Appendix 10. List of the inventory survey spots for the benthos component.

Area	Site	Spot	Lat,	Long.	Start		End		Method	i i de la
			(N)	(E)	Date	Time	Date	Time		
Gulf of Aqaba	1		3E+05		2E+07	1100	2E+07	1200	scuva	subtidalzone/bedrock
			3E+05		2E+07	1200	2E+07	1300	snorkel	subtidal zone/sand/seagrassbed
			3E+05		2E+07	1000	2E+07	1030	scuva	intaertidalzone/sand
			3E+05		2E+07	1030	2E+07	1130	scuva	subtidalzone/bedrock/sand
			3E+05		2E+07	1300	2E+07	1400	scuva	subtidalzone/bedrock/sand
			3E+05		2E+07	1400	2E+07	1430	scuba	surper/intertidalzone/bedrock/sa
	2		3E+05		2E+07	1100	2E+07	1200	scuva	sub/intertidalzone/bedrock/sand
			3E+05		2E+07	1100	2E+07	1200	scuva	subtidalzone/bedrock
			3E+05		2E+07	1200	2E+07	1230	scuva	intertidalzone/rocks/sand
	····································		3E+05		2E+07	1230	2E+07	1300	foot	supertidazone/rocks
	3		3E+05		2E+07	1200	2E+07	1300	scuva	subtidal zone/sand/patch reefs
			3E+05		2E+07	1500	2E+07	1600	scuva	subtidal zone/patch reefs/seagrassbed
			3E+05		2E+07	1600	2E+07	1630	foot	supertidalzone/bedrock
			3E+05		2E+07	1100	2E+07	1200	scuba	subtidalzone/patch reef
			3E+05		2E+07	1200	2E+07	1230	scuba	subtidalzone/sand
			3E+05		2E+07	1230	2E+07	1300	foot	supertidalzone/bedrock
Tiran	4		3E+05		2E+07	1300	2E+07	1430	scuva	subtidalzone/sand/bedrock
			3E+05		2E+07	1445	2E+07	1530	scuva	subtidal zone/sand/patch reefs
	5		3E+05		2E+07	1200	2E+07	1300	scuva	subtidal zone/sand/patch reefs
Duba / Al-Wajh	6	B63	3E+05		2E+07	610	2E+07	710	foot	intertidalzone/bedrock
	·	B68	3E+05		2E+07	1000	·2E+07	1100	scuva	subtidal zone/sand
•		B98			2E+07	1030	2E+07	1200	scuba	subtidalzone/bedrock
			3E+05		2E+07	1030	2E+07	1200	foot	beach / sand
	7	B61			2E+07	1130	2E+07	1230	scuva	subtidal zone/sand/patch recf
	-		3E+05		2E+07	1335	2E+07	1430		subtidal zone/sand/patch reef
	8		3E+05		2E+07	1030	2E+07	1130	foot	intertidalzone/mud/maglove
			3E+05		2E+07	1300	2E+07	1400	scuva	subtidal zone/sand
		B66	3E+05		2E+07	1300	2E+07	1400	foot	intertidalzone/bedrock
		B95		4E+05	2E+07	1030	2E+07	1130	scuba	subtidalzone/patch reef/sand/seagrassbed
			3E+05		2E+07	1130	2E+07	1200	foot	supertidalzone/bedrock
			3E+05		2E+07	1300	2E+07	1400	scuba	subtidalzone/sand/seagrassbed
	9		3E+05		2E+07	1200	2E+07	1300	scuva	subtidalzone/bedrock
			3E+05		2E+07	1300	2E+07	1330	scuva	intertidal zone/bedrock/sand
	10		3E+05		2E+07	1800	2E+07	1900	scuba	subtidal zone/sand
	1		3E+05		2E+07	1100	2E+07	1200	scuba	subtidal zone/bedrock
•				4E+05	2E+07	1800	2E+07	1900	trap	intertidal zone/rock
	٠.			4E+05	2E+07	1800	2E+07			intertidal zone/bedrock
•			3E+05		2E+07	1800	2E+07			intertidal zone/bedrock
0				4E+05	2E+07	1800	2E+07	1900	foot	intertidal zone/bedrock
	11			4E+05	2E+07	1130	2E+07	1210		subtidal zone/patch reef
	12			4E+05	2E+07	1540	2E+07	1610	foot	inter tidal zone/bedrock
				4E+05	2E+07	1620	2E+07			subtidal zone/sand
				4E+05	2E+07	1800	2E+07	1100	trap	subtidal zone/sand/patch reef
				4E+05	2E+07	1400	2E+07	1430		inter tidal zone/bedrock
				4E+05	2E+07	1430	2E+07	1500	scuva	subtidal zone/sand
	:			4E+05	2E+07	1135	2E+07	13:20		subtidal zone/bedrock
				4E+05	2E+07	1100	2E+07	1200	scuva	subtidalzone/sand/rocks
Al-Wajh Bank	13			4E+05	2E+07	1230	2E+07	1245	foot	beach/sand
•				4E+05	2E+07	1200	2E+07			subtidal zone/sand/seagrass
	٠.			4E+05	2E+07	1330	2E+07			subtidal zone/sand/bedrock
				4E+05	2E+07	1430	2E+07	1500	foot	beach/sand
•				4E+05	2E+07	1500	2E+07			inter tidal zone/sand/seagrass
				4E+05	2E+07	1530	2E+07	1600	foot	beach/sand
				4E+05	2E+07	1220	2E+07	14:00		inter tidal zone/sand/bedrock
				4E+05	2E+07	1430	2E+07	1500	scuva	inter tidal zone/sand/bedrock
				4E+05	2E+07	1530	2E+07	1600	foot	beach/saud
				4E+05	2E+07	1455	2E+07	1530		subtidal zone/sand/patch reefs
		B17	315+02	4E+05	ZE+U/	1406	2E+07	1420	areage	subtidal zone/sand/patch reefs

Appendix 10 (cont.). List of the inventory survey spots for the benthos component.

Area	Site	Spot	Lat.	Long.	Start		End		Method	Mabitat
		•	(N)	(E)	Date	Time	Date	Time		
the state of the s		B48		4E+05	2E+07	1100	2E+07	1200		intertidal zone/rock
		B84	3E+05	4E+05	2E+07	1200	2E+07	1300		subtidal zone/sand/bedrock
	14	B83	3E+05	4E+05	2E+07	1150	2E+07	1310		subtidalzone/sand/patch reef
	15	B18	3E+05	4E+05	2E+07	1315	2E+07	1415		subtidal zone/sand/patch reefs
		B19	3E+05	4E+05	2E+07	1515	2E+07	1545		subtidal zone/patch reef
		B20	3E+05	4E+05	2E+07	1400	2E+07	1500		subtidal zone/sand/bedrock
	16	B81	3E+05	4E+05	2E+07	1210	2E+07	1300		intertidalzone/bedrock/sand
		B82	3E+05	4E+05	2E+07	1450	2E+07	1530	scuba	subtidalzone/sand/patch reef
Umluj / Ra's Baridi	17	B26	2E+05	4E+05	2E+07	1120	2E+07	1140	scuva	subtidal zone/sand
		B27	2E+05	4E+05	2E+07	1140	2E+07	1230	scuva	subtidal zone/patch reef
		B28	2E+05	4E+05	2E+07	1330	2E+07	1430	snorkel	subtidal zone/sand/bedrock
		B79	2E+05	4E+05	2E+07	1015	2E+07	1110	scuva	subtidalzone/bedrock/sand/patch reef
		B80	3E+05	4E+05	2E+07	1130	2E+07	1300	scuva	subtidalzone/sand/bedrock
	18	B21	3E+05	4E+05	2E+07	950	2E+07	1045	scuva	inter/subtidal zone/sand/bedrock
		B22	3E+05	4E+05	2E+07	1130	2E+07	1200	foot	intertidal zone/sand/bedrock
		B23	3E+05	4E+05	2E+07	1320	2E+07	1410	snorkel	beach_subtidal zone/sand/bedro
		B24	2E+05	4E+05	2E+07	1100	2E+07	1200	scuva	subtidal zone/sand/seagrass
		B25	2E+05	4E+05	2E+07	1200	2E+07	1300	scuva	subtidal zone/bedrock
	19	B75	2E+05	4E+05	2E+07	1150	2E+07	1220	scuba	intertidalzone/bedrock
		B76	2E+05	4E+05	2E+07	1220	2E+07	1300	scuba	intertidalzone/sand/patch reef
		B77	2E+05	4E+05	2E+07	1125	2E+07	1200	scuba	subtidalzone/sand/patch reef
		B78	2E+05	4E+05	2E+07	1200	2E+07	1230	snorkel	intertidalzone/bedrock
	20	B35	2E+05	4E+05	2E+07	1020	2E+07	1110	scuva	subtidal zone/bedrock
		B36	2E+05	4E+05	2E+07	1110	2E+07	1200	foot	intertidal zone/bedrock/sand
	21	B37	2E+05	4E+05	2E+07	1605	2E+07	1645	scuva	subtidal zone/sand/scagrass
		B38	2E+05	4E+05	2E+07	1645	2E+07	1715	foot	beach/saud/bedrock
Yanbu' / Jeddah	22	B73	2E+05	4E+05	2E+07	1115	2E+07	1210	scuba	subtidalzone/sand
		B74	2E+05	4E+05	2E+07	1300	2E+07		snorkel	intertidalzone/bedrock/sand/seagrassbed
	23	B33	2E+05	4E+05	2E+07	1230	2E+07	1250	foot	beach/sand
		B34	2E+05	4E+05	2E+07	1250	2E+07	1330	scuva	subtidal zone/sand/seagrass/patch reef
	24	B29	2E+05	4E+05	2E+07	1330	2E+07	1400	scuva	subtidal zone/sand
		B30	2E+05	4E+05	2E+07	1400	2E+07	1450		intertidal zone/bedrock/sand
•		B31		4E+05	2E+07	1520	2E+07	1600	snorkel	intertidal zone/bedrock/sand
		B32	2E+05	4E+05	2E+07	1200	2E+07	1300	scuva	intertidal zone/mangrove
÷		B69	2E+05	4E+05	2E+07	1100	2E+07	1200	scuva	subtidalzone/patch reef/sand
				4E+05	2E+07	940	2E+07	1100		intertidalzone/sand/mud
	25	B71	2E+05	4E+05	2E+07	1330	2E+07	1400		intertidalzone/bedrock/sand
		B72	2E+05	4E+05	2E+07	1400	2E+07	1430	scuba	subtidalzone/bedrock/sand

No. PHYLLIM	CLASS	ORDER	FAMILY	SCIENTIFIC NAME	ENGLISH NAME
1	ZOANTHARIA	ACTINIARIA	HORMATHIDAE	Calliactis polypus	(Hermit Crab Anemone)
ANNETIDA	POLYCHAETA	SABELLIDA	SABELLIDAE	SABELLIDAE	(Fan-worm)
ACTITION &	POLYCHAETA	SABELLIDA	SERPULIDAE	SERPULIDAE	(Calcareous tube-worm)
4 SIPLINCILL B	unidentified	unidentified	unidentified	SIPUNCULR	(Peanut-worms)
5 MOLLUSCA	POLYPLACOPHORA	unidentified	CHITONIDAE	Acanthopleura haddoni	(Chitons)
6 MOLLUSCA	POLYPLACOPHORA	unidentified	CHITONIDAE	CHITONIDAE	(Chitons)
	GASTROPODA	ARCHAEOGASTROPODA	HALIOTIDAE	Sanhaliotis varia	(Abalon)
8 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	PATELLIDAE	Celtana eucosniia	(Limpet)
9 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	TROCHIDAE	Clanculus pharaonius	Strawberry Top Shell
10 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	TROCHIDAE	Gibbula declivis	(Topshell)
11 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	TROCHIDAE	Monodonta canalifera	(Topshell)
12 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	TROCHIDAE	Tectus dentatus	(Topshell)
13 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	TROCHIDAE	Tectus virgatus	(Topshell)
14 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	TROCHIDAE	Trochus erythreus	(Topshell)
15 MOI 1 USCA	GASTROPODA	ARCHAFOGASTROPODA	TROCHIDAE	Trochus maculatus	(Topshell)
15 MOI 1 115CA	CASTROPODA	ARCHAEOGASTROPODA	TROCHIDAE	Trochus sp.(3-1)	(Topshell)
ASSOLUTION CE	ACCOUNT ACC	APCHAEOGASTROBODA	TIRBINIDAE	Turbo petholatus	Tapestry Turban
I/ MULLUSCA	CASINOTOR	ABOTTATOO ASTROBODA		Turbo radiatus	(Turban)
	GASTROPODA	ARCHAEOGASIROFODA	TOKBUNDAE	Turbo ca (3.12)	(Tuchan)
	GASTROPODA	AKCHAEUGASIKUPUDA	ICKBINIDAE	2	(Telescope et all)
20 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	STOMATELLIDAE	Stomatella auneula	(Faise ear shell)
21 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	STOMATELLIDAE	Stomatella nigra	(False ear shell)
22 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	NERITIDAE	Nerita albicilla	(Slipper winkle)
23 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	NERITIDAE	Nerita longii	(Slipper winkle)
24 MOLLUSCA	GASTROPODA	ARCHAEOGASTROPODA	NERITIDAE	Nerita polita	(Slipper winkle)
25 MOLLUSCA	GASTROPODA	MESOGASTROPODA	LITTORINIDAE	Littorina scabra	(Periwinkle)
	GASTROPODA	MESOGASTROPODA	LITTORINIDAE	Nodilittorina tuberculata	(Periwinkle)
	GASTROPODA	MESOGASTROPODA	ARCHITECTONICIDAE	Heliacus variegatus	(Sundial)
28 MOI I IISCA	GASTROPODA	MESOGASTROPODA	TURRITELLIDAE	Turritella cf.fultoni	(Screw shell)
	GASTROPODA	MESOGASTROPODA	TURRITELLIDAE	Turritella sanguinca	(Screw shell)
	GASTROPODA	MESOGASTROPODA	VERMETIDAE	Dendropoma maxima	(Worm shell)
	GASTROPODA	MESOGASTROPODA	PLANAXIDAE	Planaxis sulcatus	(Cluster winkle)
	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Cerithium caeruleum	(Horn shell)
	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Cerithium columna	(Horn shell)
	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Cerithium erythraeonense	(Hom shell)
	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Cerithium nesioticum	(Horn shell)
	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Cerithium sp.(4-11)	(Horn shell)
	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Cerithium sp.(4-15)	(Horn shell)
38 MOLLISCA	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Cerithium sp.(4-21)	(Horn shell)
39 MOLLISCA	GASTROPODA	MESOGASTROPODA	CENTHIIDAE	Cerithium sp.(5-7)	(Horn shell)
40 MOLLISCA	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Clypeomorus concisus	(Horn shell)
	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Rhinoclavis fasciatus	(Horn shell)
	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Rhinoclavis kochi	(Horn shell)
	GASTROPODA	MESOGASTROPODA	CERITHIIDAE	Rhinoclavis sp.(4-9)	(Hom shell)
44 MOI I 110 A	GASTROPODA	MESOGASTROPODA	CERTHIIDAE	CERITHIDAE	(Hom shell)

OPODA MESOGASTROPODA		33 4 10	ORDER	FAMILY	SCIENTIFIC NAME	ENGLISH NAME
dASTROPODA MESOCASTROPODA STROMBIDAE Strombus materialis described from the strong dastropoda ARTONERIDAE Strombus materialis described from the strong dastropoda ARTONERIDAE Strombus materialis described dastropoda ARTONERIDAE Strombus materialis dastropoda ARTONERIDAE Strombus materialis dastropoda ARTONERIDAE Strombus dastropoda ARTONERIDAE Strombus materialis dastropoda ARTONERIDAE Cyprae amenia control dastropoda ARTONERIDAE Cyprae amenia amenia dastropoda ARTONERIDAE Cyprae amenia amenia dastropoda ARTONERIDAE ARTONERIDAE Cyprae amenia amenia dastropoda ARTONERIDAE ARTONERIDAE ARTONERIDAE ARTONERIDAE ARTONERIDAE ARTONERIDAE ARTONERIDAE ARTONERIDAE ARTONERIDAE ART	No. PHYLUM	GASTROPODA	MESOGASTROPODA	STROMBIDAE	Strombus fasciatus	Lineated Conch
GASTROPODA MISOGASTROPODA STROAGBIDAE Streambus mutabilis of CASTROPODA MISOGASTROPODA STROAGBIDAE Streambus under the control of CASTROPODA MISOGASTROPODA STROAGBIDAE Streambus under the castropoda MISOGASTROPODA STROAGBIDAE Streambus under the castropoda MISOGASTROPODA STROAGBIDAE Trabellum retrogia destropoda MISOGASTROPODA STROAGBIDAE Trabellum retrogia mutabilis strong castropoda MISOGASTROPODA CYFRAGIDAE Cyprae ameno in castropoda MISOCASTROPODA CYFRAGIDAE Cyprae menonical castropoda CASTROPODA MISOCASTROPODA CYFRAGIDAE Cyprae menonical castropoda CASTROPODA CYFRAGIDAE Cyprae menonical castropoda CASTROPODA MISOCASTROPODA CYFRAGIDAE Cyprae Cyprae menonical castropoda CASTROPODA MISOCASTROPODA CYFRAGIDAE CASTROPODA CASTROPODA MISOCASTROPODA MISOCASTROPODA MISOCASTROPODA MISOCASTROPODA MISOCASTROPODA CASTROPODA CAST	47 MOT LISCA	GASTROPODA	MESOGASTROPODA	STROMBIDAE	Strombus gibberulus albus	(Conce shell)
GASTIROPODA MISOGASTIROPODA STROABIDAE STROABIDAE STROABIDAE STROABIDAE STROABIDAE STROABIDAE STROABIDAE STROABIDAE STROABIDAE TO MISOGASTIROPODA MISOGASTIROPODA STROABIDAE TO THE installate charb description of ASTIROPODA MISOGASTIROPODA CTPRACIDAE CAPTRACIDAE CAPTRACIDAE CASTIROPODA MISOGASTIROPODA CTPRACIDAE CAPTRACIDAE CAPTRACIDAE CASTIROPODA MISOGASTIROPODA CTPRACIDAE CAPTRACIDAE CASTIROPODA MISOGASTIROPODA CTPRACIDAE CAPTRACIDAE CASTIROPODA MISOGASTIROPODA CTPRACIDAE CASTIROPODA MISOCASTIROPODA MISOCAS	48 MOLL USCA	GASTROPODA	MESOGASTROPODA	STROMBIDAE	Strombus mutabilis	(Conce shell)
MESCOGASTROPODA MESCOGASTROPODA STROMBILDAE Trional bastracherab RESCOGASTROPODA STROMBILDAE Trion bastracherab RESCOGASTROPODA STROMBILDAE Trion bastracherab Tryon bastracherab Tr	49 MOLLUSCA	GASTROPODA	MESOGASTROPODA	STROMBIDAE	Strombus tricornis	(Concusuent)
MOLITISCA GASTROPODA MESOGASTROPODA SITROMBIDAE Transbillam resolution MOLITISCA GASTROPODA MESOGASTROPODA SITROMBIDAE Transbillam resolution MOLITISCA GASTROPODA MESOGASTROPODA CYPRABIDAE Cypraes annies MOLITISCA <td></td> <td>GASTROPODA</td> <td>MESOGASTROPODA</td> <td>STROMBIDAE</td> <td>Strombus urceus</td> <td>(Concin shell)</td>		GASTROPODA	MESOGASTROPODA	STROMBIDAE	Strombus urceus	(Concin shell)
MOLLUSCA GASTROPODA MESGOGASTROPODA STROMBIDADE Filbit inatilatechrable MOLLUSCA GASTROPODA MESGOGASTROPODA CYPRABIDAE Cypraea anbica MOLLUSCA GASTROPODA MESGOGASTROPODA ANTICIDAE Cypraea anbica MOLLUSCA GASTROPODA MESGOGASTROPODA ANTICIDAE Cypraea anbica MOLLUSCA GASTROPODA MESGOGASTROPODA ANTICIDAE Cypraea anbica MOLLUSCA <t< td=""><td>SU MOLLOSCA</td><td>GASTROPODA</td><td>MESOGASTROPODA</td><td>STROMBIDAE</td><td>Terebellum terebellum</td><td>(Conch shell)</td></t<>	SU MOLLOSCA	GASTROPODA	MESOGASTROPODA	STROMBIDAE	Terebellum terebellum	(Conch shell)
MOLLUSCA GASTROPODA MESOGASTROPODA HIPPOINCIDAE Upprose achies MOLLUSCA GASTROPODA MESOGASTROPODA CYPRABIDAE Cypraca acmica MOLLUSCA GASTROPODA MESOGASTROPODA CYPRABIDAE Cypraca profession MOLLUSCA GASTROPODA MESOGASTROPODA CYPRABIDAE Cypraca profession MOLLUSCA GASTROPODA MESOGASTROPODA CYPRABIDAE Cypraca suphylica MOLLUSCA		GASTROPODA	MESOGASTROPODA	STROMBIDAE	Tibia insulaechorab	Arabian Tibia
WOLLUSCA GASTROPODA MESOGASTROPODA CYPRAEIDAE Cypraca cauroid MOLLUSCA GASTROPODA MESOGASTROPODA CYPRAEIDAE Cypraca protherina MOLLUSCA		ACTROPOLIA	MESOGASTROPODA	HIPPONICIDAE	Hipponix cf.acuta	(Hoof shell)
MOLLUSCA GASTROPODA MESOGASTROPODA CYPRAEIDAE Cypraca caurical MOLLUSCA GASTROPODA MESOGASTROPODA CYPRAEIDAE Cypraca caurical MOLLUSCA GASTROPODA MESOGASTROPODA CYPRAEIDAE Cypraca isabella MOLLUSCA		CASTROPODA	MESOGASTROPODA	CYPRAEIDAE	Cypraea arabica	Arabian Cowrie
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MOLLUSCA GASTROPDA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA NATICIDAE MATICIDAE Politicas unitation MOLLUSCA GASTROPODA GASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA GASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MESOGASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTROPODA MURICIDAE MOLLUSCA GASTR		GASTROPODA	MESOGASIROPUJA	MAIICIDAE	Polinices melanostomus	Black Mouthed Moon Snail
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MOLLUSCA GASTROPODA MESOGASTROPODA BURSIDAE Bursa rhodostoma MOLLUSCA GASTROPODA MESOGASTROPODA BURSIDAE Bursa rhodostoma MOLLUSCA GASTROPODA MESOGASTROPODA MURICIDAE Chicoreus ramosus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Chicoreus virgineus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa norum morum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Homalocan tha pele MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula cirum shadari MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE MORULOSCA GASTROPODA NEOGASTROPODA MURICIDAE MURICIDAE MOLLUSCA GASTROPODA NEOGASTR	72 MOLLUSCA	GASTROPODA	MESOGASTROPODA	CYMATIIDAE	Gynnium concinum	(Timon such)
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MACLUSCA GASTROPODA MESOGASTROPODA TONNIDAE Mater pomum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Chicoreus ramosus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Chicoreus virgineus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Cronia martensi MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa incimus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa incimus hadan MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupala conus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morala c.f.ohrysostema MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morala c.f.ohrysostema MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodrupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodrupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodrupa fiscellum MOLLUSCA		GASTROPODA	MESOGASTROPODA	BURSIDAE	Bursa rhodostoma	(Frog snell)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Chicoreus ramosus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Chicoreus virgineus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Chicoreus virgineus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa lobata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa morum morum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa lobata MOLLUSCA GASTROPODA MURICIDAE Drupa lobata MOLLUSCA GASTROPODA MURICIDAE Drupa lobata MOLLUSCA GASTROPODA MURICIDAE Morula cichtysostoma MOLLUSCA GASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA MURICIDAE Muricidate MOLLUSCA GASTROPODA MURICIDAE Muricidate MOLLUSCA GASTROPODA MURICIDAE Muricidate MOLLUSCA GASTROPODA MURICIDAE MURICIDAE		GASTROPODA	MESOGASTROPODA	TONNIDAE	Malea pomum	
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Chicoreus virgineus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Cronia martensi MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa lobata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa morum morum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa incinus hadari MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Homalocanita pele MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula cionus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulara MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulara MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulara MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE MURICIDAE MOLLUSCA GASTROPODA		GASTROPODA	NEOGASTROPODA	MURICIDAE	Checoreus ramosus	(Comp shell)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Croma martena MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa lobata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa morum morum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Homania morum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Homanicanita pele MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula cionus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE MURICIDAE MOLLUSCA GASTROPODA		GASTROPODA	NEOGASTROPODA	MURICIDAE	Chicoreus Virgineus	(Conto sucit)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa locata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa morum morum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa icinus hadari MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula cicurs MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula cicurs MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodupa fiscellum MOLLUSCA GASTROP		GASTROPODA	NEOGASTROPODA	MURICIDAE	Cronia martensi	(Como suca)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Lrupa morum mor		GASTROPODA	NEOGASTROPODA	MURICIDAE	Drupa locata	(Comp shell)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Drupa ncinus hadan MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Homalocanita pele MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula ci-chrysostoma MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA MURICIDAE Murex tribulus MOLLUSCA GASTROPODA MURICIDAE Murex tribulus MOLLUSCA GASTROPODA MURICIDAE Muricodrupa fiscellum MOLLUSCA GASTROPODA MURICIDAE Muricodrupa fiscellum MOLLUSCA GASTROPODA MURICIDAE Muricodrupa fiscellum MOLLUSCA GASTROPODA MURICIDAE NEOGASTROPODA MOLLUSCA GASTROPODA MURICIDAE NEOGASTROPODA MOLLUSCA GASTROPODA MURICIDAE NEOGASTROPODA		GASTROPODA	NEOGASTROPODA	MURICIDAE	Lyupa morum morum	(Comb such)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Homatocanita pele MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Homatocanita pele MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula cr.chrysostoma MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Murec tribulus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodrupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodrupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Thais savignyi		GASTROPODA	NEOGASTROPODA	MURICIDAE	Drupa neinus hadan	(Como speri)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Homalocanita pele MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula cf.chrysostoma MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula uva MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Murex tribulus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Murectidae MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Murecodrupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Thais savignyi		GASTROPODA	NEOGASTROPODA	MURICIDAE	Drupella cornus	(Como suen)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula ci.chrysostoma MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula uva MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Murex tribulus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Murecdrupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Thais savignyi		GASTROPODA	NEOGASTROPODA	MURICIDAE	Homalocantha pele	(Comb shell)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula granulata MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Murex tribulus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Murex tribulus MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Thais savignyi		GASTROPODA	NEOGASTROPODA	MURICIDAE	Morula cf.chrysosicma	(Comp shell)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Morula uva MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricadrupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Thais savignyi		GASTROPODA	NEOGASTROPODA	MURICIDAE	Morula granulata	(Comb shell)
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MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Muricodrupa fiscellum MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Thais savignyi		GASTROPODA	NEOGASTROPODA	MURICIDAE	Murex tribulus	(Comb shell)
GASTROPODA NEOGASTROPODA MURICIDAE Nassa francolina GASTROPODA NEOGASTROPODA MURICIDAE Thais savignyi	88 MOLLUSCA	GASTROPODA	NEOGASTROPODA	MURICIDAE	Muricodrupa fiscellum	(Comb shell)
MOLLUSCA GASTROPODA NEOGASTROPODA MURICIDAE Ihais savignyi	89 MOLLUSCA	GASTROPODA	NEOGASTROPODA	MURICIDAE	Nassa francolina	(Comb shell)
	90 MOLLUSCA	GASTROPODA	NEOGASTROPODA	MURICIDAE	Thais savignyi	(Comb shell)

