

Appendix 1 Aldabra (continued)

FAMILY/Genus species	2003	2003	2002	2002	2001	2001	1999	1999
	SITES 1-7	SITES 1-7	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	Number in transects	Sighted off transect
DIODONTIDAE								
<i>Diodon liturosus</i>	1							
TORPEDINIDAE								
<i>Torpedo sinuspersici</i>	2							
Total Fish Counted	39154		71999		34901		61939	
Total Area Surveyed	2100m²		2400m²		2325m²		2100m²	
Fish/100m²	1864		3000		1501		2949	
Number of Species	183	20	179	41	191	14	165	46
Total Number Species Identified	203		221		205		211	

Appendix 2. Number of fish counted, by transect depths and fish size groups, during the AMP surveys in May 2003.

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1400m²				700 m²				2100 m²
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total
FAMILY/Genus species									
MURAENIDAE									
<i>Gymnothorax flavimarginatus</i>			3	3					3
SYNODONTIDAE									
<i>Synodus jaculum</i>					10	1		11	11
<i>Synodus variegatus</i>					1			1	1
HOLOCENTRIDAE									
<i>Myripristis adusta</i>							1	1	1
<i>Myripristis berndti</i>		4	17	21		26	111	137	158
<i>Sargocentron caudimaculatum</i>		11	23	34		10	25	35	69
<i>Sargocentron diadema</i>						8		8	8
<i>Sargocentron spiniferum</i>							2	2	2
SERRANIDAE									
<i>Cephalopholis argus</i>			1	1					1
<i>Cephalopholis leoparda</i>		1	1	2		2		2	4
<i>Cephalopholis miniata</i>	1	4	29	34		2	20	22	56
<i>Cephalopholis spiloparaea</i>							1	1	1

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1400m ²				700 m ²				2100 m ²
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total
FAMILY/Genus species									
<i>Cephalopholis nigripinnis</i>		2	3	5		1		1	6
<i>Epinephelus fasciatus</i>	4	7		11	4	1		5	16
<i>Epinephelus fuscoguttatus</i>			1	1			1	1	2
<i>Epinephelus spilotoceps</i>		1	4	5					5
<i>Epinephelus tukula</i>			1	1			1	1	2
<i>Gracilia albomarginata</i>			8	8			2	2	10
<i>Plectropomus laevis</i>							2	2	2
<i>Plectropomus punctatus</i>			1	1					1
<i>Variola louti</i>			3	3			2	2	5
<i>Nemanthias carberryi</i>	2897			2897	455			455	3352
<i>Pseudanthias cooperi</i>					13			13	13
<i>Pseudanthias evansi</i>					119	9		128	128
<i>Pseudanthias squamipinnis</i>	659			659	739			739	1398
<i>Cephalopholis nigripinnis</i>	2	47	18	67		7	4	11	78
<i>Epinephelus macrospilos</i>			1	1					1
APOGONIDAE									
<i>Apogon angustatus</i>	1	3		4	1			1	5
<i>Apogon apogonoides</i>	31	3		34	2203	4		2207	2241
<i>Cheilodipterus artus</i>					2			2	2
HAEMULIDAE									
<i>Plectorhinchus obscurus</i>			2	2					2
<i>Plectorhinchus orientalis</i>			1	1					1
LUTJANIDAE									
<i>Aphareus furca</i>		2	10	12			2	2	14
<i>Lutjanus bohar</i>	1	1	3	5		7	8	15	20
<i>Lutjanus kasmira</i>						2		2	2
<i>Lutjanus monostigma</i>			3	3					3
<i>Lutjanus erenberghi</i>							5000	5000	5000
CAESIONIDAE									
<i>Caesio teres</i>			100	100			1200	1200	1300
<i>Caesio xanthonota</i>			30	30			660	660	690
<i>Pterocaesio marri</i>		10	40	50					50
<i>Pterocaesio sp.</i>							50	50	50
<i>Pterocaesio tile</i>			200	200		135	175	310	510
MULLIDAE									
<i>Parupeneus barbarensis</i>		1	1	2			1	1	3
<i>Parupeneus bifasciatus</i>	1	10	2	13		2	7	9	22

