

Appendix 1 Aldabra (continued)

FAMILY/Genus species	2002	2002	2001	2001	1999	1999
	SITES 1-8	SITES 1-8	SITES 1-8	SITES 1-8	SITES 1-7	SITES 1-7
	Number in transects	Sighted off transect	Number in transects	Sighted off transect	Number in transects	Sighted off transect
PLESIOPIDAE						
<i>Calloplesiops altivelis</i>				X		
Total Fish Counted	71999		34901		61939	
Total Area Surveyed	2400m²		2325m²		2100m²	
Fish/100m²	3000		1501		2949	
Number of Species	179	41	191	14	165	46
Total Number Species Identified	221		205		211	

Appendix 2. Number of fish counted, by transect depths and fish size groups, during the Aldabra Marine Programme surveys in February 2002.

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1600m²				800m²				2400m²
Fish Size Group (Total Length)	<1-10cm	>10 - 20cm	>20cm	Total	<1-10cm	>10 - 20cm	>20cm	Total	Total
FAMILY/Genus species									
CHANIDAE									
<i>Chanos chanos</i>			2	2					2
SYNODONTIDAE									
<i>Synodus variegatus</i>					7	1		8	8
HOLOCENTRIDAE									
<i>Myripristis adusta</i>			2	2			20	20	22
<i>Myripristis berndti</i>		10	14	24	1	132	63	196	220
<i>Neoniphon sammara</i>						7		7	7
<i>Sargocentron caudimaculatum</i>		7	10	17		14	3	17	34
<i>Sargocentron diadema</i>						3		3	3
<i>Sargocentron spiniferum</i>							2	2	2
SERRANIDAE									
<i>Aethaloperca rogaa</i>			1	1			40	40	41
<i>Cephalopholis argus</i>		1	18	19			4	4	23
<i>Cephalopholis miniata</i>		6	13	19		4	8	12	31
<i>Epinephelus fasciatus</i>		2		2					2
<i>Epinephelus multinotatus</i>							3	3	3
<i>Epinephelus spilotoceps</i>			7	7			1	1	8
<i>Epinephelus tukula</i>			1	1					1
<i>Gracilia albomarginata</i>			11	11			5	5	16
<i>Plectropomus laevis</i>							1	1	1
<i>Variola louti</i>		4	1	5		3	2	5	10
<i>Pseudanthias cooperi</i>					4			4	4
<i>Pseudanthias evansi</i>	12			12	120	40		160	172

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1600m ²				800m ²				2400m ²
Fish Size Group (Total Length)	<1-10cm	>10 - 20cm	>20cm	Total	<1-10cm	>10 - 20cm	>20cm	Total	Total
FAMILY/Genus species									
<i>Pseudanthias squamipinnis</i>	1450			1450	1297			1297	2747
<i>Plectropomus areolatus</i>			2	2			1	1	3
<i>Cephalopholis nigripinnis</i>	11	39	31	81	5	13	1	19	100
APOGONIDAE									
<i>Apogon apogonoides</i>	786			786	3151			3151	3937
<i>Apogon fraenatus</i>					2			2	2
<i>Apogon nigrofaciatus</i>					2			2	2
<i>Cheilodipterus macrodon</i>		1		1					1
<i>Cheilodipterus quinquelineatus</i>	6			6					6
HAEMULIDAE									
<i>Plectorhinchus obscurus</i>			1	1					1
<i>Plectorhinchus orientalis</i>			2	2					2
<i>Plectorhinchus plagiodesmus</i>			2	2					2
LUTJANIDAE									
<i>Aphareus furca</i>			14	14			3	3	17
<i>Lutjanus bohar</i>		2	2	4		8	8	16	20
<i>Lutjanus kasmira</i>					25	2	122	149	149
<i>Lutjanus monostigma</i>							1	1	1
CAESIONIDAE									
<i>Pterocaesio lativittata</i>							8	8	8
<i>Pterocaesio tile</i>		11		11		10	2	12	23
MULLIDAE									
<i>Parupeneus barbarensis</i>	37	5		42	20	2		22	64
<i>Parupeneus bifasciatus</i>		8	2	10		4	4	8	18
<i>Parupeneus cyclostomus</i>			5	5	6	2	2	10	15
<i>Parupeneus macronema</i>	26	21	4	51	12	7	1	20	71
<i>Parupeneus pleurostigma</i>		1		1					1
PEMPHERIDAE									
<i>Pempheris vanicolensis</i>						1		1	1
CHAETODONTIDAE									
<i>Chaetodon auriga</i>		3		3		8	1	9	12
<i>Chaetodon bennetti</i>		1		1		12		12	13
<i>Chaetodon falcula</i>		2		2		10	2	12	14
<i>Chaetodon guttatissimus</i>	14	6		20	6	7		13	33
<i>Chaetodon kleinii</i>		1		1	12	26		38	39
<i>Chaetodon lineolatus</i>							2	2	2
<i>Chaetodon lunula</i>		4	6	10		3	1	4	14
<i>Chaetodon melannotus</i>		9		9		2		2	11
<i>Chaetodon meyeri</i>	6	10		16	1	2		3	19
<i>Chaetodon trifasciatus</i>	2	10		12		4		4	16

