Diet compositions of sharks

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
CARCHARHINIFORMES																			
CARCHARHINIDAE																			
Hueter 94	*C. acronotus*	GM	%IRI	1			13	97.2		0.6	1.2								
				1			13	1264	0	8	16	0	0	0	0	0	0	0	1287
							13	98.2	0.0	0.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Stevens 84b	*C. albimarginatus*	SWI	%O	1	8	37.5	5	100	20										
Bass et al. 73	*C. albimarginatus*	SWI	%O	1	22	54.5	10	70	10			10					10		
				2			15	1200	200	0	0	100	0	0	0	0	100	0	1600
								75.0	12.5	0.0	0.0	6.3	0.0	0.0	0.0	0.0	6.3	0.0	100.0
Bass et al. 73	*C. altimus*	SWI	%O	1	23	21.7	18	55.5	16.7			5.5					44.4		
Stevens and McLoughlin 91	*C. altimus*	EI/SWP	%O	1	5	60	2	50	50		50						50		
Moreno and Hoyos 83	*C. altimus*	MED	%O	1			2	100									100		
				3			22	1299	401	0	100	99	0	0	0	0	1099	0	2998
								43.3	13.4	0.0	3.3	3.3	0.0	0.0	0.0	0.0	36.7	0.0	100.0
Wass 71	*C. amblyrhynchos*	CP	%O	1	92	71	27	93	19		4								
De Crosta et al. 84	*C. amblyrhynchos*	CP	%O	1	95	48.4	49	69.4	22.4		4								
Mc Kibben and Nelson 86	*C. amblyrhynchos*	SWP	%O	1	25	84	4	100											
Salini et al. 92	*C. amblyrhynchos*	SWP	%W	1	62	42	36	64.3	11.6		24.1								
Salini et al. 92	*C. amblyrhynchos*	SWP	%W	1			30	75.6	0.2		11.6								
Salini et al. 90	*C. amblyrhynchos*	SWP	%O	1			30	77	17		47							10	
Salini et al. 94	*C. amblyrhynchos*	SWP	%W	1	13	38.5	8	23	36.8		40.1	0.2							
Stevens and McLoughlin 91	*C. amblyrhynchos*	EI/SWP	%O	1	17	88.2	2	50										50	
Wetherbee et al. 97	*C. amblyrhynchos*	CP	%O	1	153	60.1	61	85.2	29.5		4.9								
Salini et al. 98	*C. amblyrhynchos*	SWP	%O	1	7	14.3	6	100											
				10			253	19286	4638	0	3549	2	0	0	0	0	0	400	27875
								69.2	16.6	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0	1.4	100.0
Salini et al. 92	*C. amblyrhynchoides*	SWP	%W	1	55	32.7	37	98.9			1								
Stevens and McLoughlin 91	*C. amblyrhynchoides*	EI/SWP	%O	1	186	31.7	127	91.3	3.9		6.3						3.9		
				2			164	15254	495	0	837	0	0	0	0	0	495	0	17082
								89.3	2.9	0.0	4.9	0.0	0.0	0.0	0.0	0.0	2.9	0.0	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Bass et al. 73	*C. amboinensis*	SWI	%O	1	24	37.5	15	66.7	20	20	13.3						20		
Cliff and Dudley 91b	*C. amboinensis*	SWI	%IRI	1		38.7	61	60.2	0.9	0.1	0.7						38		
Cliff and Dudley 91b	*C. amboinensis*	SWI	%O	1			42	59.8	7.2		11.9					2.4	38.2		
Stevens and McLoughlin 9	*C. amboinensis*	EI/SWP	%O	1	31	41.9	18	83.3	11.1		22.2						5.6		
				4			136	8684	857	306	1142	0	0	0	0	101	4323	0	15413
								56.3	5.6	2.0	7.4	0.0	0.0	0.0	0.0	0.7	28.0	0.0	100.0
Bass et al. 73	*C. brachyurus*	SWI	%O	1	57	42.1	33	81.8	18.2								21.2		
Cliff and Dudley 92	*C. brachyurus*	SWI	%IRI	1	1224	36.7	184	99.8	0.06			0				0.03	0.06		
Cliff and Dudley 92	*C. brachyurus*	SWI	%O	1			229	100	4.3							0.4	0.8		
Smale 91	*C. brachyurus*	SWI	%IRI	1			119	23.7	76.1		0.02	0.04					0.1	0.1	
Smale 91	*C. brachyurus*	SWI	%IRI	1			28	46.6	44.7								8.7		
Sauer and Smale 9	*C. brachyurus*	SWI	%IRI	1	26	42.3	15	96.5	0.1								3.4		
				6			608	49535	11905	0	2	5	0	0	0	97	1200	12	62757
								78.9	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.9	0.0	100.0
Bass et al. 73	*C. brevipinna*	SWI	%O	1	189	43.9	106	97.2	2.8								0.9		
Stevens 84b	*C. brevipinna*	SWP	%O	1	20	90	2	100											
Stevens and McLoughlin 91	*C. brevipinna*	EI/SWP	%O	1	111	54.1	51	86.3	7.8		2							3.9	
Capape 75b	*C. brevipinna*	MED	%O	1	37	19	30	100	16		10								
				4			189	17905	1175	0	402	0	0	0	0	0	95	199	19775
								90.5	5.9	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	100.0
Salini et al. 92	*C. cautus*	SWP	%W	1	21	47.6	11	100											
Salini et al. 92	*C. cautus*	SWP	%W	1			20	97.1	1.6		1.3								
Salini et al. 90	*C. cautus*	SWP	%O	1			20	75	10		40							5	
Salini et al. 92	*C. cautus*	SWP	%W	1	3	33.3	2	95.4	4										
Lyle 87	*C. cautus*	SWP	%O	1	268	43.7	151	68.9	13.3		23.2			0.7	6				
				5			204	15137	2248	0	4329	0	0	106	906	0	0	100	22826
								66.3	9.8	0.0	19.0	0.0	0.0	0.5	4.0	0.0	0.0	0.4	100.0
Salini et al. 92	*C. dussumieri*	SWP	%W	1	110	22.7	85	52.5	7		38.5								
Salini et al. 92	*C. dussumieri*	SWP	%W	1			40	64.8	0.3		33.8								
Salini et al. 90	*C. dussumieri*	SWP	%O	1			40	58	5		100	5						5	
Salini et al. 92	*C. dussumieri*	SWP	%W	1	1		1				100								
Salini et al. 94	*C. dussumieri*	SWP	%W	1	150	14.7	128	62.2	13.9	0.7	10.4	8.9							
Stevens and McLoughlin 91	*C. dussumieri*	EI/SWP	%O	1	526	38.4	324	76.2	20.7		26.2								
Simpfendorfer and Milward 9	*C. dussumieri*	SWP	%O	1			18	77.8			55.5								
				7			636	43425	9293	90	####	1339	0	0	0	0	0	200	73891

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
								58.8	12.6	0.1	26.4	1.8	0.0	0.0	0.0	0.0	0.0	0.3	100.0
Stevens 84a	*C. falciformis*	SWI	%O	1	7	57.1	2	100											
Stevens 84a	*C. falciformis*	SWP	%O	1	4	50	2	100											
Bass et al. 73	*C. falciformis*	SWI	%O	1	4	75	1	100											
Fourmanoir 61	*C. falciformis*	SWI	%O	1			1		100										
Backus 57	*C. falciformis*	NWA	%O	1	7	28.6	5	80	80										
Bane 66	*C. falciformis*	EA	%O	1			2	50	100										
Branstetter 87	*C. falciformis*	NWA	%O	1			4	100	75										
Stevens and McLoughlin 91	*C. falcifornis*	EI/SWP	%O	1	26	73.1	5	80	80		20								
Strasburg 58	*C. falcifornis*	CP	%O	1	29	75.9	7	42.9	42.9		14.3								
Tavares 97	*C. falcifornis*	CARIB	%IRI	1	44	59	18	89	11										
				10			47	3702	1898	0	200	0	0	0	0	0	0	0	5801
								63.8	32.7	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Lyle 87	*C. fitzroyensis*	SWP	%O	1	118	63.6	43	83.7	2.3		18.6								
Simpfendorfer and Milward 93	*C. fitzroyensis*	SWP	%O	1			12	50			58.3								
				2			55	4199	99	0	1499	0	0	0	0	0	0	0	5797
								72.4	1.7	0.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
De Crosta el al. 84	*C. galapagensis*	CP	%O	1	65	54	30	67.3	42.9										
Wass 71	*C. galapagensis*	CP	%O	1	155	58	65	71	28		9					2	8		
Wetherbee et al. 96	*C. galapagensis*	CP	%O	1	38	52.6	18	77.8	33.3							5.6			
Wetherbee et al. 96	*C. galapagensis*	CP	%O	1	33	63.6	12	83.3	33.3		16.7								
Wetherbee et al. 96	*C. galapagensis*	CP	%O	1	71	39.4	43	79.1	25.6		7						13.9		
Wetherbee et al. 96	*C. galapagensis*	CP	%O	1	36	36.1	23	30.4	34.8		8.7					4.3	30.4		
Bass et al. 73	*C. galapagensis*	SWI	%O	1	22	18	18	66.7	50	5.6									
				7			209	14335	6907	101	1287	0	0	0	0	330	1817	0	24776
								57.9	27.9	0.4	5.2	0.0	0.0	0.0	0.0	1.3	7.3	0.0	100.0
Castro 93	*C. isodon*	NWA	%O	1	80	39	49	93.9		4.1							2		
				1			49	4601	0	201	0	0	0	0	0	0	98	0	4900
								93.9	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	100.0
Snelson et al. 84	*C. leucas*	NWA	%N	1	64	22	50	77.7			7.4						14.9		
Tuma 76	*C. leucas*	Inland	%O	1	101	58.4	42	86			10			2.4	5	2.4	2.4	40.5	
Cliff and Dudley 91a	*C. leucas*	SWI	%IRI*	1	510	39.4	210	58.7	0.1	8E-04	0.08			8E-04	0.005	0.64	40.5		
Cliff and Dudley 91a	*C. leucas*	SWI	%O	1			99	18	2	1	3			1	4	11	57		
Hueter 94	*C. leucas*	GM	%IRI	1			6	97.2									2.7		