91 MOLLUSCA GASTROPODA PROGASTROPODA
MOLLUSCA GASTROPODA NEOGASTROPODA MOLLUSCA GASTROPODA
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MOLLUSCA GASTROPODA NEOGASTROPODA MOLLUSCA GASTROPODA NEOGASTROPODA
MOLLUSCA GASTROPODA NEOGASTROPODA
134 MOLLUSCA GASTROPODA NEOGASTROPODA CONIDAE
NEOGASTROPODA NEOGA STEORODA
Conus pennaceus

Appendix 11 (cont.). List of benthos specimens collected in the Biological Inventory Survey.

No. PHYLITM	CLASS	ORDER	FAMILY	SCIENTIFIC NAME	ENGLISH NAME
1	GASTROPODA	NEOGASTROPODA	CONIDAE	Conus striatellus	(Cone shell)
137 MOLLUSCA	GASTROPODA	NEOGASTROPODA	CONIDAE	Conus striatus	(Cone shell)
13. MOLTITSCA	GASTROPODA	NEOGASTROPODA	CONIDAE	Conus taeniatus	(Cone shell)
136 MOLY 115CA	GASTROPODA	NEOGASTROPODA	CONTDAE	Conns tessulatus	Orange Spotted Cone
140 MOLLISCA	GASTROPODA	NEOGASTROPODA	CONIDAE	Conus textile	(Cone shell)
141 MOLLUSCA	GASTROPODA	NEOGASTROPODA	CONIDAE	Coaus vexillum	(Cone shell)
142 MOLLUSCA	GASTROPODA	NEOGASTROPODA	CONTDAE	Coaus virgo	(Cone shell)
143 MOLLUSCA	GASTROPODA	NEOGASTROPODA	TEREBRIDAE	Duplicaria duplicata	(Auger shell)
144 MOLLUSCA	GASTROPODA	NEOGASTROPODA	TEREBRIDAE	Terebra affinis	(Auger shell)
145 MOLLUSCA	GASTROPODA	NEOGASTROPODA	TEREBRIDAE	Terebra amanda	(Auger shell)
146 MOLLUSCA	GASTROPODA	NEOGASTROPODA	TEREBRIDAE	Terebra babylonia	(Auger shell)
147 MOLLUSCA	GASTROPODA	NEOGASTROPODA	TEREBRIDAE	Terebra cerithina	(Auger shell)
148 MOLLUSCA	GASTROPODA	NEOGASTROPODA	TEREBRIDAE	Terebra consobrina	(Auger shell)
149 MOLLUSCA	GASTROPODA	NEOGASTROPODA	TEREBRIDAE	Terebra crenulata	(Auger shell)
	GASTROPODA	NEOGASTROPODA	TEREBRIDAE	Terebra maculata	Marlin Spike
151 MOLLUSCA	GASTROPODA	NEOGASTROPODA	TEREBRIDAE	Terebra nebulosa	(Auger shell)
152 MOLLUSCA	GASTROPODA	BULLOMORPHA	BULLIDAE	Chelidonura fiabolobata	(Bubble shell)
153 MOLLUSCA	GASTROPODA	BULLOMORPHA	ATYIDAE	Atys cylindricus	(Gastropod)
154 MOLLUSCA	GASTROPODA	BULLOMORPHA	ATYIDAE	Smaragdinella cf.calyculata	(Gastropod)
155 MOLLUSCA	GASTROPODA	BULLOMORPHA	AGLAJIDAE	AGLAJIDAE	(Aglajids)
	GASTROPODA	BULLOMORPHA	PHLINIDAE	BULLOMORPHA	(Gastropod)
157 MOLLUSCA	GASTROPODA	PYRAMIDELLOMORPHA	PYRAMIDELLIDAE	Pyramidella sulcata	(Pyramidellid)
158 MOLLUSCA	GASTROPODA	APLYSIOMORPHA	APLYSIIDAE	Aplysia sp.	(Sea hare)
159 MOLLUSCA	GASTROPODA	APLYSIOMORPHA	APLYSIIDAE	Dolabella auricularis	(Sea hare)
160 MOLLUSCA	GASTROPODA	APLYSIOMORPHA	APLYSIIDAE	APLYSIIDAE	(Sea hare)
161 MOLLUSCA	GASTROPODA	PLEUROBRANCHOMORPHA PLEUROBRANCHIDAE	N PLEUROBRANCHIDAE	Berthellina citrina	(Side-gilles Slugs)
	GASTROPODA	PLEUROBRANCHOMORPHA PLEUROBRANCHIDAE	N PLEUROBRANCHIDAE	Pleurobranchus semperi	(Side-gilles Siugs)
163 MOLLUSCA	GASTROPODA	NUDIBRANCHIA	GYMNODORIDAE	Gymnodoris ceylonica	(Gymnodorid)
164 MOLLUSCA	GASTROPODA	NUDIBRANCHIA	PHYLLIDIIDAE	Phyllidia dautzenbergi	(Phyllid)
165 MOLLUSCA	GASTROPODA	NUDIBRANCHIA	PHYLLIDIIDAE	Phyllidia multifaria	(Phyllid)
166 MOLLUSCA	GASTROPODA	NUDIBRANCHIA	PHYLLIDIIDAE	Phyllidia pustulosa	(Phyllid)
167 MOLLUSCA	GASTROPODA	NUDIBRANCHIA	PHYLLIDIIDAE	Phyllidia sp.	(Phyllid)
168 MOLLUSCA	GASTROPODA	NUDIBRANCHIA	PHYLLIDIDAE	Phyllidiopsis sp.	(Phyllid)
169 MOLLUSCA	GASTROPODA	NUDIBRANCHIA	CHROMODORIDIDAE	Chromodoris africana	(Chromodorid)
170 MOLLUSCA	GASTROPODA	NUDIBRANCHIA	CHROMODORIDIDAE	Chromodoris elizaloethina	(Chromodorid)
171 MOLLUSCA	GASTROPODA	NUDIBRANCHIA	CHROMODORIDIDAE	Glossodoris plumbea	(Chromodorid)
172 MOLLUSCA	GASTROPODA	BASOMMATOPHORA	SIPHONARIIDAE	Siphonaria sp.	(Gastropod)
173 MOLLUSCA	SCAPHOPODA	•	DENTALIDAE	DENTALIDAE	(Elephant's Tusk Shell)
174 MOLLUSCA	BIVALVIA		ARCIDAE	Anadara antiquata	Antique Ark
175 MOLLUSCA	BIVALVIA		ARCIDAE	Arca avellana	(Ark shell)
176 MOLLUSCA	BIVALVIA		ARCIDAE	Arca plicata	Plicata Ark
177 MOLLUSCA	BIVALVIA		ARCIDAE	Barbatia foliata	(Ark shell)
178 MOLLUSCA	BIVALVIA	· · · · · · · · · · · · · · · · · · ·	ARCIDAE	Barbatia parva	(Ark shell)
179 MOLLUSCA	BIVALVIA		ARCIDAE	Barbatia setigera	(Ark shell)
180 MOLLUSCA	BIVALVIA		GLYCYMERIDAE	Glycymeris lividus	(Dog cockle)

Appendix 11 (cont.). List of benthos specimens collected in the Biological Inventory Survey.

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No. PHYLUM	CLASS	ORDER	FAMILY	SCIENTIFIC NAME	ENGLISH NAME
181 MOLLUSCA	BIVALVIA		GLYCYMERIDAE	Glycymeris pectunculus	Comb Dog Cockle
182 MOLLUSCA	BIVALVIA	MYTILOIDA	MYTILIDAE	Brachidontes variabilis	(Mussel)
183 MOLLUSCA	BIVALVIA	MYTILOIDA	MYTILIDAE	Modiolus auriculatus	(Mussel)
184 MOLLUSCA	BIVALVIA	MYTILOIDA	MYTILIDAE	Modiolus cf.barbatus	(Mussel)
185 MOLLUSCA	BIVALVIA	MYTILOIDA	PINNIDAE	Atrina vexillum	(Razor pen shell)
186 MOLLUSCA.	BIVALVIA	MYTILOIDA	PINNIDAE	Pinna muricata	Prickly Pen Shell
	BIVALVIA	MYTILOIDA	PINNIDAE	Streptopinna saccata	Baggy Pen Shell
	BIVALVIA	PTEROIDEA	PTERIIDAE	Electroma alacorvi	Raven's wing
189 MOLLUSCA	BIVALVIA	PTEROIDEA	PTERIIDAE	Pinctada margaritifera	Black-lip Pearl Shell
	BIVALVIA	PTEROIDEA	PTERIIDAE	Pinctada radiata	Rayed Pearl Oyster
191 MOLLUSCA	BIVALVIA	PTEROIDEA	PTERIDAE	Pteria aegyptiaca	(Pearl shell)
192 MOLLUSCA	BIVALVIA	PTEROIDEA	PTERIIDAE	Pteria macroptera	(Pearl shell)
193 MOLLUSCA	BIVALVIA	PTEROIDEA	MALLEIDAE	Malvifundus regula	(Hammer oyster)
194 MOLLUSCA	BIVALVIA	PTEROIDEA	ISOGNOMONIDAE	Isognomon isognomon	(Toothed Pearl shell)
195 MOLLUSCA	BIVALVIA	PTEROIDEA	ISOGNOMONIDAE	Isognomon legumen	Pod Tree Oyster
196 MOLLUSCA	BIVALVIA	PTEROIDEA	PECTINIDAE	Chlamys livida	(Scallop)
197 MOLLUSCA	BIVALVIA	PTEROIDEA	PECTINIDAE	Chlamys maculosa	(Scallop)
198 MOLLUSCA	BIVALVIA	PTEROIDEA	PECTINIDAE	Excellichlamys spectabilis	(Scallop)
199 MOLLUSCA	BIVALVIA	PTEROIDEA	PECTINIDAE	Pedum spondyloideum	(Scallop)
200 MOLLUSCA	BIVALVIA	PTEROIDEA	SPONDYLIDAE	Spondylus marismbri	Red Thorny Oyster
201 MOLLUSCA	BIVALVIA	PTEROIDEA	PLICATULIDAE	Plicatula plicata	Plicate Kitten's Paw
202 MOLLUSCA	BIVALVIA	PTEROIDEA	LIMIDAE	Lima lima	Spiny File Shell
203 MOLLUSCA	BIVALVIA	PTEROIDEA	LIMIDAE	Limaria fragilis	(File shell)
	BIVALVIA	PTEROIDEA	OSTREIDAE	Lopha cristagalli	(True Oyster)
	BIVALVIA	PTEROIDEA	OSTREIDAE	Saccostrea cucullata	(True Oyster)
	BIVALVIA	PTEROIDEA	OSTREIDAE	OSTREIDAE	(True Oyster)
	BIVALVIA	VENEROIDA	LUCINIDAE	Anodontia edentula	(Saucer shell)
208 MOLLUSCA	BIVALVIA	VENEROIDA	LUCINIDAE	Cavilucina fieldingi	(Saucer shell)
	BIVALVIA	VENEROIDA	LUCINIDAE	Codakia ilgerina	Tiger Lucine
	BIVALVIA	VENEROIDA	LUCINIDAE	Divaricella macandreae	(Saucer shell)
	BIVALVIA	VENEROIDA	LUCINIDAE	Lucina dentifera	Toothed Lucine
	BIVALVIA	VENEROIDA	LUCINIDAE	Pillucina fischeriana	(Saucer shell)
	BIVALVIA	VENEROIDA	UNGULINIDAE	Diplodonta subrotundata	(Bivalves)
	BIVALVIA	VENEROIDA	CHAMIDAE	Chama sp.	(Chama)
	BIVALVIA	VENEROIDA	CARDITIDAE	Cardita variegata	(Cardita clam)
216 MOLLUSCA	BIVALVIA	VENEROIDA	CARDIIDAE	Ctenocardia fornicata	(Heart colckle)
	BIVALVIA	VENEROIDA	CARDIIDAE	Fragun nivale	(Heart colckle)
218 MOLLUSCA	BIVALVIA	VENEROIDA	CARDIIDAE	Fulvia australe	(Heart colckle)
219 MOLLUSCA	BIVALVIA	VENEROIDA	CARDIIDAE	Fulvia papyracea	(Heart colckie)
220 MOLLUSCA	BIVALVIA	VENEROIDA	CARDIIDAE	Laevicardium biradiatum	(Heart colcide)
221 MOLLUSCA	BIVALVIA	VENEROIDA	CARDIIDAE	(Heart colckie)	
222 MOLLUSCA	BIVALVIA	VENEROIDA	CARDIIDAE	Trachycardium enode	(Heart colckle)
223 MOLLUSCA	BIVALVIA	VENEROIDA	CARDIIDAE	Trachycardium flavum	(Heart colckle)
224 MOLLUSCA	BIVALVIA	VENEROIDA	TRIDACNIDAE	Tridacna maxima	(Clam)
225 MOLLUSCA	BIVALVIA	VENEROIDA	TRIDACNIDAE	Tridacna squamosa	Fluted Giant Clam
		-			

	33 1 150	Constant	LI FAMILY SCI	SCIENTIFIC NAME	ENGLISH NAME
No. PHYLUM	CLASS	VENEROIDA	MACTRIDAE	Mactra liliacea	(Trough shell)
	BIVALVIA	VENEROLDA	MESODESMATIDAE	Atactodea glabrata	Smooth Beach Clam
227 MOLLUSCA	BIVALVIA	Venerolda .m.mpom.	THE LINIDAE	Tellina adamsi	(Tellin)
228 MOLLUSCA	BIVALVIA	VENEROLDA	TELEGRAPHICAL TRANSPORT	Tellina crucioera	(Tellin)
229 MOLLUSCA	BIVALVIA	VENEROLDA		Telline cookingts	(Tellin)
230 MOLLUSCA	BIVALVIA	VENEROIDA	I ELLINIDAE	Total and and and) (Tellis)
231 MOLLUSCA	BIVALVIA	VENEROIDA	TELLINIDAE	remina sulcata	Oblana Transzium
	BIVALVIA	VENEROIDA	TRAPEZIIDAE	I rapezium obiongum	Colong Maperium
	BIVALVIA	VENEROIDA	VENERIDAE	Callista florida	(Venus ciam)
	BIVALVIA	VENEROIDA	VENERIDAE	Circe corrugata	(Venus clam)
	BIVALVIA	VENEROIDA	VENERIDAE	Circe crocea	(Venus clam)
	BIVALVIA	VENEROLDA	VENERIDAE	Circentia callipyga	(Venus clam)
	BIVALVIA	THENOLES	TACTEDIO	Dosinia erythraea	(Venus clam)
237 MOLLUSCA	BIVALVIA	VENEROLDA		Dosinia histrio	(Venus clam)
238 MOLLUSCA	BIVALVIA	VENEROIDA	VENERIDAE		(Venue clam)
239 MOLLUSCA	BIVALVIA	VENEROIDA	VENERIDAE	Calranum pecunatum	(Verifica Claim)
	BIVALVIA	VENEROIDA	VENERIDAE	Lioconcha castrensis	(Venus clain)
	A17/14	VENEROTHA	VENERIDAE	Lioconcha ornata	(Venus clam)
	DIVALVIA	VENEDOLDA	VENERIDAE	Periglypta reticulata	(Venus clam)
242 MOLLUSCA	BIVALVIA	raichola.	VENEDIDAR	Pirar hebraea	(Venus clam)
243 MOLLUSCA	BIVALVIA	VENEROLDA	TO THE STATE OF TH	Someone in a supplier	(Venus clam)
244 MOLLUSCA	BIVALVIA	VENEROIDA	VENERIUAE	California de quadranguini is	(30,000)
	BIVALVIA	VENEROIDA	VENERIDAE	l apes interatus	(Venus clanii)
	BIVALVIA	VENEROIDA	VENERIDAE	Tapes sulcarius	rurrowed venus
	BIVALVIA	VENEROIDA	VENERIDAE	Timoclea marica	(Venus clam)
	BIVAYVIA	VENEROIDA	VENERIDAE	Venus verrucosa	(Venus clam)
	DIVALVIA DB/A1 VIA	PHOT A DOMYOTDA	CLAVAGELLIDAE	Clavagella lata	(Watering pot)
	BIVALVEA		BAT ANTDAE	Balanus amphitrite	(Barnacle)
250 CRUSTACEA	CIRRIPEDIA	OCIONDA	DAT ANTINA D	Tetraclita sp	(Barnacle)
251 CRUSTACEA	CIRRIPEDIA	OCTOPODA	DALAMADAD	Design	(Shrimp)
252 CRUSTACEA	MALACOSTRACA	INFRA: CARIDAE	PALAEMONIDAE	renchmenes sp.	(Sming)
253 CRUSTACEA	MALACOSTRACA	INFRA: CARIDAE	PALAEMONIDAE	FALAEMOINDAE	(drimme)
	MALACOSTRACA	INFRA: CARIDAE	HIPPOLYTIDAE	Lysmata amboinensis	(Hump-backed shrimp)
	MALACOSTRACA	INFRA: CARIDAE	HIPPOLYTIDAE	Thor cf.amborinensis	(Hump-packed shrimp)
	MAN ACOSTE ACA	INFRA: CARIDAE	STENOPODIDAE	Stenopus hispidus	(Cleaner shrimp)
	ACA GT3COC TANK	INFRACABIDAE	PALINURIDAE	Panulirus pencillarus	(Spiny shrimp)
	ACAUTOCOLINA	INTED A - A NOMITRA	DIOGENIDAE	Calcines cf.gaimardii	(Spotted hermit crab)
	MALACOSTROCA	WITH A. AND MITH A	DIOGENIDAE	Calcines latens	(Spotted hermit crab)
259 CRUSTACEA	MALACUSINACA	MINOS PROPERTY A	DIOGENIDAE	Clibanarius corallinus	(Spotted hermit crab)
260 CRUSTACEA	MALACOSTRACA	MINERAL ANOMORA	DIOGENIDAE	Clibanarius striolatus	(Spotted hermit crab)
261 CRUSTACEA	MALACOSIKACA	INFKA: ANOMOKA	DOOL MAN	Product of sense of	(Spotted hermit crab)
262 CRUSTACEA	MALACOSTRACA	INFRA: ANOMURA	DIOGENIDAE	Landanus Craspeisus	(desp similar bander)
263 CRUSTACEA	MALACOSTRACA	INFRA: ANOMURA	DIOGENIDAE	Dardanus ci.pedunculatus	(Sponed nemni class)
	MALACOSTRACA	INFRA: ANOMURA	DIOGENIDAE	Diogenes senex	(Spotted hermit crab)
	MALACOSTRACA	INFRA: ANOMURA	DIOGENIDAE	Diogenes sp.	(Spotted hermit crab)
	A A SOOK TANK	NEP A: ANOMIRA	DIOGENIDAE	DIOGENIDAE	(Spotted hermit crab)
266 CKUSIACEA	ACATE COSTA	INED A. ANOMITO	COENORITIDAE	Coenbita scaevola	(Land hermit crab)
267 CRUSTACEA	MALACUSIKACA	LAFFAR ALVOINORS	POPCEL I ANIDAE	Petrolisthes sn	(Porcelain crab)
268 CRUSTACEA	MALACOSTRACA	INFRA: ANOMOKA	PORCELLA MADE	DPOMITO FE	(Sponge crab)
ATOM COLUMN	MATACOSTRACA	INFRA: BRACHYUKA	DKOMIDAE	Chambal	(
CAUCALOON 202				O-to-the banktion	(Row wah)

Appendix 11 (cont.). List of benthos specimens collected in the Biological Inventory Survey.