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1600m ²				800m ²				2400m ²
Fish Size Group (Total Length)	<1-10cm	>10 - 20cm	>20cm	Total	<1-10cm	>10 - 20cm	>20cm	Total	Total
FAMILY/Genus species									
<i>Chaetodon unimaculatus</i>						1		1	1
<i>Chaetodon zanzibariensis</i>						2		2	2
<i>Forcipiger flavissimus</i>	9	7		16	2	6		8	24
<i>Forcipiger longirostris</i>						1		1	1
<i>Hemitaenichthys zoster</i>	8	26		34	1	19		20	54
<i>Heniochus acuminatus</i>						1		1	1
<i>Chaetodon interruptus</i>		2		2					2
<i>Chaetodon madagaskariensis</i>						2		2	2
<i>Chaetodon vagabundus</i>						1		1	1
LETHRINIDAE									
<i>Monotaxis grandoculis</i>		4	4	8	3	7	17	27	35
EPHIPPIDAE									
<i>Platax orbicularis</i>			2	2					2
MALACANTHIDAE									
<i>Malacanthus brevirostris</i>					1			1	1
<i>Malacanthus latovittatus</i>	1		1	2					2
PINGUIDIDAE									
<i>Parapercis punctulata</i>	31			31	29	2		31	62
POMACANTHIDAE									
<i>Apolemichthys trimaculatus</i>		2		2		1		1	3
<i>Centropyge acanthops</i>	76			76	92			92	168
<i>Centropyge multispinis</i>	168			168	62	1		63	231
<i>Pomacanthus imperator</i>			3	3			2	2	5
<i>Pygoplites diacanthus</i>			1	1		1	1	2	3
<i>Centropyge bispinosa</i>	1			1					1
<i>Pomacanthus semicirculatus</i>							1	1	1
POMACENTRIDAE									
<i>Amphiprion chrysogaster</i>	2			2					2
<i>Amphiprion clarkii</i>		4		4	2	4		6	10
<i>Chromis dimidiata</i>	1451			1451	816			816	2267
<i>Chromis nigrura</i>	3196			3196	242			242	3438
<i>Chromis ternatensis</i>	783			783	143			143	926
<i>Chromis weberi</i>	260	53		313	188	10		198	511
<i>Chromis xanthurus</i>					3			3	3
<i>Dascyllus carneus</i>	18			18	72			72	90
<i>Dascyllus trimaculatus</i>	31			31	37			37	68
<i>Lepidozygus tapeinotoma</i>	37556	20		37576	11334			11334	48910
<i>Plectroglyphidodon dickii</i>	11			11					11
<i>Plectroglyphidodon johnstonianus</i>	51			51	7			7	58
<i>Plectroglyphidodon lacrymatus</i>	108	4		112	17			17	129
<i>Pomacentrus caeruleus</i>	98			98	20			20	118

