

APPENDIX A

Chapter 2: Full 3-way ANOVA tables for composition for a) number of species by groups and b) % mass by groups

a) Number of species

	Source	SS	df	MS	<i>F</i> -ratio	<i>p</i>
Kelp	Region	27.822	2	13.911	undefined	
	Beach(Region)	34.600	12	2.883	7.154	<0.001
	Visit	5.322	5	1.064	2.640	<0.05
	Region x Visit	6.756	10	0.676	1.677	NS
	Beach (Region)x Visit	24.200	60	0.403	2.088	<0.001
	Error	34.667	180	0.193		
Brown algae excluding kelps	Region	8.267	2	4.133	undefined	
	Beach(Region)	423.422	12	35.285	7.394	<0.001
	Visit	21.956	5	4.391	0.920	NS
	Region x Visit	76.844	10	7.684	1.610	NS
	Beach (Region)x Visit	286.311	60	4.772	3.551	<0.001
	Error	242.000	180	1.344		
Green algae	Region	3.622	2	1.811	undefined	
	Beach(Region)	58.955	12	4.913	4.149	<0.001
	Visit	12.756	5	2.551	2.155	NS
	Region x Visit	17.756	10	1.776	1.500	NS
	Beach (Region)x Visit	71.045	60	1.184	2.519	<0.001
	Error	84.667	180	0.470		
Log (Red algae + 1)	Region	18.216	2	9.108	undefined	
	Beach(Region)	54.264	12	4.522	5.075	<0.001
	Visit	6.025	5	1.205	1.352	NS
	Region x Visit	9.866	10	0.987	1.108	NS
	Beach (Region)x Visit	53.474	60	0.891	6.600	<0.001
	Error	24.337	180	0.135		

	Source	SS	df	MS	F-ratio	p
√Algal	Region	13.582	2	6.791	undefined	
	Beach(Region)	87.833	12	7.319	6.166	<0.001
	Visit	7.767	5	1.553	1.308	NS
	Region x Visit	21.380	10	2.138	1.801	NS
	Beach (Region)x Visit	71.210	60	1.187	6.025	<0.001
	Error	34.709	180	0.193		
Seagrass	Region	124.474	2	62.237	undefined	
	Beach(Region)	213.156	12	17.763	6.009	<0.001
	Visit	60.241	5	12.048	4.076	<0.01
	Region x Visit	28.548	10	2.855	0.966	NS
	Beach (Region)x Visit	177.378	60	2.956	3.299	<0.001
	Error	161.333	180	0.896		
Other	Region	60.007	2	30.004	undefined	
	Beach(Region)	133.089	12	11.091	3.079	<0.01
	Visit	66.952	5	13.390	3.717	<0.01
	Region x Visit	16.881	10	1.688	0.469	NS
	Beach (Region)x Visit	216.111	60	3.602	3.627	<0.001
	Error	178.667	180	0.993		

b) % mass by groups

	Source	SS	df	MS	F-ratio	p
Arcsine (Kelp)	Region	5.190	2	2.595	undefined	
	Beach(Region)	7.559	12	0.630	8.077	<0.001
	Visit	0.385	5	0.077	0.987	NS
	Region x Visit	0.457	10	0.046	0.590	NS
	Beach (Region)x Visit	4.685	60	0.078	2.167	<0.001
	Error	6.462	180	0.036		
Arcsine (Brown algae excluding kelps)	Region	1.131	2	0.566	undefined	
	Beach(Region)	17.112	12	1.426	8.056	<0.001
	Visit	1.515	5	0.303	1.712	NS
	Region x Visit	1.558	10	0.156	0.881	NS
	Beach (Region)x Visit	10.619	60	0.177	3.612	<0.001
	Error	8.736	180	0.049		
4 th root(Green algae)	Region	2.540	2	1.270	undefined	
	Beach(Region)	19.123	12	1.594	2.600	<0.01
	Visit	4.805	5	0.961	1.568	NS
	Region x Visit	4.277	10	0.428	0.698	NS
	Beach (Region)x Visit	36.809	60	0.613	2.462	<0.001
	Error	44.784	180	0.249		
4 th root (Red algae)	Region	13.008	2	6.504	undefined	
	Beach(Region)	56.459	12	4.705	6.636	<0.001
	Visit	5.311	5	1.062	1.498	NS
	Region x Visit	5.930	10	0.593	0.836	NS
	Beach (Region)x Visit	42.519	60	0.709	3.425	<0.001
	Error	37.278	180	0.207		