No. PHYLUM	CLASS	ORDER	FAMILY	SCIENTIFIC NAME	ENGLISH NAME
271 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	LEUCOSIIDAE(LEUCOSIINAE)	Leucosia anatum	(Pebble crab)
272 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	MAJIDAE	Menaethiops monoceros	(Spider crab)
273 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	MAJIDAE	Micippa cf.philya	(Spider crab)
274 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	MAJIDAE	MAJIDAE	(Spider crab)
275 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	PORTUNIDAE(PORTUNINAE)	Portunus pelagicus	(Swimming crab)
276 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	PORTUNIDAE(PORTUNINAE)	Portunus sp.	(Swimming crab)
277 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	PORTUNIDAE(PORTUNINAE)	Thalamita admete	(Swimming crab)
278 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	PORTUNIDAE(PORTUNINAE)	Thalamita crenata	(Swimming crab)
279 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	PORTUNIDAE(PORTUNINAE)	Thalamita prymna	(Swimming crab)
280 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	PORTUNIDAE(PORTUNINAE)	PORTUNIDAE	(Swimming crab)
281 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	PARTHENOPIDAE	Ceratocarcinus sp.	(Parthenopid)
282 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	PARTHENOPIDAE	Parthenope sp.	(Parthenopid)
283 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	XANTHIDAE	Chlorodiella nigra	(Dark fingered coral crab)
284 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	XANTHIDAE	Etisus electra	(Dark fingered coral crab)
285 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	XANTHIDAE	Etisus laevimanus	(Dark fingered coral crab)
286 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	XANTHIDAE	Pilodius areolatus	(Dark fingered coral crab)
287 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	XANTHIDAE(PILUMNINAE)	Pilumnus cf.scabriusculus	(Dark fingered coral crab)
288 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	XANTHIDAE(TRAPEZIINAE)	Tetralia glaberrima	(Dark fingered coral crab)
289 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	XANTHIDAE(TRAPEZIINAE)	Trapezia cymodoce	(Dark fingered coral crab)
290 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	PINNOTERIDAE	Pinnoteres sp.	(Pea crab)
291 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	OCYPODIDAE	Macrophthalmus cf.convexus	(Stalk-eyed crab)
292 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	OCYPODIDAE	Ocypode saratan	Ghost crab
293 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	OCYPODIDAE	Ocypode sp.	Ghost crab
294 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	OCYPODIDAE	Scopimera cf.globosa	(Stalk-eyed crab)
295 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	OCYPODIDAE	Uca cf.lactea perplexa	Fidder crab
296 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	OCYPODIDAE	Uca cf.tetragnon	Fidder crab
297 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	GRAPSIDAE	Grapsus albolineatus	(Shore-crab)
298 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	GRAPSIDAE	Grapsus tenuicrustatus	(Shore-crab)
299 CRUSTACEA	MALACOSTRACA	INFRA: BRACHYURA	GRAPSIDAE	Metopogropsus messor	(Shore-crab)
300 ECHINODERMATA	CRINOIDEA	unidentified	unidentified	CRINOIDEA	(Feather star)
	ASTEROIDEA	•	ASTROPECTINIDAE	Astropecten polyacanthus	(Comb star)
302 ECHINODERMATA	ASTEROIDEA	ı	OREASTERIDAE	Culcita novaeguineae	(Pin-cushion starfish)
303 ECHINODERMATA	ASTEROIDEA	•	OPHIDIASTERIDAE	Fromia milleporella	(Starfish)
304 ECHINODERMATA	ASTEROIDEA		OPHIDIASTERIDAE	Fromia sp.	(Starfish)
305 ECHINODERMATA	ASTEROIDEA	i	OPHIDIASTERIDAE	Gompphia egyptiaca	(Starfish)
306 ECHINODERMATA	ASTEROIDEA	i	OPHIDIASTERIDAE	Linckia multiflora	(Starfish)
307 ECHINODERMATA	ASTEROIDEA	i	ASTERINIDAE	Asterina burtoni	(Starfish)
308 ECHINODERMATA	ASTEROIDEA	Ī	ASTEROPIDAE	Asteropis carinifera	(Starfish)
309 ECHINODERMATA	ASTEROIDEA	i	ACANTHASTERIDAE	Acanthaster planci	(Crown of thorns starfish)
310 ECHINODERMATA	OPIURROIDEA	į	GORGONOCEPHALIDAE	Astroba nuda	(Basket-star)
311 ECHINODERMATA	OPIURROIDEA	ı	OPHIOCOMIDAE	Ophiocoma erinaceus	(Ophiocomid)
312 ECHINODERMATA	OPIURROIDEA	ı	OPHIOCOMIDAE	Ophiocoma scolopendrina	(Ophiocomid)
313 ECHINODERMATA	OPIURROIDEA		OPHIURIDAE	Ophiolepis cincta	(Ophiurid)
314 ECHINODERMATA	OPIURROIDEA	Ī	OPHIURIDAE	Ophiolepis superba	(Ophiurid)
315 ECHINODERMATA	ECHINOIDEA	•	CIDARIDAE	Eucidaris metularia	(Cidarid)

CALASE CALASE FAMILY SCH	30410	SPINER	FAMILY	SCIENTIFIC NAME	ENGLISH NAME
46. PHYLUM	CLASS	,	CIDARIDAE	Phyllacanthus imperialis	(Cidarid)
IS ECHINODERIMATA	COLUMNOSTORA		CIDARIDAE	Prionocidaris verticillata	(Cidarid)
317 ECHINODEKMAIA	DOTHINOIDEA TOTHINOIDEA		DIADEMATIDAE	Diadema setosum	(Diadematid)
318 ECHINODERMAIA	ECHINOIDEA	,	DIADEMATIDAE	Echinothrix diadenta	(Diadematid)
319 ECHINODERMATA	ECHINOIDEA		de diditi moto em	Solmonic of halli	(Tempooleurid)
320 ECHINODERMATA	ECHINOIDEA		LEMINOFLEURIDAE	Towns of over the	(Temponleurid)
21 ECHINODERMATA	ECHINOIDEA		LEMNOFLEONILAE	Tenniopied as occurrences	(Townsprenty)
22 ECHINODERMATA	ECHINOIDEA		TOXOPNEUSTIDAE	Inphensics grauna	(Loxophedane)
323 ECHINODERMATA	ECHINOIDEA		ECHINOMETRIDAE	Echinometra matinaei	(Ectinomicals)
324 FCHINODERMATA	ECHINOIDEA		ECHINOMETRIDAE	Heterocentrous mammillatus	(Echinometria)
	ECHINOIDEA	i	CLYPEASTERIDAE	Clypeaster cf.japonicus	(Clypeaster)
	FCHINOIDEA	ı	LAGANIDAE	Peronella lesueuri	(Laganid)
to EchiloDenation	ECHNOTOEA	,	LOVENIIDAE	Lovenia elongata	(Loveniid)
32/ ECHINODERMAIA	DOMINO DE A		SCHIZASTERIDAE	Schizaster lacunosus	(Schizasterid)
	ECHINOLDEA		, , , , , , , , , , , , , , , , , , , ,	ECHINOIDEA	(Brissid)
	FORMING THE PER		HOLOTHURIDAE	Actinopyga mauritiana	(Holothuriid)
	HOLOINOROIDE		HOLOTHIBIDAE	Holothuria atra	(Holothuriid)
331 ECHINODERMATA	HOLOIMUKOIDEA	' d'	A CITATION OF	Holothura edulis	(Holothuriid)
332 ECHINODERMATA	HOLOTHUROIDEA	· •	ACTION OF THE COLUMN TO A COLUMN THE COLUMN	Living lands of the	(Holothinid)
333 ECHINODERMATA	HOLOTHUROIDEA		HOLOTHURIDAE	Transfer action	(Holothurid)
334 ECHINODERMATA	HOLOTHUROIDEA	· ·	HOLOTHUKUIDAE	riologiana noonis	(Hotothunid)
335 ECHINODERMATA	HOLOTHUROIDEA		HOLOTHURIDAE	riotothura pardatis	(Figurialist)
	HOLOTHUROIDEA	4	HOLOTHURIDAE	Holothuria pervicax	(Holothurid)
220 COMMODENIA	HOLOTHIROIDEA	•	STICHOPODIDAE	Stichopus variegatus	(Stichopodid)
S) ECHINODERMATA	HOLOTHUROIDEA	' '**	CUCUMARIIDAE	Thelenota ananas	(Cucumariid)
330 ECHINODERMATA	HOLOTHUROIDEA	, ; 4	SYNAPTIDAE	Synapta maculata	(Synaptid)
339 ECHINODEANA	ASCIDIACEA		STYELIDAE	Polycarpa pigmentata(cf.)	(Sryelid)
40 CHONDAIN	TOTAL PORT			CA CREENING	(Committee)

Appendix 12. Locations of the inventory survey spots for the mangroves/coastal vgetation component.

ite No.	Spot No.	Latitude(N) Lo	ngitude (E)	Date	Method	Habitat
V 1	M93	291954	345738	19981014	flora	wadi (gentle slope)
V2	M102	283334	344807	19981015	flora	bottom of gorge
V3	M82	282222	344342	19980620	flora	pediment
V3	M81	282145	344341	19980620	quadrat	pediment
V4	M84	280660	343544	19980621	flora	alluvial sandy flat
V4	M83	280539	343651	19980621	quadrat	alluvial sandy flat
V5	M87	280234	351344	19980621	flora	sand beach near seashore
V5	M94	280233	351343	19981015	flora	mouth of wadi, sand beach
V5	M85	280224	351328	19980621	quadrat	sand beach near seashore
V5	M86	280221	351331	19980621	quadrat	sand beach near seashore
V6	M80	280133	351218	19980620	flora	alluvial sandy flat
					quadrat	alluvial sandy flat
V6	M79	280117	351219	19980620	-	-
V 7	M78	273529	353220	19980619	flora	alluvial sandy flat, mouth of wadi
V7	M76	273527	353211	19980619	quadrat	alluvial sandy flat, mouth of wadi
V7	M77	273447	353207	19980619	quadrat	alluvial sandy flat, mouth of wadi
V8	M73	272612	353619	19980618	quadrat	alluvial sandy flat, mouth of wadi
V8	M72	272611	353557	19980618	quadrat	shallow water along the shore, sheltered in
V8	M74	272554	353627	19980618	quadrat	alluvial sandy flat, mouth of wadi
V 8	M75	272548	353609	19980618	flora	alluvial sandy flat, mouth of wadi
V 9	M65	271022	354734	19980616	quadrat	shallow water along the shore
V9	M 66	271006	354731	19980616	quadrat	alluvial sandy flat
V9	M64	270837	354717	19980616	quadrat	sand beach near seashore
V 9	M63	270832	354725	19980616	quadrat	alluvial sandy flat
V 9	M62	270820	354729	19980616	quadrat	alluvial sandy flat, tidal mud
V 9	M92	270812	354742	19981013	flora	alluvial sandy flat
V 9	M67	270811	354741	19980616	flora	alluvial sandy flat
V10	M68	270758	354511	19980617	quadrat	sedimentary sand on coral rock, offshore island
V10	M 69	270741	354521	19980617	quadrat	sedimentary sand on coral rock, offshore island
V10	M71	270508	354839	19980617	flora	sedimentary sand on coral rock, offshore island
V 10	M70	270500	354643	19980617	quadrat	sand beach near seashore, offshore island
V11	M60	265425	360210	19980615	quadrat	
V11	M59	265417	360215	19980615		alluvial sandy flat
V11	M91	265417	360204	19981012	flora	alluvial sandy flat
V11	M58	265415	360157	19980615	quadrat	shallow water along the shore
V11	M61	265415	360208	19980615	flora	alluvial sandy flat
V11	M57	265414	360208	19980615	quadrat	alluvial sandy flat, tidal mud
V12	M89	263703	361433	19981011	quadrat	small pond besides cliff
V12	M90	263645	361409	19981011	flora	sedimentary sand in mouth of wadi, coral fossil hill, pond
V13	M52	263605	361530	19980614	quadrat	alluvial sandy flat, mouth of wadi
V13	M54	263604	361530	19980614	quadrat	alluvial sandy flat, mouth of wadi
			361520	19980614	flora	alluvial sandy flat, mouth of wadi
V13	M56	263603	361536		flora	alluvial sandy flat, mouth of wadi
V13	M88	263551		19981010		alluvial sandy flat, mouth of wadi
V13	M55	263544	361516	19980614	quadrat	
V14	M49	262249	362235	19980613	quadrat	
V14	M50	262248	362234	19980613	quadrat	alluvial sandy flat, mouth of wadi
V14	M51	262247	362234	19980613	quadrat	sand deposit beside coral fossil cliff
V14	M52	262246	362233	19980613	flora	alluvial sandy flat, mouth of wadi
V15	M47	260352	363553	19980609	quadrat	sedimentary sand slope to coral cliff
V15	M46	260340	363542	19980609	quadrat	sedimentary sand slope to coral cliff
V15	M48	260339	363545	19980609	flora	sedimentary sand slope to coral cliff
V16	M37	255749	364305	19980607	quadrat	wadi, alluvial sandy flat
V16	M39	255749	364230	19980607	quadrat	wadi, alluvial sandy flat, near sabkhah
. 10		, ,,			1	

Appendix 12 (cont.). Locations of the inventory survey spots for the mangroves/coastal vgetation component.

Site No.	Spot No.	I	.atitude(N)	Longitude (E)	Date	Method	Habitat
V16	M38		255745	364247	19980607	quadrat	wadi, alluvial sandy flat
V16	M40		255741	364326	19980607	quadrat	wadi, alluvial sandy flat
V16	M41		255733	364332	19980607	flora	wadi, alluvial sandy flat
V 17	M44		255033	364103	19980608	quadrat	alluvial sandy flat
V17	M45		255029	364104	19980608	ilora	alluvial sandy flat
V17	M43		255028	354057	19980608	quadrat	alluvial sandy flat
V17	M42		255021	364043	19980608	quadrat	alluvial sandy flat, tidal mud
V18	M95		253612	365752	19981017	quadrat	shallow water along the shore
V18	M96		253611	365753	19981017	flora	alluvial sandy flat
V 19	M35		252451	365326	19980531	quadrat	creek of alluvial sandy flat, offshore island
V19	M33		252346	365344	19980531	quadrat	alluvial sandy flat, offshore island
V 19	M34		252346	365343	19980531	quadrat	creek of alluvial sandy flat, offshore island
V19	M36		252340	365351	19980531	flora	sandy flat of offshore island
V20	M25		250707	371550	19980529		•
V20	M23		250707			quadrat	alluvial sandy flat
V20 V20	M24		250706	371554 371552	19980529 19980529	quadrat	alluvial sandy flat
V20	M101		250705	371554	19980329	quadrat	alluvial sandy flat
V20	M101		250705	371554	19981020	flora	alluvial sandy flat
V20	M26		250703	371553	19980529	flora	alluvial sandy flat
V20	M27				19980529	quadrat	alluvial sandy flat
V20 V20	M28		250700 250643	371551 371557		quadrat	alluvial sandy flat
¥20	14170		230043	3/133/	19980529	quadrat	alluvial sandy flat
V21	M31		245732	370528	19980530	quadrat	wadi, sedimentary sand on coral rock, offshore island
V21	M32		245725	370530	19980530	flora	coral rocks mountain of offshore island
V21	M30		245720	370532	19980530	quadrat	sand beach near seashore
V22	M21		244813	371049	19980528	quadrat	creek of alluvial sandy flat
V22	M19		244738	371029	19980528	quadrat	sedimentary sand on terrace of coral fossil
V22	M22		244736	371029	19980528	flora	alluvial sandy flat
V22	M20		242748	371034	19980528	quadrat	alluvial sandy flat
V23	M16		241731	373807	19980526	quadrat	sedimentary sand on terrace of coral fossil
V23	M17		241731	373808	19980526	quadrat	sedimentary sand on terrace of coral fossil
V23	M15		241728	373802	19980526	quadrat	sedimentary sand on terrace of coral fossil
V23	M14		241721	373808	19980526	quadrat	sand deposit beside coral fossil cliff
V23	M18		241717	373809	19980526	flora	sedimentary sand on terrace of coral fossil
V24	M100		235537	381744	19981020	flora	alluvial sandy flat with shallow water
V25	M12		230447	384849	19980525	quadrat	alluvial sandy flat
V25	M13		230438	384045	19980525	flora	alluvial sandy flat
V25	M7		230438	384852	19980525	quadrat	alluvial sandy flat
V25	M8		230438	384858	19980525	quadrat	alluvial sandy flat
V25	M99		230438	384044	19981019	flora	alluvial sandy flat
V25	M6		230437	384043	19980525	quadrat	shallow water along the shore
V25	M9		230436	384907	19980525	quadrat	alluvial sandy flat
V25	M10		230429	384907	19980525	quadrat	alluvial sandy flat
V25	M11		230426	384843	19980525	quadrat	shallow water along the shore
V26	M4		224643	390059	19980524	quadrat	alluvial sandy flat
V26	M3		224634	390030	19980524	quadrat	alluvial sandy flat
V26	M 98		224626	385839	19981018	flora	alluvial sandy flat
V26	M 1		224623	385840	19980524	quadrat	· · · · · · · · · · · · · · · · · · ·
V26	M2		224623	385848	19980524	quadrat	alluvial sandy flat
V26	M5	٠.	224623	385841	19980524	flora	alluvial sandy flat
V26	M97		224623	385840	19981018	quadrat	alluvial sandy flat
V27	M103	Start	275836	351308	19980210	flora	Al Khuraybah - Marsa Zubaydah
V27	M103	End	265507	360918	19980213		
V28	M104	Start	253561	361498	19980215	flora	Ra's ad Dubbah - Wadi Marakh
V28	M104	End	251627	370856	19980220		The state of the s
V29	M105	Start	250700	371600	19980220	flora	Umluj - Masturah
V29	M105	End	230656	384859	19980223		

Appendix 13. List of mangroves / coastal Vegetation specimens collected in the Biological Inventory Survey.

Sample code	Family No.	Family name	Species No.	Scientific name	Sampling date	Site No.	Spot No.	Latitude	Longitud
CV0001S	1	EPHEDRACEAE	1	Ephedra alata	19980618	V16	M75	272548	353609
CV0002S	2	MENISPERMACEAE	2	Cocculus pendulus	19980613	V11	M52	260351	363553
CV0001J	2	MENISPERMACEAE	2	Cocculus pendulus	19980613	V11	M52	260351	363553
CV0003S	2	MENISPERMACEAE	2	Cocculus pendulus	19980619	V17	M78	273446	353206
CV0002J	2	MENISPERMACEAE	2	Cocculus pendulus	19980619	V17	M78	273446	353206
CV0004S	3	CAPPARACEAE	3	Cadaba farinosa	19981011	V22	M90	263645	361409
CV0005S	3	CAPPARACEAE	3	Cadaba farinosa	19980614	V12	M56	263604	361530
CV0006S	3	CAPPARACEAE	4	Cadaba glandulosa		V6 :	M32	245741	370547
CV0003J	3	CAPPARACEAE	4	Cadaba glandulosa		V6	M32	245741	370547
CV0007S	3	CAPPARACEAE	5	Capparis cartilaginea		V27		265507	360918
CV0008S	3	CAPPARACEAE	5	Capparis cartilaginea		V6	M32	245741	370547
CV0004J	3	CAPPARACEAE	5	Capparis cartilaginea		V6	M32	245741	370547
CV0009S	3	CAPPARACEAE	5	Capparis cartilaginea		V19	M82	282145	344341
CV00053	3	CAPPARACEAE	5	Capparis cartilaginea		V19	M82	282145	344341
CV0010S	3	CAPPARACEAE	6	Capparis decidua	19981011	V22	M90	263645	361409
CV00103	3	CAPPARACEAE	6		19981011	V22	M90	263645	361409
				Capparis decidua					
CV0011S	3	CAPPARACEAE	. 6	Capparis decidua		V12	M56	263603	361529
CV0007J	3	CAPPARACEAE	6	Capparis decidua		V12	M56	263603	361529
CV0012S	3	CAPPARACEAE	7	Cleome brachycarpa	19981011	V22	M90	263645	361409
CV0008J	3	CAPPARACEAE	7	Cleome brachycarpa	19981011	V22	M90	263645	361409
CV0013S	. 3	CAPPARACEAE	8	Cleome droserifolia		V29		250700	371600
CV00091	3	CAPPARACEAE	8	Cleome droserifolia	19980220	V29		250700	371600
CV0014S	3	CAPPARACEAE	8	Cleome droserifolia	19980620	V19	M82	282145	344341
CV0015S	3	CAPPARACEAE	9	Dipterygium glaucum	19981018	V1	M98	224626	385839
CV0010J	3	CAPPARACEAE	9	Dipterygium glaucum	19981018	V 1	M98	224626	385839
CV0016S	3	CAPPARACEAE	9	Dipterygium glaucum	19980220	V29	M105	250700	371600
CV0011J	3 -	CAPPARACEAE	9	Dipterygium glaucum	19980220	V29	M105	250700	371600
CV0017S	3	CAPPARACEAE	9	Dipterygium glaucum	19980529	V5	M28	250672	371597
CV0012J	3	CAPPARACEAE	9	Dipterygium glaucum	19980529	V5	M28	250672	371597
CV0018S	4	CRUCIFERAE	10	Farsetia ramosissima	19980609	V10	M46	260348	363536
CV0013J	4	CRUCIFERAE	10	Farsetia ramosissima	19980609	V10	M46	260348	363536
CV0019S	4	CRUCIFERAE	11	Morettia parviflora	19981010	V12	M88	263551	361536
CV0020S	5	RESEDACEAE	13	Caylusea hexagya	19980619	V17	M78	273534	353208
CV0021S	5	RESEDACEAE	14	Ochradenus baccatus	19980212	V27	M103	273529	353220
CV0014J	5	RESEDACEAE	14	Ochradenus baccatus	19980212	V27	M103	273529	353220
CV0022S	5	RESEDACEAE	14	Ochradenus baccatus	19980215	V28	M104	261820	362422
CV0015J	5	RESEDACEAE	14	Ochradenus baccatus	19980215	V28	M104	261820	362422
CV0023S	5	RESEDACEAE	14	Ochradenus baccatus	19980613	V 11	M52	262246	362233
CV0016J	5	RESEDACEAE	14	Ochradenus baccatus	19980613	V11	M52	262246	362233
CV0017J	5	RESEDACEAE	15	Reseda muricata		V6	M31	245753	370547
CV0024S	5	RESEDACEAE	. 15	Reseda muricata?		V6	M31	245753	370547
CV0025S	5	RESEDACEAE	15	Reseda sp.		V27		273529	353220
CV0026S	5	RESEDACEAE	15	Reseda sp.		V29		250700	371600
CV00203	5	RESEDACEAE	15	RESEDACEAE sp.		V27		265507	360918
CV00275	6	TAMARICACEAE	16	Tamarix aphylla		V8	M40		354326
		TAMARICACEAE	16	Tamarix aphylla		V8 -		255741	354326
CV0018J	- 6							255931	364252
CV0029S	6	TAMARICACEAE	17	Tamarix aucheriana	the state of the s	V28		255931	
CV0019J	6	TAMARICACEAE	17	Tamarix aucheriana	the state of the s	V28			364252
CV0030S	6	TAMARICACEAE	18	Tamarix nilotica		V2	M99	230438	384044
CV0020J	6	TAMARICACEAE	18	Tamarix nilotica		V2	M99	230438	384044
CV0031S	6	TAMARICACEAE	18	Tamarix nilotica		V8 .	M40	255741	354326
CV0032S	6	TAMARICACEAE **	18	Tamarix nilotica		V8	M41	255748	364300
CV0021J	. 6	TAMARICACEAE	18	Tamarix nilotica	19980607	V8		255748	364300
CV0022J	6	TAMARICACEAE	18	Tamarix sp.	19980210	V27	M103	274034	352843
CV0033S	6	TAMARICACEAE	18	Tamarix sp.	19980210	V27	M103	274034	352843

Appendix 13 (cont.). List of mangroves / coastal Vegetation specimens collected in the Biological Inventory Survey.