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
				5			407	22189	219	99	1104	0	0	200	607	1324	15010	1701	42453
								52.3	0.5	0.2	2.6	0.0	0.0	0.5	1.4	3.1	35.4	4.0	100.0
Dodrill 77	*C. limbatus*	NWA	%O	1	90	43.3	51	100			4	2					2		
Dodrill 77	*C. limbatus*	NWA	%N	1	90	43.3	51	94.3			2.8	1.4					1.4		
Castillo et al. 92	*C. limbatus*	NEP	%O	1	417	91.6	35	53.8	30.8		15.4								
Dudley and Cliff 93	*C. limbatus*	SWI	%O	1	1290	49.1	213	88.6	15	0.9	1						15.5		
Dudley and Cliff 93	*C. limbatus*	SWI	%IRI	1			443	97.2	0.2	0.003	0.02					0.01	2.6		
Castro 1996	*C. limbatus*	NWA	%O	1	132	50	66	39			3						4		
Bass et al 73.	*C. limbatus*	SWI	%O	1	101	45.5	55	92.7	9.1		1.8						10.9		
Simpfendorfer and Milward 93	*C. limbatus*	SWP	%O	1			8	100											
Salini et al. 90	*C. limbatus*	SWP	%O	1			23	96	4		44								
Salini et al. 90	*C. limbatus*	SWP	%W	1			23	96.4	0.5		3.2								
Stevens 84a	*C. limbatus*	SWP	%O	1	2	50	1	100			100								
Capape 75b	*C. limbatus*	MED	%O	1			4	100											
Hueter 94	*C. limbatus*	GM	%IRI	1			65	96.7			0.02							1.05	
Tavares 97	*C. limbatus*	CARIB	%IRI	1	275	48	142	100											
				14			1180	107607	4966	193	2592	173	0	0	0	4	5490	68	121093
								88.9	4.1	0.2	2.1	0.1	0.0	0.0	0.0	0.0	4.5	0.1	100.0
Bass et al. 73	*C. longimanus*	SWI	%O	1	34	32.3	23	34.8	47.8	4.3						8.7	4.3		
Stevens 84a	*C. longimanus*	SWP	%O	1	9	44.5	5	60	20							20			
Backus et al. 56	*C. longimanus*	NWA	%O	1	88	53	41	49	46		2.4			2.4				9.8	
Schuck and Clark 51	*C. longimanus*	NWA	%O	1			1									100			
Strasburg 58	*C. longimanus*	CP	%O	1	73	47.9	38	31.6	34.2								2.6		
				5			108	4310	4385	99	98	0	0	98	0	400	198	402	9991
								43.1	43.9	1.0	1.0	0.0	0.0	1.0	0.0	4.0	2.0	4.0	100.0
Salini et al. 94	*C. macloti*	SWP	%W	1	37	10.8	33	66.4	7		25.2	1							
Stevens and McLoughlin 9	*C. macloti*	EI/SWP	%O	1	216	57.9	91	94.5	4.4		1.1						1		
				2			124	10791	631	0	932	33	0	0	0	0	91	0	12478
								86.5	5.1	0.0	7.5	0.3	0.0	0.0	0.0	0.0	0.7	0.0	100.0
Salini et al. 92	*C. melanopterus*	SWP	%W	1	6	16.7	5	99.7											
Stevens 84b	*C. melanopterus*	SWI	%O	1	42	50	21	71.4	4.8	9.5	19	14.3						33.3	
Bass et al. 73	*C. melanopterus*	SWI	%O	1	13	61.5	5	80	60								20		
Lyle 87	*C. melanopterus*	SWP	%O	1	123	39.8	74	67.6	23		5.4				23				
Strasburg 58	*C. melanopterus*	CP	%O	1			1	100											
				5	184	42	106	7500	2103	200	799	300	0	0	1702	0	100	699	13403
								56.0	15.7	1.5	6.0	2.2	0.0	0.0	12.7	0.0	0.7	5.2	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Bass et al. 73	*C. obscurus*	SWI	%O	1	232	49.1	118	78	12.7	0.8	4.2					2.5	11.9		
Stevens 84a	*C. obscurus*	SWP	%O	1	4	75	1										100		
Smale 91	*C. obscurus*	SWI	%IRI	1			67	28.9	70.5		0.04						0.5	0.02	
Smale 91	*C. obscurus*	SWI	%IRI	1			7	13.5	73.5								13		
van der Elst 79	*C. obscurus*	SWI	%O	1	758	72	216	66.6	24.1	2.8	8.3						18.5		
Gelsleichter et al. submitte	*C. obscurus*	NWA	%IRI	1	153	61	59	85.42	0.06	0.03	3.22	0.1			0.05		11.12		
				6			468	30660	11946	701	2481	6	0	0	3	295	6281	1	52374
								58.5	22.8	1.3	4.7	0.0	0.0	0.0	0.0	0.6	12.0	0.0	100.0
Wass 71	*C. plumbeus*	CP	%O	1	541	55	243	70	27		18						3		
Cliff et al. 88	*C. plumbeus*	SWI	%O	1			178	69.7	57.3		16.9					0.6	17.4		
Medved and Marshall 81	*C. plumbeus*	NWA	%O	1	80	20	64	40.6			82.8						17		
Medved et al. 85	*C. plumbeus*	NWA	%O	1	414	17.9	340	37	1.5		72								
Stillwell and Kohler 93	*C. plumbeus*	NWA	%IRI	1	415	51.1	321	86.5	0.3		0.12	0.02				0.002	13.1		
Stevens and McLoughlin 91	*C. plumbeus*	EI/SWP	%O	1	181	36.5	115	85	21.7		7.8						3.5	0.9	
Capape 75b	*C. plumbeus*	MED	%O	1	19	36.8	12	83	16		8								
				7			1273	83133	20054	0	####	6	0	0	0	107	9522	104	151119
								55.0	13.3	0.0	25.3	0.0	0.0	0.0	0.0	0.1	6.3	0.1	100.0
Lessa and Almeida 97	*C. porosus*	SWA	%N	1	684	75	171	85.7	0		14.3						0		
Lessa and Almeida 97	*C. porosus*	SWA	%N	1				81.7	0		18.2						0.1		
Lessa and Almeida 97	*C. porosus*	SWA	%N	1				100	0		0						0		
Lessa and Almeida 97	*C. porosus*	SWA	%N	1				95.3	2.4		2.4						0		
				4			171	14655	0	0	2445	0	0	0	0	0	0	0	17100
								85.7	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Bass et al. 73	*C. sealei*	SWI	%O	1	20	20	16	62.5	43.7		12.5								
				1			16	1000	699	0	200	0	0	0	0	0	0	0	1899
								52.7	36.8	0.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Raschi et al. 82	*C. signatus*	NWA	%O	1			1	100	100										
				1			1	100	100	0	0	0	0	0	0	0	0	0	200
								50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Salini et al. 92	*C. sorrah*	SWP	%W	1	16	25	12	85	11.6		3.4								
Salini et al. 92	*C. sorrah*	SWP	%W	1			3	85.9	13.6										
Stevens and Wiley 86	*C. sorrah*	SWP	%O	1	1127	53.6	523	80.1	17		11						1.9	1.1	

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Stevens and Wiley 86	*C. sorrah*	SWP	%O	1	223	61.4	70	81	20.3	1.6	15.6								
Bass et al. 73	*C. sorrah*	SWI	%O	1	9	55.6	4	75	25										
Simpfendorfer and Milward 9	*C. sorrah*	SWP	%O	1			18	100	22.2		5.6								
				6			630	50940	10992	112	6987	0	0	0	0	0	994	575	70599
								72.2	15.6	0.2	9.9	0.0	0.0	0.0	0.0	0.0	1.4	0.8	100.0
Salini et al. 92	*C. tilstoni*	SWP	%W	1	21	33.3	14	99.9											
Salini et al. 92	*C. tilstoni*	SWP	%W	1			23	96.4	0.5		3.1								
Salini et al. 92	*C. tilstoni*	SWP	%W	1	16	43.7	9	99.9											
Stevens and Wiley 86	*C. tilstoni*	SWP	%O	1	1943	51.2	948	87.4	9.4	0.2	3.2			0.2	0.2	0.4	4.6		
Stevens and Wiley 86	*C. tilstoni*	SWP	%O	1	56	58.9	23	89.5	15.8										
Simpfendorfer and Milward 9	*C. tilstoni*	SWP	%O	1			30	96.8											
				6			1047	92333	9286	190	3105	0	0	190	190	379	4361	0	110032
								83.9	8.4	0.2	2.8	0.0	0.0	0.2	0.2	0.3	4.0	0.0	100.0
Stevens 84b	*C. wheeleri*	SWI	%O	1	8	50	2	50	50										
				1			2	100	100	0	0	0	0	0	0	0	0	0	200
								50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
De Crosta et al. 84	*G. cuvieri*	CP	%O	1	35	20	28	40.4	22.2		29.6			75	33.3	14.2	7.1		
Simpfendorfer 92	*G. cuvieri*	SWP	%O	1	811	31.2	558	63.3	2	0.4	14.6			10.4	60.4	2.7	3.8		
Wass 71	*G. cuvieri*	CP	%O	1	210	13.8	181	50	11		26			23	11	7	14		
Lyle and Timms 87	*G. cuvieri*	IP	%O	1	7	28.6	5								20				
Dodrill 77	*G. cuvieri*	NWA	%O	1	16	7.7	13	38.5	7.7	53.8	15.4			38.5	30.8	15.4	15.4	7.7	
Bass et al. 73	*G. cuvieri*	SWI	%O	1			39	25.6	15.4		7.7			23.1	12.8	12.8	28		
Lowe et al. 96	*G. cuvieri*	CP	%O	1	281	22.8	217	60.4	13.4		31.3			23	10.6	12.4	29.5		
Taylor and Naftel 78	*G. cuvieri*	CP	%O	1	15	33.3	10	55.6	3.7		81.5			37	29.6	14.8	14.8		
Gudger 49	*G. cuvieri*	NWA	%O	1	6	0	6	17		17				67	83	67		17	
Bell and Nichols 21	*G. cuvieri*	NWA	%O	1			34	11.8			11.8	5.9		2.9	20.6	23.5	41.2		
Stevens and McLoughlin 91	*G. cuvieri*	EI/SWP	%O	1	98	21.4	77	62.3	15.6	2.6	15.6	1.3		2.6	58.4	2.6	5.2		
Stevens 84a	*G. cuvieri*	SWP	%O	1	32	9.4	29	86.2	20.7		3.4			27.6	3.4	24.1	27.6		
Randall 92	*G. cuvieri*	CP	%O	1			12	41.7	8.3		25				33.3	8.3	16.7		
				13			1209	68965	9275	1225	####	301	0	20330	46416	8909	15497	202	194909
								35.4	4.8	0.6	12.2	0.2	0.0	10.4	23.8	4.6	8.0	0.1	100.0
Stevens and McLoughlin 9	*Loxodon macrorhinus*	EI/SWP	%O	1	258	19.8	207	76.3	18.8	1	60.4	1.4							
				1			207	15794	3892	207	####	290	0	0	0	0	0	0	32685
								48.3	11.9	0.6	38.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Salini et al. 92	*Negaprion acutidens*	SWP	%W	1	3	33.3	2		100										
Salini et al. 92	*Negaprion acutidens*	SWP	%W	1			32	99.7			0.2								
Salini et al. 90	*Negaprion acutidens*	SWP	%O	1			32	91			19							3	
Stevens 84b	*Negaprion acutidens*	WI	%O	1	24	33.3	16	62.5	6.2	12.5	6.2								
				4			82	7102	299	200	714	0	0	0	0	0	0	96	8411
								84.4	3.6	2.4	8.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	100.0
Cortes and Gruber 90	*N. brevirostris*	NWA	%IRI	1	78		78	94.1	0.1		1.4						0.9	3.5	
Cortes and Gruber 90	*N. brevirostris*	NWA	%IRI	1	86	25.6	64	96.6	0.05		0.6							2.7	
Manire and Gruber (pers. Comm.)	*N. brevirostris*	NWA	%IRI	1			78	96.7	0.005		3.3								
Schmidt 86	*N. brevirostris*	NWA	%IRI	1	30	40	18	92			8							0.01	
Snelson and Williams 81	*N. brevirostris*	NWA	%N	1			3	78.6			14.3						7.1		
Dodrill 1977	*N. brevirostris*	NWA	%O	1	22	40.9	8	75			12.5				12.5		12.5		
Banner 68 & 72	*N. brevirostris*	NWA		1	31	29	22	90.9			22.7								
				7			271	25556	11	0	1191	0	0	0	100	0	192	446	27497
								92.9	0.0	0.0	4.3	0.0	0.0	0.0	0.4	0.0	0.7	1.6	100.0
Stevens 73	*P. glauca*	NEA	%O	1	98	39	60	62	11	2	2	1				2		2	
Tricas 79	*P. glauca*	NEP	%O	1	81	6	76	75	76	2	15	11					1	1	
Gubanov and Grigoryev 75	*P. glauca*	IND	%O	1	256	59	106	29.2	35		5.8								
Harvey 89	*P. glauca*	NEP	%IRI	1	146	15.3	123	38	24.7		35.1		56				1.8	0.4	
Clarke and Stevens 74	*P. glauca*	NEA	%O	1		0	12	50	58										
Clarke and Stevens 74	*P. glauca*	NEA	%O	1		43	86	48	22										
Stevens 84a	*P. glauca*	SWP	%O	1	51	39.2	31	41.9	61.3					3.2		3.2	3.2		
Le Brasseur 64	*P. glauca*	NEP	%O	1	29	13.8	25	80	44		4	8							
Stevens and McLoughlin 91	*P. glauca*	EI/SWP	%O	1	9	55.6	1	100											
Strasburg 58	*P. glauca*	CP	%O	1	140	54.3	64	51.6	62.5		6.2			1.6					
Hazin et al. 94	*P. glauca*	SWA	%O	1	90	37	25	36	56		4			8			4		
Capape 75b	*P. glauca*	MED	%O	1			1	100											
Kohler 87	*P. glauca*	NWA	%IRI	1	1199	47.6	571	27.3	71.8	0.003	0.08	0.53	0.011	0.003		0.15	0.05	0.01	
Clarke et al. 96	*P. glauca*	NEA	%O	1	195	42.6	56	83	70.5		3.6								
Clarke et al. 96	*P. glauca*	NEA	%N	1	195	42.6	56	84.5	15.5		0.2								
				15			1293	54587	69986	274	7047	1399	6894	403	0	305	525	250	141670
								38.5	49.4	0.2	5.0	1.0	4.9	0.3	0.0	0.2	0.4	0.2	100.0
Salini et al. 92	*Rhizoprionodon acutus*	SWP	%W	1	142	25	106	79.1	7.5		13.3								
Salini et al. 92	*Rhizoprionodon acutus*	SWP	%W	1			130	90.7	0.05		8.6								
Salini et al. 90	*Rhizoprionodon acutus*	SWP	%O	1			130	90	2		50	2						2	
Salini et al. 92	*Rhizoprionodon acutus*	SWP	%W	1	77	17	64	59.3	17.6		19.9								
Salini et al. 94	*Rhizoprionodon acutus*	SWP	%W	1	22	36.4	14	85.9	1.9		11.7								
Stevens and McLoughlin 91	*Rhizoprionodon acutus*	EI/SWP	%O	1	315	47.9	164	93.3	18.9	1.2	10.4						0.6		
Simpfendorfer and Milward 93	*Rhizoprionodon acutus*	SWP	%O	1			50	100			8								

