuroidea	Molpadiodemas crinitus		0.79	0.88	0.56	1.91			28.59	18.10	13.60	25.69		
Holothuroidea	Molpadiodemas involutus				0.19						0.13			
Holothuroidea	Molpadiodemas morbillus		4.34	9.81	7.53	16.76			296.25	388.10	453.06	861.46		
Holothuroidea	Molpadiodemas translucens		0.79	0.73	0.28	0.85	0.22	0.46	3.55	3.48	1.36	3.84	0.24	3.75
Holothuroidea	Molpadiodemas villus			0.15	0.65					0.25	2.98			
Holothuroidea	Oneirophanta mutabilis		16.98	21.95	17.86	35.43	0.66	4.17	212.40	259.92	247.74	466.84	0.24	17.68
Holothuroidea	Paelopatides confundens					0.85						7.68		
Holothuroidea	Paelopatides grisea		2.76	2.20	3.53	7.85	1.09	0.23	32.94	39.18	117.56	152.61	9.69	3.92
Holothuroidea	Paroriza sp. A				0.09						21.04			
Holothuroidea	Paroriza sp. B					0.21						3.63		
Holothuroidea	Peniagone crozeti		280.41	207.38	165.38	471.79	18.38	6.49	1353.44	553.23	552.97	1658.78	40.47	13.44
Holothuroidea	Peniagone affinis		3.95	3.51	2.51	5.09	78.98	113.30	49.76	24.62	10.52	57.28	365.35	677.07

Holothuroidea	Peniagone challengerii	65.96	65.86	59.53	88.46	6.13	5.10	188.47	110.89	119.32	141.79	14.37	6.72		
Holothuroidea	Peniagone diaphana	0.39		0.09		1.09	0.46	0.51		0.10		0.20	0.23		
Holothuroidea	Peniagone elongata	9.87	9.66	17.02	14.85	66.94	52.83	42.30	29.97	47.56	44.25	85.04	65.66		
Holothuroidea	Peniagone gracilis	0.79	0.59	1.02	0.85	14.00	6.95	2.69	0.44	1.58	2.50	8.25	2.72		
Holothuroidea	Peniagone horrifera	4.74	0.44	0.84	0.42	20.56	8.11	11.33	0.69	1.33	0.64	17.65	9.22		
Holothuroidea	Peniagone purpurea					12.69	5.10					4.38	2.32		
Holothuroidea	Peniagone vitrea	0.79	0.44	0.28	1.06	8.09	12.97	1.03	0.37	0.32	0.87	7.74	9.13		
Holothuroidea	Peniagone willemoesi	1.97	1.90	1.77	1.70	99.32	91.98	5.33	4.96	5.24	3.01	157.97	113.99		
Holothuroidea	Protankyra brychia	2.76	2.34	0.74	4.03		4.17	8.45	4.05	1.55	10.27		15.18		
Holothuroidea	Pseudostichopus echinatus			0.09						0.10					
Holothuroidea	Pseudostichopus mollis	0.79	1.61	1.67	1.70	0.22	0.46	2.73	4.20	4.64	4.54	2.03	5.68		
Holothuroidea	Pseudostichopus peripatus	5.13	0.88	3.35		1.97		3.79	1.26	1.93		0.97			
Holothuroidea	Pseudostichopus sp.		0.15	0.19					0.28	0.27					
Holothuroidea	Psychreplidia verrucosa	1.18	0.73	0.65	0.21	1.75	0.23	3.95	0.66	0.55	0.19	2.87	0.14		
Holothuroidea	Psychroplanes convexus			0.09		2.19	3.01			0.39		1.44	1.99		
Holothuroidea	Psychropotes scotiae	2.76	0.59	1.40	0.64	0.22	3.48	110.78	22.22	122.22	36.61	0.02	15.75		
Holothuroidea	Psychropotes longicauda	8.29	14.20	10.70	19.52	1.53	3.94	1137.68	1098.58	1140.28	1568.48	115.07	95.76		
Holothuroidea	Psychrotrepes discoveryi		0.59	0.47	1.06	0.88	1.16		3.76	33.79	27.13	4.68	4.36		
Holothuroidea	Scotoplanes globosa	1.97	2.34	0.84	2.33			94.31	46.45	28.43	98.79				
Holothuroidea	Ypsilothuria sp.		0.15	0.47	0.42				0.31	0.76	0.57				
Holothuroidea	Zygothuria lactea					0.44						0.35			
							ANOVA						ANOVA		
	Total	1028.44	824.53	567.11	1804.20	670.09	1168.44	ns	5701.25	4536.46	5185.82	8984.47	1514.28	2007.40	p=0.007
	Asteroidea	26.46	27.66	16.09	39.46	46.60	58.62	ns	182.94	234.01	98.66	170.75	268.66	441.21	ns
	Ophiuroidea	505.53	328.99	181.75	920.24	246.55	417.75	ns	177.47	130.33	67.83	272.59	86.43	154.82	ns
	Echinoidea	0.00	0.15	0.37	0.42	0.66	2.09	ns	12.16	1.14	4.19	2.08	7.07	69.56	ns
	Holothuroidea	496.45	467.73	368.90	844.08	376.29	689.99	ns	5328.67	4170.98	5015.14	8539.05	1152.12	1341.80	p=0.003
	Asteroidea %	2.57	3.35	2.84	2.19	6.95	5.02	0.009	3.21	5.16	1.90	1.90	17.74	21.98	0.001
	Ophiuroidea %	49.16	39.90	32.05	51.01	36.79	35.75	ns	3.11	2.87	1.31	3.03	5.71	7.71	0.018
	Echinoidea %	0.00	0.02	0.07	0.02	0.10	0.18	ns	0.21	0.03	0.08	0.02	0.47	3.46	ns
	Holothuroidea %	48.27	56.73	65.05	46.78	56.15	59.05	ns	93.47	91.94	96.71	95.04	76.08	66.84	0.002