Sample code	Family No.	Family name	Species No.	Scientific name	Sampling date	Site No.	Spot No.	Latitude	Longitu
CV0034S	6	TAMARICACEAE	18	Tamarix sp.	19980210	V27	M103	274034	352843
CV0035S	6	TAMARICACEAE	18	Tamarix sp.	19980220	V 29	M105	250700	371600
CV0036S	7	CUCURBITACEAE	19	Citrullus coloc ynthis	19980212	V27	M103	272548	353609
CV0023J	7	CUCURBITACEAE	19	Citrullus coloc ynthis	19980212	V27	M103	272548	353609
CV0037S	7	CUCURBITACEAE	20	Citrullus lanatus	19980609	V10	M47	260352	363553
CV0024J	7	CUCURBITACEAE	20	Citrullus lanatus	19980609	V10	M47	260352	363553
CV0038S	7	CUCURBITACEAE	21	Cucumis prophetarum	19980614	V12	M56	263603	361529
CV0025J	7	CUCURBITACEAE	21	Cucumis prophetarum	19980614	V12	M56	263603	361529
CV0039S	8	TILIACEAE	22	Grewia erythraea	19980614	V12	M56	263603	361529
CV0026J	8	TILIACEAE	22	Grewia erythraea	19980614	V12	M56	263603	361529
CV0040S	8	TILIACEAE	23	Grewia sp.	19981011	V22	M90	263645	361409
CV0027J	8	TILIACEAE	23	Grewia sp.	19981011	V22	M90	263645	361409
CV0027J	9	GERANIACEAE	24	Erodium sp.	19980212	V27		273529	353220
	9	GERANIACEAE	25	Monsonia nivea	19980212	V27		273529	35322
CV0029J		•	25 25	Monsonia nivea	19980529	V5	M29	244021	27108
CV0041S	9	GERANIACEAE	25 25	Monsonia sp.	19980329	V27		273529	35322
CV0042S	9	GERANIACEAE		-	19980212	V27		273529	35322
CV0043S	9	GERANIACEAE	25	Monsonia sp.				261700	
CV0044S	10	ZYGOPHYLLACEAE	26	Fagonia boveana	19980215	V28			36203
CV0045S	10	ZYGOPHYLLACEAE	26	Fagonia boveana	19980619	V17	M78	273534	35320
CV0046S	10	ZYGOPHYLLACEAE	26	Fagonia boveans	19980620	V18	M80	280130	35122
CV0047S	10	ZYGOPHYLLACEAE	27	Fagonia bruguieri	19980210	V27		275836	35130
CV0030J	- 10	ZYGOPHYLLACEAE	27	Fagonia bruguieri	19980210	V27		275836	35130
CV0048S	10	ZYGOPHYLLACEAE	27	Fagonia bruguieri	19980213	V27		265507	36091
CV0031J	10	ZYGOPHYLLACEAE	27	Fagonia bruguieri	19980213	V27		265507	36091
CV0049S	10	ZYGOPHYLLACEAE	27	Fagonia bruguieri	19980615	V13	M61	265317	36021
CV0032J	10	ZYGOPHYLLACEAE	27	Fagonia bruguieri	19980615	V13	M61	265317	36021
CV0050S	10	ZYGOPHYLLACEAE	27	Fagonia bruguieri	19980619	V17	M78	273529	35322
CV0051S	10	ZYGOPHYLLACEAE	27	Fagonia bruguieri	19980621	V21	M87	280234	35134
CV0033J	10	ZYGOPHYLLACEAE	28	Fagonia sp.	19980213	V27		265507	36091
CV0052S	10	ZYGOPHYLLACEAE	28	Fagonia sp.	19981014	V23	M93	291954	34573
CV0053S	10	ZYGOPHYLLACEAE	28	Fagonia sp.	19980213	V27	M103	265507	36091
CV0054S	10	ZYGOPHYLLACEAE	29	Seetzenia lanata	19980620	V 18	M80	280130	35122
CV0055S	10	ZYGOPHYLLACEAE	30	Zygophyllum album	19981014	V23	M93	291954	34573
CV0034J	10	ZYGOPHYLLACEAE	30	Zygophyllum album	19990222	-	-	253857	36562
CV0056S	10	ZYGOPHYLLACEAE	30	Zygophyllum album	19980216	V28	M104	1 255931	36425
CV0057S	10	ZYGOPHYLLACEAE	30	Zygophyllum album	19980524	V1	M5	224623	38584
CV0035J	10	ZYGOPHYLLACEAE	31	Zygophyllum boulosii	19990222	-	-	253857	36562
CV0036J	10	ZYGOPHYLLACEAE	31	Zygophyllum boulosii	19990222	-	÷ :	253857	36562
CV0037J	10	ZYGOPHYLLACEAE	31	Zygophyllum boulosii	19990222			253857	36562
CV0058S	10	ZYGOPHYLLACEAE	31	Zygophyllum boulosii	19980210	V27	M103	3 274034	35284
CV0059S	10	ZYGOPHYLLACEAE	32	Zygophyllum decumbens	19980210	V27	M103	3 273529	35322
CV0060S		ZYGOPHÝLLACEAE	32	Zygophyllum decumbens	19980219	V28	M10	4 253300	36520
CV0061S	10	ZYGOPHYLLACEAE	32	Zygophyllum decumbens	19980530	V 6		245753	37054
CV0062S		ZYGOPHYLLACEAE	33	Zygophyllum simplex	19980215	V28		4 263561	36149
CV0038J		ZYGOPHYLLACEAE	33	Zygophyllum simplex	19980215	V28		4 263561	36149
CV0063S		ZYGOPHYLLACEAE	33	Zygophyllum simplex	19980524	V1	M5	224623	38584
CV0039J	10	ZYGOPHYLLACEAE	33	Zygophyllum simplex	19980524	V1	M5	224623	38584
CV0040J		ZYGOPHYLLACEAE		Zygophyllum simplex	19980525	V2	M10		3849
CV00403		ZYGOPHYLLACEAE		Zygophyllum simplex	19980617	V15	M71		3545
CV00048		ZYGOPHYLLACEAE		Zygophyllum simplex.	19980017	V13		270737 3 275836	
					19980210	V27 V27			
CV0041J		ZYGOPHYLLACEAE		Zygophyllum simplex.				3 275836 3 272549	
CV00668		NITRARIACEAE	35	Nitraria retusa	19980212	V27		3 272548 3 272549	
CV0042J		NITRARIACEAE	. 35	Nitraria retusa	19980212	V27		3 272548	
CV00678		NITRARIACEAE	35	Nitraria retusa	19980216	V28		4 260817	
CV0043J	11	NITRARIACEAE	35	Nitraria retusa	19980216	V28	M10	4 260817	3629

Appendix 13 (cont.). List of mangroves / coastal Vegetation specimens collected in the Biological Inventory Survey.

CV00005 2 EUPHORBIACEAE 37	Samp	ole code	Family No.	Family name	Species No.	Scientific name	Sampling date	Site No.	Spot No.	Latitude	Longitude
CV0070S 12 EUPHORBIACEAE 37 Chrozophora obbougifolia 19980218 V28 M104 251027 3 CV0041 12 EUPHORBIACEAE 38 Euphorbia granulata 19980213 V27 M103 265507 3 CV00451 12 EUPHORBIACEAE 38 Euphorbia granulata 19980213 V27 M103 265507 3 CV0072S 12 EUPHORBIACEAE 38 Euphorbia granulata 19980213 V27 M103 265507 3 CV0767S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980218 V28 M104 251627 3 CV0074S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980218 V28 M104 251627 3 CV0074S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV00464 12 EUPHORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACEAE 40 Euphorbia retusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACEAE 41 Ricius communis 19980520 V5 M102 244021 2 CV0077S 12 EUPHORBIACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV0077S 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV0077S 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV0078S 13 POLYGALACEAE 44 Salvadora persica 19980121 V27 M103 273529 3 CV0081S 14 SALVADORACEAE 45 Salvadora persica 19980121 V27 M103 273529 3 CV0081S 14 SALVADORACEAE 45 Salvadora persica 1998013 V11 M52 200351 3 CV0088S 16 URTICACEAE 46 Forsakaolea tenacissimu 1998013 V11 M52 260361 3 CV0088S 16 URTICACEAE 46 Forsakaolea tenacissimu 1998013 V27 M103 273529 3 CV0081S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980120 V27 M103 273529 3 CV009S1 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980121 V27 M103 273529 3 CV009S1 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980121 V27 M103 273529 3 CV009S1 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980120 V12 M104 263536 3 CV009S1 18 CARYOPHYLLACEAE 50 Polycarpaea repens 1998010 V11 M72 273534 3 CV009S1 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980120 V12 M104 263536 3 CV009S1 18 CARYOPHYLLACEAE 50 Polycarpaea repons 19980610 V11 M42 263536 3 CV009S1 18 CARYOPHYLLACEAE 51 Polycarpaea repolabriea 1998021 V28 M104 263536 3 CV0	CVC	068S	11	NITRARIACEAE	35	Nitraria retusa	19980609	V10	M48	260340	363542
CV0004IJ 12 EUPHORBIACEAE 38 Euphorbia granulata 19980213 V27 M103 26507 3 CV000751 12 EUPHORBIACEAE 38 Euphorbia granulata 19980213 V27 M103 26507 3 CV000752 12 EUPHORBIACEAE 38 Euphorbia granulata 19980213 V27 M103 26507 3 CV00761 12 EUPHORBIACEAE 38 Euphorbia granulata 19980213 V27 M103 26507 3 CV00761 12 EUPHORBIACEAE 39 Euphorbia granulata 19980213 V27 M103 26507 3 CV00764 12 EUPHORBIACEAE 39 Euphorbia retusa 19980213 V27 M103 265023 3 CV00764 12 EUPHORBIACEAE 39 Euphorbia retusa 1998020 V18 M80 280130 3 CV00768 12 EUPHORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV00768 12 EUPHORBIACEAE 40 Euphorbia scordifolia 19980620 V18 M80 280130 3 CV00776 12 EUPHORBIACEAE 40 Euphorbia scordifolia 19980620 V18 M80 280130 3 CV00778 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV00778 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV00781 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV0081 14 SALVADORACEAE 44 Salvadora persica 1998021 V5 M29 244021 CV00881 14 SALVADORACEAE 44 Salvadora persica 1998021 V5 M29 244021 CV00881 14 SALVADORACEAE 44 Salvadora persica 1998021 V7 M103 273529 3 CV00828 16 URTICACEAE 46 Forsskaolae tenacissima 1998011 V23 M93 291954 3 CV00828 16 URTICACEAE 46 Forsskaolae tenacissima 1998021 V7 M103 273529 3 CV00828 16 URTICACEAE 46 Forsskaolae tenacissima 1998021 V7 M103 273529 3 CV00881 16 URTICACEAE 46 Forsskaolae tenacissima 1998021 V28 M104 263503 6 URTICACEAE 46 Forsskaolae tenacissima 1998021 V28 M104 263503 6 URTICACEAE 47 Parietaria adistinifica 19980215 V28 M104 263503 6 URTICACEAE 48 Aicon cannariense 1998021 V28 M104 263503 6 URTICACEAE 48 Aicon cannariense 19980215 V28 M104 263503 6 URTICACEAE 49 Gyposphila capitlaris 19980215 V28 M104 263503 6 URTICACEAE 48 Aicon cannariense 1998021 V27 M103 273529 3 CV00981 18 CARYOPHYLLACEAE 50 Polycarpeae repens 19980608 V9 M45 250020 18 CARYOPHYLLACEAE 50 Polycarpeae repens 19980608 V9 M45 250020 18 CARYOPHYLLACEAE 50 Polycarpeae repons 19980609 V10 M45 250020 19 M20 2000 V10 M20 2000 V10 M20 2000 V10	CVC)069S	12	EUPHORBIACEAE	36	Andrachne aspera var. glandulosa	19981012	V13	M91	265417	360204
CV00471S 12 EUPHIORBIACEAE 38 Euphorbia granulata 19980213 V27 MI03 265507 3 CV00475 12 EUPHIORBIACEAE 38 Euphorbia granulata 19980608 V9 M45 255029 3 CV00478 12 EUPHIORBIACEAE 39 Euphorbia retusa 19980213 V27 MI03 270823 3 CV00748 12 EUPHIORBIACEAE 39 Euphorbia retusa 19980612 V28 MI104 251627 3 CV00755 12 EUPHIORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV00461 12 EUPHIORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV00768 12 EUPHIORBIACEAE 40 Euphorbia scordifolia 1998030 V5 M101 2510705 3 CV00778 12 EUPHIORBIACEAE 40 Euphorbia scordifolia 19981030 V5 M101 2510705 3 CV00778 13 POLYGALACEAE 41 Ricinus communis 19980520 V5 M29 244021 2 CV00788 13 POLYGALACEAE 43 Polygafa sp. 19980520 V5 M29 244021 2 CV00808 14 SALVADORACEAE 44 Salvadora persica 19980212 V27 M103 273529 3 CV00818 14 SALVADORACEAE 44 Salvadora persica 19980212 V27 M103 273529 3 CV00818 14 SALVADORACEAE 44 Salvadora persica 19980212 V27 M103 273529 3 CV00818 14 SALVADORACEAE 45 Salvadora persica 19980212 V27 M103 273529 3 CV00828 16 URTICACEAE 45 Zitiphus spina-christi 19981014 V23 M93 291954 3 CV00838 16 URTICACEAE 46 Forsskaolea tenacissima 1998021 V28 M104 260351 3 CV00888 16 URTICACEAE 46 Forsskaolea tenacissima 1998021 V28 M104 260360 3 CV00888 16 URTICACEAE 46 Forsskaolea tenacissima 1998021 V28 M104 260360 3 CV00888 17 AIZOACEAE 48 Aizoon canariense 1998021 V28 M104 261700 3 CV00988 17 AIZOACEAE 48 Aizoon canariense 1998021 V28 M104 261700 3 CV00988 18 CARYOPHYLLACEAE 50 Polycarpaea repens 1998020 V19 M82 282145 3 CV00988 18 CARYOPHYLLACEAE 50 Polycarpaea repens 1998020 V19 M82 282145 3 CV00988 18 CARYOPHYLLACEAE 50 Polycarpaea repens 1998020 V19 M82 282145 3 CV00981 18 CARYOPHYLLACEAE 50 Polycarpaea repens 1998060 V10 M48 260340 3 CV00981 18 CARYOPHYLLACEAE 50 Polycarpaea repens 1998060 V10 M48 260340 3 CV00981 18 CARYOPHYLLACEAE 50 Polycarpaea repens 1998060 V10 M48 260340 3 CV00981 18 CARYOPHYLLACEAE 50 Polycarpaea repens 1998060 V10 M48 260330 3 CV00951 18 CARYOPHYLLACEAE 51 Polycarpaea repolativea 1998060 V10 M49	CVC	0070S	12	EUPHORBIACEAE	37	Chrozophora oblongifolia	19980218	V28	M104	251627	370856
CV0074S 12 EUPHORBIACEAE 38 Exphorbin granulata 19980613 V27 MI03 275829 3 CV0074S 12 EUPHORBIACEAE 39 Exphorbin granulata 19980613 V27 MI03 275823 3 CV0074S 12 EUPHORBIACEAE 39 Exphorbin retusa 19980213 V27 MI03 270823 3 CV0074S 12 EUPHORBIACEAE 39 Exphorbia retusa 1998020 V18 M80 280130 3 CV0076S 12 EUPHORBIACEAE 39 Exphorbia retusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACEAE 40 Exphorbia serusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACEAE 41 Exphorbia seordifolia 19981020 V5 M101 250705 3 CV0077S 12 EUPHORBIACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV0077S 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV0077S 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV00881 14 SALVADORACEAE 44 Salvadora persica 1998021 V27 M103 273529 3 CV0081S 14 SALVADORACEAE 44 Salvadora persica 1998021 V27 M103 273529 3 CV0081S 14 SALVADORACEAE 44 Salvadora persica 19980613 V11 M52 260351 3 FIRAMNACEAE 45 Ziziphus spina-christi 19981014 V23 M93 291954 3 CV00881 16 URTICACEAE 45 Forsskaolea tenacissimu 19980114 V23 M93 291954 3 CV00881 16 URTICACEAE 46 Forsskaolea tenacissimu 19980114 V23 M93 291954 3 CV00885 16 URTICACEAE 46 Forsskaolea tenacissimu 19980114 V21 M103 275529 3 CV00885 17 AIZOACEAE 48 Aizona canariense 19980215 V28 M104 261700 3 CV00885 17 AIZOACEAE 48 Aizona canariense 19980215 V28 M104 261700 3 CV00885 17 AIZOACEAE 48 Aizona canariense 19980210 V27 M103 273529 3 CV00911 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980210 V27 M103 273529 3 CV00911 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980610 V19 M82 282145 3 CV00951 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980610 V19 M82 282145 3 CV00951 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980610 V19 M82 28313 3 CV00951 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980610 V19 M82 28313 CV00951 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980610 V19 M82 28313 3 CV00951 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980610 V19 M82 28313 3 CV00951 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980610 V19 M82 28313 3 CV00051 18 CARYOPHYLLACEAE 51 Pol	CV0)()44J	12	EUPHORBIACEAE	37	Chrozophora oblongifolia	19980218	V28	M104	251627	370856
CV0072S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980618 V2 M103 270823 3 CV0074S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980621 V28 M104 251627 3 CV0076S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV0066 12 EUPHORBIACEAE 40 Euphorbia retusa 19980620 V18 M80 280130 3 CV0077S 12 EUPHORBIACEAE 40 Euphorbia retusa 19980620 V18 M80 280130 3 CV0077S 12 EUPHORBIACEAE 40 Euphorbia scordifolia 19981020 V5 M101 250705 3 CV0077S 13 POLYGALACEAE 41 Riciuss communis 19980529 V5 M29 244021 2 CV0077S 13 POLYGALACEAE 43 Polygala sp. 19980529 V5 M29 244021 2 CV007S 13 POLYGALACEAE 43 Polygala sp. 19980529 V5 M29 244021 2 CV0047S 14 SALVADORACEAE 44 Salvadora persica 19980521 V7 M103 273529 3 CV008S 14 SALVADORACEAE 44 Salvadora persica 19980121 V27 M103 273529 3 CV008S 15 RILAMNACEAE 45 Zitiphus spina-christi 19981014 V23 M93 291954 3 CV008S 15 RILAMNACEAE 45 Zitiphus spina-christi 19981014 V23 M93 291954 3 CV008S 16 URTICACEAE 46 Forsskaolea tenacissima 19980215 V28 M104 265303 3 CV008SS 16 URTICACEAE 46 Forsskaolea tenacissima 19980215 V28 M104 265303 3 CV008SS 16 URTICACEAE 47 Parietaria alsinifolia 19980121 V27 M103 273529 3 CV008SS 16 URTICACEAE 48 Airoon camariense 19980215 V28 M104 263500 3 CV008SS 16 URTICACEAE 47 Parietaria alsinifolia 19980215 V28 M104 263500 3 CV008SS 16 URTICACEAE 48 Airoon camariense 19980215 V28 M104 263500 3 CV008SS 16 URTICACEAE 49 Gypsophila capitlaris 19980112 V27 M103 273529 3 CV009SS 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V9 M45 255029 3 CV009SS 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V17 M78 273534 3 CV009SS 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 255020 3 CV009SS 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M47 20348 3 CV009SS 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M47 263536 3 CV000SS 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M47 263536 3 CV000SS 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M47 263536 3 CV000SS 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M47 263536 3 CV000SS 18 C	CVC	071S	12	EUPHORBIACEAE	38	Euphorbia granulata	19980213	V27	M103	265507	360918
CV0074S 12 EUPHORBIACIAE 39 Euphorbia retusa 19980218 V22 M104 251627 3 CV0074S 12 EUPHORBIACIAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV0046 12 EUPHORBIACIAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACIAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACIAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACIAE 41 Euphorbia retusa 19980620 V18 M80 280130 3 CV00775 12 EUPHORBIACIAE 41 Euphorbia retusa 19980520 V5 M29 244021 2 CV00778 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV00778 13 POLYGALACEAE 44 Polygala sp. 19980520 V5 M29 244021 2 CV00781 14 SALVADORACEAE 44 Salvadora persica 19980212 V27 M103 273529 3 CV0081 14 SALVADORACEAE 44 Salvadora persica 1998012 V27 M103 273529 3 CV0081 14 SALVADORACEAE 44 Salvadora persica 1998013 V11 M52 26037 CV0081 15 RIAMMACEAE 45 Ziziphas spina-chrisi 19981014 V23 M93 291954 3 CV00881 16 URTICACEAE 46 Forsskaolea tenacissima 19980211 V27 M104 265350 3 CV00885 16 URTICACEAE 46 Forsskaolea tenacissima 19980215 V28 M104 265303 3 CV00885 16 URTICACEAE 46 Forsskaolea tenacissima 19980215 V28 M104 265300 3 CV00888 17 AZOACEAE 48 Aizon canariense 19980215 V28 M104 265300 3 CV00888 17 AIZOACEAE 48 Aizon canariense 19980215 V28 M104 265300 3 CV00885 17 AIZOACEAE 48 Aizon canariense 19980215 V28 M104 265300 3 CV00885 17 AIZOACEAE 48 Aizon canariense 19980215 V28 M104 265300 3 CV00898 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980212 V27 M103 273529 3 CV0091 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980210 V19 M82 283130 CV00958 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980210 V19 M82 283130 CV00958 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980210 V19 M82 283130 CV00958 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980610 V10 M48 260340 3 CV00958 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980610 V10 M48 260340 3 CV00958 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980610 V10 M48 260340 3 CV00958 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980610 V10 M48 260340 3 CV00958 18 CARYOPHYLLACEAE 51 Polycarpaea re	CVC)045J	12	EUPHORBIACEAE	38	Euphorbia granulata	19980213	V27	M103	265507	360918
CV0074S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980628 V18 M80 280130 3 CV0076S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV0076S 12 EUPHORBIACEAE 40 Euphorbia scordifola 19981020 V5 M10 250705 A CV0077S 12 EUPHORBIACEAE 41 Ricinus communis 19980520 V5 M10 250705 CV0078S 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M29 244021 2 CV008B 14 SALVADORACEAE 44 Salvadora persica 19980212 V27 M103 273529 3 CV008B 14 SALVADORACEAE 45 Salvadora persica 19980212 V27 M103 273529 3 CV008S 15 RIHAMNACEAE 45 Ziziphus spina-christi 19980114 V23 M93 291954	CVC)072S	12	EUPHORBIACEAE	38	Euphorbia granulata	19980608	V 9	M45	255029	364104
CV0076S 12 EUPHORBIACEAE 39 Euphorbia retusa 19980620 V18 M80 280130 3 CV00766 12 EUPHORBIACEAE 49 Euphorbia retusa 19980620 V18 M80 280130 3 CV00775 12 EUPHORBIACEAE 41 Ricinus communis 19980520 V5 M20 240021 2 CV00778 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M20 240021 2 CV00795 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M20 240021 2 CV00471 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M20 240021 2 CV00471 13 POLYGALACEAE 43 Polygala sp. 19980520 V5 M20 240021 2 CV00481 14 SALVADORACEAE 44 Salvadora persica 19980212 V27 M103 273520 3 CV0081 14 SALVADORACEAE 44 Salvadora persica 19980613 V11 M52 26031 CV00815 15 RHAMMACEAE 45 Ziziphus spina-christi 19981014 V23 M93 291954 3 CV00828 16 URTICACEAE 45 Ziziphus spina-christi 19981014 V23 M93 291954 3 CV00885 16 URTICACEAE 46 Forsskaolea tenacissima 19980215 V28 M104 263536 3 CV00885 16 URTICACEAE 46 Forsskaolea tenacissima 19980215 V28 M104 263536 3 CV00885 16 URTICACEAE 46 Forsskaolea tenacissima 19980215 V28 M104 263536 3 CV00885 16 URTICACEAE 46 Forsskaolea tenacissima 19980215 V28 M104 263536 3 CV00885 17 AIZOACEAE 48 Aizoon canariense 19980215 V28 M104 263536 3 CV00885 17 AIZOACEAE 48 Aizoon canariense 19980215 V28 M104 263503 CV00885 17 AIZOACEAE 48 Aizoon canariense 19980215 V28 M104 263503 CV00985 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980202 V27 M103 273529 3 CV0091 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV00985 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV0095 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV0095 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV0095 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV0095 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M48 260340 3 CV0095 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M48 260340 3 CV0095 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M48 260330 3 CV0095 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M48 260330 3 CV0095 18 CARYOPHYLLACEAE 51 Polyca	CVC	0073S	12	EUPHORBIACEAE	39	Euphorbia retusa	19980213	V27	M103	270823	354754
CV0046i 12. BUPHIORBIACEAE 39. Euphorbia retuse 1998020 V18. M80 280130 35. CV00776S 12. EUPHIORBIACEAE 40. Euphorbia seordifolia 19981020 V5. M101 250705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 705 30. 70	CVC	0074S	12	EUPHORBIACEAE	39	Euphorbia retusa	19980218	V28	M104	251627	370856
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CV00778 12 EUPHORBIACEAE 41 Ricinus communis 19980529 V5 M29 244021 2 CV00788 13 POLYGALACEAE 43 Polygala sp. 19980529 V5 M29 244021 2 CV00471 13 POLYGALACEAE 43 Polygala sp. 19980529 V5 M29 244021 2 CV00808 14 SALVADORACEAE 44 Salvadora persica 19980212 V27 M103 273529 3 CV00818 14 SALVADORACEAE 44 Salvadora persica 19980212 V27 M103 273529 3 CV00818 14 SALVADORACEAE 44 Salvadora persica 19980212 V27 M103 273529 3 CV00828 15 RIFAMNACEAE 45 Ziziphus spina-christi 19981014 V23 M93 291954 3 CV00828 15 RIFAMNACEAE 45 Ziziphus spina-christi 19981014 V23 M93 291954 3 CV00848 16 URTICACEAE 46 Forsskaolea tenacissima 19980213 V27 M103 263507 3 CV00848 16 URTICACEAE 46 Forsskaolea tenacissima 19980614 V12 M56 263603 3 CV008668 16 URTICACEAE 47 Parietaria alsinifolia 19980215 V28 M104 261700 3 CV00878 17 AIZOACEAE 48 Aizoon canariense 19980215 V28 M104 261700 3 CV00898 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980212 V27 M103 273529 3 CV00918 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980212 V27 M103 273529 3 CV00918 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV00968 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV00968 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV00968 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV00968 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M48 260340 3 CV00968 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M48 260340 3 CV00968 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980609 V10 M48 260340 3 CV00968 18 CARYOPHYLLACEAE 51 Polycarpaea repbairea 19980607 V16 M10 260333 3	CVC	0046J	12	EUPHORBIACEAE	39	Euphorbia retusa	19980620	V18	M80	280130	351225
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CV0079S 3 POLYGALACEAE 43	CVO	077S	12	EUPHORBIACEAE	41	Ricinus communis	19980529	V5	M29	244021	271081
CV00805 14 SALVADORACEAE 43 Polygala sp. 19980529 V5 M29 244021 2	. CV0	0078S	13	POLYGALACEAE	43	Polygala sp.	19980526	V3	M15	241747	373804
CV0080S	CV	0079S	13	POLYGALACEAE .	43	Polygala sp.	19980529	V5	M29	244021	271081
CV0081S	CV()047J	13	POLYGALACEAE	43	Polygala sp.	19980529	V5	M29	244021	271081
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CV0082S 15	CV()048J	14	SALVADORACEAE	44	Salvadora persica	19980212	V27 ·	M103	273529	353220
CV0084S	CV(0081S	14	SALVADORACEAE	44	Salvadora persica	19980613	V11	M52	260351	363553
CV0084S 16 URTICACEAE	CV	0082S	15	RHAMNACEAE	45	Ziziphus spina-christi	19981014	V23	M93	291954	345738
CV0084S 16 URTICACEAE 46 Forsskaolea tenacissima 19980215 V28 M104 263536 3 CV0086S 16 URTICACEAE 47 Parietaria alsinifolia 19980215 V28 M104 261700 3 CV0087S 17 AIZOACEAE 48 Aizono canariense 19980215 V28 M104 261700 3 CV0088S 17 AIZOACEAE 48 Aizono canariense 19980215 V28 M104 261700 3 CV0088S 17 AIZOACEAE 48 Aizono canariense 19980620 V19 M82 282145 3 CV0089S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980212 V27 M103 273529 3 CV0091S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980612 V27 M103 273529 3 CV0092S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V9 M45 255029 3 CV0093S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V10 M48 260340 3 CV0093S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V17 M78 273534 3 CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V17 M78 273534 3 CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V17 M78 273534 3 CV0095S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V17 M78 273534 3 CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea repens 19980619 V17 M78 273534 3 CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980517 V15 M71 270740 3 CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0055J 18 CARYOPHYLLACEAE 51 Polycarpaea spicata 19980620 V18 M80 280130 3 CV0095S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980609 V10 M47 260348 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980609 V10 M47 260348 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980609 V10 M47 260348 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980609 V10 M47 260348 3 CV0055J 18 CA	CV()049J	15	RHAMNACEAE	45	Ziziphus spina-christi	19981014	V23	M93	291954	345738
CV0086S 16 URTICACEAE 46 Forsskaolea tenacissima 19980614 V12 M56 263603 3 CV0086S 16 URTICACEAE 47 Parietaria alsinifolia 19980215 V28 M104 261700 3 CV0087S 17 AIZOACEAE 48 Aizoon canariense 19980620 V19 M82 282145 3 CV0089S 17 AIZOACEAE 48 Aizoon canariense 19980620 V19 M82 282145 3 CV0089S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980612 V27 M103 273529 3 CV00501 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V9 M45 255029 3 CV0092S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V9 M45 255029 3 CV0093S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V10 M48 260340 3 CV0093S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980609 V10 M48 260340 3 CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980618 V16 M75 272612 3 CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980618 V16 M75 272612 3 CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980618 V16 M75 272612 3 CV0095S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V17 M78 273534 3 CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980620 V18 M80 280130 3 CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea spicata 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea spicata 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea spicata 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980607 V10 M47 260348 3 CV0098S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980609 V10 M47 260348 3 CV0098S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0098S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0060J 1	CV(0083S	16	URTICACEAE	- 46	Forsskaolea tenacissima	19980213	V27	M103	265507	360918
CV0086S 16 URTICACEAE 47 Parietaria alsinifolia 19980215 V28 M104 261700 3 CV0087S 17 AIZOACEAE 48 Aizoon canariense 19980215 V28 M104 261700 3 CV0088S 17 AIZOACEAE 48 Aizoon canariense 19980121 V19 M82 282145 3 CV0090S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980212 V27 M103 273529 3 CV0091S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V9 M45 255029 3 CV0091S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V9 M45 255029 3 CV0091S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980618 V16 M75 272612 3 CV0051J 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V17 M78	CV(0084S	16	URTICACEAE	46	Forsskaolea tenacissima	19980215	V28	M104	263536	361600
CV0087S 17 AIZOACEAE 48 Aizoon canariense 19980215 V28 M104 261700 3 CV0088S 17 AIZOACEAE 48 Aizoon canariense 19980620 V19 M82 282145 3 CV0089S 18 CARYOPHYLLACEAE 49 Gypsophila capillaris 1998012 V13 M91 265417 3 CV0090S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980212 V27 M103 273529 3 CV0091S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V9 M45 255029 3 CV0092S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980618 V16 M75 272612 3 CV0093S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980618 V16 M75 272612 3 CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea robbairea 19980620 V18 M80 <t< td=""><td>CV(</td><td>0085S</td><td>16</td><td>URTICACEAE</td><td>46</td><td>Forsskaolea tenacissima</td><td>19980614</td><td>V12</td><td>M56</td><td>263603</td><td>361529</td></t<>	CV(0085 S	16	URTICACEAE	46	Forsskaolea tenacissima	19980614	V12	M56	263603	361529
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CV0089S 18 CARYOPHYLLACEAE 49 Gypsophila capillaris 19981012 V13 M91 265417 3 CV0090S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980212 V27 M103 273529 3 CV0091S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V9 M45 255029 3 CV0092S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980608 V9 M45 255029 3 CV0093S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980618 V16 M75 272612 3 CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V17 M78 273534 3 CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea robbairea 19980218 V28 M104 251627 3 CV0052J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 <td>CV</td> <td>0087S</td> <td>17</td> <td>AIZOACEAE</td> <td>48</td> <td>Aizoon canariense</td> <td>19980215</td> <td>V28</td> <td>M104</td> <td>261700</td> <td>362030</td>	CV	0087S	17	AIZOACEAE	48	Aizoon canariense	19980215	V28	M104	261700	362030
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CV0051J 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980619 V17 M78 273534 3 CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980620 V18 M80 280130 3 CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0052J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0093J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980620 V18 M80 280130 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea spicata 19980215 V	CV(0092S	18	CARYOPHYLLACEAE	50	Polycarpaea repens	19980609	V10	M48	260340	363542
CV0094S 18 CARYOPHYLLACEAE 50 Polycarpaea repens 19980620 V18 M80 280130 3 CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0095Z 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0053J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0053J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980620 V18 M80 280130 3 CV0098S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980620 V18 M80 280130 3 CV0054J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215	. CV(0093S	. 18	CARYOPHYLLACEAE	50	Polycarpaea repens	19980618	V16	M75	272612	353605
CV0095S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980218 V28 M104 251627 3 CV0096S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0053J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980620 V18 M80 280130 3 CV0099S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0054J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0100S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222	CV	0051J	18	CARYOPHYLLACEAE	50	Polycarpaea repens	19980619	V17	M78	273534	353208
CV0096S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0052J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0053J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980620 V18 M80 280130 3 CV0099S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0100S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 <	CV	0094S	18	CARYOPHYLLACEAE	. 50	Polycarpaea repens	19980620	V18	M80	280130	351225
CV0052J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980530 V6 M30 245733 3 CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0053J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980620 V18 M80 280130 3 CV0099S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0054J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0100S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 <	CV	0 095S	18	CARYOPHYLLACEAE	51	Polycarpaea robbairea	19980218	V28	M104	251627	370856
CV0097S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0053J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980620 V18 M80 280130 3 CV0099S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0054J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0100S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0055J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980609 <	CV	0096S	18	CARYOPHYLLACEAE	51	Polycarpaea robbairea	19980530	V6 ·	M30	245733	376553
CV0053J 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980617 V15 M71 270740 3 CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980620 V18 M80 280130 3 CV0099S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0054J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0100S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0056J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980022 V29 M105 233709 3 CV0057J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 1998009 <td< td=""><td>CV</td><td>0052J</td><td>. 18</td><td>CARYOPHYLLACEAE</td><td>51</td><td>Polycarpaea robbairea</td><td>19980530</td><td>V6</td><td>M30</td><td>245733</td><td>376553</td></td<>	CV	0052J	. 18	CARYOPHYLLACEAE	51	Polycarpaea robbairea	19980530	V6	M30	245733	376553
CV0098S 18 CARYOPHYLLACEAE 51 Polycarpaea robbairea 19980620 V18 M80 280130 3 CV0099S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0054J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0100S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0056J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980609 V10 M47 260348 3 CV0057J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980609 V10 M47 260348 3 CV0101S 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980215 V	CV(0097S	18	CARYOPHYLLACEAE	51	Polycarpaea robbairea	19980617	V15	M71	270740	354521
CV0099S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0054J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0100S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0056J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0056J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980609 V10 M47 260348 3 CV0057J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980609 V10 M47 260348 3 CV0101S 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980215 V28 M104 261820 3 CV0102S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V1	CV	0053J	18	CARYOPHYLLACEAE	51	Polycarpaea robbairea	19980617	V15	M71	270740	354521
CV0054J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980215 V28 M104 263536 3 CV0100S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0056J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980609 V10 M47 260348 3 CV0057J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980215 V28 M104 261820 3 CV0101S 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980215 V28 M104 261820 3 CV0102S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0103S 19 CHENOPODIACEAE 54 Anabasis setifera 19980608 V9 <td>· CV</td> <td>0098S</td> <td>18</td> <td>CARYOPHYLLACEAE</td> <td>51</td> <td>Polycarpaea robbairea</td> <td>19980620</td> <td>V18</td> <td>M80</td> <td>280130</td> <td>351225</td>	· CV	0098S	18	CARYOPHYLLACEAE	51	Polycarpaea robbairea	19980620	V18	M80	280130	351225
CV0100S 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0056J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980609 V10 M47 260348 3 CV0057J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19990302 - - 253250 3 CV0101S 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980215 V28 M104 261820 3 CV0102S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0103S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19980608 V9 M45 255029 3 CV0104S 19 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9	CV	0099S	18	CARYOPHYLLACEAE	52	Polycarpaea spicata	19980215	V28	M104	263536	361600
CV0055J 18 CARYOPHYLLACEAE 52 Polycarpaea spicata 19980222 V29 M105 233709 3 CV0056J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980609 V10 M47 260348 3 CV0057J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19990302 - - 253250 3 CV0101S 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980215 V28 M104 261820 3 CV0102S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0103S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19980222 V29 M105 233709 3 CV0104S 19 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0059J 19-1 CHENOPODIACEAE 56 Arthrocnemum macrostachyum 19981013 V14<	CV	0054J	18	CARYOPHYLLACEAE	52	Polycarpaea spicata	19980215	V28	M104	263536	361600
CV0056J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980609 V10 M47 260348 3 CV0057J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19990302 - - 253250 3 CV0101S 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980215 V28 M104 261820 3 CV0102S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0103S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19980222 V29 M105 233709 3 CV0104S 19 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0059J 19-1 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0060J 19-1 CHENOPODIACEAE 56 Arthrocnemum macrostachyum 19981013 V14 <td>CV</td> <td>0100S</td> <td>18</td> <td>CARYOPHYLLACEAE</td> <td>52</td> <td>Polycarpaea spicata</td> <td>19980222</td> <td>V29</td> <td>M105</td> <td>233709</td> <td>383107</td>	CV	0100S	18	CARYOPHYLLACEAE	52	Polycarpaea spicata	19980222	V29	M105	233709	383107
CV0057J 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19990302 - - 253250 3 CV0101S 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980215 V28 M104 261820 3 CV0102S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0103S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19980222 V29 M105 233709 3 CV0104S 19 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0059J 19-1 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0060J 19-1 CHENOPODIACEAE 56 Arthrocnemum macrostachyum 19981013 V14 M92 270812 3	CV	0055J	18	CARYOPHYLLACEAE	52	Polycarpaea spicata	19980222	V29 .	M105	233709	383107
CV0101S 18 CARYOPHYLLACEAE 53 Sphaerocoma aucheri 19980215 V28 M104 261820 3 CV0102S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0058J 19-1 CHENOPODIACEAE 54 Anabasis ehrenbergii 19980222 V29 M105 233709 3 CV0104S 19 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0059J 19-1 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0060J 19-1 CHENOPODIACEAE 56 Arthrocnemum macrostachyum 19981013 V14 M92 270812 3	CV	0056J	18	CARYOPHYLLACEAE	53	Sphaerocoma aucheri	19980609	V10	M47	260348	363536
CV0102S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0058J 19-1 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0103S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19980222 V29 M105 233709 3 CV0104S 19 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0060J 19-1 CHENOPODIACEAE 56 Arthrocnenum macrostachyum 19981013 V14 M92 270812 3	CV	0057J	18	CARYOPHYLLACEAE	53	Sphaerocoma aucheri	19990302	-	-	253250	365110
CV0058J 19-1 CHENOPODIACEAE 54 Anabasis ehrenbergii 19981013 V14 M92 270812 3 CV0103S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19980222 V29 M105 233709 3 CV0104S 19 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0060J 19-1 CHENOPODIACEAE 56 Arthrocnemum macrostachyum 19981013 V14 M92 270812 3	CV	0101S	18	CARYOPHYLLACEAE	53	Sphaerocoma aucheri	19980215	V28	M104	261820	362422
CV0103S 19 CHENOPODIACEAE 54 Anabasis ehrenbergii 19980222 V29 M105 233709 3 CV0104S 19 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0059J 19-1 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0060J 19-1 CHENOPODIACEAE 56 Arthrocnemum macrostachyum 19981013 V14 M92 270812 3	CV	0102S	19	CHENOPODIACEAE	54	Anabasis ehrenbergii	19981013	V14	M92	270812	354742
CV0104S 19 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0059J 19-1 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0060J 19-1 CHENOPODIACEAE 56 Arthrocnemum macrostachyum 19981013 V14 M92 270812 3	CV	0058J	19-1	CHENOPODIACEAE	54	Anabasis ehrenbergii	19981013	V14	M92	270812	354742
CV0059J 19-1 CHENOPODIACEAE 55 Anabasis setifera 19980608 V9 M45 255029 3 CV0060J 19-1 CHENOPODIACEAE 56 Arthrocnemum macrostachyum 19981013 V14 M92 270812 3	CV	0103S	19	CHENOPODIACEAE	54	Anabasis ehrenbergii	19980222	V29	M105	233709	383107
CV0060J 19-1 CHENOPODIACEAE 56 Arthrocnemum macrostachyum 19981013 V14 M92 270812 3	CV	0104S	19	CHENOPODIACEAE	55	Anabasis setifera	19980608	V 9	M45	255029	364104
	CV	0059J	19-1	CHENOPODIACEAE	55	Anabasis setifera	19980608	V9	M45	255029	364104
CV00611 10.1 CHENOPODIA CEAR 56 Arthropagnum macrostachyum 10000217 253033 3	CV	0060J	19-1	CHENOPODIACEAE	56	Arthrocnemum macrostachyum	19981013	V14	M92	270812	354742
CV00013 13-1 CHENOI ODIACEAE 30 Anniochemum mucrosiacnyum 13330217 - 233033 3	CV	0061J	19-1	CHENOPODIACEAE	56	Arthrocnemum macrostachyum	19990217	- '.	-	253033	365100