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
				7			658	57175	5314	197	####	260	0	0	0	0	98	260	75875
								75.4	7.0	0.3	16.6	0.3	0.0	0.0	0.0	0.0	0.1	0.3	100.0
Castillo et al. 92	*Rhizoprionodon longurio*	NEP	%IRI	1	82	36.6	52	98.7	0.3		0.8			0.2					
				1			52	5132	16	0	42	0	0	10	0	0	0	0	5200
								98.7	0.3	0.0	0.8	0.0	0.0	0.2	0.0	0.0	0.0	0.0	100.0
Gomez and Bashirulah 84	*Rhizoprionodon porosus*	CARIB	%O	1	287	17.4	237	26.8	12.6		56.4								
				1			237	6352	2986	0	####	0	0	0	0	0	0	0	22705
								28.0	13.2	0.0	58.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Stevens and McLoughlin 91	*Rhizoprionodon taylori*	EI/SWP	%O	1	68	44.1	38	79	2.6		34.2								
Simpfendorfer and Milward 93	*Rhizoprionodon taylori*	SWP	%O	1			207	83.6			13								
Salini et al. 98	*Rhizoprionodon taylori*	SWP	%O	1	15	13.3	13	100											
				3			258	21607	99	0	3991	0	0	0	0	0	0	0	25697
								84.1	0.4	0.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Hueter 94	*Rhizoprionodon terraenova*	GM	%IRI	1			10	82.7											
Gelsleichter et al. submitted	*Rhizoprionodon terraenova*	NWA	%IRI	1	208	38	99	63.57	1.96	0.09	34.2						0.12		
				2			109	7120	194	9	3386	0	0	0	0	0	12	0	10721
								66.4	1.8	0.1	31.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	100.0
Devadoss 89	*Scoliodon laticaudus*	NIO	%O	1	675	38.6	415	33.3	5.9		60.7								
				1			415	13820	2449	0	####	0	0	0	0	0	0	0	41459
								33.3	5.9	0.0	60.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Randall 77	*Triaenodon obesus*	EI	%O	1	56	59	23	74	22	4.3									
Gohar and Mazhar 64	*Triaenodon obesus*	RED SEA	%O	1			8	75											
				2			31	2302	506	99	0	0	0	0	0	0	0	0	2907
								79.2	17.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
TRIAKIDAE																			
Ellis et al. 96	*Galeorhinus galeus*	NEA	%P	1	46	4.3	42	77.7	18.92	0	0	3.38							
Capape 75b	*Galeorhinus galeus*	MED	%O	1			1	100											
Menni et al. 82	*Galeorhinus galeus*	SWA	%O	1	12	17	10	80	20										
Menni et al. 82	*Galeorhinus galeus*	SWA	%O	1	18	33.3	12	68.8	6.25		6.25						6.25		