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1400m ²				700 m ²				2100 m ²
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total
FAMILY/Genus species									
<i>Parupeneus cyclostomus</i>	2	3	7	12			1	1	13
<i>Parupeneus macronema</i>	39	26	3	68	27	6		33	101
<i>Parupeneus pleurostigma</i>						1		1	1
CHAETODONTIDAE									
<i>Chaetodon auriga</i>		25	6	31		17	2	19	50
<i>Chaetodon bennetti</i>		2		2	2	5		7	9
<i>Chaetodon falcula</i>			2	2	2	5	5	12	14
<i>Chaetodon guttatissimus</i>	17	11		28	12	15		27	55
<i>Chaetodon kleinii</i>	5	4		9	11	10		21	30
<i>Chaetodon lineolatus</i>						2		2	2
<i>Chaetodon lunula</i>		1		1		2	1	3	4
<i>Chaetodon melannotus</i>		8	2	10					10
<i>Chaetodon meyeri</i>		3		3		3	1	4	7
<i>Chaetodon trifasciatus</i>		13		13		1		1	14
<i>Chaetodon xanthocephalus</i>		2		2					2
<i>Chaetodon zanzibariensis</i>					1	11		12	12
<i>Forcipiger flavissimus</i>		9		9		10		10	19
<i>Hemitaurichthys zoster</i>		122		122	9	3		12	134
<i>Heniochus acuminatus</i>						3		3	3
<i>Heniochus monoceros</i>						2	2	4	4
<i>Chaetodon mertensii</i>		2		2		4		4	6
<i>Chaetodon vagabundus</i>		1		1					1
LETHRINIDAE									
<i>Lethrinus nebulosus</i>							2	2	2
<i>Monotaxis grandoculis</i>	2	14	1	17	4	10	3	17	34
<i>Lethrinus obsoletus</i>			1	1			1	1	2
EPHIPPIDAE									
<i>Platax orbicularis</i>			4	4					4
PINGUIPEDIDAE									
<i>Parapercis signata</i>	5	3		8	3	1		4	12
POMACANTHIDAE									
<i>Apolemichthys trimaculatus</i>	1	2		3		1		1	4
<i>Centropyge acanthops</i>	11			11	33			33	44
<i>Centropyge multispinis</i>	240	5		245	47			47	292
<i>Pomacanthus imperator</i>			5	5					5
<i>Pygoplites diacanthus</i>			1	1					1
<i>Centropyge bispinosa</i>	6			6					6

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1400m ²				700 m ²				2100 m ²
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total
FAMILY/Genus species									
POMACENTRIDAE									
<i>Amphiprion fuscocaudatus</i>					1			1	1
<i>Amphiprion clarkii</i>					1			1	1
<i>Chromis dimidiata</i>	1481			1481	1069			1069	2550
<i>Chromis lepidolepis</i>	1571			1571	29			29	1600
<i>Chromis nigrura</i>	510			510	3			3	513
<i>Chromis ternatensis</i>	118	5		123	21	1		22	145
<i>Chromis weberi</i>	41	86		127	31	8		39	166
<i>Dascyllus carneus</i>	37			37	105			105	142
<i>Dascyllus trimaculatus</i>	1	1		2	63			63	65
<i>Lepidozygus tapeinosoma</i>	9390			9390	3290			3290	12680
<i>Plectroglyphidodon dickii</i>	16			16	3			3	19
<i>Plectroglyphidodon johnstonianus</i>	17			17					17
<i>Plectroglyphidodon lacrymatus</i>	78	10		88	2	1		3	91
<i>Pomacentrus caeruleus</i>	201	1		202	25			25	227
<i>Pomacentrus sulfureus</i>	4			4	1			1	5
<i>Chromis xutha</i>					37			37	37
<i>Chromis opercularis</i>	10			10	2			2	12
LABRIDAE									
<i>Anampses lineatus</i>		1		1					1
<i>Anampses meleagrides</i>		13	1	14		5	1	6	20
<i>Bodianus axillaris</i>	4	11	2	17	1	2		3	20
<i>Bodianus bilunulatus</i>			3	3		2		2	5
<i>Bodianus diana</i>		12	3	15	3	16	1	20	35
<i>Cirrhitilabrus eximius</i>	929	11		940	228	2		230	1170
<i>Coris aygula</i>			1	1					1
<i>Coris formosa</i>	3	1	1	5		3	1	4	9
<i>Epibulus insidiator</i>							2	2	2
<i>Gomphosus caeruleus</i>	9	16		25	1	9		10	35
<i>Halichoeres cosmetus</i>	40	37		77	29	9		38	115
<i>Halichoeres hortulanus</i>	17	17	5	39	1	10	1	12	51
<i>Hemigymnus fasciatus</i>	1		3	4		1	1	2	6
<i>Labroides bicolor</i>	54	3		57	40	2		42	99
<i>Labroides dimidiatus</i>	334			334	81			81	415
<i>Labropsis xanthonata</i>	4	4		8	6			6	14
<i>Macropharodon bipartitus</i>	12	1		13	6			6	19
<i>Pseudocheilinus evanidus</i>	58	1		59	157			157	216
<i>Pseudocheilinus hexataenia</i>	321			321	48			48	369
<i>Pseudocheilinus octotaenia</i>	15	16		31	2	5		7	38
<i>Pseudodax molucanus</i>		2	5	7	2	4	2	8	15