Appendix 13 (cont.). List of mangroves / coastal Vegetation specimens collected in the Biological Inventory Survey.

Sample code	Family No.	Family name	Species No.	Scientific name	Sampling date	Site No.	Spot No.	Latitude	Longitud
CV0105S	19	CHENOPODIACEAE	56	Arthrocnemum macrostachyum	19980616	V14	M67	271006	354731
CV0106S	19	CHENOPODIACEAE	56	Arthrocnemum macrostachyum	19980618	V16	M75	272610	353556
CV0062J	19-1	CHENOPODIACEAE	56	Arthrocnemum macrostachyum	19980618	V16		272610	353556
CV0107S	19	CHENOPODIACEAE	57	Atriplex farinosa	19980211	V27	M103	265632	355937
CV0063J	19-1	CHENOPODIACEAE	57	Atriplex farinosa	19980211	V27	M103	265632	355937
CV0108S	19	CHENOPODIACEAE	58	Cornulaca ehrenbergii	19980530	V 6	M30	245733	376553
CV0109S	19	CHENOPODIACEAE	59	Halocnemum strobilaceum	19981013	V14	M92	270812	354742
CV0064J	19-1	CHENOPODIACEAE	59	Halocnemum strobilaceum	19981013	V14	M92	270812	354742
CV0110S	19	CHENOPODIACEAE	59	Halocnemum strobilaceum	19980210	V27	M103	273529	353220
CV0111S		CHENOPODIACEAE	59	Halocnemum strobilaceum	19980616	V14	M65	271006	354731
CV0065J		CHENOPODIACEAE	59	Halocnemum strobilaceum	19980616	V14	M65	271006	354731
CV0112S		CHENOPODIACEAE	60	Halopeplis perfoliata	19980211	V27	M103	265632	355937
CV0066J		CHENOPODIACEAE	60	Halopeplis perfoliata	19980211	V27		265632	355937
CV0113S		CHENOPODIACEAE	61	Haloxylon salicornicum	19981013	V14	M92	270812	354742
CV0067J		CHENOPODIACEAE	61	Haloxylon salicornicum	19981013	V14	M92	270812	354742
CV0114S		CHENOPODIACEAE	61	Haloxylon salicornicum	19980210	V27		274034	352843
CA00681		CHENOPODIACEAE	61	Haloxylon salicornicum	19980210	V27		273529	353220
CV00063 CV0115S		CHENOPODIACEAE	61	Haloxylon salicornicum	19980607	V8	M37	255749	364305
CV0069J		CHENOPODIACEAE	61	Haloxylon salicornicum	19980607	V8	M37	255749	364305
CV00093		CHENOPODIACEAE	61	Haloxylon salicornicum	19980621	V21	M87	280234	351344
CV01103		CHENOPODIACEAE	62	Salsola imbricata	19980223	V29		230656	384859
CV01173 CV0070J		CHENOPODIACEAE	62	Salsola imbricata	19980223	V29		230656	384859
CV00703 CV0118S		CHENOPODIACEAE	62	Salsola imbricata	19980525	V2 .	M8	230463	384896
		CHENOPODIACEAE	62	Salsola imbricata	19980525	V2	M8	230463	384896
CV0071J				Salsola tetrandra	19980525	V2	M80	280130	35122
CV01198		CHENOPODIACEAE	63 63	Salsola tetrandra?	19981012	V13	M91	265417	36020
CV01205		CHENOPODIACEAE		Salsola villosa	19980607	V13	M41	255753	36433
CV01215		CHENOPODIACEAE	64		19980607	V8	M41	255753	36433
CV0072J		CHENOPODIACEAE	64	Salsola villosa		V0 V13	M91	265417	36020
CV01228		CHENOPODIACEAE	65	Seidlitzia rosmarinus	19981012	V 13 V27		203417	353220
CV01235		CHENOPODIACEAE	65	Seidlitzia rosmarinus	19980212				
CV01249		CHENOPODIACEAE	65	Seidlitzia rosmarinus	19980615	V13	M59	265417	36021:
CV00733		CHENOPODIACEAE	65	Seidlitzia rosmarinus	19980615	V13	M59	265417	36021
CV0074J		CHENOPODIACEAE	66	Sevada schimperi	19990227	****	-	253033	36510
CV01255		CHENOPODIACEAE	66	Sevada schimperi	19980222	V29		5 233709	38310
CV0075.		CHENOPODIACEAE	66	Sevada schimperi	19980222	V29		5 233709	38310
CV01263		CHENOPODIACEAE	67	Suaeda aegyptiaca	19980524	V1	M5	224623	38584
CV0076.		CHENOPODIACEAE	67	Suaeda aegyptiaca	19980524	V1	M5	224623	38584
CV0077.		CHENOPODIACEAE	68	Suaeda fruticosa	19990227	-	-	253033	36510
CV0078.		CHENOPODIACEAE		Suaeda fruticosa	19990227	-	-	253033	36510
CV0127		CHENOPODIACEAE		Suaeda fruticosa	19980211	V27		3 265632	
CV0128				Suaeda fruticosa	19980618	V16	M75		
CV0129	S 19			Suaeda fruticosa?	19981018	V 1	M98		
CV0130				Suaeda monoica	19981013	V14	M92		
CV0079	J 19-:	3 CHENOPODIACEAE	69	Suaeda monoica	19981013	V14	M92		
CV0131	S 19	CHENOPODIACEAE	69	Suaeda monoica	19980216	V28		4 255108	
CV0132	S 19	CHENOPODIACEAE	. 69	Suaeda monoica	199 8 0 217	V28		4 254900	
CV0133	S 19	CHENOPODIACEAE	69	Suaeda monoica	19980617	V15	M69		35452
CV0134	S 19	CHENOPODIACEAE	70	Suaeda vera	19981019	V2	M99		
CV0080	J 19-	3 CHENOPODIACEAE	70	Suaeda vera	19981019	V2 ·	M99		
CV0081	J 19-	3 CHENOPODIACEAE	71	Suaeda vermiculata	19981011	V22	M90	263645	36140
CV0082	J 19-	3 CHENOPODIACEAE	71	Suaeda vermiculata	19981011	V22	M90	263645	36140
CV0135				Suaeda vermiculata	19981018	V 1	M98	224626	38583
CV0083		3 CHENOPODIACEAE		Suaeda vermiculata	19981019		M99		
CV0084		3 CHENOPODIACEAE		Suaeda vermiculata	19990227			253033	
		3 CHENOPODIACEAE		Suaeda vermiculata	19990228	•		253033	

Appendix 13 (cont.). List of mangroves / coastal Vegetation specimens collected in the Biological Inventory Survey.