	Source	SS	df	MS	F-ratio	p
Arcsine (Algal)	Region	11.082	2	5.541	undefined	
	Beach(Region)	29.284	12	2.440	11.564	<0.001
	Visit	1.611	5	0.322	1.526	NS
	Region x Visit	1.954	10	0.195	0.924	NS
	Beach (Region)x Visit	12.688	60	0.211	4.907	<0.001
	Error	7.679	180	0.043		
4 th root(Seagrass)	Region	29.539	2	14.769	undefined	
	Beach(Region)	97.506	12	8.126	12.238	<0.001
	Visit	4.813	5	0.963	1.450	NS
	Region x Visit	6.786	10	0.679	1.023	NS
	Beach (Region)x Visit	39.828	60	0.664	6.510	<0.001
	Error	18.363	180	0.102		
Other	Region	29.341	2	14.671	undefined	
	Beach(Region)	48.698	12	4.058	4.070	<0.01
	Visit	12.072	5	2.414	2.421	<0.05
	Region x Visit	6.766	10	0.677	0.679	NS
	Beach (Region)x Visit	53.209	60	0.997	3.450	<0.001
	Error	52.034	180	0.289		
4 th root (Fragments)	Region	10.983	2	5.492	undefined	
	Beach(Region)	34.766	12	2.897	5.182	<0.001
	Visit	7.541	5	1.508	2.698	<0.05
	Region x Visit	7.891	10	0.789	1.411	NS
	Beach (Region)x Visit	33.548	60	0.559	4.545	<0.001
	Error	22.112	180	0.123		

APPENDIX B

Chapter 2: Complete list of algal and seagrass species and ‘other’ material, including taxonomic classifications

Phylum	Class	Order	Family	Genus	Species	Taxonomic authority
Chlorophyta						
	Bryopsidophyceae	Bryopsidales	Bryopsidaceae	<i>Bryopsis</i>	<i>vestita</i>	J. Agardh
			Caulerpacaeae	<i>Caulerpa</i>	<i>brownii</i>	(C. Agardh) Endlicher
				<i>Caulerpa</i>	<i>flexilis</i>	Lamouroux
				<i>Caulerpa</i>	<i>longifolia</i>	C. Agardh
				<i>Caulerpa</i>	<i>obscura</i>	Sonder
				<i>Caulerpa</i>	<i>scapelliformis</i>	(R. Brown ex Turner) C. Agardh
				<i>Caulerpa</i>	<i>simpliciuscula</i>	(Turner) C. Agardh
				<i>Caulerpa</i>	sp.	Lamouroux
				<i>Caulerpa</i>	<i>trifaria</i>	Harvey
				<i>Caulerpa</i>	<i>cactoides</i>	(Turner) C. Agardh
			Codiaceae	<i>Codium</i>	<i>duthieae</i>	Silva
				<i>Codium</i>	<i>fragile</i>	(Suringar) Hariot
				<i>Codium</i>	sp.	Stackhouse
				<i>Codium</i>	<i>pomoides</i>	J. Agardh
			Udoteaceae	<i>Halimeda</i>	<i>cylindracea</i>	Decaisne
	Cladophorophyceae	Cladophorales	Cladophoraceae	<i>Apjohnia</i>	<i>laetivirens</i>	Harvey
				<i>Apjohnia</i>	sp.	Harvey
				<i>Chaetomorpha</i>	<i>coliformis</i>	(Montagne) Kützing
				<i>Cladophora</i>	<i>feredayi</i>	Harvey
				<i>Cladophora</i>	sp.	Kützing
				<i>Cladophora</i>	<i>valoniodes</i>	Sonder
	Ulvophyceae	Ulvales	Ulvaceae	<i>Enteromorpha</i>	<i>compressa</i>	(Linnaeus) Greville
				<i>Ulva</i>	<i>australis</i>	Areschoug

Phylum	Class	Order	Family	Genus	Species	Taxonomic authority
				<i>Ulva</i>	<i>lactuca</i>	Linnaeus
Phaeophyta	Phaeophyceae	Chordariales	Chordariaceae	<i>Chordaria</i>	<i>cladosiphon</i>	Kützing 1859
				<i>Cladosiphon</i>	<i>vermicularis</i>	(J. Agardh) Kylin 1940
		Dictyotales	Dictyotaceae	<i>Chlanidophora</i>	<i>microphylla</i>	(Harvey) J. Agardh 1894
				<i>Dictyopteris</i>	<i>muelleri</i>	(Sonder) Reinbold
				<i>Dictyota</i>	<i>ciliolata</i>	Kützing
				<i>Dictyota</i>	<i>dichotoma</i>	(Hudson) Lamouroux
				<i>Dictyota</i>	sp.	Lamouroux
				<i>Distromium</i>	<i>flabellatum</i>	Womersley 1967
				<i>Glossophora</i>	<i>nigricans</i>	(J. Agardh) Womersley
				<i>Lobophora</i>	<i>variegata</i>	(Lamouroux)
						Womersley ex Oliveria
				<i>Lobospira</i>	<i>bicuspidata</i>	Areschoug
				<i>Pachydictyon</i>	<i>paniculatum</i>	(J. Agardh) J. Agardh
						1894
				<i>Pachydictyon</i>	sp.	J. Agardh 1894
				<i>Styopodium</i>	<i>australasicum</i>	(Zanardini) Allender &
						Kraft
				<i>Styopodium</i>	<i>flabelliforme</i>	Weber-van Bosse
				<i>Styopodium</i>	sp.	Kützing
				<i>Zonaria</i>	<i>angustata</i>	(Kützing) Papenfuss
				<i>Zonaria</i>	sp.	C. Agardh
				<i>Zonaria</i>	<i>spiralis</i>	(J. Agardh) Papenfuss
				<i>Zonaria</i>	<i>turneriana</i>	J. Agardh
		Durvillaeales	Durvillaeaceae	<i>Durvillaea</i>	<i>potatorum</i>	Labillardière
		Ectocarpales	Ectocarpaceae	<i>Ectocarpus</i>	<i>fasciculatus</i>	Harvey 1841
				<i>Ectocarpus</i>	sp.	Lyngbye 1819
				<i>Hincksia</i>	sp.	J. E. Gray
		Fucales	Cystoseiraceae	<i>Acrocarpia</i>	<i>paniculata</i>	(Turner) Areschoug
				<i>Acrocarpia</i>	<i>robusta</i>	Womersley
				<i>Carpoglossum</i>	<i>confluens</i>	(R. Brown ex Turner)