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Sauer and Smale 91	*Galeorhinus galeus*	SWI	%O	1	5	40	3	93	7										
				5			68	5268	1091	0	75	142	0	0	0	0	75	0	6651
								79.2	16.4	0.0	1.1	2.1	0.0	0.0	0.0	0.0	1.1	0.0	100.0
Bass et al. 73**	*Hypogaleus hyugaensis*	SWI	%O	1			2	100											
				1			2	200	0	0	0	0	0	0	0	0	0	0	200
								100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Waller and Baranes 94	*Iago omanensis*	RED SEA	%N	1	252	7.5	233	42.4	47.2	0.8	8.7	0.8							
Baranes and Ben-Tuvia 79	*Iago omanensis*	RED SEA	%O	1	4	75	1		100										
Nair and Appukuttan 73	*Iago omanensis*	NIO	%VO	1	27	14.8	23	66.6	11.4	1.4	20.5							0.04	
				3			257	11411	11360	219	2499	186	0	0	0	0	0	1	25675
								44.4	44.2	0.9	9.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ellis et al. 96	*Mustelus asterias*	NEA	%P	1	46	0	46	1.86			97.4	0.74							
Capape 75b	*Mustelus asterias*	MED	%O	1	32	19	26	41	41		53								
				2			72	1152	1066	0	5858	34	0	0	0	0	0	0	8110
								14.2	13.1	0.0	72.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	100.0
San Filippo 93	*Mustelus californicus*	NEP	%IRI	1	74	5.4	70		0.35	0.2	99	0.45							
Talent 82	*Mustelus californicus*	NEP	%IRI	1	52	5.8	14				100								
Talent 82	*Mustelus californicus*	NEP	%IRI	1			24	0.2			99.6	0.2							
Talent 82	*Mustelus californicus*	NEP	%IRI	1			11	0.1			99.9								
				4			119	6	25	14	####	36	0	0	0	0	0	0	11900
								0.0	0.2	0.1	99.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Vianna and Amorim 95	*Mustelus canis*	SWA	%O	1	115	51.3	56	60.7			87.5								
Rountree and Able 96	*Mustelus canis*	NWA	%O	1	85	0	85	11		12	98	47							
Menni et al. 82	*Mustelus canis*	SWA	%O	1			6	67			67								
Gelsleichter et al. submitted	*Mustelus canis*	NWA	%IRI	1	64	0	64	3.21	0.2	8.86	86.1	1.61							
				4			211	4942	13	1587	####	4098	0	0	0	0	0	0	29784
								16.6	0.0	5.3	64.3	13.8	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Menni et al. 82	*Mustelus fasciatus*	SWA	%O	1			2	100											
				1			2	200	0	0	0	0	0	0	0	0	0	0	200
								100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Haeseker and Cech 93	*Mustelus henlei*	NEP	%O	1	20	15	17	45	5		100	10						30	
Haeseker and Cech 93	*Mustelus henlei*	NEP	%O	1	34	0	34	15	0		100	41						0	
Talent 82	*Mustelus henlei*	NEP	%IRI	1	22	13.6	2				100								
Talent 82	*Mustelus henlei*	NEP	%IRI	1			6				100								
Talent 82	*Mustelus henlei*	NEP	%IRI	1			11	5.9	0.3		93.8								
Russo 75	*Mustelus henlei*	NEP	%O	1	52	9.6	47	23.4	10.6		100	4.2							
Russo 75	*Mustelus henlei*	NEP	%O	1	25	16	21	33.3			100								
				5			138	3139	587	0	####	1761	0	0	0	0	0	510	19729
								15.9	3.0	0.0	69.6	8.9	0.0	0.0	0.0	0.0	0.0	2.6	100.0
Springer and Lowe 63	*Mustelus higmani*	SWA	%O	1			74	6.8	2.7		87.8	1.3							
				1			74	503	200	0	6497	96	0	0	0	0	0	0	7296
								6.9	2.7	0.0	89.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	100.0
King and Clark 84	*Mustelus lenticulatus*	SWP	%IRI	1			25				40.1	58.6							
King and Clark 84	*Mustelus lenticulatus*	SWP	%IRI	1			148			2.3	9.1	86.8							
King and Clark 84	*Mustelus lenticulatus*	SWP	%IRI	1			49				91.6	5.8							
King and Clark 84	*Mustelus lenticulatus*	SWP	%IRI	1			206				67.6	28.7							
				4			428	0	0	340	####	####	0	0	0	0	0	0	41612
								0.0	0.0	0.8	49.9	49.3	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Galvan et al. 89	*Mustelus lunulatus*	NEP	%IRI	1	223	26.7	163	53.3			46.7								
				1			163	8688	0	0	7612	0	0	0	0	0	0	0	16300
								53.3	0.0	0.0	46.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Taniuchi et al. 83	*Mustelus manazo*	NWP	%O	1	412	1.7	405	23	0	0.7	84.7	31.3						0.5	
				1			405	9315	0	284	####	####	0	0	0	0	0	203	56781
								16.4	0.0	0.5	60.4	22.3	0.0	0.0	0.0	0.0	0.0	0.4	100.0
Capape 75b	*Mustelus mustelus*	MED	%O	1	36	25	27	41	22		59								
Sauer and Smale 91	*Mustelus mustelus*	SWI	%IRI	1	45	13.3	39	0.1	92.5		6.5								
Smale and Compagno 97	*Mustelus mustelus*	SWI	%W	1	402	8.7	367	11.8	27.4		59.7	0.7							
Smale and Compagno 97	*Mustelus mustelus*	SEA	%W	1			19	29.1	8.93		62								
				4			452	5994	14427	0	####	257	0	0	0	0	0	0	45612
								13.1	31.6	0.0	54.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Smale and Compagno 97	*Mustelus palumbes*	SEA	%W+%N)	1	265	0.8	173	1.79	0.62		96.9	0.17							
				1			173	310	107	0	####	29	0	0	0	0	0	0	17201
								1.8	0.6	0.0	97.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Capape 75b	*Mustelus punctulatus*	MED	%O	1	54	25.9	40	31	25		77								
				1			40	1240	1000	0	3080	0	0	0	0	0	0	0	5320
								23.3	18.8	0.0	57.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Menni et al. 82	*Mustelus schmitti*	SWA	%O	1	541	3.3	523	12	3.5		42.5	35							
Olivier et al. 68	*Mustelus schmitti*	SWA	%O	1			129	4			62.1	33.3							
Menni 85	*Mustelus schmitti*	SWA	%O	1	22	0.9	20	19.1			42.8	35.7							
Menni 85	*Mustelus schmitti*	SWA	%O	1	6	33.3	4				71.4	28.6							
Menni 85	*Mustelus schmitti*	SWA	%O	1	3	0	3	25			50	25							
Menni 85	*Mustelus schmitti*	SWA	%O	1	12	0	12		5.9		52.9	29.4							
Menni 85	*Mustelus schmitti*	SWA	%O	1	10	10	9				33.3	66.6							
Menni 85	*Mustelus schmitti*	SWA	%O	1	14	0	14		4.2		45.7	50							
Menni 85	*Mustelus schmitti*	SWA	%O	1	1	0	1				50	50							
Menni 85	*Mustelus schmitti*	SWA	%O	1	1	0	1	100											
Menni 85	*Mustelus schmitti*	SWA	%O	1	6	0	6	14.3	7.1		42.9	35.7							
Menni 85	*Mustelus schmitti*	SWA	%O	1	9	0	9	3	3.3		33.3	26.6							
Menni 85	*Mustelus schmitti*	SWA	%O	1	3	0	3				25	50							
Menni 85	*Mustelus schmitti*	SWA	%O	1	11	0	11			62	37.5	50							
Menni 85	*Mustelus schmitti*	SWA	%O	1	3	0	3	14.3	14.3		42.9	28.6							
Capitoli et al. 95	*Mustelus schmitti*	SWA	%IRI	1			158	2	0.3	0.1	89.7	7.82							
				16			906	7821	2123	698	####	####	0	0	0	0	0	0	86823
								9.0	2.4	0.8	55.9	31.9	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Stevens & McLoughlin 91	*Mustelus sp.*	EI/SWP	%O	1	70	1.4	69	27.5	17.4	1.5	94.2								
				1			69	1898	1201	104	6500	0	0	0	0	0	0	0	9701
								19.6	12.4	1.1	67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Bass et al. 73**	*Scylliogaleus quecketti*	SWI	%O	1			11		9		72.7								
				1			11	0	99	0	800	0	0	0	0	0	0	0	899
								0.0	11.0	0.0	89.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Bass et al. 73**	*Triakis megalopterus*	SWI	%O	1			5	40			40						20		
Sauer and Smale 91	*Triakis megalopterus*	SWI	%IRI	1			1		48		52								
				2			6	200	48	0	252	0	0	0	0	0	100	0	600
								33.3	8.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Talent 76	*Triakis semifasciata*	NEP	%IRI	1			40	0.02	0	0.06	99.3	0.7						0	
Talent 76	*Triakis semifasciata*	NEP	%IRI	1			70	1.8	0	0.05	92.6	5.5						0.01	
Talent 76	*Triakis semifasciata*	NEP	%IRI	1			80	10.9	0.02	1.9	51.5	35.3						0.4	
Talent 76	*Triakis semifasciata*	NEP	%IRI	1			88	37	0.5	12.9	24.1	25.4						0.03	
Talent 76	*Triakis semifasciata*	NEP	%IRI	1			89	61.8	0	13.1	12.8	12.3						0.03	
Barry et al. 96	*Triakis semifasciata*	NEP	%IRI	1			9			0.1	80.8	2.9						16	
Russo 75	*Triakis semifasciata*	NEP	%O	1	98	31.6	67	55.2	14.9		40.3	44.8						20.9	
Russo 75	*Triakis semifasciata*	NEP	%O	1	45	17.8	37	23.9	4.5		29.8	14.9							
Webber and Cech 98	*Triakis semifasciata*	NEP	%IRI	1	14	21.4	11	7.8	2.3		7.6	81.3						1	
Webber and Cech 98	*Triakis semifasciata*	NEP	%IRI	1	19	21.1	15	0.2		0.4	97.6	0.9						0.9	
				10			506	14427	1236	2466	####	####	0	0	0	0	0	1607	54700
								26.4	2.3	4.5	43.7	20.2	0.0	0.0	0.0	0.0	0.0	2.9	100.0
PROSCYLLIDAE																			
Nair and Appukuttan 73	*Eridacnis radcliffei*	NIO	%VO	1	318	12.9	277	67.6	3.6	0.005	28.7								
				1			277	18725	997	1	7950	0	0	0	0	0	0	0	27674
								67.7	3.6	0.0	28.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Yano 93	*Gollum attenuatus*	SWP	%IRI	1	747	32.5	504	79.3	2.3		16.4	0.5					0.2		
				1			504	39967	1159	0	8266	252	0	0	0	0	101	0	49745
								80.3	2.3	0.0	16.6	0.5	0.0	0.0	0.0	0.0	0.2	0.0	100.0
HEMIGALEIDAE																			
Salini et al. 92	*Hemigaleus microstoma*	SWP	%W	1	16	12	14	0.05	94.7		5.2								
Stevens and Cuthbert 83	*Hemigaleus microstoma*	SWP	%O	1	41	9.8	37		98	13.5		2.7							
Stevens and Cuthbert 83	*Hemigaleus microstoma*	SWP	%O	1	26	46.2	14		100										
Stevens and McLoughlin 9	*Hemigaleus microstoma*	EI/SWP	%O	1	446	25.8	331	1.2	98.5	0.3	3	0.9					0.3		
				4			396	398	38955	599	1066	398	0	0	0	0	99	0	41515
								1.0	93.8	1.4	2.6	1.0	0.0	0.0	0.0	0.0	0.2	0.0	100.0
Salini et al. 92	*Hemipristis elongatus*	SWP	%W	1	3	0	3	97.3			2.4								
Stevens and McLoughlin 9	*Hemipristis elongatus*	EI/SWP	%O	1	111	25.2	83	50.6	67.5								18.1		
				2			86	4492	5603	0	7	0	0	0	0	0	1502	0	11604
								38.7	48.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	12.9	0.0	100.0
SPHYRNIDAE																			

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Stevens and Lyle 89	*Eusphyrna blochii*	EI	%O	1	336	14.6	287	92.3	4.5		14.3						0.3		
				1			287	26490	1292	0	4104	0	0	0	0	0	86	0	31972
								82.9	4.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.3	0.0	100.0
Galvan-Magana et al. 89	*S. lewini*	NEP	%IRI	1	108	0	108	64.8	30.1		5.1								
Bass et al. 73	*S. lewini*	SWI	%O	1	186	47	99	79.8	24.2		9						1		
Clarke 71	*S. lewini*	CP	%O	1	?	?	141	60.3			61.7								
Stevens and Lyle 89	*S. lewini*	EI	%O	1	660	21.5	518	86.5	31.1	0.3	5.2						0.8		
Dodrill 77	*S. lewini*	NWA	%O	1	16	18.7	13	84.6			6.2								
Capape et al. submitted	*S. lewini*	ECA	%O	1	92	12	81	100	5										
Brewer et al. 91	*S. lewini*	SWP	%W	1	5	20	4	63.2	14.1		22.7								
Brewer et al. 91	*S. lewini*	SWP	%O	1	5		4	100	25		25								
Fusaro and Anderson 80	*S. lewini*	NEP	%O	1			1	100											
Simpfendorfer and Milward 93	*S. lewini*	SWP	%O	1			81	93.8			44.5								
Salini et al. 90	*S. lewini*	SWP	%W	1			3	100											
Stevens 84a	*S. lewini*	SWP	%O	1	5	0	5	80	60								40		
Strasburg 58	*S. lewini*	CP	%O	1			1												
Bush (pers. comm.)	*S. lewini*	CP	%IRI	1	251	22.7	194	20.1	0.002		79.7	0						0.2	
				14			1253	90358	22618	155	####	0	0	0	0	0	713	39	146057
								61.9	15.5	0.1	22.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	100.0
Dodrill 77	*S. mokarran*	NWA	%O	1	26	11.5	23	82.6			17.4						39.1		
Bass et al. 73	*S. mokarran*	SWI	%O	1	8	12.5	7	28.6	14.3		14.3						71.4	14.3	
Stevens and Lyle 89	*S. mokarran*	EI	%O	1	347	12.4	304	56.9	4.6		17.1						32.4		
Cliff 95	*S. mokarran*	SWI	%O	1			42	42.8	4.8								64.3		
Cliff 95	*S. mokarran*	SWI	%IRI	1	147	19	77	6.1	0.005		0.08						93.9		
Hueter 94	*S. mokarran*	GM	%O	1			5	90.8											
				6			458	22119	1700	0	5705	0	0	0	0	0	21180	100	50804
								43.5	3.3	0.0	11.2	0.0	0.0	0.0	0.0	0.0	41.7	0.2	100.0
Cortes et al. 96	*S. tiburo*	GM	%IRI	1	355	4.8	338	0.0001	0.0007	5E-04	84.9	0						12.4	
Parsons 87	*S. tiburo*	GM	%O	1	53	32	36	23	34		44							47	
Parsons 87	*S. tiburo*	GM	%O	1	99	7.1	92	1			91							85	
Cortes (unpubl.)	*S. tiburo*	GM	%IRI	1	18	11.1	16	0.28	0.31		90.8							7.5	
				4			482	925	1229	0	####	0	0	0	0	0	0	####	56082
								1.6	2.2	0.0	71.5	0.0	0.0	0.0	0.0	0.0	0.0	24.6	100.0
Castro 89	*S. tudes*	CARIB	%O	1			39	18			90								
				1			39	702	0	0	3510	0	0	0	0	0	0	0	4212