CVU01861 P.3 CHENOPODIACEAR 71 Suncula vermiculata 19980302 2 233250 3651.0 CVU137S 19 CHENOPODIACEAR 71 Suncula vermiculata 19980330 V6 M32 245752 396546 CVU138S 19 CHENOPODIACEAR 71 Suncula vermiculata 19980630 V6 M32 25028 354057 CVU138S 19 CHENOPODIACEAR 71 Suncula vermiculata 19980608 V9 M43 25028 354057 CVU139S 19 CHENOPODIACEAR 71 Suncula vermiculata 19980608 V9 M43 25028 354057 CVU139S 19 CHENOPODIACEAR 71 Suncula vermiculata 2 19981019 V2 M99 230438 384044 CVU140S 19 CHENOPODIACEAR 71 Suncula vermiculata 2 19981019 V2 M99 230438 384044 CVU140S 19 CHENOPODIACEAR 71 Suncula vermiculata 2 19981010 V12 M88 263551 361536 CVU140S 20 AMARANTHACEAR 72 Aerva javanica 19981010 V12 M88 263551 361536 CVU140S 20 AMARANTHACEAR 72 Aerva javanica 19980614 V12 M56 263543 361515 CVU144S 20 AMARANTHACEAR 72 Aerva javanica 19980614 V12 M56 263543 361515 CVU144S 21 LEGUMINOSAE 73 Acacia chrenbergiana 19980514 V12 M56 263543 361515 CVU144S 21 LEGUMINOSAE 73 Acacia chrenbergiana 19980514 V12 M56 224623 385841 CVU144S 21 LEGUMINOSAE 74 Acacia corefora 19980530 V6 M32 245752 396546 CVU148S 21 LEGUMINOSAE 74 Acacia corefora 19980530 V6 M32 245752 396546 CVU148S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M103 27548 353609 CVU148S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M103 27548 353609 CVU148S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M103 250700 371600 CVU147 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M103 250700 371600 CVU147 21 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M103 250700 371600 CVU148S 21 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M103 250700 371600 CVU148S 21 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M103 250700 371600 CVU148S 21 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M103 250700 371600 CVU148S 21 LEGUMINOSAE 77 Acacia tortilis 19980220 V29 M103 250700 371600 CVU148S 21 LEGUMINOSAE 77 Acacia tortilis 19980212 V27 M103 27548 35364 CVU168S 21 LEGUMINOSAE 77 Acacia tortilis 19980212 V27 M103 27540 36304 36304 CVU168S 21 LEGUMINOSAE 80 Linguigera articulata 19980613 V11 M78 252402 36324 C	Sample code	Family No.		Species No.	Scientific name		Sampling date	Site No.	Spot No.	Latitude	Longitude
CV0137S 19 CHENOPODIACEAE 71 Suaeda verniculata 19980608 V9 M43 255028 354657 CV0130S 19 CHENOPODIACEAE 71 Suaeda verniculata 19980608 V9 M43 255028 354657 CV0130S 19 CHENOPODIACEAE 71 Suaeda verniculata 19980608 V9 M43 255028 354657 CV0130S 19 CHENOPODIACEAE 71 Suaeda verniculata 2 19981019 V2 M99 230438 384044 CV0140S 19 CHENOPODIACEAE 72 Aerva javanica 19981010 V12 M88 263551 361536 CV0140S 20 AMARANTHACEAE 72 Aerva javanica 19981010 V12 M88 263551 361536 CV0140S 20 AMARANTHACEAE 72 Aerva javanica 19980614 V12 M56 263543 361515 CV02080 20 AMARANTHACEAE 72 Aerva javanica 19980614 V12 M56 263543 361515 CV02080 21 LEGUMINOSAE 73 Acacia chronbergiana 19980514 V12 M56 263543 361515 CV02000 27-1 LEGUMINOSAE 73 Acacia chronbergiana 19980514 V12 M56 263543 361515 CV02000 27-1 LEGUMINOSAE 74 Acacia chronbergiana 19980512 V1 M5 224623 385841 CV02001 27-1 LEGUMINOSAE 74 Acacia chronbergiana 19980512 V1 M5 224623 385841 CV02001 27-1 LEGUMINOSAE 74 Acacia chronbergiana 19980512 V1 M5 224623 385841 CV02001 27-1 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M103 27384 353609 CV02002 21-1 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M103 27384 353609 CV02002 21-1 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371650 CV02002 21-1 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M105 250700 371650 CV02002 21-1 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M105 250700 371650 CV02002 21-1 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M105 250700 371650 CV02002 21-1 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M105 250700 371650 CV02002 21-1 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M105 250700 371650 CV02002 21-1 LEGUMINOSAE 76 Acacia tortilis 19980220 V29 M105 250700 371650 CV02002 21-1 LEGUMINOSAE 78 Astragalus siquetar 19980200 V20 M105 250700 371650 CV02002 21-1 LEGUMINOSAE 80 Indigetera articulata 19980200 V20 M105 250700 371650 CV02002 21-1 LEGUMINOSAE 80 Indigetera articulata 19980210 V21 M105 230438 383445 CV02002 21-1 LEGUMINOSAE 80 Indigetera articulata 19980210 V21 M105 230438 330438 CV02002 21-1 LEGUMINOSAE 80 Indiget	CV0086J	19-3	CHENOPODIACEAE	71	Suaeda vermiculata		19990302	-	-	253250	365110
CV0138S 19 CHENOPODIACEAE 71 Suaeda vermiculata 19980008 V9 M43 255028 854057 CV0139S 19 CHENOPODIACEAE 71 Suaeda vermiculata 7 19981011 V2 M59 230438 384044 CV0140S 19 CHENOPODIACEAE 71 Suaeda vermiculata 7 19981011 V2 M59 230438 384044 CV0140S 19 CHENOPODIACEAE 71 Suaeda vermiculata 7 19981011 V2 M59 230438 384044 CV0140S 19 CHENOPODIACEAE 71 Suaeda vermiculata 7 19981011 V2 M59 230438 384044 CV0140S 19 CHENOPODIACEAE 71 Suaeda vermiculata 7 19981011 V2 M59 230438 384044 CV01040S 19 CMARANTIIACEAE 72 Aerva javanica 19981010 V12 M58 230551 361536 CV08081 20 AMARANTIIACEAE 72 Aerva javanica 19980014 V12 M56 230543 361515 CV08081 20 AMARANTIIACEAE 72 Aerva javanica 19980014 V12 M56 230543 361515 CV08091 21-1 LEGUMINOSAE 73 Acacia ehrenbergiana 19980524 V1 M5 224623 385841 CV0144S 21 LEGUMINOSAE 73 Acacia ehrenbergiana 19980532 V1 M5 224623 385841 CV0144S 21 LEGUMINOSAE 74 Acacia cerlota 19980530 V6 M32 245752 396546 CV01458 21 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M103 272548 353600 CV0146S 21 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M103 272548 353600 CV0146S 21 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M103 272548 353600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 230700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 230700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 230700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 230700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 230700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980225 V2 M10 230449 384911 CV01051 21 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M105 230449 384911 CV01051 21 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M105 230449 384911 CV01051 21 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M105 230449 38491 Acacia cor		19	CHENOPODIACEAE	71	Suaeda vermiculata		19980219	V28	M104	253300	365200
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CV0148S 19 CHENOPODIACEAE 71 Suaeda vermiculata 7 19981011 V22 M90 263645 361346 CV01481 20 AMARANTHACEAE 72 Aerva javanica 19981010 V12 M88 263551 361336 CV0142S 20 AMARANTHACEAE 72 Aerva javanica 19981011 V12 M88 263551 361336 CV0142S 20 AMARANTHACEAE 72 Aerva javanica 19980014 V12 M56 263543 361515 CV0143S 21 LEGUMINOSAE 73 Acacia chrenbergiana 19980524 V1 M5 224623 385841 CV01043S 21 LEGUMINOSAE 73 Acacia chrenbergiana 19980524 V1 M5 224623 385841 CV01048S 21 LEGUMINOSAE 74 Acacia corfota 19980530 V6 M32 245752 396546 CV00901 21-1 LEGUMINOSAE 74 Acacia corfota 19980530 V6 M32 245752 396546 CV009021 21-1 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M103 272548 353609 CV0148S 21 LEGUMINOSAE 75 Acacia tortilis 19980212 V27 M103 272548 353609 CV0148S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371600 CV0148S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371600 CV0147S 21 LEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 250700 371600 CV0148S 21 LEGUMINOSAE 76 Astragalus hispidulus 19980619 V17 M78 273534 333148 CV0169S 21 LEGUMINOSAE 76 Astragalus hispidulus 19980619 V17 M78 273534 333148 CV0169S 21 LEGUMINOSAE 77 Astragalus sieberi 19980212 V27 M103 273529 33320 CV0151S 21 LEGUMINOSAE 78 Astragalus vogelii 19980212 V27 M103 273529 33320 CV0151S 21 LEGUMINOSAE 79 Crotalaria sp. 19980121 V17 M78 273534 33148 CV0169S 21 LEGUMINOSAE 80 Indigefera articulata 19980515 V17 M13 245753 305320 CV0154S 21 LEGUMINOSAE 80 Indigefera articulata 19980510 V17 M18 245753 305320 CV0154S 21 LEGUMINOSAE 80 Indigefera articulata 19980510 V17 M18 245753 305320 CV0154S 21 LEGUMINOSAE 80 Indigefera articulata 19980510 V1 M15 262247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247 362247	CV0087J	19-3	CHENOPODIACEAE	71	Suaeda vermiculata		19980608	V 9	M43	255028	354057
CV0141S 20 AMARANTHACEALE 72 Aerwa javanica 19981010 V12 M88 263551 361536 CV00881 20 AMARANTHACEALE 72 Aerwa javanica 19980614 V12 M56 263543 361515 CV00891 20 AMARANTHACEALE 72 Aerwa javanica 19980614 V12 M56 263543 361515 CV00891 21 LEGUMINOSAE 73 Aeacia enherbergianu 1998054 V1 M5 224623 385841 CV00901 21-1 LEGUMINOSAE 74 Aeacia oerfora 19980530 V6 M32 245752 396546 CV01485 21 LEGUMINOSAE 74 Aeacia oerfora 19980530 V6 M32 245752 396546 CV01485 21 LEGUMINOSAE 75 Aeacia tortilis 19980212 V27 M103 272548 353609 CV01485 21 LEGUMINOSAE 75 Aeacia tortilis 19980212 V27 M103 272548 353609 CV01485 21 LEGUMINOSAE 75 Aeacia tortilis 19980220 V29 M105 201700 371600 CV01478 21 LEGUMINOSAE 75 Aeacia tortilis 19980220 V29 M105 201700 371600 CV01478 21 LEGUMINOSAE 75 Aeacia tortilis 19980220 V29 M105 201700 371600 CV01485 21 LEGUMINOSAE 75 Aeacia tortilis 19980220 V29 M105 201700 371600 CV01485 21 LEGUMINOSAE 75 Aeacia tortilis 19980250 V2 M10 200449 384911 CV00941 21-1 LEGUMINOSAE 75 Aeacia tortilis 19980525 V2 M10 200449 384911 CV00941 21-1 LEGUMINOSAE 76 Astragalus kipidulus 19980619 V17 M78 273534 353148 CV00951 21-1 LEGUMINOSAE 76 Astragalus vogelii 19980210 V17 M78 273534 353148 CV00951 21-1 LEGUMINOSAE 78 Astragalus vogelii 19980210 V17 M78 273534 353148 CV00951 21-1 LEGUMINOSAE 78 Astragalus vogelii 19980212 V27 M103 273529 353220 CV0158 21 LEGUMINOSAE 78 Astragalus vogelii 19980212 V27 M103 273529 353220 CV00961 21-1 LEGUMINOSAE 78 Astragalus vogelii 19980613 V11 M51 202447 302448 Abdulla CV00153 21 LEGUMINOSAE 80 Indigofera articulata 19980613 V11 M51 202447 302448 CV01058 21 LEGUMINOSAE 80	CV0139S	19	CHENOPODIACEAE	71	Suaeda vermiculata?		19981019	V2	M99	230438	384044
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CV010881	CV0141S	20	AMARANTHACEAE	72	Aerva javanica		19981010	V12	M88	263551	
CV01642S 20 AMARANTHACEALE 72 Aerwa javanica 19980614 V12 M56 263543 361515 CV00891 20 AMARANTHACEALE 72 Aerwa javanica 19980514 V1 M5 224623 385841 CV00901 21-1 IEGUMINOSAE 73 Acacia ehrenbergiana 19980524 V1 M5 224623 385841 CV00901 21-1 IEGUMINOSAE 74 Acacia coeffora 19980530 V6 M32 245752 396546 CV01485 21 IEGUMINOSAE 74 Acacia coeffora 19980530 V6 M32 245752 396546 CV01485 21 IEGUMINOSAE 75 Acacia tortilis 19980212 V27 M103 272548 335609 CV01645 21 IEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 20700 371600 CV01645 21 IEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 20700 371600 CV01478 21 IEGUMINOSAE 75 Acacia tortilis 19980220 V29 M105 20700 371600 CV01478 21 IEGUMINOSAE 75 Acacia tortilis 19980225 V2 M10 200449 384911 CV09094 21-1 IEGUMINOSAE 75 Acacia tortilis 19980525 V2 M10 200449 384911 CV01485 21 IEGUMINOSAE 76 Astragalus hispidulus 19980619 V17 M78 273534 353148 CV01485 21 IEGUMINOSAE 76 Astragalus kispidulus 19980619 V17 M78 273534 353148 CV01485 21 IEGUMINOSAE 78 Astragalus vogelii 19980212 V27 M103 273520 353220 CV09061 21-1 IEGUMINOSAE 78 Astragalus vogelii 19980212 V27 M103 273520 353220 CV09061 21-1 IEGUMINOSAE 78 Astragalus vogelii 19980525 V2 M10 200449 384911 CV01485 21 IEGUMINOSAE 78 Astragalus vogelii 19980620 V18 M78 273523 353220 CV09061 21-1 IEGUMINOSAE 78 Astragalus vogelii 19980620 V18 M78 273523 353220 CV09077 21-1 IEGUMINOSAE 79 Crotalaria sp. 19981012 V13 M91 265417 360204 CV01585 21 IEGUMINOSAE 80 Indigofera articulata 19980613 V18 M73 200204 CV01678 21 IEGUMINOSAE 80 Indigofera articulata 19980613 V11 M51 20247 362247 CV01678 21 IEGUMINOSAE 81 Indigofera	CV0088J	20	AMARANTHACEAE	72			19981010	V12			
CV01689	CV0142S	20	AMARANTHACEAE								
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CV0167S 21 LEGUMINOSAE 87 Taverniera aegyptiaca 19980613 V11 M52 262246 362233					4						
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CV0108J 21-2 LEGUMINOSAE 87 Taverniera aegyptiaca 19980613 V11 M52 262246 362233											
	CV0108J	21-2	LEGUMINOSAE	87	Taverniera aegyptiaca		19980613	V 11	M52	262246	362233

Appendix 13 (cont.). List of mangroves / coastal Vegetation specimens collected in the Biological Inventory Survey.

Sample code	Family No.	Family name	Species No.	Scientific name	Sampling date	Site No.	Spot No.	Latitude	Longitude
CV0168S	21	LEGUMINOSAE	88	Taverniera lappacea	19980617	V15	M69	270741	354521
CV0169S	21	LEGUMINOSAE	88	Taverniera lappacea	19980619	V17	M78	273534	353148
CV0109J	21-2	LEGUMINOSAE	88	Taverniera lappacea	19980619	V17	M78	273534	353148
CV0170S	21	LEGUMINOSAE	89	Tephrosia apollinea	19980213	V27	M103	272145	354040
CV0110J	21-2	LEGUMINOSAE	89	Tephrosia apollinea	19980213	V27	M103	272145	354040
CV0171S	21	LEGUMINOSAE	89	Tephrosia apollinea	19980619	V17	M78	273534	353208
CV0111J	21-2	LEGUMINOSAE	89	Tephrosia apollinea	19980619	V 17	M78	273534	353208
CV0172S	21	LEGUMINOSAE		Tephrosia purpurea	19980530	V6	M32	245752	396546
CV0112J	22	RHIZOPHRACEAE		Rhizophora mucronata	19990216	_	<u>.</u> .	253609	365753
CV0173S	22	RHIZOPHRACEAE		Rhizophora mucronata	19980217	V28	M104	253612	365752
CV0113J	22	RHIZOPHRACEAE		Rhizophora mucronata	19980217	V28	M104	253612	365752
CV0114J	23	UMBELLIFERAE		Deverra sp.	19980215	V28	M104	260351	363553
CV0174S	23	UMBELLIFERAE		Deverra triradiata	19980613	V11	M51	262247	362234
CV0175S	23	UMBELLIFERAE		Deverra sp.?	19980215	V28	M104	260351	363553
CV0176S	24	LORANTHACEAE	93	Plicosepalus sp.	19980619	V17	M78	273529	353220
CV0115J	24	LORANTHACEAE	93	Plicosepalus sp.	19980619	V17	M78	273529	353220
CV0177S	25	PLUMBAGINACEAE		Limonium axillare	19980210	V27	M103	273529	353220
CV0116J	25	PLUMBAGINACEAE		Limonium axillare	19980210	V27		273529	353220
CV0178S	25	PLUMBAGINACEAE	94	Limonium axillare	19980215	V28	M104	261820	362422
CV0179S	26	APOCYNACEAE	95	Rhazya stricta	19980213	V27		265507	360918
CV0117J	26	APOCYNACEAE	95	Rhazya stricta	19980213	V27		265507	360918
CV0180S	27	ASCLEPIADACEAE	96	Blyttia spiralis	19980613	V 11	M52	262246	362233
CV0118J	27	ASCLEPIADACEAE	96	Blyttia spiralis	19980613	V 11	M52	262246	362233
CV0181S	27	ASCLEPIADACEAE	98	Glossonema boveanum	19980617	V15	M69	270741	354521
CV0119J	27	ASCLEPIADACEAE	98	Glossonema boveanum	19980617	V15	M69	270741	354521
CV0182S	27	ASCLEPIADACEAE	99	Pergularia tomentosa	19980619	V17	M78	273526	353210
CV0120J	27	ASCLEPIADACEAE	99	Pergularia tomentosa	19980619	V17	M78	273526	353210
CV0183S	27	ASCLEPIADACEAE	101	Steinheilia radicans	19980529	V5	M29	244021	271081
CV0121J	27	ASCLEPIADACEAE	101	Steinheilia radicans	19980529	V5	M29	244021	271081
CV0184S	27	ASCLEPIADACEAE	101	ASCLEPIADACENEsp.	19980213	V27		265507	360918
CV0122J	28	RUBIACEAE	102	Kohautia caespitosa	19981012	V13	M91		360204
CV0185S	28	RUBIACEAE	102	Kohautia caespitosa	19980210	V27		273529	353220
CV0123J	28	RUBIACEAE	102	Kohautia caespitosa	19980210	V27		273529	353220
CV0186S	28	RUBIACEAE	102	Kohautia caespitosa	19980220	V29		233709	383107
CV0124J	28	RUBIACEAE		Kohautia caespitosa		V29		233709	383107
CV0187S	28	RUBIACEAE	102	Kohautia caespitosa	19980530	V6		245752	375046
CV0125J	28	RUBIACEAE		Kohautia caespitosa	19980530	V6	M32	245752	375046
CV0188S	28	RUBIACEAE	102	Kohautia caespitosa	19980614	V12	M56	263603	361529
CV0126J	28	RUBIACEAE		Kohautia caespitosa	19980614	V12	M56	263603	361529
CV0189S	28	RUBIACEAE	102	Kohautia caespitosa	19980619	V17	M78	273526	353210
CV0127J	28	RUBIACEAE		Kohautia caespitosa	19980619	V17	M78	273526	353210
CV0190S	29	CONVOLVULACEAE	103	Convolvulus asyrensis	19980620	V18	M80	280130	351225
CV0191S	29	CONVOLVULACEAE	104	Convolvulus glomeratus	19980613	V11	M52		362233
CV0128J	29	CONVOLVULACEAE	104	Convolvulus glomeratus	19980613	V11	M52		362233
CV0192S	29	CONVOLVULACEAE		Convolvulus hystrix	19980619	V17	M78	273534	353208
CV0129J	29	CONVOLVULACEAE		Convolvulus hystrix	19980619	V17	M78		353208
CV0193S		CONVOLVULACEAE		Convolvulus pilosellifolius	19980223	V29		5 230656	384859
CV0194S		CONVOLVULACEAE		Convolvulus sp.	19980615	V13	M61	265416	360214
CV0194S CV0195S		CONVOLVULACEAE		Cressa cretica	19980210	V13		203410	352843
CV01933 CV0130J	29	CONVOLVULACEAE		Cressa cretica	19980210	V27		3 274034	352843
CV01303 CV0196S		CONVOLVULACEAE		Cressa cretica	19980210	V27	M10.	224639	332843 385867
CV01903 CV0131J	29	CONVOLVULACEAE		Cressa cretica	19980524	V1 V1			
		CONVOLVULACEAE		Cressa cretica			M1	224639	385867
CV0197S				· ·	19980621	V21	M87	280220	351330
CV0198S		BORAGINACEAE	109	Echium sp.	19980530	V6	M32	245752	396546
CV0132J	30	BORAGINACEAE	109	Echium sp.	19980530	V6 :	- M32	245752	396546

Appendix 13 (cont.). List of mangroves / coastal Vegetation specimens collected in the Biological Inventory Survey.

Sample code	Family No.	Family name	Species No.	Scientific name	Sampling date	Site No.	Spot No.	Latitude	Longitude
CV0199S		BORAGINACEAE	110	Heliotropium arbainense	19980212	V27		273529	353220
CV0133J	30	BORAGINACEAE	110	Heliotropium arbainense	19980212	V27	M103	273529	353220
CV0200S	30	BORAGINACEAE	110	Heliotropium arbainense	19980619	V17	M78	273534	353148
CV0134J	30	BORAGINACEAE	110	Heliotropium arbainense	19980619	V17	M78	273534	353148
CV0201S	30	BORAGINACEAE	110	Heliotropium arbainense	19980620	V 19	M82	282145	344341
CV0135J	30	BORAGINACEAE	110	Heliotropium arbainense	19980620	V 19	M82	282145	344341
CV0202S	30	BORAGINACEAE	111	Heliotropium crispum	19980215	V28	M104	261820	362422
CV0136J	30	BORAGINACEAE	111	Heliotropium crispum	19980215	V28	M104	261820	362422
CV0203S	30	BORAGINACEAE	111	Heliotropium crispum	19980530	V6	M31	245753	370547
CV0204S	30	BORAGINACEAE	112	Heliotropium curassavicum	19980607	V8 ·	M41	255748	364300
CV0137J	30	BORAGINACEAE		Heliotropium curassavicum	19980607	V8	M41	255748	364300
CV0205S	30	BORAGINACEAE		Heliotropium longiflorum		V28		251627	370856
CV0138J		BORAGINACEAE		Heliotropium longiflorum		V28		251627	370856
CV0206S		BORAGINACEAE		Heliotropium pterocarpum		V10		260348	363536
CV0139J		BORAGINACEAE		Heliotropium pterocarpum		V10		260348	363536
CV0207S		AVCENNIACEAE		Avicennia marina		V27		272548	353609
CV0140J		AVCENNIACEAE		Avicennia marina		V27		272548	353609
CV0208S		LABIATAE		Lavandula stricta		V17		273534	353208
CV0209S		LABIATAE		Salvia aegyptiaca		V17		273534	353208
CV0141J		LABIATAE		Salvia aegyptiaca		V17		273534	353208
CV0142J		LABIATAE	118	Teucrium oliverianum		V13		265417	360204
CV0210S		LABIATAE		Teucrium sp.		V22		263645	361409
CV0211S		SOLANACEAE		Hyoscyamus albus		V26		283334	344807
CV0212S		SOLANACEAE		Hyoscyamus muticus		V28		254900	364230
CV0143J		SOLANACEAE		Hyoscyamus muticus		V28		254900	364230
CV0213S		SOLANACEAE		Lycium shawii		V28		254900	364230
CV02133		SOLANACEAE		Lycium shawii		V 26		245752	396546
CV02143		SCROPHULARIACEAE		•					
CV02133		SCROPHULARIACEAE		Bacopa monnieri		V26		283334	344807
CV01443 CV0216S		SCROPHULARIACEAE SCROPHULARIACEAE		Bacopa monnieri		V26		283334	344807
CV02103		SCROPHULARIACEAE SCROPHULARIACEAE		Kickxia aegyptiaca		V17	M78	273446	353206
CV01433 CV0217S				Kickxia aegyptiaca		V17	M78	273446	353206
		SCROPHULARIACEAE		Lindenbergia sinaica		V22	M90	263645	361409
CV0146J		SCROPHULARIACEAE		Lindenbergia sinaica		V22	M90	263645	361409
CV0218S		ACANTHACEAE		Blepharis ciliaris		V27		265507	360918
CV0147J		ACANTHACEAE		Blepharis ciliaris		V27		265507	360918
CV0219S		ACANTHACEAE		Blepharis ciliaris		V13		265416	360214
CV0148J		ACANTHACEAE		Blepharis ciliaris		V16		272612	353619
CV0220S		OROBANCHACEAE	127	Cistanche phelypaea		V27		274034	352843
CV0149J		OROBANCHACEAE		Cistanche phelypaea		V27		274034	352843
CV0221S				Blumea sp.		V26		283334	344807
CV0150J		COMPOSITAE		Blumea sp.		V26		283334	344807
CV0222S		COMPOSITAE		Echinops sp.		V12		263551	361536
CV0223S		COMPOSITAE		Iphiona scabra	19980210	V27	M103	273529	353220
CV0224S		COMPOSITAE		Iphiona scabra	19980212	V27	M103	273529	353220
CV0225S		COMPOSITAE	130	Iphiona scabra	19980619	V17	M78	273529	353220
CV0226S		COMPOSITAE	130	Iphonia scabra	19980530	V6	M31	245753	370547
CV0151J		COMPOSITAE	130	Iphonia scabra	19980530	V6	M31	245753	370547
CV0227S	. 37	COMPOSITAE		Launaea capitata	19980215	V28	M104	261700	362030
CV0228S	37	COMPOSITAE	132	Launaea fragilis Launaea mucronata ssp.	19980619	V17	M78	273446	353206
CV0229S	37	COMPOSITAE	133	Luunuea mucronata ssp.	19980617	V15	M69	270741	354521
CV0230S	37	COMPOSITAE	134	Launaea sp.?		V28	M104	251627	370856
CV0231S		COMPOSITAE		Pulicaria crispa		V 6	M32		396546
CV0152J		COMPOSITAE		Pulicaria crispa		V 6	M32	245752	396546
		and the second of the second o		<i>1</i> '					
CV0232S	37	COMPOSITAE	135	Pulicaria incisa	19980621	V21	M87	280234	351344

Appendix 13 (cont.). List of mangroves / coastal Vegetation specimens collected in the Biological Inventory Survey.