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1600m ²				800m ²				2400m ²
Fish Size Group (Total Length)	<1-10cm	>10 - 20cm	>20cm	Total	<1-10cm	>10 - 20cm	>20cm	Total	Total
FAMILY/Genus species									
<i>Pomacentrus sulfureus</i>	2			2	1			1	3
<i>Chromis xutha</i>					36			36	36
<i>Chromis opercularis</i>	3			3	10			10	13
<i>Pomacentrus philippinus</i>	12			12					12
LABRIDAE									
<i>Anampses lineatus</i>	1	2		3		3		3	6
<i>Anampses meleagrides</i>	5	6		11		3	1	4	15
<i>Bodianus axillaris</i>		9	1	10		9		9	19
<i>Bodianus bilunulatus</i>			2	2					2
<i>Bodianus diana</i>	1	10		11	2	10	3	15	26
<i>Cirrhitilabrus exquisitus</i>	1427	26		1453	445			445	1898
<i>Coris cuvieri</i>	5	7		12					12
<i>Coris aygula</i>			1	1			1	1	2
<i>Coris frerei</i>	3	1	4	8					8
<i>Epibulus insidiator</i>		1		1					1
<i>Gomphosus caeruleus</i>	31	25		56	1	10		11	67
<i>Halichoeres cosmetus</i>	168	15		183	64	9		73	256
<i>Halichoeres hortulanus</i>	7	16	1	24	2	8	1	11	35
<i>Hemigymnus fasciatus</i>	2	2	8	12			1	1	13
<i>Hemigymnus melapterus</i>			1	1					1
<i>Hologymnosus doliatus</i>		9	9	18		1		1	19
<i>Labroides bicolor</i>	5	1		6	12	3		15	21
<i>Labroides dimidiatus</i>	257	6		263	132			132	395
<i>Labrobsis xanthonata</i>	2	2		4	1			1	5
<i>Macropharingodon bipartitus</i>	11	3		14					14
<i>Pseudocheilinus evanidus</i>	115			115	202			202	317
<i>Pseudocheilinus hexataenia</i>	406			406	76	1		77	483
<i>Pseudocheilinus octotaenia</i>	40	10		50	4			4	54
<i>Pseudodax molucanus</i>		11	12	23		5	2	7	30
<i>Thalassoma amblycephalum</i>	487	43		530	93	6		99	629
<i>Thalassoma hardwicke</i>	12	1		13					13
<i>Thalassoma herbraicum</i>	9	21	5	35	1	7		8	43
<i>Thalassoma janseni</i>	10	2		12	1	1		2	14
<i>Thalassoma lunare</i>	1	11		12	11	9	2	22	34
<i>Cheilinus fasciatus</i>		1		1					1
<i>Macropharingodon ornatus</i>					1			1	1
<i>Bodianus anthioides</i>						4	2	6	6
<i>Coris caudimacula</i>	44	16		60	31	2		33	93
<i>Pseudojuloides kaleidas</i>					10			10	10
<i>Stethojulis albobittata</i>	4	13		17	9	1		10	27
<i>Cheilinus trilobatus</i>		1	2	3					3
CIRRHITIDAE									
<i>Cirrhitichthys oxycephalus</i>	9			9	13			13	22
<i>Paracirrhites arcatus</i>	27	3		30	3	2		5	35
<i>Paracirrhites forsteri</i>	22	2		24	10	4		14	38

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1600m ²				800m ²				2400m ²
Fish Size Group (Total Length)	<1-10cm	>10 - 20cm	>20cm	Total	<1-10cm	>10 - 20cm	>20cm	Total	Total
FAMILY/Genus species									
SCARIDAE									
<i>Bolbometopon muricatum</i>							22	22	22
<i>Scarus sordidus</i>	39	152	48	239	2	22	9	33	272
<i>Scarus rubroviolatus</i>			1	1					1
<i>Scarus tricolor</i>	4	23	2	29	2	1	1	4	33
CARANGIDAE									
<i>Caranx melampygus</i>		5	139	144			15	15	159
<i>Caranx sexfasciatus</i>							10	10	10
<i>Scomberoides lysan</i>			10	10					10
<i>Carangoides fulvoguttatus</i>			20	20			1	1	21
<i>Gnathanodon speciosus</i>			2	2					2
BLENNIIDAE									
<i>Aspidontus taeniatus</i>					4			4	4
<i>Ecsenius midas</i>	1			1	15			15	16
<i>Plagiotremus rhinorhynchus</i>	25			25	30			30	55
<i>Plagiotremus tapeinosoma</i>	29			29	24			24	53
<i>Ecsenius minutus</i>	6			6	5			5	11
<i>Cirripectes castaneus</i>	15			15					15
GOBIIDAE									
<i>Valenciennea strigata</i>	3	4		7	3			3	10
ACANTHURIDAE									
<i>Acanthurus leucocheilus</i>			3	3					3
<i>Acanthurus leucosternon</i>	6	94	11	111		2		2	113
<i>Acanthurus thompsoni</i>	1	17	22	40	6	34	11	51	91
<i>Ctenochaetus binotatus</i>	3			3	16			16	19
<i>Ctenochaetus striatus</i>	36	65	49	150	13	11		24	174
<i>Ctenochaetus strigosus</i>	148	219		367	21	35		56	423
<i>Naso brevirostris</i>		2	60	62					62
<i>Naso hexacanthus</i>			1	1					1
<i>Naso lituratus</i>			7	7		1	1	2	9
<i>Zebrasoma scopas</i>	18	37		55	7	6		13	68
<i>Acanthurus lineatus</i>			5	5					5
<i>Acanthusus nigricauda</i>			7	7					7
<i>Acanthurus tennenti</i>			9	9			3	3	12
<i>Naso vlamingii</i>			27	27			117	117	144
<i>Paracanthurus hepatus</i>	3			3					3
ZANCLIDAE									
<i>Zanclus cornutus</i>		2	4	6		5		5	11
BALISTIDAE									
<i>Balistapus undulatus</i>	1	2		3					3