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1400m ²				700 m ²				2100 m ²
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total
FAMILY/Genus species									
<i>Thalassoma amblycephalum</i>	249	5		254	9	1		10	264
<i>Thalassoma hardwicke</i>	5			5					5
<i>Thalassoma herbraicum</i>	7	62	3	72		13		13	85
<i>Thalassoma janseni</i> (?)	8			8					8
<i>Thalassoma lunare</i>	1	2	1	4	1	47		48	52
<i>Cheilinus fasciatus</i>		2	2	4					4
<i>Cheilinus chlorourus</i>	3			3					3
<i>Bodianus anthioides</i>						1		1	1
<i>Coris caudimacula</i>	7	8		15	13	4		17	32
<i>Novaculichthys taeniourus</i>		1		1					1
<i>Stethojulis albobittata</i>	10	7		17	4			4	21
CIRRHITIDAE									
<i>Cirrhitichthys oxycephalus</i>	15			15	12			12	27
<i>Paracirrhites arcatus</i>	23	8		31	7	3		10	41
<i>Paracirrhites forsteri</i>	8	4		12	9	1		10	22
SCARIDAE									
<i>Scarus sordidus</i>	28	138	43	209	1	21	8	30	239
<i>Scarus rubroviolatus</i>			2	2		1		1	3
<i>Scarus stronglylocephalus</i>			1	1			1	1	2
<i>Scarus tricolor</i>	5	8	4	17		1	2	3	20
<i>Cetoscarus bicolor</i>			1	1					1
CARANGIDAE									
<i>Caranx ignobilis</i>			1	1					1
<i>Caranx melampygus</i>			10	10			5	5	15
<i>Scomberoides lysan</i>			11	11					11
SPHYRAENIDAE									
<i>Sphyræna barracuda</i>			1	1					1
BLENNIIDAE									
<i>Aspidontus taeniatus</i>	2			2					2
<i>Ecsenius midas</i>		1	1	2					2
<i>Plagiotremus rhinorhynchus</i>	7	2		9	3			3	12
<i>Plagiotremus tapeinosoma</i>	1			1	2			2	3
<i>Ecsenius minutus</i>	8			8					8
GOBIIDAE									
<i>Eviota sebreei</i>					11			11	11
<i>Gnatholepis anjerensis</i>	25			25	46			46	71

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1400m ²				700 m ²				2100 m ²
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total
FAMILY/Genus species									
<i>Gunnellichthys curiosus</i>		2		2	1			1	3
<i>Valenciennea helsdingeni</i>					1			1	1
<i>Valenciennea strigata</i>	1	7		8	2			2	10
ACANTHURIDAE									
<i>Acanthurus leucocheilus</i>			2	2					2
<i>Acanthurus leucosternon</i>	1	28	3	32		2		2	34
<i>Acanthurus thompsoni</i>		33		33	6	163		169	202
<i>Acanthurus tristis</i>							2	2	2
<i>Ctenochaetus binotatus</i>		8		8		3		3	11
<i>Ctenochaetus striatus</i>	11	36		47	4	13		17	64
<i>Ctenochaetus truncatus</i>	34	224	1	259	15	28	2	45	304
<i>Naso brevirostris</i>		3	62	65		4	22	26	91
<i>Naso hexacanthus</i>			1	1			4	4	5
<i>Naso lituratus</i>		1	7	8			2	2	10
<i>Naso unicornis</i>			1	1					1
<i>Zebrasoma scopas</i>	6	23		29	5	3	1	9	38
<i>Acanthurus nigricauda</i>			4	4			2	2	6
<i>Acanthurus tennentii</i>		3	1	4					4
<i>Naso vlamingii</i>							1	1	1
<i>Zebrasoma desjardini</i>		2	1	3					3
<i>Paracanthurus hepatus</i>	5			5					5
ZANCLIDAE									
<i>Zanclus cornutus</i>		8	6	14		4	2	6	20
BALISTIDAE									
<i>Balistapus undulatus</i>	1	5	2	8		1		1	9
<i>Balistoides conspicillum</i>							1	1	1
<i>Balistoides viridescens</i>			1	1					1
<i>Melichthys indicus</i>			25	25		1	3	4	29
<i>Odonus niger</i>		7	84	91					91
<i>Sufflamen bursa</i>		6		6		2	1	3	9
<i>Sufflamen chrysopterus</i>		3		3		3		3	6
TETRAODONTIDAE									
<i>Arothron nigropunctatus</i>			2	2		2	1	3	5
<i>Canthigaster valentini</i>	6								6
<i>Canthigaster amboinensis</i>	2			2					2

Appendix 2 Aldabra (continued)

Survey Transect Depths	10 m (Site 7 = 5m)				20 m (Site 7 = 15m)				10m + 20m
Total Area Surveyed	1400m ²				700 m ²				2100 m ²
Fish Size Group (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total
FAMILY/Genus species									
SIGANIDAE									
<i>Siganus argenteus</i>			5	5					5
MICRODESMIDAE									
<i>Nemateleotris magnifica</i>	72	1		73	29			29	102
<i>Ptereleotris evides.</i>	24			24					24
MONACANTHIDAE									
<i>Amanes scopas</i>	2			2					2
<i>Pervagor janthinosoma</i>	1			1					1
<i>Paraluteres prionurus</i>	1			1					1
DIODONTIDAE									
<i>Diodon liturosus</i>			1	1					1
TORPEDINIDAE									
<i>Torpedo sinuspersici</i>		1		1		1		1	2
Total Fish Counted	19780	1261	852	21887	9167	732	7362	17261	39154
Number of Species	79	86	76	153	71	75	54	137	183
Fish/100m²	1413	90	61	1563	1310	105	1052	2466	1864

Appendix 3. Number of fish counted at Astove, by transect depths and fish size groups, during the AMP survey in May 2003.