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
								16.7	0.0	0.0	83.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Galvan-Magana et al. 89	*S. zygaena*	NEP	%IRI	1	27	0	27	56.3	42.8								1.5		
Stevens 84a	*S. zygaena*	SWP	%O	1	47	10.6	42	54.8	76.2		2.4								
Smale 91	*S. zygaena*	SWI	%IRI	1			144	8.7	91.2								0.02		
Smale 91	*S. zygaena*	SWI	%IRI	1			5	90.2	9.8										
Strasburg 58	*S. zygaena*	CP	%O	1			1	100											
Capape 75b	*S. zygaena*	MED	%O	1	25	20	20	100	30								10		
Sauer and Smale 91	*S. zygaena*	SWI	%IRI	1			4	69.2	30.8										
				7			243	7902	18261	0	101	0	0	0	0	0	243	0	26507
								29.8	68.9	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.9	0.0	100.0
SCYLIORHINIDAE																			
Mauchline and Gordon 83	*Apristurus spp.*	NEA	%O	1	13	0	13	69.3	0		100	0	15.4						
Mauchline and Gordon 83	*Apristurus spp.*	NEA	%N	1	13	0	13	19	0		69.1	0	2.7						
Mauchline and Gordon 83	*Apristurus spp.*	NEA	%O	1	12	7.7	11	100	75		100	0	0						
Mauchline and Gordon 83	*Apristurus spp.*	NEA	%N	1	12	7.7	11	39	11.6		67.4	0	0						
				4			48	2677	953	0	4040	0	235	0	0	0	0	0	7905
								33.9	12.1	0.0	51.1	0.0	3.0	0.0	0.0	0.0	0.0	0.0	100.0
Cross 88	*Apristurus brunneus*	NEP	%IRI	1	211	65.4	73	10.1	2.3	0.2	87.3								
Jones and Geen 77a	*Apristurus brunneus*	NEP	%O	1	65	0	65	21.5	3.1		43.1	1.5	1.5						
				2			138	2135	369	15	9174	98	98	0	0	0	0	0	11888
								18.0	3.1	0.1	77.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	100.0
Ebert et al. 96	*Apristurus microps*	SEA	%IRI	1	88	27.3	64	21.5	23.5		53.3	0.8					0.9		
				1			64	1376	1504	0	3411	51	0	0	0	0	58	0	6400
								21.5	23.5	0.0	53.3	0.8	0.0	0.0	0.0	0.0	0.9	0.0	100.0
Ebert et al. 96	*Apristurus saldanha*	SEA	%IRI	1	11	18.2	9	99.4	0.6										
				1			9	895	5	0	0	0	0	0	0	0	0	0	900
								99.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ebert et al. 96	*Apristurus spp.*	SEA	%IRI	1	21	19	17	93.5	2.4		4.1								
				1			17	1590	41	0	70	0	0	0	0	0	0	0	1700
								93.5	2.4	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Taniuchi 88	*Cephaloscyllium isabellu*	NWP	%O	1			1	88	31		10	0.1					13.6		
Taniuchi 88	*Cephaloscyllium isabellu*	NWP	%O	1	356	21.9	278	88	31		10.4						13.6	0.3	
				2			279	24552	8649	0	2901	0	0	0	0	0	3794	83	39980
								61.4	21.6	0.0	7.3	0.0	0.0	0.0	0.0	0.0	9.5	0.2	100.0
Castro-Aguirre 81	*Cephalurus cephalus*	NEP	%O	1	11	18	9	22.2			77.8	11.1							
				1			9	200	0	0	700	100	0	0	0	0	0	0	1000
								20.0	0.0	0.0	70.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Mauchline and Gordon 83	*Galeus melastomus*	NEA	%O	1			1				100								
Mauchline and Gordon 83	*Galeus melastomus*	NEA	%O	1			1				100								
Mauchline and Gordon 83	*Galeus melastomus*	NEA	%O	1			1	100											
Mauchline and Gordon 83	*Galeus melastomus*	NEA	%O	1			2	50			100								
Carrasson et al. 92	*Galeus melastomus*	MED	%IRI	1	41	0	41	7.5	0.2	0	90.5	0						0.1	
Carrasson et al. 92	*Galeus melastomus*	MED	%IRI	1	19	0	19	25.2	19.5	0.1	55.3	0.6							
Carrasson et al. 92	*Galeus melastomus*	MED	%IRI	1	21	14.3	18	52.3	12.2	0	35.5	0.2							
Carrasson et al. 92	*Galeus melastomus*	MED	%IRI	1	18	5.6	17	27.5	30.6	0	40.6	0.6							
Macpherson 80	*Galeus melastomus*	MED	%O	1			1559	48.1			76.4	25.2	49.9						
Macpherson 80	*Galeus melastomus*	MED	%W	1			1559	52.3			19.3	22.6	5.1						
Mattson 81	*Galeus melastomus*	NEA	%O	1				49	27		100	18.4					1.7		
Macpherson 81	*Galeus melastomus*	MED	%W	1				42	11.1		11.7								
Capape and Zaouali 76	*Galeus melastomus*	MED	%O	1	442	19	358	53	45		44	11							
Relini Orsi and Wurtz 77	*Galeus melastomus*	MED	%N	1			70	11.7	14.3		39.1		34.9						
Relini Orsi and Wurtz 77	*Galeus melastomus*	MED	%N	1			70	7.7	35.9		27.8	1.3	24.2						
				15			3716	179251	20743	2	####	####	89882	0	0	0	0	4	544577
								32.9	3.8	0.0	32.3	14.4	16.5	0.0	0.0	0.0	0.0	0.0	100.0
Mauchline and Gordon 83	*Galeus murinus*	NEA	%O	1			1	100					100						
Mauchline and Gordon 83	*Galeus murinus*	NEA	%O	1			1	100	100										
				2			2	200	100	0	0	0	100	0	0	0	0	0	400
								50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	100.0
Ebert et al. 96	*Galeus polli*	SEA	%IRI	1	120	30	84	94.7	1.8		3.5								
				1			84	7955	151	0	294	0	0	0	0	0	0	0	8400
								94.7	1.8	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Nair and Appukuttan 73	*Halaelurus hispidus*	NIO	%O	1	241	23.6	184	85.6	6.4	0.002	8							0	
				1			184	15750	1178	0	1472	0	0	0	0	0	0	1	18401

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
								85.6	6.4	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Lipinski et al. 92	*Halaelurus natalensis*	SWI	%O	1			1		100										
Sauer and Smale 91	*Halaelurus natalensis*	SWI	%IRI	1			1	58.5	41.5										
				2			2	59	142	0	0	0	0	0	0	0	0	0	200
								29.3	70.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Sauer and Smale 91	*Haploblepharus edwardsi*	SWI	%IRI	1	32	3.1	31	14.4	30.4		54.5	0.5					0.3		
				1			31	446	942	0	1690	16	0	0	0	0	9	0	3103
								14.4	30.4	0.0	54.4	0.5	0.0	0.0	0.0	0.0	0.3	0.0	100.0
Ebert et al. 96	*Holohalaelurus regani*	SWA	%IRI	1	383	24	291	68.4	22.1		9.5								
				1			291	19904	6431	0	2765	0	0	0	0	0	0	0	29100
								68.4	22.1	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Cross 88	*Parmaturus xaniurus*	NEP	%IRI	1	155	54.8	70	6.7	0.1		90.9		2.2						
				1			70	469	7	0	6363	0	154	0	0	0	0	0	6993
								6.7	0.1	0.0	91.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	100.0
Sauer and Smale 91	*Poroderma africanum*	SWI	%IRI	1	9	22.2	7	12.4			87.6								
				1			7	87	0	0	613	0	0	0	0	0	0	0	700
								12.4	0.0	0.0	87.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Menni et al. 79	*Schroederichthys bivius*	SWA	%O	1	108	15.7	91	28.6	14.3		27.9	16.2							
Menni et al. 79	*Schroederichthys bivius*	SWA	%O	1	132	8.3	121	35.5	8.3		22.3	14.9							
Matallanas et al. 92	*Schroederichthys bivius*	SWA	%IRI	1	97	13.5	84	1.5			98.2	0.5						0.3	
				3			296	7024	2306	0	####	3319	0	0	0	0	0	25	26160
								26.9	8.8	0.0	51.6	12.7	0.0	0.0	0.0	0.0	0.0	0.1	100.0
Farina and Ojeda 93	*Schroederichthys chilensis*	SEP	%IRI	1	214	6.1	201	0.4		0.03	99.4	0.2						0.06	
				1			201	80	0	6	####	40	0	0	0	0	0	12	20118
								0.4	0.0	0.0	99.3	0.2	0.0	0.0	0.0	0.0	0.0	0.1	100.0
Ellis et al. 96	*Scyliorhinus canicula*	NEA	%P	1	1206	2.57	1175	15.95	2.9	11.8	51.6	17.8							
Lyle 83	*Scyliorhinus canicula*	NEA	%W	1	175	0.5	174	2.83		20.58	68.3	8.3							
Lyle 83	*Scyliorhinus canicula*	NEA	%W	1	686	0.6	682	2.62		36.06	51.2	10.2							

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Lyle 83	*Scyliorhinus canicula*	NEA	%W	1	642	0.8	637	6.56		38.44	47.5	7.5							
Lyle 83	*Scyliorhinus canicula*	NEA	%W	1	500	1	495	6.27		48.83	39.3	5.54							
Lyle 83	*Scyliorhinus canicula*	NEA	%N	1	175	0.5	174	1.97		9.84	64.4	23.8							
Lyle 83	*Scyliorhinus canicula*	NEA	%N	1	686	0.6	682	1.57		25.87	44	28.6							
Lyle 83	*Scyliorhinus canicula*	NEA	%N	1	642	0.8	637	1.8		37.13	31.4	29.6							
Lyle 83	*Scyliorhinus canicula*	NEA	%N	1	500	1	495	1.9		48.14	27.9	22.1							
Ford 21	*Scyliorhinus canicula*	NEA	%O	1			146	50		24	90	82					5.5		
Macpherson 81	*Scyliorhinus canicula*	MED	%W	1				41.1		6.5	25.5								
Capape 74	*Scyliorhinus canicula*	MED	%O	1	1671	29.6	1177	34	17	4	38	5							
Jardas 72	*Scyliorhinus canicula*	MED	%O	1			151	19.2	18.7		54.3	7.7							
Olaso et al. 98	*Scyliorhinus canicula*	NEA	%V	1	1094	13.8	930	54.6	6.5	0.2	28.4	5.1	3.1						
				14			7555	132799	32285	#####	####	####	2883	0	0	0	803	0	773222
								17.2	4.2	21.5	42.0	14.7	0.4	0.0	0.0	0.0	0.1	0.0	100.0
Ebert et al. 96	*Scyliorhinus capensis*	SWA	%IRI	1	140	30.7	97	69	2		25.8	3.2							
				1			97	6693	194	0	2503	310	0	0	0	0	0	0	9700
								69.0	2.0	0.0	25.8	3.2	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Parsons 85	*Scyliorhinus meadi*	GM	%O	1			1	100	100		100								
				1			1	100	100	0	100	0	0	0	0	0	0	0	300
								33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Castro et al. 88	*Scyliorhinus retifer*	NWA	%O	1	81	4	78	55	64		21	32							
				1			78	4290	4992	0	1638	2496	0	0	0	0	0	0	13416
								32.0	37.2	0.0	12.2	18.6	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ellis et al. 96	*Scyliorhinus stellaris*	NEA	%P	1	86	6.98	75	14.98	27.12	2.82	53	0.4					1.62		
Ford 21	*Scyliorhinus stellaris*	NEA	%O	1			18	72.2		11.1	38.9						16.7		
Capape 75a, Capape and Zaouali	*Scyliorhinus stellaris*	MED	%O	1	1769	24.6	1333	47	71		33	7							
				3			1426	65074	96677	411	####	9361	0	0	0	0	422	0	220613
								29.5	43.8	0.2	22.1	4.2	0.0	0.0	0.0	0.0	0.2	0.0	100.0
PSEUDOTRIAKIDAE																			
Yano and Musick 92	*Pseudotriakis microdon*	NWP	%O	1	12	25	9	52.8	11.1								13.9		
Yano and Musick 92	*Pseudotriakis microdon*	SWP	%O	1	3	0	3	80	20										
Yano and Musick 92	*Pseudotriakis microdon*	NEA	%O	1	2	50	1	0	0										
Clarke and Merrett 72	*Pseudotriakis microdon*	NEA	%O	1			1	100								100			