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1600m ²				800m ²				2400m ²
Fish Size Group (Total Length)	<1-10cm	>10 - 20cm	>20cm	Total	<1-10cm	>10 - 20cm	>20cm	Total	Total
FAMILY/Genus species									
<i>Balistoides conspicillum</i>							1	1	1
<i>Melichthys indicus</i>		5	31	36			6	6	42
<i>Melichthys niger</i>			9	9			1	1	10
<i>Odonus niger</i>			25	25					25
<i>Sufflamen bursa</i>		3	3	6		1		1	7
<i>Sufflamen chrysopterus</i>	1	3		4	2			2	6
TETRAODONTIDAE									
<i>Arothron meleagris</i>							1	1	1
<i>Arothron nigropunctatus</i>		2	2	4		1	2	3	7
<i>Canthigaster valentini</i>	4			4					4
<i>Canthigaster smithae</i>	3			3	2			2	5
SCOMBRIDAE									
<i>Gymnosarda unicolor</i>			4	4			4	4	8
SIGANIDAE									
<i>Siganus argenteus</i>		1	6	7					7
<i>Siganus stellatus</i>			2	2					2
MICRODESMIDAE									
<i>Nemateleotris magnifica</i>	104			104	77			77	181
<i>Ptereleotris evides</i>	2			2					2
Total Fish Counted	49781	1200	717	51704	19144	601	550	20295	71999
Number of Species	79	80	65	147	75	71	55	137	179
Fish/100m²	3111	75	45	3232	2393	75	69	2537	3000

Appendix 3. Number of fish counted at Astove, by transect depths and fish size groups, during the Aldabra Marine Programme surveys in February 2002.

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
MURAENIDAE										
<i>Gymnothorax javanicus</i>										X
CHANIDAE										
<i>Chanos chanos</i>										X

Appendix 3 Astove (continued)

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
SYNODONTIDAE										
<i>Synodus jaculum</i>					1			1	1	
HOLOCENTRIDAE										
<i>Myripristis berndti</i>	1	31	21	53		60		60	113	
<i>Myripristis murdjan</i>						1		1	1	
<i>Myripristis vittata</i>		10		10		30		30	40	
<i>Neoniphon sammara</i>		3		3					3	
<i>Sargocentron caudimaculatum</i>		5	1	6			1	1	7	
SERRANIDAE										
<i>Cephalopholis argus</i>										X
<i>Cephalopholis miniata</i>										X
<i>Dermatolepis striolatus</i>										X
<i>Epinephelus tukula</i>										X
<i>Plectropomus laevis</i>										X
<i>Variola louti</i>										X
<i>Pseudanthias evansi</i>	290			290	50			50	340	
<i>Pseudanthias squamipinnis</i>					178			178	178	
<i>Cephalopholis nigripinnis</i>		2	6	8		2	1	3	11	
<i>Cephalopholis sexmaculata</i>										X
HAEMULIDAE										
<i>Plectorhinchus obscurus</i>										X
LUTJANIDAE										
<i>Aphareus furca</i>										X
<i>Aprion virescens</i>										X
<i>Lutjanus bohar</i>			1	1			6	6	7	
<i>Lutjanus fulvus</i>										X
<i>Lutjanus gibbus</i>										X
<i>Lutjanus monostigma</i>			15	15					15	
<i>Lutjanus erenberghi</i>			15	15					15	
CAESIONIDAE										
<i>Caesio xanthonota</i>										X
<i>Pterocaesio tile</i>		3		3		500		500	503	
MULLIDAE										
<i>Parupeneus barbarensis</i>	1			1					1	
<i>Parupeneus bifasciatus</i>										X
<i>Parupeneus cyclostomus</i>	1			1					1	
<i>Parupeneus macronema</i>	1			1	2			2	3	
<i>Mulloidichthys vanicolensis</i>										X

Appendix 3 Astove (continued)

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
PEMPHERIDAE										
<i>Pempheris vanicolensis</i>	5	20		25	20	26		46	71	
CHAETODONTIDAE										
<i>Chaetodon auriga</i>		2		2		1	1	2	4	
<i>Chaetodon falcula</i>										X
<i>Chaetodon guttatissimus</i>	4	10		14	1			1	15	
<i>Chaetodon kleinii</i>						4		4	4	
<i>Chaetodon lunula</i>		2	1	3					3	
<i>Chaetodon melannotus</i>		1		1					1	
<i>Chaetodon meyeri</i>		4		4					4	
<i>Chaetodon paucifaciatius</i>										X
<i>Chaetodon trifasciatus</i>										X
<i>Chaetodon unimaculatus</i>		4		4					4	
<i>Chaetodon xanthocephalus</i>										X
<i>Chaetodon zanzibariensis</i>										
<i>Forcipiger flavissimus</i>	3	1		4		2		2	6	
<i>Hemitaenichthys zoster</i>										X
<i>Heniochus acuminatus</i>										X
<i>Heniochus monoceros</i>										X
<i>Chaetodon trifascialis</i>		2		2					2	
<i>Chaetodon mitratus</i>										X
LETHRINIDAE										
<i>Gnathodentex aureolineatus</i>		20	20	40					40	
<i>Monotaxis grandoculis</i>										X
POMACANTHIDAE										
<i>Apolemichthys trimaculatus</i>		1		1					1	
<i>Centropyge multispinis</i>	4			4	3			3	7	
<i>Pomacanthus imperator</i>							2	2	2	
<i>Pygoplites diacanthus</i>			1	1			2	2	3	
<i>Centropyge debelius</i>										X
<i>Pomacanthus semicirculatus</i>										X
POMACENTRIDAE										
<i>Chromis dimidiata</i>	660			660	520			520	1180	
<i>Chromis nigrura</i>	1100			1100	260			260	1360	
<i>Chromis weberi</i>						1		1	1	
<i>Dascyllus trimaculatus</i>	1			1					1	
<i>Lepidozygus tapeinotoma</i>					1600			1600	1600	
<i>Plectroglyphidodon dickii</i>	14			14	1			1	15	
<i>Plectroglyphidodon johnstonianus</i>	5			5	2			2	7	
<i>Chromis xutha</i>										X
<i>Abedefduf vaigiensis</i>		44		44					44	
<i>Amphiprion akallopisos</i>										X