	Sample code	Family No.	Family name	Species No.	Scientific name		Sampling date	Site No.	Spot No.	Latitude	Longitude
<u>.</u> .	CV0234S	37	COMPOSITAE	136	Pulicaria sp.		19980212	V27	M103	273529	353220
	CV0235S	37	COMPOSITAE	136	Pulicaria sp.		19980213	V27	M103	265507	360918
	CV0236S	38	LILIACEAE	137	Asphodelus fistulosus		19980210	V27	M103	274034	352843
	CV0237S	38	LILIACEAE	137	Asphodelus fistulosus		19980213	V27	M103	270823	354754
	CV0238S	38	LILIACEAE	137	Asphodelus fistulosus		19980215	V28	M104	263561	361498
	CV0239S	38	LILIACEAE	137	Asphodelus fistulosus		19980608	V 9	M45	255029	364104
	CV0240S	39	JUNCACEAE	138	Juneus rigidus		19981015	V26	M102	283334	344807
	CV0241S	39	JUNCACEAE	138	Juncus rigidus		19980220	V29	M105	250700	371600
	CV0153J	39	JUNCACEAE	138	Juneus rigidus		19980220	V29	M105	250700	371600
	CV0242S	40	GRAMINEAE	139	Aeluropus lagopoides		19980215	V28	M104	260351	363553
	CV0154J	40	GRAMINEAE	139	Aeluropus lagopoides		19980215	V28	M104	260351	363553
	CV0243S	40	GRAMINEAE	139	Aeluropus lagopoides		19980220	V29	M105	250700	371600
	CV0155J	40	GRAMINEAE	139	Aeluropus lagopoides		19980220	V29	M105	250700	371600
	CV0244S	40	GRAMINEAE	139	Aeluropus lagopoides		19980607	V8	M37	255749	364305
	CV0245S	40	GRAMINEAE	140	Cenchrus gracillimus		19980220	V29	M105	250200	371600
	CV0246S	40	GRAMINEAE	141	Cynodon dactylon		19981020	V5	M101	250705	371554
	CV0156J	40	GRAMINEAE	141	Cynodon dactylon		19981020	V5	M101	250705	371554
	CV0247S	40	GRAMINEAE	141	Cynodon dactylon		19980220	V29	M105	5 250700	371600
	CV0157J	40	GRAMINEAE	141	Cynodon dactylon		19980220	V29	M103	250700	371600
	CV0248S	40	GRAMINEAE	142	Dichanthium foveolatum		19980609	V10	M43	260352	363553
	CV0249S	40	GRAMINEAE	143	Echinochloa sp.		19980524	V 1	M5	224623	385841
	CV0158J	40	GRAMINEAE	143	Echinochloa sp.		19980524	V1	M5	224623	385841
	CV0250S	40	GRAMINEAE	144	Lasiurus scindicus		19980609	V 10	M47	260352	363553
	CV0159J	40	GRAMINEAE	144	Lasiurus scindicus		19980609	V10	M47	260352	363553
	CV0251S	40	GRAMINEAE	145	Panicum turgidum		19980212	V27	M103	3 273529	353220
	CV0160J	40	GRAMINEAE	145	Panicum turgidum		19980212	V27	M10.	3 273529	353220
	CV0252S	40	GRAMINEAE	145	Panicum turgidum		19980609	V 10	M46	260348	363536
	CV0161J	40	GRAMINEAE	145	Panicum turgidum		19980609	V 10	M46	260348	363536
	CV0253S	40	GRAMINEAE	146	Phragmites australis		19980220	V29 .	M10	5 250700	371600
	CV0162J	40	GRAMINEAE	146	Phragmites australis		19980220	V29	M10	5 250700	371600
	CV0254S	40	GRAMINEAE	147	Sporoblus spicatus		19980220	V29	M10	5 250700	371600
	CV0163J	40	GRAMINEAE	147	Sporoblus spicatus		19980220	V29	M10	5 250700	371600
	CV0255S	40	GRAMINEAE	148	Stipagrostis hirtigluma		19980614	V12	M56	263603	361529
	CV0164J	40	GRAMINEAE	148			19980614	V12	M56	263603	361529
	CV0256S	40	GRAMINEAE	149	Stipagrostis plumosa		19980212	V27		3 273529	
	CV0165J	40	GRAMINEAE	149			19980212			3 273529	
	CV0257S	40	GRAMINEAE	151	Tricholaena teneriffae		19981011		M90		
	CV0166J	40	GRAMINEAE	151	Tricholaena teneriffae		19981011		M90		
	CV0258S	40	GRAMINEAE	151	-		19980220	V29	M 10	5 250200	
	CV0259S	43	CYPERACEAE	155			19980529		M28		
	CV0260S	43	CYPERACEAE	155	Cyperus conglomeratus		19980608			255029	the second control of
	CV02618	43	CYPERACEAE	156	• • •		19980216			4 260415	
	CV0167J	43	CYPERACEAE	156	Cyperus jeminicus		- 19980216			4 260415	
	CV02628	3 43	CYPERACEAE	156	Cyperus jeminicus		19980530			245733	
	CV02635	3 43	CYPERACEAE	157	Cyperus laevigatus	•	19981015			283334	
	CV02645	3 43	CYPERACEAE	158	Cyperus rubicundus		19980222			5 233709	
	CV0168J	43	CYPERACEAE	158	B Cyperus rubicundus		19980222	V 29		05 233709	
	CV02655	3 43	CYPERACEAE	159	Cyperus sp.		19980210	V27	M10	3 273529	353220

Appendix 14. Locations of the inventory survey spots for the birds component.

Site	Spot No.		of the inven Longitude (E)	the state of the s	Tit	me	Method	Habitat
,	~~				Start	End		
1	O63	292026	345707	19981014	640	825	observation	a residential area and a wadi
	O64	292026	345707	19981014	1035	1135		a residential area
2	O46	282218	344344	19980620		1910		rocky mountains
	O47	282218	344344	19980620	1747	1910	observation	rocky mountains
3	O48	280600	343541	19980621	750	912	observation	a sandy beach
4	O49	280237	351346	19980621	1022	1111	census	a sandy beach with palm trees
	O50	280237	351346	19980621	1010	1115	observation	a sandy beach with palm trees
	O67	280237	351346	19981015	1114			a sandy beach with palm trees
5	O44	280127	351209	19980620	830	930		sandy and Sabkh area
	O45	280127	351209	19980620	810			sandy and Sabkh area
6	O41	273524	353222	19980619	740	845	census	a grassland and patchy shrubs
	O42	273506	353209	19980619	927	947	census	a grassland
	O43	273524	353222	19980619	720			a grassland and patchy shrubs
7	O39	272549	353609	19980618	732	830		mangrove, farms and a wadi
•	O40	272549	353609	19980618	724			mangrove, farms and a wadi
8	O33	270811	354739	19980616	750	850	census	a mangrove forest and shrubs
O	O34	271011	354735	19980616	1000	1050		_
	O35	271012	354739	19980616	730		census	a mangrove forest and shrubs
								a mangrove forest and shrubs
	O61	270811	354739	19981013	800	915		a mangrove forest and shrubs
0	O62	271012	354735	19981013	925			a mangrove forest and shrubs
9	O36	270758	354509	19980617	930	1040	census	an arid area
	O37	270509	354639	19980617	1115	1149	census	an arid area
	O38	270758	354509	19980617	920		observation	
10	O30	265414	360205	19980615	800	830	census	a mangrove forest
	O31	265423	360212	19980615	830	930	census	an arid area
	O32	265414	360205	19980615	755			a mangrove forest and an arid ar
	O59	265414	360205	19981012	737			a mangrove forest and an arid ar
	O60	265514	360059	19981012	900		observation	a mangrove forest and an arid at
11	O28	263601	361526	19980614	735	904	census	a wadi with shrubs
	O29	263601	361526	19980614	725	920	observation	a wadi with shrubs
	O51	263550	361533	19981010	800	1000	mist netting	a wadi with shrubs
	O52	263550	361533	19981010	717	1105	observation	a wadi with shrubs
	O53	263550	361533	19981010	1655	1815	mist netting	a wadi with shrubs
	O54	263550	361533	19981010	1645	1820	observation	a wadi with shrubs
	O55	263550	361533	19981011	725	945	mist netting	a wadi with shrubs
	O56	263550	361533	19981011	715	955	observation	a wadi with shrubs
12	O26	262227	362221	19980613	1635	1733	census	a salt marsh
	O27	262227	362221	19980613	1625	1745	observation	a salt marsh
13	O23	260340	363543	19980609	728	834	census	a grassland
	O24	260349	363540	19980609	841	925	census	an arid area
	O25	260340	363543	19980609	721	933		a grassland and an arid area
14	019	255733	364331	19980607	730	825	census	a Tamarix forest in a wadi
	O20	255733	364331	19980607	725			a Tamarix forest in a wadi
15	O21	255026	364106	19980608	756	931	census	a salt marsh
10	O21	255026	364106	19980608	740		observation	4
16	O68	253611	365753	19981017	930			a mangrove forest and a sait man
20	O17	252452	365325	19980531		1140	census	a mangrove forest and a sait man
20	O17			19980531	945			a mangrove forest
21		252452	365325					_
21	O12	250718	371546	19980529	752	840	census	a grassland
	013	250700	371550	19980529	905	930	census	a farm
	014	250718	371546	19980529	747	955		a grassland and a farm
	074	250718	371546	19981020				a grassland and a farm
22	O15	245711	370604	19980530	930	1010	census	an arid area
	O16	245711	370604	19980530	900		observation	
23	O9	244738	371029	19980528	820	909	census	an arid area
	O10	244831	371040	19980528	927	1005	census	a mangrove forest and an arid ar
	011	244738	371029	19980528	810	1015	observation	a mangrove forest and an arid at
	0.11			19980526				

Appendix 14 (cont.). Locations of the inventory survey spots for the birds component.

site	Spot No.	Latitude(N)	Longitude (E)	Date	Til	ne	Method Habitat
	•	` ,	_ , ,	· · · · · · · · · · · · · · · · · · ·	Start	End	
	O8	241720	373806	19980526	1520	1640	observation rocky hills
25	O73	235538	381743	19981020	750	900	observation a mangrove forest
26	O4	230407	384844	19980525	902	1016	census a grassland with patchy shrubs
	O5	230446	384911	19980525	1100	1137	census scattered shrubs with Acacia
	O6	230407	384844	19980525	900	1150	observation a grassland and shrub-type are
	071	230407	384844	19981019	750	1025	observation a grassland and shrub-type are
27	O1	224622	385841	19980524	947	1052	census a grassland
	O2	224640	390026	19980524	1108	1155	census a sandy area with shrubs
	O3	224622	385841	19980524	935	1200	observation a grassland and shrub-type are
	O69	224622	385841	19981018	715	830	observation a grassland
	O70	224640	390026	19981018	855	1000	observation a sandy area with shrubs

Note: Site 17, 18 and 19 were surveyed in Phase III.

Appendix 15. Location of the survey spots of the seagrasses/algae component in the Model Area.

Location			Longitude (E)		agrasses/atgae componer Habitat	Method
South of Duqm Sabq	SA1	253610	365758	19990216	Intertidal bare sand flat with	Observation
Soun of Duqui Saoq	5711	255010		17770210	few young mangrove	Coscivation
	SA2	253615	365734	19990216	Mangrove stand	Observation
	SA3	253614	365732	19990216	Turf/small algae community	Observation and sampling
South of Qumma'an	SA4	253227	365107	19990217	Mangrove stand	Observation and sampling
	SA5	253229	365152	19990217	Small algae/sponge	Observation
Offshore east of	SA6	252350	365420	19990221	Cyanophyceae community	Observation
Jazirat Shaybararh	SA7	252222	365341	19990221	Cyanophyceae community	Observation and sampling
	SA8	252355	365454	19990221	Sargassum bed	Observation and sampling
Offshore east of	SA9	252550	365709	19990223	Seagrass bed with some Cyanophyceae	Observation
Jazirat Suwayhil	SA10	252542	365717	19990223	Cyanophyceae community	Observation
	SA11	252551	365634	19990223	Seagrass bed	Observation
West coast of	SA12	252239	365243	19990224	Cyanophyceae community	Observation
Jazirat Suwayhil	SA13	252235	365244	19990224	Turf/small algae community	Observation
•	SA14	252235	365245	19990224	Crustose coralline algae community	Observation
	SA15	252237	365243	19990224	Coral community with few small algae	Observation and sampling
South Qara'ir	SA16	252838	370119	19990225	Bare sand area with some seagrass and small algae	Observation and sampling
	SA17	252840	370124	19990225	Small algae comunity with some seagrass	Observation and sampling
4	SA18	252845	370116	19990225	Drifted Sargassum bed	Observation and sampling
Coast of	SA19	252842	370159	19990227	Small algae comunity with some seagrass	Observation and sampling
Duqm Abu Awashiz	SA20	252842	370156	19990227	Bare sand area with some seagrass	Observation
	SA21	252842	370151	19990227	Seagrass bed	Observation and sampling
	SA22	252809	370244	19990227	Small algae comunity	Observation
	SA23	252807	370240	19990227	Sargassum bed	Observation and sampling
	SA24	252805	370234	19990227	Cyanophyceae community	Observation and sampling
	SA25	252805	370243	19990227	Bare intertidal rock	Observation
	SA26	252858	370156	19990227	Cyanophyceae community	Observation and sampling
Offshore north of	SA27	252916	365825	19990228	Bare sand area with some	Observation
Jazirat Suwayhil	SA28	252911	365822	19990228	Cyanophyceae Coral community with few	Observation
	SA29	252906	365828	19990228	small algae Bare sand area with some Cyanophyceae	Observation
·	SA30	252858	365826	19990228	Bare sand area with some coral and small algae	Observation
	SA31	252851	365833	19990228	Bare sand area with some seagrass	Observation
•	SA32	252843	365846	19990228	Turf/small algae community	Observation and sampling
* .	SA33	252828	365836	19990228	Cyanophyceae community	Observation
Offshore south	SA34	252319	365532	19990301	Coral community with few small algae	Observation and sampling
east of	SA35	252317	365530	19990301	Bare sand area with some Cyanophyceae	Observation
Jazirat Shaybararh	SA36	252315	365525	19990301	Seagrass bed with some Cyanophyceae	Observation and sampling
					- janopii je ee	
North of Al-Khurj	SA37	254045	365214	19990606	Seagrass bed	Observation

Appendix 15. Location of the survey spots of the seagrasses/algae component in the Model Area.

Location	Spot	Latitude(N)	Longitude (E)	Date	Habitat	Method
Constitution of the Consti	SA39	254042	365214	19990606	Coral community with few small algae	Observation
Sandbar near the channel Shunbuzah	S A 40	253550	364105	19990607	Coral community with few small algae	Observation
	SA41	253551	364105	19990607	Small algae comunity	Observation
	SA42	253552	364105	19990607	Bare sand area with some coral and small algae	Observation
South of Qumma'an	SA43	253130	365020	19990608	Coral community with few small algae	Observation
	SA44	253218	365042	19990608	Seagrass bed	Observation
	SA45	253218	365045	19990608	Seagrass bed	Observation
Bank in south of	SA46	253826	364615	19990609	Coral community with few small algae	Observation
Jazirat al 'Ishsh	SA47	253827	364615	19990609	Coral community with some small algae	Observation
South of Al-Khurj	SA48	253913	365357	19990609	Seagrass bed	Observation
v	SA49	253913	365356	19990609	Coral community with few small algae	Observation
•	SA50	234000	365236	19990609	Seagrass bed	Observation
Front of Umluj coast gard station	SA51	250054	371606	19990613	Coral community with some small algae	Observation
Northwest of Jazirat Umm Sahar	SA52	245611	371020	19990614	Coral community with some turf and small algae	Observation
	SA53	3 245611	371024	19990614	Drifted Cladophora comunity	Observation and sampling
	SA54	245611	371022	19990614	Seagrass bed	Observation
South of Umluj	SA55	245556	371530	19990615	Seagrass bed	Observation
South of Ash	SA50	5 251605	370916	19990615	Seagrass bed	Observation
Shawara	SA5	7 251603	370918	19990615	Turf and small algae comunit	y Observation
Front of Al Khawwarah coast gard station	SA5	3 252224	370526	19990616	Seagrass bed	Observation
East of Jajirat Suwayhill	SA5	9 252617	370131	19960619	Sargassum bed	Observation and sampling

SA9 | SA10 | SA11 | SA12 | SA13 | SA14 | SA15 | SA16 | SA17 | SA18 22.6 3x3100 100 1.3 23.6 3x3 0.4 33 5 5 7 3x322.1 100 0.8 + + ∞ (ኅ 3.0-5.5 24.3 3x3100 82 + ເປ 4 + 24.6 3x3100 0.9 20 7 ∞ 3 24.6 3x3 100 0.8 13 50 3x313.8 24.1 8 4 80 0.7-0.8 25.0 3x363 3 83 + 23.6 3x3 3.8 8 8 22 22.9 3x3<u>5.</u> 9 8 20 17 ŝ 32 SA8 24.3 3x3100 0.7 32 72 4 23.2 3x3SA6 SA7 3.9 Appendix 16. Summary of ecological features at survey sites in Model Area. 8 5 93 24.5 3x33.8 8 8 99 SA5 3x323.5 100 2.0 97 20 2 S 4 + 4 'n + 0.4 0.0-0.5 1x9 23.9 SA3 SA4 100 + 3x3 24.4 67 13 20 89 0.1-0.0 0.2-0.4 3x3 23.9 2 88 8 3x3 SA1 8 3 + Silt-sand on hard substrata Drifted Cladophora Rate of substratum(%) Drifted Sargassum Cyanophyceae Crustose algae Sargassaceae Temprature(°C) Haydorozoa Small algae Turf algae Sea urchin Dead coral Hard coral Mangrove Coverage(%) Soft coral Seagrass Rubble Sponge Pebble Rock Sand Depth(m) $Area(m^2)$

Appendix 16 (cont.). Summary of ecological features at survey sites in Model Area.

The second control of the second of the seco	20 C 100	b > v >	20,00	00.0		2010 1010 20				0		0	č	0	0			76,0
Spot	SALY	SA19 SA20 SA21 SA22	SA21	1	SA23 SA24	SA24	SA25	SA20 SA2/		SA28 SA29		SASU	SASI	SA32	SA33	5A32 5A33 5A34 5A33		0420
Area(m ²)	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3
Depth(m)	0.2	0.3	0.4	0.2	0.3	0.8	+0.1	+0.2	6.0	2.9	5.3	1.2	1.0	0.5	0.1	4.0-4.1	4.6	5.6
Temprature(°C)	22	22.2	23.1	25.8	25.3	23.8		1	22.8	22.9	22.7	23.0	23.6	24.8	30.2	23.1	23.3	23.3
Rate of substratum(%)																		
Rock	100			100	100		100			96				100		100	95	
Pebble																		
Rubble									-	5		20						
Sand		100	100			50	50	96	90	5	95	80	100					10
Silt						20		10	10	+	5	+	+		100		5	06
Silt-sand on hard substrata	40			43	20									43		70		
Coverage(%)																		
Hard coral										87		9				17		
Dead coral																		
Soft coral					~					9						50		
Haydorozoa					-,													
Sponge			3								·							
Sea urchin																		
Cyanophyceae						57		93	3		∞				95		23	37
Crustose algae										+						+		
Turf algae										+		+		7		6		
Small algae	27			43	53	+						+		53		17		
Sargassaceae					52									4				
Drifted Sargassum																		
Drifted Cladophora																		
Seagrass	13	22	70								3		7					75
Mangrove																		
						-	-											,

Appendix 16 (cont.). Summary of ecological features at survey sites in Model Area.

Appendix to (cons.). Cammary or consistent founds	20 6 2000														,			
Spot	SA37	SA37 SA38 SA39	SA39	SA40	SA41 SA42		SA43	SA44	SA45 SA46 SA47 SA48 SA49	SA46	SA47	SA48	SA49	SASU	SASI	SA50 SA51 SA52 SA53 SA54	SASS	SA34
Area(m ²)	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3	3x3
Depth(m)	4.4	8.6	1.4	2.8-3.1	0.3	0.4	5.6	0.2-0.3	0.4-0.5	15.0	8.2	12.2	6.0	6.5	15.0	2.6-3.4	8.6	7.6
Temprature(°C)	29.5	29.8	30.0	28.7	28.6	29.0	29.1	1	1	28.9	29.1	29.5	29.6	29.6	29.0	ı	1	,
Rate of substratum(%)																		
Rock			20	100	86		92			53	35		96		75	100	100	
Pebble			10			17				27	Ŋ		+					
Rubble			50			~~-d	.,			5	10		+		4			
Sand	8	30	20		2	82	7	100	100	15	50	90	10	70	21			100
Silt	10	70					1			+	+	10	+	30				
Silt-sand on hard substrata		:							-									
Coverage(%)																		
Hard coral			27	50	12	-+-	63			33	27		80		70	49	9	
Dead coral							27								+	4		
Soft coral				+	20	. 3				+			4			20		
Haydorozoa										+						3		
Sponge												J			N			
Sea urchin			. 13				,											
Cyanophyceae	+	+										+		$+ \Big $	7	Ŋ		
Crustose algae				17	12	+	5			19	+		S		25	23	30	
Turf algae			+	17	40	8	7		*******	S						9	S	
Small algae			+	+	7	+	ю			10	+		+		m	+	+	
Sargassaceae	-		+	+	4													
Drifted Sargassum																		
Drifted Cladophora																	97	
Seagrass	78	87						65	50			83		75				25
Mangrove							•											
							_											

Appendix 16 (cont.). Summary of ecological features at survey sites in Model Area.

Spot	SA55	SA56	SA57	SA55 SA56 SA57 SA58 SA59	SA59
Area(m ²)	3x3	3x3	3x3	3x3	3x3
Depth(m)	7.5	1.0	0:0	0.4-0.8	0.5
Temprature(°C)	29.8	31.8	ı	30.7	33.3
Rate of substratum(%)					
Rock			83		63
Pebble			17		
Rubble					
Sand	70	06		95	37
Silt	30	10		S	
Silt-sand on hard substrata					
Coverage(%)					
Hard coral					
Dead coral					
Soft coral					
Haydorozoa					
Sponge					
Sea urchin					
Cyanophyceae	5	+		+	+
Crustose algae					
Turf algae			30		+
Small algae		+	15		+
Sargassaceae					09
Drifted Sargassum					
Drifted Cladophora					
Seagrass	09	06		87	
Mangrove	- 1				

Appendix 17. Fishes selected for monitoring.