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
				4			14	815	160	0	0	0	0	0	0	100	125	0	1200
								67.9	13.3	0.0	0.0	0.0	0.0	0.0	0.0	8.3	10.4	0.0	100.0
LEPTOCHARIIDAE																			
LAMNIFORMES																			
LAMNIDAE																			
Bass et al. 75c	*C. carcharias*	SWI	%O	1	43	53.5	20	25						10		15	40		
Cliff et el. 89	*C. carcharias*	SWI	%O	1		59	66	40.9	7.5							28.7	34.2		
Cliff et el. 89	*C. carcharias*	SWI	%IRI	1		59	58	13.2	0.1	0.1						24.3	62.3		
Bruce 92	*C. carcharias*	SWP	%O	1	17	47	9	22	33		22			11		55	22		
Tricas and McCosker 84	*C. carcharias*	NEP	%O	1	9	44	5										56		
Tricas and McCosker 84	*C. carcharias*	NEP	%O	1	33	30	23									12	30		
Casey and Pratt 85	*C. carcharias*	NWA	%O	1	54	46.3	29	100		3.4	6.9	3.4					13.8		
Pratt et al. 82	*C. carcharias*	NWA	%O	1			1									100			
Arnold 72	*C. carcharias*	NWA	%O	1			1									100			
Stevens 84a	*C. carcharias*	SWP	%O	1			1									100			
Capape 75b	*C. carcharias*	MED	%O	1	8	0	8	100	25							25	25		
Postel 58	*C. carcharias*	MED	%O	1			1	100							100	100			
Le Mier 51	*C. carcharias*	NEP	%O	1			1	100			100					100			
Fitch 49	*C. carcharias*	NEP	%O	1			1	100								100			
Adams et al.94	*C. carcharias*	GM	%O	1	5	60	2									100	100		
Cliff et al. 96	*C. carcharias*	SWI	%IRI	1	105	63.7	33	49.4	0.1			0.02				13.7	36.7		
				16			259	9793	1001	104	498	99	0	299	100	5827	9850	0	27572
								35.5	3.6	0.4	1.8	0.4	0.0	1.1	0.4	21.1	35.7	0.0	100.0
Stillwell and Kohler 82	*I. oxyrinchus*	NWA	%IRI	1	399	31.6	273	97.5	2.4		0.02	0.03				0.01	0.006	0	
Cliff et al. 90	*I. oxyrinchus*	SWI	%IRI	1	151	40.9	47	10.9				0.02					89.1		
Cliff et al. 90	*I. oxyrinchus*	SWI	%O	1			41	53.5	9.8							2.4	46.3	2.4	
Stevens 84a	*I. oxyrinchus*	SWP	%O	1	94	33	63	85.7	22.2		6.3					1.6			
Bass et al. 73	*I. oxyrinchus*	SWI	%O	1	12	16.7	10	60	20								40		
Strasburg 58	*I. oxyrinchus*	CP	%O	1	13	46.1	7	71.4	28.6										
Capape 75b	*I. oxyrinchus*	MED	%O	1	11	0	11	100	54.5		18.2								
Gubanov 74	*I. oxyrinchus*	NWIO	%O	1			1								100				
				8			453	36922	3455	0	603	9	0	0	100	202	6488	99	47877
								77.1	7.2	0.0	1.3	0.0	0.0	0.0	0.2	0.4	13.6	0.2	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Ellis and Shackley 95	*Lamna nasus*	NEA	%O	1			24	87.5	12.5										
Stevens 73	*Lamna nasus*	NEA	%O	1			4	100	25									25	
Capape 75b	*Lamna nasus*	MED	%O	1			1	100											
Gauld 89	*Lamna nasus*	NEA	%O	1			86	100	34.9			2.3		1.2					
				4			115	11200	3401	0	0	198	0	103	0	0	0	100	15002
								74.7	22.7	0.0	0.0	1.3	0.0	0.7	0.0	0.0	0.0	0.7	100.0
ODONTASPIDIDAE																			
Bass et al. 75c	*Odontaspis taurus*	SWI	%O	1	37	40.5	22	81.8									31.8		
Menni et al. 82	*Odontaspis taurus*	SWA	%O	1			1	100											
Moulton 54	*Odontaspis taurus*	NWA	%O	1			1	100	100										
Sauer and Smale 91	*Odontaspis taurus*	SWI	%IRI	1	5	20	4	36.1	27.6		0.9						35.4		
Gelsleichter et al. submitte	*Odontaspis taurus*	NWA	%IRI	1	54	22	42	64.98	0.07		0.02						34.92	0.02	
				5			70	4873	213	0	4	0	0	0	0	0	2308	1	7400
								65.9	2.9	0.0	0.1	0.0	0.0	0.0	0.0	0.0	31.2	0.0	100.0
ALOPIIDAE																			
Gruber and Compagno 81	*Alopias superciliosus*	ALL	%O	1			1	100	100										
Fitch and Craig 64	*Alopias superciliosus*	NEP	%O	1			1	100											
Stillwell and Casey 7	*Alopias superciliosus*	NWA	%O	1	35	48.5	18	27	66										
				3			20	686	1288	0	0	0	0	0	0	0	0	0	1974
								34.8	65.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Pascoe 86	*Alopias vulpinus*	NEA	%O	1	1	0	1	100											
Castillo et al. 92	*Alopias vulpinus*	NEP	%O	1	926	58.6	383	26	73.5		0.5								
Capape 75b	*Alopias vulpinus*	MED	%O	1			4	100									100		
				3			388	10458	28151	0	192	0	0	0	0	0	400	0	39200
								26.7	71.8	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.0	0.0	100.0
CETORHINIDAE																			
Baduini 95	*Cetorhinus maximus*	NEP	%O	1	9	0	9						100						
Antezana 77	*Cetorhinus maximus*	SEP	%O	1			1						100						
Konstantinov and Nizovtsev 7	*Cetorhinus maximus*	NWP	%O	1			1						100						
				3			11	0	0	0	0	0	1100	0	0	0	0	0	1100
								0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
MEGACHASMIDAE																			
Taylor et al. 83	*Megachasma pelagios*	CP	%O	1			1						100						
Diamond 85	*Megachasma pelagios*	NEP	%O	1			1				100	100							
Berra and Hutchins 90	*Megachasma pelagios*	NEI	%O	1			1				100	100	100						
Yano et al. 97	*Megachasma pelagios*	NWP	%O	1			1						100						
				4			4	0	0	0	200	200	300	0	0	0	0	0	700
								0.0	0.0	0.0	28.6	28.6	42.9	0.0	0.0	0.0	0.0	0.0	100.0
PSEUDOCARCHARIIDAE																			
MITSUKURINIDAE																			
ORECTOLOBIFORMES																			
STEGOSTOMATIDAE																			
Bass et al. 75c	*Stegostoma fasciatum*	SWI	%O	1			6			100									
				1			6	0	0	600	0	0	0	0	0	0	0	0	600
								0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
RHINIODONTIDAE																			
Silas and Rajagopalan 63	*Rhincodon typus*	NIO	%V	1			1	1.1		0.04	0.06		86.6					1.4	
Silas 86	*Rhincodon typus*	NIO	%V	1			2	80.3					14.4					3.3	
Silas 86	*Rhincodon typus*	NIO	%O	1			1	100	100				100					100	
				3			4	262	100	0	0	0	215	0	0	0	0	108	685.2
								38.2	14.6	0.0	0.0	0.0	31.4	0.0	0.0	0.0	0.0	15.8	100.0
GINGLYMOSTOMIDAE																			
Beebe and Tee-Van 28	*Ginglymostoma cirratum*	CARIB	%O	1			1	100											
Bell and Nichols 21	*Ginglymostoma cirratum*	NWA	%O	1			2		100		50								
Cruz et al. 86	*Ginglymostoma cirratum*	CARIB	%O	1	21	40	13	25	10		65								
				3			16	425	330	0	945	0	0	0	0	0	0	0	1700
								25.0	19.4	0.0	55.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Stevens 84b	*Nebrius ferrugineus*	SWI	%O	1	6	0	6	50	100	16.7									
				1			6	300	600	100	0	0	0	0	0	0	0	0	1000

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
								30.0	60.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
HEMISCYLLIDAE																			
Euzen 87	*Chiloscyllium griseum*	CI	%N	1	89	12.3	78	30.3	2.3	7.8	33.5	26.1							
				1			78	2363	179	608	2613	2036	0	0	0	0	0	0	7800
								30.3	2.3	7.8	33.5	26.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Heupel & Bennett 97	*Hemiscyllium ocellatum*	SWP	%IRI	1	40	5	38	0.3			54.2	45.6							
				1			38	11	0	0	2060	1733	0	0	0	0	0	0	3804
								0.3	0.0	0.0	54.1	45.6	0.0	0.0	0.0	0.0	0.0	0.0	100.0
ORECTOLOBIDAE																			
PARASCYLLIDAE																			
BRACHAELURIDAE																			
HEXANCHIFORMES																			
HEXANCHIDAE																			
Bass et al. 75d	*Heptranchias perlo*	SWI	%O	1	10	40	6	16.7	83.3										
Capape 75b	*Heptranchias perlo*	MED	%O	1	9	22.2	7	71.4	14.3		28.6						14.3		
				2			13	600	600	0	200	0	0	0	0	0	100	0	1500
								40.0	40.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	6.7	0.0	100.0
Backus 57	*Hexanchus griseus*	NWA	%O	1			1	100	100								100		
Springer and Waller 69	*Hexanchus griseus*	CARIB	%O	1			1	100											
Ebert 86	*Hexanchus griseus*	NEP	%O	1	15	46.7	8	62.5								25	37.5		
Ebert 94	*Hexanchus griseus*	NEP	%IRI	1	57	31.6	39	15.2	83.6								1.2		
Ebert 94	*Hexanchus griseus*	NEP	%IRI	1	68	29.4	48	19.6	58.6	0.8	0.1					6.7	14.1		
Ebert 94	*Hexanchus griseus*	NEP	%IRI	1	12	25	9	32.2	11.1							51	5.8		
				6			106	2523	6273	38	5	0	0	0	0	981	1176	0	10996
								22.9	57.0	0.3	0.0	0.0	0.0	0.0	0.0	8.9	10.7	0.0	100.0
Springer and Waller 69	*Hexanchus vitulus*	CARIB	%O	1			1	100											

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
				1			1	100	0	0	0	0	0	0	0	0	0	0	100
								100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ebert 89	*Notorynchus cepedianus*	NEP	%O	1			38	38		2.6	2.6					7.4	47.1		
Ebert 89	*Notorynchus cepedianus*	NEP	%N	1			38	41		3	3					8	51		
Ebert 91a	*Notorynchus cepedianus*	SWI	%IRI	1	91	29.7	64	21.1	0.3		0.2					44.5	34		
Ebert 91a	*Notorynchus cepedianus*	SEA	%IRI	1	103	29.1	73	9.1	0.1		0.4					27.7	62.2	0.5	
Ebert 91a	*Notorynchus cepedianus*	SEA	%IRI	1	94	31.9	64	9.1	0.3	0.9	0.04					87.3	2.2		
Ebert 91a	*Notorynchus cepedianus*	SEA	%IRI	1	46	32.6	31	23.9		0.4						4.2	71	0.4	
Menni et al. 82	*Notorynchus cepedianus*	SWA	%O	1			5	100											
				7			313	6840	46	283	257	0	0	0	0	11173	12786	49	31434
								21.8	0.1	0.9	0.8	0.0	0.0	0.0	0.0	35.5	40.7	0.2	100.0
CHLAMYDOSELACHIDAE																			
Kubota et al. 91	*hlamydoselachus anguine*	NWP	%O	1	139	72.7	38	10.5	60.5										
				1			38	399	2299	0	0	0	0	0	0	0	0	0	2698
								14.8	85.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
PRISTIOPHORIFORMES																			
PRISTIOPHORIDAE																			
Bass et al. 75d	*Pliotrema warreni*	SWI	%O	1	26	61.5	10	80	10		10								
				1			10	800	100	0	100	0	0	0	0	0	0	0	1000
								80.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
SQUATINIFORMES																			
SQUATINIDAE																			
Capape 75b	*Squatina aculeata*	MED	%O	1	30	40	20	90	30		70								
				1			20	1800	600	0	1400	0	0	0	0	0	0	0	3800
								47.4	15.8	0.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Capape 75b	*Squatina africana*	SWI	%O	1	18	38.9	11	90.9	36.4										
				1			11	1000	400	0	0	0	0	0	0	0	0	0	1400