Appendix 3 Astove (continued)

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
LABRIDAE										
<i>Anampses meleagrides</i>		1		1					1	
<i>Anampses twistii</i>										X
<i>Bodianus axillaris</i>		3		3					3	
<i>Bodianus bilunulatus</i>			1	1					1	
<i>Bodianus diana</i>										X
<i>Coris frerei</i>	1			1					1	
<i>Gomphosus caeruleus</i>	6			6					6	
<i>Halichoeres cosmetus</i>	13	7		20	15	2		17	37	
<i>Halichoeres hortulanus</i>	2	3	1	6			1	1	7	
<i>Hemigymnus fasciatus</i>										X
<i>Hemigymnus melapterus</i>			1	1					1	
<i>Labroides bicolor</i>	1			1	3			3	4	
<i>Labroides dimidiatus</i>	25			25	7			7	32	
<i>Macropharngodon bipartitus</i>	2	1		3	2	1		3	6	
<i>Pseudocheilinus evanidus</i>					5			5	5	
<i>Pseudocheilinus hexataenia</i>	15			15	3			3	18	
<i>Pseudocheilinus octotaenia</i>					1	3		4	4	
<i>Pseudodax molucanus</i>						1		1	1	
<i>Thalassoma amblycephalum</i>		14		14		3		3	17	
<i>Thalassoma hardwicke</i>	3			3					3	
<i>Thalassoma herbraicum</i>	4	2		6					6	
<i>Thalassoma lunare</i>										X
<i>Halichoeres trispilus</i>										X
<i>Coris batuensis</i>	6			6					6	
<i>Coris caudimacula</i>					4			4	4	
<i>Stethojulis albobittata</i>	3	6		9					9	
CIRRHITIDAE										
<i>Cirrhitichthys oxycephalus</i>	1			1					1	
<i>Paracirrhites arcatus</i>	2	1		3	5	2		7	10	
SCARIDAE										
<i>Bolbometopon muricatum</i>										
<i>Scarus sordidus</i>			2	2			2	2	4	
<i>Scarus rubroviolatus</i>										X
<i>Scarus strongylocephalus</i>			1	1					1	
<i>Scarus caudofasciatus</i>			1	1					1	
CARANGIDAE										
<i>Caranx ignobilis</i>							4	4	4	
<i>Caranx melampygus</i>			3	3			6	6	9	
<i>Scomberoides lysan</i>										X
SPHYRAENIDAE										
<i>Sphyræna barracuda</i>										X

Appendix 3 Astove (continued)

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
BLENNIIDAE										
<i>Plagiotremus rhinorhynchus</i>	4			4					4	X
GOBIIDAE										
<i>Valenciennea strigata</i>						2		2	2	
ACANTHURIDAE										
<i>Acanthurus leucocheilus</i>			2	2					2	
<i>Acanthurus leucosternon</i>	4	50	16	70		4		4	74	
<i>Acanthurus thompsoni</i>										X
<i>Acanthurus xanthopterus</i>			5	5					5	
<i>Ctenochaetus striatus</i>		13	6	19	2			2	21	
<i>Ctenochaetus strigosus</i>	2	51		53		16		16	69	
<i>Naso brevirostris</i>							8	8	8	
<i>Naso lituratus</i>										X
<i>Zebrasoma scopas</i>						1		1	1	
<i>Acanthus nigricauda</i>										X
<i>Naso vlamingii</i>							1	1	1	
<i>Zebrasoma desjardini</i>										X
ZANCLIDAE										
<i>Zanclus cornutus</i>		2		2		2		2	4	
BALISTIDAE										
<i>Balistapus undulatus</i>		1	1	2					2	
<i>Balistoides conspicillum</i>			1	1					1	
<i>Balistoides viridescens</i>										X
<i>Melichthys indicus</i>										X
<i>Sufflamen bursa</i>										X
OSTRACIIDAE										
<i>Ostracion meleagris</i>										X
TETRAODONTIDAE										
<i>Arothron meleagris</i>										X
<i>Arothron nigropunctatus</i>										X
SCOMBRIDAE										
<i>Gymnosarda unicolor</i>										X
KYPHOSIDAE										
<i>Kyphosus cinerascens</i>			101	101			33	33	134	
MICRODESMIDAE										
<i>Nemateleotris magnifica</i>					1			1	1	
<i>Ptereleotris evides</i>						2		2	2	