Survey Transect Depths	10m				20m				10+20m	Sighted
Total Area Surveyed	200m ²				100m ²				300m ²	off
Fish Size Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	transect
FAMILY/Genus species										
HOLOCENTRIDAE										
<i>Myripristis berndti</i>		126	113	239		17	9	26	265	
<i>Myripristis murdjan</i>			3	3					3	
<i>Myripristis vittata</i>		2		2		24	10	34	36	
<i>Neoniphon sammara</i>		9	2	11					11	
<i>Sargocentron caudimaculatum</i>		2		2					2	
<i>Sargocentron spiniferum</i>										X
<i>Neoniphon opercularis</i>			1	1					1	
SERRANIDAE										
<i>Cephalopholis argus</i>			4	4					4	
<i>Cephalopholis leoparda</i>		1	1	2					2	
<i>Cephalopholis miniata</i>		2	9	11		1	3	4	15	
<i>Epinephelus spilotoceps</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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Epinephelus tukula</i>										X
<i>Gracilia albomarginata</i>							1	1	1	
<i>Plectropomus laevis</i>										X
<i>Nemanthias carberryi</i>	350			350	260			260	610	
<i>Pseudanthias evansi</i>	1			1	38			38	39	
<i>Pseudanthias squamipinnis</i>	197			197	150			150	347	
<i>Cephalopholis nigripinnis</i>			1	1					1	
<i>Epinephelus lanceolatus</i>										X
APOGONIDAE										
<i>Cheilodipterus artus (lachneri)</i>	1			1					1	
HAEMULIDAE										
<i>Plectorhinchus obscurus</i>			1	1					1	
<i>Plectorhinchus orientalis</i>			7	7					7	
LUTJANIDAE										
<i>Aphareus furca</i>			4	4			1	1	5	
<i>Aprion virescens</i>							1	1	1	
<i>Lutjanus bohar</i>		2	1	3		3		3	6	
<i>Lutjanus fulvus</i>										X
<i>Lutjanus gibbus</i>										X
<i>Lutjanus monostigma</i>			1	1					1	
<i>Malcolor niger</i>										X
CAESIONIDAE										
<i>Caesio teres</i>										X
<i>Caesio xanthonota</i>										X
<i>Pterocaesio marri ?</i>										X
<i>Paracaesio sordidus</i>							10	10	10	
<i>Pterocaesio tile</i>		500	450	950		240	350	590	1540	
MULLIDAE										
<i>Parupeneus bifasciatus</i>										X
<i>Parupeneus cyclostomus</i>										X
<i>Parupeneus macronema</i>					1	2	2	5	5	
<i>Mulloidichthys vanicolensis</i>										X
PEMPHERIDAE										
<i>Pempheris vanicolensis</i>		18		18		1		1	19	
CHAETODONTIDAE										
<i>Chaetodon auriga</i>		1		1					1	
<i>Chaetodon bennetti</i>										X
<i>Chaetodon falcula</i>		1		1					1	
<i>Chaetodon guttatissimus</i>	15	1		16	1	4		5	21	
<i>Chaetodon kleinii</i>						1		1	1	
<i>Chaetodon lunula</i>			2	2					2	
<i>Chaetodon meyeri</i>	1	8	1	10	1			1	11	

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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Chaetodon trifasciatus</i>		2		2	2	3		5	7	
<i>Chaetodon xanthocephalus</i>										X
<i>Forcipiger flavissimus</i>	1	4		5	2	3		5	10	
<i>Hemitaurichthys zoster</i>										X
<i>Heniochus monoceros</i>			2	2					2	
<i>Heniochus singularius</i>										X
LETHRINIDAE										
<i>Monotaxis grandoculis</i>										X
POMACANTHIDAE										
<i>Apolemichthys trimaculatus</i>										X
<i>Centropyge acanthops</i>					1			1	1	
<i>Centropyge multispinis</i>	8	1		9	1			1	10	
<i>Pomacanthus imperator</i>							1	1	1	
<i>Pygoplites diacanthus</i>		1	1	2			1	1	3	
<i>Centropyge debelius</i>					1			1	1	
POMACENTRIDAE										
<i>Amphiprion akallopisos</i>						1		1	1	
<i>Amphiprion chrysogaster</i>										
<i>Amphiprion clarkii</i>										
<i>Chromis dimidiata</i>	515			515	132			132	647	
<i>Chromis lepidolepis</i>										X
<i>Chromis nigrura</i>	95			95					95	
<i>Chromis ternatensis</i>	2	2		4	1			1	5	
<i>Chromis weberi</i>		1		1					1	
<i>Chromis xanthura</i>										
<i>Dascyllus aruanus</i>										
<i>Dascyllus carneus</i>										
<i>Dascyllus trimaculatus</i>					3	2		5	5	
<i>Lepidozygus tapeinosoma</i>	1400			1400	320			320	1720	
<i>Plectroglyphidodon dickii</i>	1			1					1	
<i>Plectroglyphidodon johnstonianus</i>	1			1					1	
<i>Plectroglyphidodon lacrymatus</i>										X
<i>Chromis viridis</i>										X
<i>Abudefduf sexfasciatus</i>										X
<i>Abudefduf vaigiensis</i>										X
LABRIDAE										
<i>Anampses meleagrides</i>		3		3		1	1	2	5	
<i>Bodianus axillaris</i>					1			1	1	
<i>Bodianus diana</i>		3	1	4		3	1	4	8	
<i>Cheilinus undulatus</i>										X
<i>Cirrhitilabrus exquisitus</i>	12			12	5			5	17	
<i>Coris aygula</i>			9	9					9	