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
								71.4	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Cousseau 73	*Squatina argentina*	SWA	%O	1	94	43.6	53	68.3	1.7		15								
				1			53	3620	90	0	795	0	0	0	0	0	0	0	4505
								80.4	2.0	0.0	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Pittenger 84	*Squatina californica*	NEP	%O	1	65	58.5	27	100	100									7.4	
				1			27	2700	2700	0	0	0	0	0	0	0	0	200	5600
								48.2	48.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	100.0
Capape 75b	*Squatina oculata*	MED	%O	1	26	46.1	14	100	14		50								
				1			14	1400	196	0	700	0	0	0	0	0	0	0	2296
								61.0	8.5	0.0	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ellis et al. 96	*Squatina squatina*	NEA	%P	1	19	5.2	15	93.75	2.08		4.17								
Capape 75b	*Squatina squatina*	MED	%O	1	32	43.7	18	100	16		66								
				2			33	3206	319	0	1251	0	0	0	0	0	0	0	4776
								67.1	6.7	0.0	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
SQUALIFORMES																			
SQUALIDAE																			
Burgess and Springer 86	*Aculeola nigra*	SEP	%O	1			2	50	50		100								
				1			2	100	100	0	200	0	0	0	0	0	0	0	400
								25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Yano and Tanaka 86	*Centrophorus acus*	NWP	%O	1			15	80	7.5									7.5	
				1			15	1200	113	0	0	0	0	0	0	0	0	113	1425
								84.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	100.0
Capape 85	*Centrophorus granulosus*	MED	%O	1	22	9	20	80	10		15						0		
Capape 85	*Centrophorus granulosus*	MED	%O	1	16	25	12	83	17		17						17		
Capape 85	*Centrophorus granulosus*	MED	%O	1	20	15	17	71	12		18						0		
Capape 85	*Centrophorus granulosus*	MED	%O	1	13	16	11	73	18		18						18		
Capape 85	*Centrophorus granulosus*	MED	%O	1	19	11	17	71	12		24						6		

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Capape 85	*Centrophorus granulosus*	MED	%O	1	13	8	12	83	8		25						17		
Capape 85	*Centrophorus granulosus*	MED	%O	1	20	10	18	61	17		28						0		
Capape 85	*Centrophorus granulosus*	MED	%O	1	26	15	22	77	14		23						14		
Capape 75	*Centrophorus granulosus*	MED	%O	1	16	25	12	83	16		33								
Ebert et al. 92	*Centrophorus granulosus*	SEA	%O	1	2	50	1		100										
Bass et al. 76	*Centrophorus granulosus*	SWI	%O	1															
Sang 91	*Centrophorus granulosus*	CARIB	%O	1				34	6		8								
				12			142	9601	1820	0	2726	0	0	0	0	0	1016	0	15163
								63.3	12.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	100.0
Mauchline and Gordon 83	*Centrophorus squamosus*	NEA	%O	1	18	50	9	100											
Mauchline and Gordon 83	*Centrophorus squamosus*	NEA	%O	1	365	96.7	12	91.7	8.3										
Marshall and Merrett 77	*Centrophorus squamosus*	NEA	%O	1			1		100										
Ebert et al. 92	*Centrophorus squamosus*	SEA	%IRI	1	21	14.3	18	38.5	60.8		0.7								
Lipinski et al. 92	*Centrophorus squamosus*	SEA	%O	1			1		100										
				5			41	2693	1394	0	13	0	0	0	0	0	0	0	4100
								65.7	34.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Mauchline and Gordon 83	*Centroscyllium fabricii*	NEA	%O	1	9	44.4	5	100	100										
Mauchline and Gordon 83	*Centroscyllium fabricii*	NEA	%O	1			1		100		100								
Clarke and Merrett 72	*Centroscyllium fabricii*	NEA	%O	1			1				100								
Sedberry and Musick 78	*Centroscyllium fabricii*	NWA	%O	1	4	25	3	66			33								
Ebert et al. 92	*Centroscyllium fabricii*	SEA	%IRI	1	148	69.6	45	20.7	1.7		77.6								
Clarke and Merrett 72	*Centroscyllium fabricii*	NEA	%O	1			1				100								
				6			56	1630	677	0	3891	0	0	0	0	0	0	0	6197
								26.3	10.9	0.0	62.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Baba et al. 87	*Centroscyllium ritteri*	NWP	%N	1			72	1.5	0.7	0.1	0.2		98						
Baba et al. 87	*Centroscyllium ritteri*	NWP	%O	1			72	45.8	13.9	1.4	5.6		87.4						
				2			144	3406	1051	108	418	0	13349	0	0	0	0	0	18331
								18.6	5.7	0.6	2.3	0.0	72.8	0.0	0.0	0.0	0.0	0.0	100.0
Mauchline and Gordon 83	*Centroscymnus coelolepis*	NEA	%O	1	18	72.2	5	100	80			40							
Carrasson et al. 92	*Centroscymnus coelolepis*	MED	%IRI	1	69	36.2	44	4.7	79.6		14.9								
Carrasson et al. 92	*Centroscymnus coelolepis*	MED	%IRI	1	17	41.2	10	5.5	92.4			0.8				4.6			
Ebert et al. 92	*Centroscymnus coelolepis*	SEA	%IRI	1	93	23.6	71	7.5	88.4	0.1	0.06					4			
Clarke and Merrett 72	*Centroscymnus coelolepis*	NEA	%O	1			12	25	58.3							25	8.3		
Lipinski et al. 92	*Centroscymnus coelolepis*	SEA	%O	1			2		100										
				6			144	1594	12002	7	660	208	0	0	0	630	100	0	15201
								10.5	79.0	0.0	4.3	1.4	0.0	0.0	0.0	4.1	0.7	0.0	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Mauchline and Gordon 83	*Centroscymnus crepidater*	NEA	%O	1	23	43.5	13	49.9	91.7		16.6								
Ebert et al. 92	*Centroscymnus crepidater*	SEA	%O	1	6	33.3	4	100											
				2			17	1049	1192	0	216	0	0	0	0	0	0	0	2457
								42.7	48.5	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Matallanas 82	*Dalatias licha*	MED	%O	1	97	17.5	80	72.5	21.25		32.5	7.32					23.75		
Matallanas 82	*Dalatias licha*	MED	%W	1	97	17.5	80	71.26	5.52		7.04	1.38					14.68		
Macpherson 80	*Dalatias licha*	MED	%W	1			31	60.3	5.2		14.6						14.3		
Macpherson 80	*Dalatias licha*	MED	%O	1			31	73.4	15.7		41.8						20.9		
Macpherson 81	*Dalatias licha*	MED	%W	1				60.1			9.3						17		
Capape 75b	*Dalatias licha*	MED	%O	1			4	100											
				6			226	16046	2790	0	4912	696	0	0	0	0	4166	0	28608
								56.1	9.8	0.0	17.2	2.4	0.0	0.0	0.0	0.0	14.6	0.0	100.0
Blaber and Bulman 87	*Deania calcea*	SWP	%O	1	64	57	28	92.6	7.4		11.1								
Mauchline and Gordon 83	*Deania calcea*	NEA	%O	1	65	69.2	20	90	10		0								
Mauchline and Gordon 83	*Deania calcea*	NEA	%N	1	65	69.2	20	76.6	11.5		0								
Mauchline and Gordon 83	*Deania calcea*	NEA	%O	1	46	58.7	19	100	15.7		5.2								
Mauchline and Gordon 83	*Deania calcea*	NEA	%N	1	46	58.7	19	84.7	11.5		3.8								
Ebert et al. 92	*Deania calcea*	SEA	%IRI	1	81	23.4	62	96.4	3.5		0.04								
Clarke and Merrett 72	*Deania calcea*	NEA	%O	1			2	100											
Clark and King 89	*Deania calcea*	SWP	%O	1			63	78	20										
Lipinski et al. 92	*Deania calcea*	SEA	%O	1			2		100										
Yano 91	*Deania calcea*	SEA	%IRI	1			61	56.6	42.5										
				10			296	23978	5424	0	484	0	0	0	0	0	0	0	29885
								80.2	18.1	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ebert et al. 92	*Deania profundorum*	SEA	%IRI	1	78	44.9	43	82.2	17.8										
Yano 91	*Deania profundorum*	SEA	%IRI	1			15	73.9	18										
				2			58	4643	1035	0	0	0	0	0	0	0	0	0	5679
								81.8	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Clark et al. 89	*Etmopterus baxteri*	SWP	%IRI	1			117	70.3	26.8		2.3	0.2							
				1			117	8225	3136	0	269	23	0	0	0	0	0	0	11653
								70.6	26.9	0.0	2.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Ebert et al. 92	*Etmopterus cf. brachyurus*	SEA	%IRI	1	81	23.5	62	77.7	17.1		5.1	0.04							
				1			62	4817	1060	0	316	2	0	0	0	0	0	0	6196
								77.7	17.1	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ebert et al. 92	*Etmopterus compagnoi*	SEA	%IRI	1	26	42.3	15	46.9	46.4		6.7								
				1			15	704	696	0	101	0	0	0	0	0	0	0	1500
								46.9	46.4	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ebert et al. 92	*Etmopterus cf. granulosus*	SEA	%IRI	1	159	66.7	53	18.3	60.1		21.6								
Lipinski et al. 92	*Etmopterus granulosus*	SEA	%O	1			1		100										
				2			54	970	3285	0	1145	0	0	0	0	0	0	0	5400
								18.0	60.8	0.0	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Baba et al. 87	*Etmopterus lucifer*	NWP	%N	1			230	13.1	82.7		4.6	0.1	0.4						
Baba et al. 87	*Etmopterus lucifer*	NWP	%O	1			230	40	83.5		12.2	0.4	1.3						
				2			460	12213	38226	0	3864	115	391	0	0	0	0	0	54809
								22.3	69.7	0.0	7.0	0.2	0.7	0.0	0.0	0.0	0.0	0.0	100.0
Mauchline and Gordon 83	*Etmopterus princeps*	NEA	%O	1			7		14.2										
Mauchline and Gordon 83	*Etmopterus princeps*	NEA	%O	1			6	16.7	83.3		16.7								
Marshall and Merrett 77	*Etmopterus princeps*	NEA	%O	1			5	100											
				3			18	600	599	0	100	0	0	0	0	0	0	0	1300
								46.2	46.1	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ebert et al. 92	*Etmopterus pusillus*	SEA	%O	1			5	40	60										
				1			5	200	300	0	0	0	0	0	0	0	0	0	500
								40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%O	1	43	46.5	23	76.2	0		4.8	0	33.4						
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%N	1	43	46.5	23	54.5	0		3	0	24.2						
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%O	1	64	42.2	37	72.4	13.9		5.6	0	33.4						
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%N	1	64	42.2	37	56.2	8.8		5.3	0	24.6						
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%O	1	39	48.7	20	50	30		45	5	0						
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%N	1	39	48.7	20	39.4	21.5		35.7	3.6	0						
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%O	1	121	48.8	62	75	6.6		11.6	0	31.6						
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%N	1	121	48.8	62	55.3	4.2		7.4	0	23.4						
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%O	1	24	29.2	17	47.1	41.2		29.4	5.9	0						