	*****		Keas	Keason for selection	Dare and	i i	Tising :	, and on
Family	English name	Scientific name	Commercia	Endemic	aquarinm	Number	abundance	Size
			target	species	target	conuting	category	estimation
Groupers (Serranidae)	Coral Hind	Cephalopholis miniata	×			×	***************************************	×
	Vermilion Hind	Cephalopholis oligosticta	×			×	***************************************	×
	Lyertail Grouper	Variola louti	×			×	***************************************	ĸ
	Summana Grouper	Epinephelus summana	×		***************************************	×		×
•	Others					×		×
Snappers (Lutianidae)	Twinspot Snapper	Lutjanus bohar	×			×		и
		Lutjanus kasmira	×			X		и
	Others						×	
Emperors (Lethrinidae)	Blackspot Emperor	Lethrinus harak	×			×		×
	Sky Emperor	Lethrinus mahsena	×			×		×
							×	
Sweet Lips (Haemulidae)	Blackspotted Sweetlips	Plectorhinchus gaterinus	×		***************************************	×		Х
	Painted Sweetlips	Diagramma poitum	×			X		×
	Others						×	
Butterfly Fishes (Chaetodontide Redsea Bannerfish	g Redsea Bannerfish	Heniochus intermedius		×		×	,	×
	Exquisite Butterflyfish	Choetodon austriacus		×		×		×
	Others						×	
Surgeon Fishes (Acanthuridae) Striped Bristletooth	Striped Bristletooth	Ctenochaetus striatus	×			×		x
	Sailfin Surgeonfish	Zebrasoma veliferum	ĸ			×		×
	Others		á				×	
Fusiliers (Caesionidae)	Suez Fusilier	Caesio suevica	×				×	
	Goldband Fusilier	Pterocaesio chrysozona	×				×	
· · · · · · · · · · · · · · · · · · ·	Others						×	
Jacks (Carangidae)	Orangespotted Trevally	Corangoides bajad	×			×		×
	Bigeye Trevally	Caranx sexfasciatus	×			×	***************************************	×
	Others						×	
Wrasses (Labridae)	Clown Coris	Coris aygula			×	×		×
	Broomtail Wrasse	Cheilinus lunulatus			×	×		×
	Humphead Wrasse	Cheilinus undulatus	×		×	×	••••	×
	Others	***************************************	3				×	
Damsels (Pomacentridae)	Redsea Dascyllus	Dascyllus marginatus			×		ĸ	
	Black Damsel	Neoglyphidodon melas			к		×	***************************************
	Others						×	
Parrotfishes (Scaridae)	Bumphead parrotfish	Bolbometopon muricatum			×	×		×
	Indianocean Longnose Parro	Parrodis Hipposcarus harid	×			×	1	×
	1	Cetoscarus bicolor		***************************************	×	×		×
	Steaphead Parrotfish	Scarus gibbus		×	×	×		X
	Others						×	
Goatfishes (Mullidae)	Yellowfin Goaffish	Mulloidichthys vanicolensis	×			×		×
	Yellowsaddle Goatfish	Parupeneus cyclostomus	×			×		×
	Others						×	
Rabbitfishes (Siganidae)	Rivulated Rabbitfish	Siganus rivulatus	×			×		×
	Stellate Rabbitfish	Siganus stellatus	×			×		×
	Officers					,	×	,
Angelfishes (Pomacanthidae)	Yellowbar Angelfish	Pomacanthus maculosus			×	×		X
	Regal Angelfish	Pygopiites diacanthus			×	ж		×
	Others						×	

Appendix 18.	Locations o	of the surve	Appendix 18. Locations of the survey spots in the Model Area for the fish component.				
Spot No. Depth Latitude(N) Longitude (E)	Latitude(N)	Longitude (E) Start End Habitat	Location	Orientation Human		Florizontal
		,)	7.50		of transect Imi	V Impact	Visibility
(H)			Date Lime Date Lime		ı		in water
FMO01B 9m	253837N	364841E	19990217 1245 19990217 1500 Patch reef	NW side of Juzur Madrah	NE-SW	None	15m
	253405N	364233E	19990218 1150 19990218 1230 Seaward reef edge	Out side of Shunbuzah		None	25m
	253405N	364233E	19990218 1110 19990218 1145 Seaward reef edge	Out side of Shunbuzah	SE-NW N	None	25m
	253549N	364655E	19990220 1100 19990220 1225 Patch reef	NW side of Jazirat Qumma'an		Low	15m
	253441N	364638E	19990220 1300 19990220 1345 Patch reef	NW side of Jazirat Qumma'an		Low	15m
	252140N	365304E	19990221 1207 19990221 1245 Seaward reef edge	South side of Jazirat Shaybarah		Low	5m
	252140N	365304E	19990221 1115 19990221 1150 Seaward reef edge	South side of Jazirat Shaybarah		Low	5m
-	252138N	365447E	19990221 1430 19990221 1510 Seaward reef edge	South side of Jazirat Shaybarah		Low	20m
	252138N	365447E	19990221 1348 19990221 1415 Seaward reef edge	South side of Jazirat Shaybarah		Low	20m
•	253238N	364854E		West edge of Jazirat Qumma'an		Low	10m
	253213N	365231E	1320	East edge of Jazirat Oumma'an		Low	10m
	252452N	365521E	1110 19990224 1200	East side of Jazirat Shaybarah		Moderate	3m
	N25525	365542E	19990224 1315 19990224 1400 Seagrass bed	West side of Jazirat Suwayhil	S-Z	Low	10m
	253455N	365203E	19990227 1110 19990227 1150 Patch reef	NE side of Jazirat Qumma'an	>	None	20m
	253208N	364954E	19990227 1320 19990227 1400 Patch reef	East side of Jazirat Shaybarah		Low	10m
_	253211N	364952E	19990302 1120 19990302 1150 Patch reef	SW side of Jazirat Qumma'an		Low	10m
	253211N	364952E	19990302 1200 19990302 1230 Patch reef	SW side of Jazirat Qumma'an		Mod	10m
	253149N	365124E	19990302 1335 19990302 1422 Patch reef	South side of Jazirat Qumma'an		Low	12m
	254003N	365259E		In front of Al-Khurj		None	Sm
	254222N	363214E	19990607 1115 19990607 1200 Seaward leef edge	Outside of channel at south of J.Umm Rumah		None	20m
	254247N	363608E	19990607 1320 19990607 1400 Patch reef	Eastside of Jazirat Umm Rumah		None	8m
	253219N	363523E	19990608 1010 19990608 1100 Seaward reef edge	Outside of Al-Wajh Bank through Shunbuzah		None	30m
	253404N	364103E	19990608 1246 19990608 1330 Channel	Big Channel named Shunbuzah		None	8m
	253131N	364106E	19990609 1140 19990609 1230 Reef edge	Outside of channel named Shunbuzah		Low	om 6
	253131N	364106E	19990609 1530	Outside of channel named Shunbuzah		Low	9m
	253206N	364950E	19990614 1015 19990614 1100 Patch reef	Westside of Jazirat Qumma'an		None	5m
	253335N	365204E	19990614 1200 19990614 1235 Patch reef	Eastside of Jazirat Qumma'an		None	Sm
	252912N	365854E	19990615 1140 19990615 1215 Patch reef	South of Juzur Shurayrat		None	3m
	252844N	365401E	19990616 1025 19990616 1110 Patch reef	Mid Al-Wajh Bank	M-W	wol	Sm
ı							

Appendix 19. Findings of the fish survey (Model Study).

Cite name.					2002				2			2
Carle Manue.		ALLEGO TO THE PARTY OF THE PART	FW001B	1200 M.s	20000	000000	00000	COOM	100000	16,0000	10000	00000
Date:			12-45-15-00	11-50-12-10	11-10-11-45	11.10.11-45 11.00.12:25	13:00-13:45	12:07:12:45		.1_	13:48-14:15	
Denth:			- San	320	10m	E.	10	3m	710	3m	æ8	10m
Observer			Harada, Hatin	Harada, Hatin	Harada, Hatir	Harada, Habit	Harada, Matin	Harada, Hatin	Harada, Hann	<u>Handa, HatinPanda, HatinPlanda, HatinPlanda</u>	Harada, Hatin	Harada, Hati
Longitude:			364841E	364233E	364233E	36465SE	364638E	365304E	365304E	365447E	365447E	364854E
Latinde:			253837N	253405N	253405N	23324yN	N. 1945.C.	22.1407	NO 1707	2261361	VIDC17.07	200000
Weather			Sunny Deeth sonf	Summy	Samedary	Parch reef	Patch reaf	Separate det	Seaward reef ridge	Saward red edge	Seaward reef edge	Patch reef
Place and chalbite in unter			15m	25m	25m	15m	15m	Şm	Sm	20m	2010	10m
Orientation of transect line			NE-SW	SE-NW	SENW	E.W	ĒΨ	S.N.	S'N	E-W	E.W	E.W
Ruman impact			None	None	Š.	3	Low	.w.	low	ν ₁		Low,
	English name	Scientific name	No. Size	No. Size	No. Size	No. Size	No. Size	No. Size	No. Size	No. Size	No. Size	No. Size
Groupers (Serranidae)	Cora Hod Vermilion Hand	Cephalopholis mimala Cephalopholis oligosticia				NA CONTRACTOR OF THE PARTY OF T			- De Halana		.	
	Lyertail Grouper	Variola loun						***************************************		The second secon		[
	Summana Grouper	Epinephelus summana	50 30	and the second s	0.8 28	20 22	3 25	0.3 25		1.8 23	1.8 20	1.0
Snappers (Lutjanidae)	Twinspot Snapper	Lurianus bohar		The state of the s	ł 		,,idposition		Particular de Constitution de la			
	Bluelined Snapper	Lutjanus kasmira		Application of the second seco		aurandi						
Emperors (Lethrinidae)	Blackspot Emperor	Lethrinus harak		.								
	Sky Emperor	Lethrinus mahsena		Total Control of Contr						and the second s		
Sweet Jips (Haemulidae)	Others Blackspotted Sweetlips	Plectorhinchus gaterinus	3.5 28	-		0.8 33						
	Painted Sweetlips	Віавганта рект										
Sustandan Caban (Chambachank)	Others Pudees Bancorfeh	Henry churcher successioned in	35		18 17	1.0	2 1.0	- -			-	1.0 17
Dancer by Louise (Charlesouth Checker Butterflyfish	Exquisite Butterflyfish	Chaetodon austriacus	+-+	23 17		1-1-	 -	6 80	0.5 10	2.8 11	0.5 12	-
	Others				2,	2	,	, FE	01 52		1 5 13	,
Surgeon ushes (Acanimundae Surped Dr	Sulfin Surgeonfish	Zebrasoma veliferum		0.3 25	0.5 28		-			5.3 21	╁┼	
	Others				·]							
Fusiliers (Caesionidae)	Suez Fusilier Goldband Fusilier Others	Caesto suevica Prerocaesto chrysozona		-		. 9	\$, , ,	4	3	
acks (Caranpidae)	Orangespotted Trevally Bigeve Trevally	Carangoides bojad Caranx sexfasciatus			111111111111111111111111111111111111111	3.0 30				0.3 1.5		
West money (1 repair does)	Others	Consemba			. 05	,			-			
	Broontal Wrasse	Cherlinus lunulatus		Sandierelie II menerale	+							
	Humphead Wrasse	Cheilinus widulanus	- Independent of second second second second	annual resemble distribution in			3	1	2	1	4	3
Damsels (Pomacentridae)	Redsea Dascyllus	Dascyllus marginatus										
	Black Damsel Others	Neoglyphidodon melas				\$		2 4	+	5	S	5
Parrotfishes (Scaridae)	Bumphead Parrotfish	Вовьотегороп типсалит					al-qualitation and the second		0.3 18		7 2 10	
	Indianocean Longnose Par	Tott Hipposcurus hand Cetoscopus bicolor	2.8 15	35 >0	50.5	03 60				33		
	Steaphead Parrotfish	Steaphead Parrotfish Scarus gibbus	0.3 3.5		03 35	ļļ.	0.3 25	0.3 15		ļļ.		
Comment of the state of the state of	Others	Mullaidichthum manicalans	2				-		3	7	-3	,
_	Yellowsaddle Goatfish	Purupeneus cyclostomus							0.3 12			
	Others							-	-		- -	-
	Stellate Rabbitfish	Sigarius stellatus		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			the same of the sa				,	,
thoselfishes (Pomacanthidae)	Vellowbar Angelfish	Pomocontius moculosus	5.0 17			2.5 23	5.8 27				n. 1/1.	0.8 34
Regal Angel 5sh Others	Regal Angel 5sh Others	Pygoplites diacanthus		0.5 18	0.5 15	- -		-		0.3 20	1	2
Comments:	-		Many Crown-of-									
			observed.									
						_						

No.:Averaged number of species in the four segments.
Number of Damsels (Pomacentridae), Fusiliers (Caesionidae) and "Othern" except Groupers (Serranidae) were given by abundance categories. (1.1, 2.2-4, 3.5-16, 4:17-64, 5:65-256, 6:257-1024, 7:1025-4096, 8:4097-16384)
Size:Averaged size of fishes in the four segments.

Appendix 19 (cont.). Findings of the fish survey (Model Study).

			FAKOONA	1,800,00	L UOI ONT	FN0113	PM0138	FW013B1	FM013B2	FM013B2 FM014B		FMOISE
Nie name:			i	990224	990224	990227	990227		990302	205066	909066	590607
Time.			0	11:10-12:00	00:5	Ξ	13:20-14:00		٠,	13:35-14:32		11:35-12:0
Denth:			10:0	lm	Zm	£	eng.	- i	em .	Sm		1000
Obsenier			Horada, Habim	Harada, Hatim	Harada, Hatim	Harada, Hatin	Harada, Habit		Harada) raraca	Harada, Habin	디
Longinder			365231E	365231E 365521E	365542E	365203E	365542E 365203E 364954E	364952E	364952E	365124E	365239E	3632145
Latitude:			253213N	252452N	252552N	253455N	233208N	_1.	N 125.C2	XX+1507	×(500+57)	╀
Weather			Cloudy	Sunay	Sumy	Sunov	Aguns	. L.	Schny	Allens	The state of	+
Habital:			Patch reef	Sund bank with core	Seagrass bed	Parch reef	Patch ree!	Patch reet	raich reet	Paich reel	racii reci	And the second
Horizontal visibility in water			LQ.	330	10m	EO.	EST	G51	100	1 2 2 2 2	0 7	
Orientation of transect line			E.W	N.S	SN	NESW M	ŝ.	ź,	ź.	- X		
Human impact			wa	Moderate	, no	Nene	-1		٥	췒	51.	
Emily	Frolish name	Scientific name	No. Size	No. Size	No. Size	No.	No. Size	No. Size	No. Size	No. Size	No. 2126	
Transmidse)	Con Hind	Castalopholis minista			0.3 5							20 20
	Vermill on Hind	Centralopholis olivosticia	and the same of th		-							The state of the s
	Treat Comme	Vorolaloun										٠٠ŧ
	Diagram Claudia	Dain on balls stored or one	ļ			ļ						-
	Summana Crouped	The Control of the Co	5.3	0. 10	-	3.5	6.8 . 25	0.5 20	1.8 21	2.0 19	0.3 25	1.8 25
	Omers		1	-	-					0.3 25		0.3
(Snappers (Lutjanidae)	winspot snapper	Lutjung Sonar		0						ļ		ļ
	Diverned Shapped	Land Marie Control		3		-		-	·	-		
(2.0) (2.0) (3.0) (3.0)	Displaces Smarrer	I otherway bareak										,
Chy Emperors (Letters) date)	Chu Emperer	I othering mahieria	-									
	Others						,	3				
	Coners	District to the section of the section of		10								~
Sweet lips (Haemulidae)	ыаскуропед эмеспіру	Licensing Salering		-								
:	Panted Sweetings	Diagramma politina						-	-			-
	Others			6		13 10		١	-	0.8	2.3 11	0.5 18
Bunerfly fishes (Chaetodontic	Kedsea Bannertish	Housenes michigans	7			ŀ	21 80	0	0.3	ļ		1.0
	Exquisite Butterflyfish	Chandodon austracus		*		,	. ļ	-				ļ
	Others		3	71		,	-		1	,		ļ
Surgeon fishes (Acanthuridae	Striped Bristletooth	Clenochactus simatus	-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3	00 : 20	1.1			31 30
	Sailfin Surgeonfish	Zebrasoma veliferum					٠Ļ.		. ļ.			ŀ
	Others		,		-	, 7						
Fusillers (Caesionidae)	Suez Fusifier	Camiosumica	2.0	1.0		-				-		
	Goldband Fusilier	Prevocativo chrysotona	,					2				7
	Others		,				14 21	0.5	83 15		75 22	7.5 28
Jacks (Carangidae)	Orange spotted Trevally	Caringoide bajad		-	Andreas and a second second		ļ.,	-	ļ		٠	ļ
	Bigeye Trevally	Caranx sextascialus			-					,		
	Others								<u> </u>			
Wrasses (Labridae)	Clown Coris	Cons ayenta		.ļ.					-			ļ.,
	Broomtal Wrasse	Chelinus lunulatus		*								0.3 55
	Humphead Wrasse	Cheilinus undulatus			,	-	-	3	,			ļ
- 1	Others			,	,							
Damsels (Pomacentridae)	Redsea Dascvilus	Dascyllus marginalus	2							,	c	,
	Black Damsel	Neoglyphadodon melos	3					,	¥			4
	Others			4		·						
Parrotfishes (Scaridae)	Bumphead Parrotfish	Вогротегороп типсагит	000	,		13 : 18	16 80	03 7	ŀ	25 17	23 20	0.5 24
	indianocean Longnose Parte	Apposearus navia	-			-	-		0.3 2.5	-	}	ļ.,
	Bicolor Parfolds	Calocarus alcolor	***************************************	, , ,		and the second second	0.3 35		ļ			The second secon
	Others	Scario gionas	3	-	1	2	ļ	t-i	1	2		r.1
Goatfisher (Millidae)	Yellowfin Greatfish	Mulloidichthys vanicolous			1.3 8							-
	Yellowseddle Goatfish	Parapeacus evelosiomus										0.3
	Others	and a second franction of the second of the			3 .	-			•			-
Rabbitishes (Siganidae)	Ryvulated Rabbitfish	Sigamus rivulatus		0,3 1 12	2.0 8				- Antonio Anto			
Stellate Rabbitúsh	Stellate Rabbittish	Sigarus stellatus	0.5 18			1		and the second section is produced by				
	Others				,	- 1				-+	-	
Angelfishes (Pontacanthidae)	Yellowbar Angelfish	Pomacanthus maculosus	2.5 2.2	0.3 1.5	- Commenter of the	0.3 25	0.8 20	1.5 21	1.8 23	1.0	2.3 18	503
,	Regal Angelfish	Pygoplites diacanthus	-4		and the second s	A PARTICIPATION OF THE PARTICI		-	, , , , , , , , , , , , , , , , , , ,			
	Others		3			2		7		,	•	
Comments:				Tidal current	Tidal current		Many crown-					
:							observed.	-				
					•							
	٠											
No.: Averaged number of species in the four segments	ses in the four segments.											

No.Averaged number of species in the four segments.

Number of Damsels (Fornaculade), Fusiliers (Gassionidae), and "Others" except Groupers (Sertratidae) were given by abundance categories, (1.1, 2.24, 3.5-116, 4.17.64, 5.65-256, 6.257.1024, 7:1025-4096, 8:4097-16384)
Size.Averaged size of fishes in the four segments.

Appendix 19 (cont.). Findings of the fish survey (Model Study).

			11010101	ENCO18B	ŀ	go to you	EMO200B	EMO2011	FM021B	FM022B	FMO23U	-	PM024B
Date:			50000	╀┈┤	Н	11	609066	ш	11		ш	-	990616
Time:			13:20-14:0	0 10:10-1	1:00	33	11:40-12:30	52	ä	12	Ê		10:25-11:30
Depth:			33	₹.	-	8m	E.S	4m	Sm	m,	Ĕ.	7	S
Observer:			Harada, Hati	m Harada	Halin Ha	rada, Hatim	Parada Fatir	Harada, Hati	r Harada, Hati	-1	Harada. H	眧	Harnda Hatin
Longitude:			363608E	3635	38	364103E	363608E 363523E 364103E 3641006E 3	364106E	304950E	3652046	200000	╁	2525445
Latitude:	- All the second		S. 124.73	3 2		Summer	Strong	Sugar	+	┺	+-	╀	Sunay
Mahitat:			Paich reef	Sewards	1003	Channel	Reef edge	Reef edge	ļ	L	Putch reef	ļ	Patch reef
Horizontal visibility in water			8m	30	G	ςw	δm	Cub		Ş	Ę	+	Sm
Orientation of transect line			₩E	E-4		WE-SW	N-S		S-X	SX	3	+	≱ 2
Human impact			None	Non	إ	None	1,050	촨	Ž	+		T,	AW.
	English name	Scientific name	No. Size	No. Size	- 1	No. Size	No. Size	No. Size	No. Size	No. Size	Š.	22.6	No.
Groupers (Serranidue)	Coral Hind	Cephalopholis miniata	-	Co Co	8		7	The state of the s			-	-	3
	Lyerail Grouper	Variola louti	The Part of the Pa				0.3 35						-
	Summana Grouper	Eprophelus summana	Į	╁╌	0	 	ļ	0.5	2.3 36	7	0.5	27 (0.3
	Others			15	8	<u> </u>	0.3 19	;r	35 24	5.3	-		
Snappers (Lutjanidae)	Twinspot Snapper	Імпапиз ропат	3.0	-+	 -	63 &	_				1		-
and a	Blue lined Snapper	Luijanus kasmira	-	-	-	-	-		-		1		-
Enperors (Lethrinidae)	Blackspot Emperor	Lethrinus harak											
	Sky Emperor	Lethriaus mahsena							-		1		-
0.000	Others	Disabout in about on familiary	20	i c	, ,		-		-			-	0.5
	Painted Sweetlips	Діақтатта реізат	ļ	+	1					1			
	Others			\vdash								.	1
Butterfly Fishes (Chaelodonii Redsea Bannerfish	Redsea Bannerfish	Heriochus intermedius	1.3 21	3.0	នេះ	0.5 18	1.8	10 18	13 20	1.5	0.3	77	-
	Exquisite Butternyrisa Others	CAG GODON GUSTNACAK		-}	3 .	,		.4	2	2	8		3
Success Estes (Acanthucidae	Striped Bristletooth	Ctenochaetus striatus	1.0 18	╀╌	Z O	ļ	ļ	ł			-		
Sailfn Surgeorfish	Sailfin Surgeonfish	Zebrasoma veliferum	0.5 10	Н	H	0.8 23	0.3 18	1.3 12	0.8			H	
	Others		-	-	•	2		-	1	<u>'</u>	ļ	1	'
Fusiliers (Caesionidae)	Sucz Fusilier	Саело зиелса				- Contractor - Herbert	The second secon				04		0.0
	Others	rierdelesio cirysocom	5	3	- Indiana		4	3					3 .
Jacks (Carangidae)	Orangespotted Trevally	Carangoides bajad	1.0 16	H					0.3 25	0.8 25		and advanced	
	Big eye Trevaily	Carant serfasciatus					And in case of the					+	
Western Cabridge	Clover Coris	Correguenta	0.3	+-	+-	-Į-	•	-				1-	-
	Broomtail Wrasse	Cheifinus luculatus	1 :	2	12	0.3 25						+	
	Humphead Wrasse Others	Carithus unautatus	2	2	-	9 .	2	- 5	2		c.	1-	3
Damsels (Pomacentridae)	Redsea Dascyllus	Dascyllus marg natus	The Manual of the Party of the	- Appropriate	-	annal watered delactive			- In the second	H	3	+	
	Black Damsel Others	Neoghphidodon melas		5		5 .	4	5	5	7 5	4	,	5 ;
Parroffishes (Scaridae)	Bumphead Parrotish	Воговнеторон типости		0.3	SS.			- -		Š		:	
	Indianocean Longnose Part Bicolor Parrofish	Indianocean Longnose Pario Hipposearus hand Bicolor Parrocish Cetosearus bicolor	0.3 38	- -	+-	0.3 45	20	0.5	17 63	OT O	9	+-	
	Steaphead Parroffish	Scarus Ribbus	1	╙		ŀ÷		-+					-
Coarrishes (Mulidae)	Others Yellowija Goadish	Mulloidichthys vanicolens	N	m	+	1	2	72	7	-	-		0.5 22
	Yellowsaddle Goatfish	Parupeneus cyclosiomus					1.0 21						
	Others			-	+	-		1			2	-	
Rabbitfishes (Siganidae)	Rivulated Rabbittish Stellate Rabbitfish	Siganus rivulahis Siganus stellahis	to be a second s		1	1.0 23							
	Others	A THE PROPERTY OF THE PROPERTY	<u> </u>			ļļ	1				-	-	
Angelfishes (Pomacanthidae)	Yellowbar Angelfish Reeal Angelfish	Pomocarthus maculosus Pyroplies discentifus	0.8 20	9.0	13	0.3 28	-	0.3	97		3.8	ri Fi	2. S
	Others		2	******		4	1	1	C1	3	c		2
Complenis:													
					1					-		1	

No.2Averaged number of species in the four segments.

No.2Averaged number of species in the four segments.

No.2Averaged number of Secretaritides). Fouriers (Cassionidae) and "Others" except. Oroupers (Serranidae) were given by abundance caregories, (10.1.22-4, 2-14.11-15.4, 5:05.256, 6:027-1024, 7:1025-4094, 8:4097-16394).

SizeAveraged size of fishes in the four segments.