Appendix 3 Astove (continued)

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
Total Fish Counted	2184	320	223	2727	2686	666	68	3420	6147	
Number of Species	31	32	23	65	23	22	13	51	83	50
Fish/100m ²	1092	160	111,5	1363,5	2686	666	68	3420	2049	
Total Species Identified										133

Appendix 4. Number of fish counted at Assomption, by transect depths and fish size groups, during the Aldabra Marine Programme surveys in February 2002.

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
HOLOCENTRIDAE										
<i>Myripristis berndti</i>		73	116	189		61	53	114	303	
<i>Sargocentron caudimaculatum</i>							1	1	1	
SERRANIDAE										
<i>Cephalopholis argus</i>			5	5		1	1	2	7	
<i>Cephalopholis miniata</i>	2	2	1	5		1	1	2	7	
<i>Gracilia albomarginata</i>							2	2	2	
<i>Plectropomus laevis</i>										X
<i>Pseudanthias evansi</i>	10			10	163			163	173	
<i>Pseudanthias squamipinnis</i>	495			495	263			263	758	
<i>Cephalopholis nigripinnis</i>	1	4	3	8			1	1	9	
HAEMULIDAE										
<i>Plectorhinchus orientalis</i>			2	2			1	1	3	
LUTJANIDAE										
<i>Aphareus furca</i>			3	3			2	2	5	
<i>Lutjanus bohar</i>		2	2	4					4	
<i>Lutjanus fulvus</i>			1	1					1	
<i>Lutjanus gibbus</i>										X
CAESIONIDAE										
<i>Caesio xanthonota</i>							63	63	63	
<i>Pterocaesio chrysozona</i>										X
<i>Pterocaesio tile</i>		205	6	211		450	570	1020	1231	
MULLIDAE										
<i>Parupeneus barbarensis</i>		2		2	2			2	4	

Appendix 4 Assomption (continued)

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Parupeneus bifasciatus</i>		1	1	2					2	
<i>Parupeneus cyclostomus</i>	1			1					1	
<i>Parupeneus macronema</i>		1		1					1	
<i>Mulloidichthys vanicolensis</i>	1	149		150					150	
<i>Parupeneus rubescens</i>										
PEMPHERIDAE										
<i>Pempheris vanicolensis</i>	1			1					1	
CHAETODONTIDAE										
<i>Chaetodon auriga</i>		3		3					3	
<i>Chaetodon falcula</i>										X
<i>Chaetodon guttatissimus</i>	1	1		2		2		2	4	
<i>Chaetodon kleinii</i>	1	2		3		2		2	5	
<i>Chaetodon lunula</i>		2		2					2	
<i>Chaetodon melannotus</i>						4		4	4	
<i>Chaetodon meyeri</i>										X
<i>Chaetodon xanthocephalus</i>		2		2					2	
<i>Forcipiger flavissimus</i>		1		1		1		1	2	
<i>Forcipiger longirostris</i>		1		1					1	
<i>Hemitaenichthys zoster</i>	4	3		7		4	1	5	12	
<i>Heniochus monoceros</i>										X
<i>Chaetodon interruptus</i>		2		2					2	
LETHRINIDAE										
<i>Gnathodentex aureolineatus</i>		212	80	292			52	52	344	
<i>Monotaxis grandoculis</i>			2	2		1	3	4	6	
MALACANTHIDAE										
<i>Malacanthus latovittatus</i>			1	1					1	
POMACANTHIDAE										
<i>Apolemichthys trimaculatus</i>			3	3					3	
<i>Centropyge multispinis</i>	20	5		25	17			17	42	
<i>Pomacanthus imperator</i>			1	1					1	
<i>Pygoplites diacanthus</i>			4	4					4	
<i>Centropyge bispinosa</i>	18			18					18	
<i>Centropyge debelius</i>					2			2	2	
POMACENTRIDAE										
<i>Chromis dimidiata</i>	261			261	180			180	441	
<i>Chromis nigrura</i>	19			19					19	
<i>Chromis ternatensis</i>	145			145					145	
<i>Chromis weberi</i>	2	2		4	1			1	5	
<i>Dascyllus carneus</i>					1			1	1	
<i>Lepidozygus tapeinosoma</i>	390			390	408			408	798	
<i>Plectroglyphidodon lacrymatus</i>	35			35					35	