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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Epibulus insidiator</i>										X
<i>Gomphosus caeruleus</i>		3		3			1	1	4	
<i>Halichoeres cosmetus</i>					1	1		2	2	
<i>Halichoeres hortulanus</i>	1	1		2					2	
<i>Hemigymnus fasciatus</i>										X
<i>Labroides bicolor</i>	20	1		21	7			7	28	
<i>Labroides dimidiatus</i>	21			21	27			27	48	
<i>Labrobsis xanthonata</i>	2			2					2	
<i>Pseudocheilinus evanidus</i>	5			5	9			9	14	
<i>Pseudocheilinus hexataenia</i>	73			73	6			6	79	
<i>Pseudocheilinus octotaenia</i>	14	2		16					16	
<i>Thalassoma janseni</i> (?)										X
<i>Thalassoma lunare</i>		2		2					2	
<i>Cheilinus fasciatus</i>										X
<i>Bodianus anthioides</i>		1		1					1	
CIRRHITIDAE										
<i>Cirrhitichthys oxycephalus</i>					2			2	2	
<i>Paracirrhites arcatus</i>	8			8	2			2	10	
<i>Paracirrhites forsteri</i>	2			2	5			5	7	
SCARIDAE										
<i>Scarus sordidus</i>			1	1					1	
<i>Scarus rubroviolatus</i>										X
<i>Scarus stronglylocephalus</i>										X
CARANGIDAE										
<i>Caranx melampygus</i>			2	2			16	16	18	
BLENNIIDAE										
<i>Plagiotremus rhinorhynchus</i>	1			1					1	
GOBIIDAE										
<i>Gnatholepis sp.</i>					1			1	1	
ACANTHURIDAE										
<i>Acanthurus leucocheilus</i>										X
<i>Acanthurus leucosternon</i>	1	1		2	3	1		4	6	
<i>Acanthurus thompsoni</i>	2	45		47		9		9	56	
<i>Acanthurus tristis</i>										X
<i>Ctenochaetus striatus</i>										X
<i>Ctenochaetus strigosus</i>	15	12	2	29		9	3	12	41	
<i>Naso brevirostris</i>			1	1			1	1	2	
<i>Naso hexacanthus</i>							2	2	2	
<i>Naso lituratus</i>										X
<i>Zebrasoma scopas</i>	5	7		12		2		2	14	
<i>Acanthusus nigricauda</i>			1	1					1	
<i>Zebrasoma desjardini</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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
ZANCLIDAE										
<i>Zanclus cornutus</i>		1	1	2			2	2	4	
BALISTIDAE			1	1					1	
<i>Balistapus undulatus</i>		3		3					3	
<i>Balistoides conspicillum</i>			2	2					2	
<i>Melichthys indicus</i>			3	3			2	2	5	
<i>Rhinecanthus aculeatus</i>										X
<i>Sufflamen bursa</i>										X
TETRAODONTIDAE										
<i>Arothron meleagris</i>										X
<i>Arothron nigropunctatus</i>							1	1	1	
<i>Canthigaster tyleri</i>	1			1					1	X
SCOMBRIDAE										
<i>Gymnosarda unicolor</i>							1	1	1	
MICRODESMIDAE										
<i>Nemateleotris magnifica</i>					1			1	1	
Total Fish Counted	2771	769	630	4170	984	328	420	1732	5902	
Number of Species	30	33	30	70	28	20	22	55	88	40
Fish/100m²	1386	385	315	2085	984	328	420	1732	1967	
Total Species Identified										128

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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
SYNODONTIDAE										
<i>Synodus variegatus</i>					1	1		2	2	
HOLOCENTRIDAE										
<i>Myripristis berndti</i>		62	36	98		27	18	45	143	
<i>Sargocentron caudimaculatum</i>			1	1		6	1	7	8	
SERRANIDAE										
<i>Cephalopholis argus</i>							1	1	1	
<i>Cephalopholis leoparda</i>										X
<i>Cephalopholis miniata</i>		2	1	3		1		1	4	
<i>Dermatolepis striolatus</i>										X
<i>Epinephelus fuscoguttatus</i>										X
<i>Epinephelus tukula</i>							1	1	1	
<i>Variola louti</i>										X