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Mauchline and Gordon 83	*Etmopterus spinax*	NEA	%N	1	24	29.2	17	37.6	29.2		29.2	4.2	0						
Clarke and Merrett 72	*Etmopterus spinax*	NEA	%O	1			1	100	100										
Macpherson 80	*Etmopterus spinax*	MED	%W	1			353	54	23.6		17		5.3						
Macpherson 80	*Etmopterus spinax*	MED	%O	1			353	50.1	30.6		49.3		47.9						
Macpherson 81	*Etmopterus spinax*	MED	%W	1				49.1	11.1		19.4								
Relini Orsi and Wurtz 76	*Etmopterus spinax*	MED	%O	1	144	8.3	132	25.7	43.9		65.6	2.3	84.1						
Relini Orsi and Wurtz 77	*Etmopterus spinax*	MED	%O	1	45	6.6	42	66.7	69		38.1	2.4	80.9						
Relini Orsi and Wurtz 77	*Etmopterus spinax*	MED	%O	1	49	4.8	47	48.9	61.7		21.3		25.5						
Relini Orsi and Wurtz 77	*Etmopterus spinax*	MED	%N	1			135	7.2	21.8		38.2		32.8						
Relini Orsi and Wurtz 77	*Etmopterus spinax*	MED	%N	1			80	21.8	28.6		18.9	2.1	28.6						
				19			1461	67126	39793	0	####	916	48074	0	0	0	0	0	201613
								33.3	19.7	0.0	22.7	0.5	23.8	0.0	0.0	0.0	0.0	0.0	100.0
Baba et al. 87	*Etmopterus unicolor*	NWP	%N	1			84	37.4	44.2		3.1	0.8	14.5						
Baba et al. 88	*Etmopterus unicolor*	NWP	%O	1			84	52.9	56.5		4.7	1.2	20						
				2			168	7585	8459	0	655	168	2898	0	0	0	0	0	19765
								38.4	42.8	0.0	3.3	0.8	14.7	0.0	0.0	0.0	0.0	0.0	100.0
Hubbs et al. 67	*Euprotomicrus bispinatus*	ALL	%O	1			12	91.7	83.3		33.3								
				1			12	1100	1000	0	400	0	0	0	0	0	0	0	2500
								44.0	40.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Strasburg 63	*Isistius brasiliensis*	CP	%O	1	8		8	12.5	75		12.5								
Jahn and Haedrich 87	*Isistius brasiliensis*	ALL	%O	1	109		60	25	33.3		1.7					10			
				2			68	1600	2598	0	202	0	0	0	0	600	0	0	5000
								32.0	52.0	0.0	4.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	100.0
Mauchline and Gordon 83	*Scymnodon ringens*	NEA	%O	1			1	100			100								
				1			1	100	0	0	100	0	0	0	0	0	0	0	200
								50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ebert et al. 92	*Scymnodon squamulosus*	SEA	%O	1	2	100													
				1															
Gushchin et al. 87	*Somniosus microcephalus*	SWA	%O	1			1	100	100										
				1			1	100	100	0	0	0	0	0	0	0	0	0	200

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
								50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Bright 59	*Somniosus pacificus*	NEP	%O	1			1		100	100	100					100			
Gotshall and Jow 65	*Somniosus pacificus*	NEP	%O	1			2	50	50										
Ebert et al. 87	*Somniosus pacificus*	NEP	%O	1			7	28.6	71.4										
Phillips 52	*Somniosus pacificus*	NEP	%O	1			1	100											
Pequeno et al. 91	*Somniosus pacificus*	SEP	%O	1			1	100								100			
Crovetto et al. 92	*Somniosus pacificus*	SEP	%O	1			1	100								100			
				6			13	600	700	100	100	0	0	0	0	300	0	0	1800
								33.3	38.9	5.6	5.6	0.0	0.0	0.0	0.0	16.7	0.0	0.0	100.0
Golani 86/87	*Somniosus rostratus*	MED	%O	1			1		100										
				1			1	0	100	0	0	0	0	0	0	0	0	0	100
								0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ellis et al. 96	*Squalus acanthias*	NEA	%P	1	837	48	435	80.79	2.79		11.9	4.54							
Ebert et al. 92	*Squalus acanthias*	SEA	%IRI	1	176	31.2	121	92.8	6.3		0.8	0.03					0.002		
Jones and Geen 77b	*Squalus acanthias*	NEP	%O	1	672	31.5	460	16.2	4.8		60.4	6.8	10.1				0		
Jones and Geen 77b	*Squalus acanthias*	NEP	%O	1	3483	32.2	2360	41.1	3.3		33.9	8.2	13.3				0.2		
Jones and Geen 77b	*Squalus acanthias*	NEP	%O	1	2040	37.9	1266	42.6	5.6		28.2	8.9	12.7				2		
Jones and Geen 77b	*Squalus acanthias*	NEP	%O	1	6323	36.9	3987	51.2	2.9		27.3	7.8	10.4				0.4		
Jones and Geen 77b	*Squalus acanthias*	NEP	%O	1	2278	38.8	1393	57.3	5.4		22.4	6.9	4.4				3.6		
Holden 66	*Squalus acanthias*	NEA	%O	1	955	73.2	256	79.3	11.8	1.8	1.8	2.4	0.6			1.2		0.6	
Holden 66	*Squalus acanthias*	NEA	%O	1	119	59.7	48	67.7	0	3.2	29.1	0	0			0		0	
Ford 21	*Squalus acanthias*	NEA	%O	1			143	96		2.1	4.2						1.4		
Chatwin and Forrester 53	*Squalus acanthias*	NEP	%O	1	256	26.6	188	23.9	0.5		58.5								
Chatwin and Forrester 53	*Squalus acanthias*	NEP	%O	1	285	17.9	234	62.8	3.8		23.9								
Chatwin and Forrester 53	*Squalus acanthias*	NEP	%O	1	950	48.5	489	60.9	4.7		23.7								
Bonham et al. 49	*Squalus acanthias*	NEP	%V	1	1122	41.3	659	46			16.7		9				20		
Bonham 54	*Squalus acanthias*	NEP	%VO	1	1100	41	649	47.5	4.7	0.1	7.3	5.2	8.7				20	0.8	
Bowman 86	*Squalus acanthias*	NWA	%V	1	628	74	165	87.6	5		1.7	0.1							
Bowman 86	*Squalus acanthias*	NWA	%V	1	1050	75	265	60.2	31.8		0.1	5.1							
Templeman 44	*Squalus acanthias*	NEA	%O	1	1171	56.8	139	60			45	8							
Hanchet 91	*Squalus acanthias*	SWP	%O	1	7283	29.3	5154	12.6	5.4	1.1	60.4	12.8					0.3		
Jardas 72	*Squalus acanthias*	MED	%O	1			81	52.3	33.8		12.3	1.5							
Menni 85	*Squalus acanthias*	SWA	%O	1	10	50	5	50	33			17							
Menni 85	*Squalus acanthias*	SWA	%O	1	5	0	5	100											
Menni 85	*Squalus acanthias*	SWA	%O	1	3	0	3	75				25							
Menni 85	*Squalus acanthias*	SWA	%O	1	18	61.1	7	57	14			14							
Menni 85	*Squalus acanthias*	SWA	%O	1	11	27.8	8	44			22	11							
Menni 85	*Squalus acanthias*	SWA	%O	1	9	66.7	7	50				50							
Menni 85	*Squalus acanthias*	SWA	%O	1	6	50	3	33											

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
Menni 85	*Squalus acanthias*	SWA	%O	1	1	0	1					100							
Menni 86	*Squalus acanthias*	SWA	%O	1	104	36.5	66	70.3	12.2		6.8						4.1		
Sato 35	*Squalus acanthias*	NWP	%O	1			128	46.9				16.4							
Jensen 65	*Squalus acanthias*	NWA	%O	1			33	60	7		33								
Garcia de la Rosa and Sanchez 9	*Squalus acanthias*	SWA	%O	1	817	38.7	501	35.5	18.7		4.4	51							
				32			19259	776601	97988	6649	####	####	#####	0	0	307	37791	673	######
								41.6	5.2	0.4	35.2	9.5	6.0	0.0	0.0	0.0	2.0	0.0	100.0
Capape 75b	*Squalus blainvillei*	MED	%O	1			972	38	22		34								
Menni et al. 82	*Squalus blainvillei*	SWA	%O	1	3	33.3	2	50	50										
				2			974	37036	21484	0	####	0	0	0	0	0	0	0	91568
								40.4	23.5	0.0	36.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Menni et al. 82	*Squalus cubensis*	SWA	%O	1	14	14.3	12	81.8	9.1			9.1							
				1			12	982	109	0	0	109	0	0	0	0	0	0	1200
								81.8	9.1	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Ebert et al. 92	*Squalus megalops*	SEA	%IRI	1	88	39.8	53	77.4	20		1.8	0.7							
Sauer and Smale 91	*Squalus megalops*	SWI	%IRI	1	60	25	45	39.3	58.1	0.04	2.3	0.1					0.2		
				2			98	5871	3675	2	199	42	0	0	0	0	9	0	9797
								59.9	37.5	0.0	2.0	0.4	0.0	0.0	0.0	0.0	0.1	0.0	100.0
Ebert et al. 92	*Squalus cf. mitsukurii*	SEA	%IRI	1	271	22.1	211	77.2	22.7		0.04	0.01							
Wilson and Seki 94	*Squalus mitsukurii*	CP	%IRI	1	293	65.5	101	68.8	20.4		10.6	0.2							
Litvinov 90	*Squalus mitsukurii*	SEP	%O	1	110	n/a	72	100	4.2		6.9						1.4		
Lipinski et al. 92	*Squalus mitsukurii*	SEA	%O	1			1		100										
				4			385	30438	7253	0	1576	22	0	0	0	0	101	0	39389
								77.3	18.4	0.0	4.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	100.0
ECHINORHINIDAE																			
Musick and McEachran 69	*Echinorhinus brucus*	NWA	%O	1			1	100									100		
Collyer 52	*Echinorhinus brucus*	CEP	%O	1			1	100											
				2			2	200	0	0	0	0	0	0	0	0	100	0	300
								66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	100.0
OXYNOTIDAE																			

Study	Species	GEO	Method	Wi	N	% empty	*n*	FISH	CEPH	MOL	CR	INV	ZOO	BIR	REP	MAM	COND	PL	SUM
HETERODONTIFORMES																			
HETERODONTIDAE																			
Segura-Zarzosa et al. 97	*Heterodontus francisci*	NEP	%IRI	1	108	10.2	97	0.02	0.07	71.3	27	0.2						1.4	
				1			97	2	7	6916	2619	19	0	0	0	0	0	136	9699
								0.0	0.1	71.3	27.0	0.2	0.0	0.0	0.0	0.0	0.0	1.4	100.0