Appendix 4 Assomption (continued)

Survey Transect Depths	10m				20m				10+20m	
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	Sighted off transect
FAMILY/Genus species										
<i>Chromis xutha</i>	3			3	179			179	182	
<i>Chromis opercularis</i>					10			10	10	
LABRIDAE										
<i>Anampses meleagrides</i>		7	1	8					8	
<i>Bodianus axillaris</i>		1		1					1	
<i>Bodianus diana</i>		2		2		3	1	4	6	
<i>Cirrhilabrus exquiritus</i>	33			33					33	
<i>Gomphosus caeruleus</i>		3		3					3	
<i>Halichoeres cosmetus</i>	6	1		7	9	2		11	18	
<i>Halichoeres hortulanus</i>	1	7	2	10			2	2	12	
<i>Hologymnosus doliatus</i>			1	1					1	
<i>Labroides bicolor</i>	18	1		19	2	1		3	22	
<i>Labroides dimidiatus</i>	23			23	23			23	46	
<i>Labrobsis xanthonata</i>					1			1	1	
<i>Pseudocheilinus evanidus</i>	5	1		6	6			6	12	
<i>Pseudocheilinus hexataenia</i>	27			27	4			4	31	
<i>Pseudocheilinus octotaenia</i>	13	11		24		1		1	25	
<i>Pseudodax molucanus</i>			5	5					5	
<i>Thalassoma amblycephalum</i>	30	1		31					31	
<i>Thalassoma herbraicum</i>	1	2	1	4					4	
<i>Thalassoma lunare</i>										X
<i>Bodianus anthioides</i>		3		3	2			2	5	
<i>Stethojulis albobittata</i>		1		1					1	
CIRRHITIDAE										
<i>Cirrhitichthys oxycephalus</i>					1			1	1	
<i>Paracirrhites forsteri</i>					1			1	1	
SCARIDAE										
<i>Scarus sordidus</i>		12	15	27			1	1	28	
<i>Scarus rubroviolatus</i>			1	1					1	
<i>Scarus stronglylocephalus</i>			4	4					4	
BLENNIIDAE										
<i>Plagiotremus rhinorhynchus</i>	6			6	3			3	9	
<i>Plagiotremus tapeinosoma</i>	1			1					1	
ACANTHURIDAE										
<i>Acanthurus leucocheilus</i>							2	2	2	
<i>Acanthurus leucosternon</i>	3	1		4		1		1	5	
<i>Acanthurus thompsoni</i>		5		5		10		10	15	
<i>Acanthurus xanthopterus</i>										X
<i>Ctenochaetus striatus</i>		6		6		2		2	8	
<i>Ctenochaetus strigosus</i>	34	12		46	3	6		9	55	
<i>Zebrasoma scopas</i>	5	10		15		3		3	18	
<i>Acanthusus nigricauda</i>			1	1					1	

Appendix 4 Assumption (continued)

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Naso vlamingii</i>							2	2	2	
ZANCLIDAE										
<i>Zanclus cornutus</i>		7	3	10		2		2	12	
BALISTIDAE										
<i>Melichthys indicus</i>			5	5					5	
<i>Odonus niger</i>							1	1	1	
<i>Sufflamen bursa</i>										X
TETRAODONTIDAE										
<i>Canthigaster valentini</i>	1			1					1	
<i>Canthigaster pardalis</i>		1		1					1	
SCOMBRIDAE										
<i>Gymnosarda unicolor</i>							1	1	1	
SIGANIDAE										
<i>Siganus corallinus</i>							1	1	1	
PRIACANTHIDAE										
<i>Priacanthus hamrur</i>							11	11	11	
MICRODESMIDAE										
<i>Nemateleotris magnifica</i>	33			33	34			34	67	
Total Fish Counted	1650	770	270	2690	1315	558	773	2646	5336	
Number of Species	36	42	27	75	23	20	22	55	91	9
Fish/100m²	825	385	135	1345	1315	558	773	2646	1778,7	
Total Species Identified										100

Appendix 5. Number of fish counted at St. Pierre, by transect depths and fish size groups, during the Aldabra Marine Programme surveys in February 2002.