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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Nemanthias carberryi</i>	86			86	137			137	223	
<i>Pseudanthias evansi</i>	2			2	88			88	90	
<i>Pseudanthias squamipinnis</i>	345			345	203			203	548	
<i>Cephalopholis nigripinnis</i>		8		8		1		1	9	
HAEMULIDAE										
<i>Plectorhinchus orientalis</i>		1	1	2			1	1	3	
LUTJANIDAE										
<i>Lutjanus bohar</i>		2		2					2	
CAESIONIDAE										
<i>Pterocaesio tile</i>		500	2300	2800		950	150	1100	3900	
MULLIDAE										
<i>Parupeneus barbarensis</i>	3			3					3	
<i>Parupeneus bifasciatus</i>						1		1	1	
<i>Parupeneus macronema</i>	2	4		6					6	
PEMPHERIDAE										
<i>Pempheris vanicolensis</i>		1		1					1	
CHAETODONTIDAE										
<i>Chaetodon falcata</i>						1		1	1	
<i>Chaetodon guttatissimus</i>	4			4	4			4	8	
<i>Chaetodon kleinii</i>	2			2					2	
<i>Chaetodon meyeri</i>		3		3					3	
<i>Forcipiger flavissimus</i>		10		10					10	
<i>Hemitaenichthys zoster</i>		1		1	4	6		10	11	
<i>Heniochus monoceros</i>										X
LETHRINIDAE										
<i>Gnathodentex aureolineatus</i>		44		44		10		10	54	
<i>Monotaxis grandoculis</i>		3		3					3	
POMACANTHIDAE										
<i>Apolemichthys trimaculatus</i>						1		1	1	
<i>Centropyge acanthops</i>										X
<i>Centropyge multispinis</i>	23	3		26	5			5	31	
<i>Pomacanthus imperator</i>			1	1					1	
<i>Pygoplites diacanthus</i>		2	1	3					3	
<i>Centropyge bispinosa</i>	15			15	1			1	16	
POMACENTRIDAE										
<i>Chromis dimidiata</i>	533			533	240			240	773	
<i>Chromis lepidolepis</i>	1			1	2			2	3	
<i>Chromis nigrura</i>	10			10	20			20	30	
<i>Chromis ternatensis</i>	39			39					39	
<i>Chromis weberi</i>	1	6		7	2	1		3	10	
<i>Dascyllus trimaculatus</i>					3			3	3	
<i>Lepidozygus tapeinosoma</i>	720			720					720	

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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Plectroglyphidodon lacrymatus</i>	63			63					63	
<i>Pomacentrus caeruleus</i>	9			9					9	
<i>Pomacentrus sulfureus</i>	4			4					4	
<i>Chromis xutha</i>					36			36	36	
LABRIDAE										
<i>Anampses scopas</i>		1		1					1	
<i>Anampses meleagrides</i>		6		6					6	
<i>Bodianus diana</i>		2		2	3	1		4	6	
<i>Cirrhilabrus exquisitus</i>	19			19					19	
<i>Coris cuvieri</i>	1			1					1	
<i>Coris aygula</i>			1	1					1	
<i>Epibulus insidiator</i>						1		1	1	
<i>Gomphosus caeruleus</i>	1	2		3		1		1	4	
<i>Halichoeres cosmetus</i>	11	3		14	2			2	16	
<i>Halichoeres hortulanus</i>		5	2	7		4		4	11	
<i>Hologymnosus doliatus</i>		1		1					1	
<i>Labroides bicolor</i>	25	2		27	15	1		16	43	
<i>Labroides dimidiatus</i>	23			23	85			85	108	
<i>Macropharngodon bipartitus</i>		1		1					1	
<i>Pseudocheilinus evanidus</i>	2			2	14			14	16	
<i>Pseudocheilinus hexataenia</i>	41	1		42	15			15	57	
<i>Pseudocheilinus octotaenia</i>	1	7		8	1			1	9	
<i>Pseudodax molucanus</i>		1	2	3					3	
<i>Oxycheilinus diagrammus</i>		1		1					1	
<i>Bodianus anthioides</i>										X
<i>Stethojulis albobittata</i>	3			3					3	
CIRRHITIDAE										
<i>Paracirrhites arcatus</i>										X
<i>Paracirrhites forsteri</i>	1	1		2	4			4	6	
SCARIDAE										
<i>Scarus sordidus</i>		3	5	8					8	
<i>Scarus rubroviolatus</i>			2	2					2	
<i>Scarus stronglylocephalus</i>			1	1					1	
<i>Scarus tricolor</i>			1	1					1	
CARANGIDAE										
<i>Caranx melampygus</i>			9	9					9	
BLENNIIDAE										
<i>Plagiotremus rhinorhynchus</i>	2			2					2	
<i>Plagiotremus tapeinosoma</i>	1			1					1	
<i>Ecsenius minutus</i>					1			1	1	
GOBIIDAE										
<i>Gnatholepis sp.</i>					5			5	5	

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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
ACANTHURIDAE										
<i>Acanthurus leucocheilus</i>					1			1	1	
<i>Acanthurus leucosternon</i>	4	6		10					10	
<i>Acanthurus thompsoni</i>		6		6	10	33		43	49	
<i>Ctenochaetus striatus</i>	1			1					1	
<i>Ctenochaetus strigosus</i>	16	19	2	37	5	3		8	45	
<i>Zebrasoma scopas</i>	11	7		18	1	3		4	22	
<i>Acanthus nigricauda</i>		1	1	2					2	
<i>Zebrasoma desjardini</i>			1	1					1	
ZANCLIDAE										
<i>Zanclus cornutus</i>		6		6					6	
BALISTIDAE										
<i>Balistapus undulatus</i>		1		1			1	1	2	
<i>Balistoides conspicillum</i>			1	1					1	
<i>Balistoides viridescens</i>										X
<i>Melichthys indicus</i>			4	4					4	
<i>Sufflamen bursa</i>		1		1		1		1	2	
TETRAODONTIDAE										
<i>Arothron meleagris</i>			1	1			1	1	2	
SIGANIDAE										
<i>Siganus stellatus</i>										X
PRIACANTHIDAE										
<i>Priacanthus hamrur</i>							3	3	3	
MICRODESMIDAE										
<i>Nemateleotris magnifica</i>	5			5	11			11	16	
ECHENEIDAE										
<i>Ecsenius minutus</i>					1			1	1	
Total Fish Counted	2030	736	2374	5140	920	1054	177	2151	7291	
Number of Species	36	39	21	74	30	21	9	49	88	10
Fish/100m²	1015	368	1187	2570	920	1054	177	2151	2430	
Total Species Identified										98

Appendix 5. Number of fish counted at St. Pierre, by transect depths and fish size groups, during the Aldabra Marine Programme surveys in May 2003.