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
MURAENIDAE										
<i>Gymnothorax breedeni</i>							2	2	2	

Appendix 5 St. Pierre (continued)

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Gymnothorax flavimarginatus</i>							1	1	1	
HOLOCENTRIDAE										
<i>Myripristis berndti</i>		10	1	11					11	
<i>Myripristis murdjan</i>										
<i>Myripristis vittata</i>		9		9		159		159	168	
<i>Sargocentron caudimaculatum</i>		1	3	4		3	1	4	8	
<i>Sargocentron spiniferum</i>			2	2			2	2	4	
SERRANIDAE										
<i>Cephalopholis leoparda</i>						2		2	2	
<i>Cephalopholis miniata</i>		5	12	17		11	6	17	34	
<i>Epinephelus spilotoceps</i>			1	1					1	
<i>Gracilia albomarginata</i>							3	3	3	
<i>Plectropomus laevis</i>							1	1	1	
<i>Variola louti</i>							3	3	3	
<i>Pseudanthias evansi</i>					103			103	103	
<i>Pseudanthias squamipinnis</i>	410			410	1700			1700	2110	
<i>Cephalopholis nigripinnis</i>	1	16	2	19		1	3	4	23	
APOGONIDAE										
<i>Apogon nigrofaciatus</i>					1			1	1	
LUTJANIDAE										
<i>Aphareus furca</i>			7	7		1	3	4	11	
<i>Lutjanus bohar</i>		1	4	5		2	1	3	8	
<i>Lutjanus gibbus</i>						1		1	1	
<i>Lutjanus kasmira</i>		4	5	9		5	1	6	15	
CAESIONIDAE										
<i>Caesio teres</i>							22	22	22	
<i>Caesio xanthonota</i>							1	1	1	
MULLIDAE										
<i>Parupeneus barbarensis</i>	1	2	1	4					4	
<i>Parupeneus bifasciatus</i>		1	1	2		1	1	2	4	
<i>Parupeneus cyclostomus</i>	22		1	23	1	1		2	25	
<i>Parupeneus macronema</i>	1	7	1	9					9	
CHAETODONTIDAE										
<i>Chaetodon auriga</i>		5		5					5	
<i>Chaetodon guttatiissimus</i>	7	4		11	1	2		3	14	
<i>Chaetodon kleinii</i>					1			1	1	
<i>Chaetodon lunula</i>						2		2	2	
<i>Chaetodon meyeri</i>		2		2					2	
<i>Chaetodon trifasciatus</i>		4		4		2		2	6	
<i>Chaetodon zanzibariensis</i>		1		1					1	

Appendix 5 St. Pierre (continued)

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Forcipiger flavissimus</i>	3	4		7		2		2	9	
<i>Heniochus monoceros</i>		2		2		2		2	4	
LETHRINIDAE										
<i>Gnathodentex aureolineatus</i>						17		17	17	
<i>Monotaxis grandoculis</i>		1	2	3			3	3	6	
MALACANTHIDAE										
<i>Malacanthus latovittatus</i>										X
PINGUIPEDIDAE										
<i>Parapercis punctulata</i>	6			6					6	
POMACANTHIDAE										
<i>Apolemichthys trimaculatus</i>		1		1		1		1	2	
<i>Centropyge acanthops</i>					16			16	16	
<i>Centropyge multispinis</i>	80			80	18			18	98	
<i>Pomacanthus imperator</i>			1	1			1	1	2	
POMACENTRIDAE										
<i>Chromis dimidiata</i>	885			885	550			550	1435	
<i>Chromis nigrura</i>	596			596	50			50	646	
<i>Dascyllus trimaculatus</i>	8			8					8	
<i>Lepidozygus tapeinotoma</i>	8625			8625	3150			3150	11775	
<i>Plectroglyphidodon dickii</i>	13			13					13	
<i>Plectroglyphidodon johnstonianus</i>	4			4	9			9	13	
<i>Plectroglyphidodon lacrymatus</i>	11			11					11	
<i>Chromis xutha</i>					1			1	1	
LABRIDAE										
<i>Anampses meleagrides</i>		3		3		2		2	5	
<i>Bodianus diana</i>	2	2		4		1	1	2	6	
<i>Cirrhitilabrus eximius</i>	67			67					67	
<i>Coris frerei</i>	3			3					3	
<i>Epibulus insidiator</i>			1	1					1	
<i>Gomphosus caeruleus</i>	1	8		9		6		6	15	
<i>Halichoeres cosmetus</i>	18	8		26					26	
<i>Halichoeres hortulanus</i>		6	1	7		1		1	8	
<i>Hemigymnus fasciatus</i>		1	2	3		2	1	3	6	
<i>Labroides bicolor</i>	7			7	1			1	8	
<i>Labroides dimidiatus</i>	34			34	35			35	69	
<i>Macropharingodon bipartitus</i>	6	1		7					7	
<i>Pseudocheilinus evanidus</i>					9			9	9	
<i>Pseudocheilinus hexataenia</i>	95			95	47			47	142	
<i>Pseudocheilinus octotaenia</i>	1	2		3	1	2		3	6	
<i>Pseudodax moluccanus</i>	1	3	7	11			1	1	12	
<i>Thalassoma amblycephalum</i>	28	2	1	31		1		1	32	