Survey Transect Depths	10m				20m				10+20m	Sighted off transect
Total Area Surveyed	200m ²				100m ²				300m ²	
Fish Size Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
MURAENIDAE										
<i>Gymnothorax breedeni</i>										X
CHANIDAE										
<i>Chanos chanos</i>										X
HOLOCENTRIDAE										
<i>Myripristis berndti</i>		4	14	18		59	5	64	82	
<i>Myripristis murdjan</i>		3	1	4			5	5	9	
<i>Myripristis vittata</i>		3		3	10	270		280	283	
<i>Sargocentron caudimaculatum</i>		4	1	5		4	1	5	10	
<i>Sargocentron spiniferum</i>			3	3			15	15	18	
SERRANIDAE										
<i>Cephalopholis argus</i>										X
<i>Cephalopholis leoparda</i>			1	1		6		6	7	
<i>Cephalopholis miniata</i>	1	3	30	34	1	5	11	17	51	
<i>Dermatolepis striolatus</i>										X
<i>Epinephelus fasciatus</i>						1	3	4	4	
<i>Gracilia albomarginata</i>			3	3			9	9	12	
<i>Plectropomus laevis</i>										X
<i>Variola louti</i>			2	2					2	
<i>Nemanthias carberryi</i>	4055			4055	2000			2000	6055	
<i>Pseudanthias evansi</i>					7			7	7	
<i>Pseudanthias squamipinnis</i>	828			828	3600			3600	4428	
<i>Cephalopholis nigripinnis</i>	3	6	11	20		4		4	24	
APOGONIDAE										
<i>Apogon apogonoides</i>	250			250					250	
<i>Apogon nigrofaciatus</i>	1			1					1	
HAEMULIDAE										
<i>Plectorhinchus orientalis</i>							1	1	1	
LUTJANIDAE										
<i>Aphareus furca</i>		1	5	6		3	1	4	10	
<i>Lutjanus bohar</i>		4	2	6		2	3	5	11	
<i>Lutjanus gibbus</i>			2	2			3	3	5	
<i>Lutjanus kasmira</i>		1	5	6			12	12	18	
<i>Lutjanus monostigma</i>			6	6			2	2	8	
CAESIONIDAE										
<i>Caesio teres</i>							10	10	10	
<i>Pterocaesio lativittata</i>										X
<i>Pterocaesio marri</i>						200	35	235	235	
<i>Pterocaesio tile</i>		245		245		500		500	745	

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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
MULLIDAE										
<i>Parupeneus barbarensis</i>			1	1					1	
<i>Parupeneus bifasciatus</i>		1		1					1	
<i>Parupeneus macronema</i>	2	1		3		2		2	5	
<i>Parupeneus rubescens</i>										X
CHAETODONTIDAE										
<i>Chaetodon auriga</i>		2		2					2	
<i>Chaetodon bennetti</i>										X
<i>Chaetodon falcula</i>										X
<i>Chaetodon guttatissimus</i>	7	5		12	2			2	14	
<i>Chaetodon kleinii</i>					1	1		2	2	
<i>Chaetodon lunula</i>		2		2					2	
<i>Chaetodon meyeri</i>		4		4					4	
<i>Chaetodon trifasciatus</i>		3		3		3		3	6	
<i>Forcipiger flavissimus</i>	2	1		3	2	7		9	12	
<i>Hemitaenichthys zoster</i>										X
<i>Heniochus monoceros</i>						2		2	2	
<i>Heniochus singularius</i>						2		2	2	
<i>Chaetodon mitratus</i>										X
LETHRINIDAE										
<i>Gnathodentex aureolineatus</i>							25	25	25	
<i>Lethrinus nebulosus</i>										X
<i>Monotaxis grandoculis</i>		5	7	12			1	1	13	
<i>Lethrinus obsoletus</i>										X
PINGUIPEDIDAE										
<i>Parapercis signata</i>	7	2		9					9	
POMACANTHIDAE										
<i>Apolemichthys trimaculatus</i>		5		5					5	
<i>Centropyge acanthops</i>					1			1	1	
<i>Centropyge multispinis</i>	53	2		55	12			12	67	
<i>Pomacanthus imperator</i>			4	4					4	
<i>Pomacanthus annularis</i>										X
POMACENTRIDAE										
<i>Chromis dimidiata</i>	385			385	270			270	655	
<i>Chromis nigrura</i>	119			119					119	
<i>Chromis ternatensis</i>		1		1					1	
<i>Chromis weberi</i>	4	1		5					5	
<i>Dascyllus carneus</i>	1			1					1	
<i>Dascyllus trimaculatus</i>	4			4					4	
<i>Lepidozygus tapeinosoma</i>	7250			7250	4600			4600	11850	
<i>Plectroglyphidodon dickii</i>	8	1		9	6			6	15	
<i>Plectroglyphidodon johnstonianus</i>	6			6	3			3	9	

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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
<i>Plectroglyphidodon lacrymatus</i>	6	1		7	3			3	10	
LABRIDAE										
<i>Anampses meleagrides</i>		3		3					3	
<i>Bodianus diana</i>		1		1	2	3		5	6	
<i>Cheilinus undulatus</i>			1	1			1	1	2	
<i>Cirrhilabrus eximius</i>	49			49					49	
<i>Coris cuvieri</i>										X
<i>Coris formosa</i>			2	2					2	
<i>Epibulus insidiator</i>			2	2					2	
<i>Gomphosus caeruleus</i>	4	3		7		1		1	8	
<i>Halichoeres cosmetus</i>	19	9		28	5	1		6	34	
<i>Halichoeres hortulanus</i>		5		5		2		2	7	
<i>Halichoeres marginatus</i>		1		1					1	
<i>Hemigymnus fasciatus</i>		2	1	3					3	
<i>Hologymnosus doliatus</i>		1		1					1	
<i>Labroides bicolor</i>	12	2		14	19			19	33	
<i>Labroides dimidiatus</i>	11	1		12	3			3	15	
<i>Labrobsis xanthonata</i>	1	1		2					2	
<i>Macropharodon bipartitus</i>	1			1					1	
<i>Pseudocheilinus evanidus</i>					1			1	1	
<i>Pseudocheilinus hexataenia</i>	117			117	17			17	134	
<i>Pseudocheilinus octotaenia</i>	1	1		2	1			1	3	
<i>Pseudodax moluccanus</i>		2	1	3					3	
<i>Thalassoma amblycephalum</i>	29			29					29	
<i>Thalassoma janseni</i>	1	1		2					2	
<i>Thalassoma lunare</i>						1		1	1	
CIRRHITIDAE										
<i>Cirrhitichthys oxycephalus</i>	6			6					6	
<i>Paracirrhites arcatus</i>	3			3	2			2	5	
<i>Paracirrhites forsteri</i>	9	5		14	4	3		7	21	
SCARIDAE										
<i>Scarus sordidus</i>		4	1	5					5	
<i>Scarus rubroviolatus</i>		3	2	5		1		1	6	
<i>Scarus strongylocephalus</i>							1	1	1	
<i>Scarus tricolor</i>			5	5					5	
<i>Scarus caudofasciatus</i>			1	1					1	
CARANGIDAE										
<i>Caranx melampygus</i>			18	18			6	6	24	
SPHYRAENIDAE										
<i>Spyraena barracuda</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 Groups (Total Length)	<1-10cm	>10-20cm	>20cm	Total	<1-10cm	>10-20cm	>20cm	Total	Total	
FAMILY/Genus species										
BLENNIIDAE										
<i>Ecsenius midas</i>	2			2	4			4	6	
<i>Plagiotremus rhinorhynchus</i>	2			2					2	
<i>Plagiotremus tapeinosoma</i>	3			3	2			2	5	
<i>Cirripectes castaneus</i>	1			1					1	
GOBIIDAE										
<i>Gnatholepis anjerensis</i>	36			36	13			13	49	
ACANTHURIDAE										
<i>Acanthurus leucosternon</i>	3	27	7	37		4		4	41	
<i>Acanthurus thompsoni</i>		139	8	147		125		125	272	
<i>Acanthurus xanthopterus</i>			1	1			3	3	4	
<i>Ctenochaetus striatus</i>		2		2					2	
<i>Ctenochaetus strigosus</i>	32	44	1	77	1	28		29	106	
<i>Naso brevirostris</i>			4	4					4	
<i>Naso hexacanthus</i>							3	3	3	
<i>Naso lituratus</i>		3	4	7					7	
<i>Zebrasoma scopas</i>	17	9		26	9			9	35	
<i>Acanthusus nigricauda</i>			4	4					4	
<i>Acanthurus tenienti</i>			1	1					1	
<i>Naso vlamingii</i>			2	2					2	
<i>Zebrasoma desjardini</i>										X
<i>Acanthurus nigrofusus</i>										X
ZANCLIDAE										
<i>Zanclus cornutus</i>		6		6		2		2	8	
BALISTIDAE										
<i>Balistapus undulatus</i>		1		1					1	
<i>Melichthys indicus</i>			4	4					4	
<i>Sufflamen bursa</i>		2	2	4		2		2	6	
SCOMBRIDAE										
<i>Gymnosarda unicolor</i>			1	1			1	1	2	
SCORPAENIDAE										
<i>Taenianotus triacanthus</i>										X
KYPHOSIDAE										
<i>Kyphosus cinerascens</i>			32	32					32	
Total Fish Counted	13351	589	204	14144	10601	1244	157	12002	26146	
Number of Species	42	52	41	96	29	29	23	66	110	18
Fish/100m²	6676	295	102	7072	10601	1244	157	12002	8715	
Total Species Identified										128