Phylum	Class	Order	Family	Genus	Species	Taxonomic authority
				<i>Caulocystis</i>	<i>cephalornithos</i>	Kutzing (Labillardière)
				<i>Caulocystis</i>	<i>uvifera</i>	Areschoug (C. Agardh) Areschoug
				<i>Cystophora</i>	spp.	J. Agardh
				<i>Cystoseira</i>	<i>trinoides</i>	(Forsskal) C. Agardh
				<i>Hormophysa</i>	<i>cuneiformis</i>	(Gmelin) Silva
				<i>Myriodesma</i>	sp.	J. Agardh
				<i>Platythalia</i>	<i>angustifolia</i>	Sonder
				<i>Scaberia</i>	<i>agardhii</i>	Greville
			Fucaceae	<i>Xiphophora</i>	<i>chondrophylla</i>	(R. Brown ex Turner) Montagne ex Harvey
			Hormosiraceae	<i>Hormosira</i>	<i>banksii</i>	(Turner) Decaisne
			Notheiaceae	<i>Notheia</i>	<i>anomala</i>	Harvey and Bailey
			Sargassaceae	<i>Sargassum</i>	spp.	C. Agardh
			Seirococcaceae	<i>Phyllospora</i>	<i>comosa</i>	(Labillardiere) C. Agardh
				<i>Scytothalia</i>	<i>doryocarpa</i>	(Turner) Greville
				<i>Seirococcus</i>	<i>axillaris</i>	(R. Brown ex Turner) Greville
		Laminariales	Alariaceae	<i>Ecklonia</i>	<i>radiata</i>	(C. Agardh) J. Agardh
			Lessoniaceae	<i>Macrocystis</i>	<i>angustifolia</i>	Bory
		Scytosiphonales	Scytosiphonaceae	<i>Colpomenia</i>	<i>peregrina</i>	(Endlicher) Derbes & Solier
				<i>Hydroclathrus</i>	<i>clathratus</i>	(C. Agardh) Howe
				<i>Rosenvingea</i>	sp.	Børgesen
		Scytothamnales	Splachnidiaceae	<i>Splachnidium</i>	<i>rugosum</i>	(Linnaeus) Greville
		Sphacelariales	Cladostephaceae	<i>Cladostephus</i>	<i>spongiosus</i>	(Hudson) C. Agardh
			Stypocaulaceae	<i>Halopteris</i>	<i>paniculata</i>	(Suhr) Prud'homme van Reine
				<i>Halopteris</i>	sp.	
			Sporochneaceae	<i>Carpomitra</i>	<i>costata</i>	(Stackhouse) Batters

Phylum	Class	Order	Family	Genus	Species	Taxonomic authority			
Rhodophyta				<i>Encyothalia</i>	<i>cliftoni</i>	Harvey			
				<i>Perithalia</i>	<i>caudata</i>	(Labillardière) Womersley			
						<i>Sporochnus</i>	<i>comosus</i>	C. Agardh	
				Bangiophyceae	Bangiales	Bangiaceae	<i>Porphyra</i>	sp.	C. Agardh
				Florideophyceae	Bonnemaisoniales	Bonnemaisoniaceae	<i>Asparagopsis</i>	<i>armata</i>	Harvey
							<i>Asparagopsis</i>	<i>taxiformis</i>	(Delile) Trevisan
							<i>Delisea</i>	<i>pulchra</i>	(Greville) Montagne
							<i>Ptilonia</i>	<i>australasica</i>	Harvey
					Ceramiales	Ceramiaceae	<i>Ballia</i>	<i>callitricha</i>	(C. Agardh) Montagne
				<i>Ballia</i>			sp.		
				<i>Carpothamnion</i>			<i>gunnianum</i>	(Harvey) Kützing	
				<i>Carpothamnion</i>			sp.	Kützing	
				<i>Ceramium</i>			<i>flaccidum</i>	(Harvey ex Kützing) Ardissonne	
				<i>Ceramium</i>			sp.	Roth	
				<i>Euptilota</i>			<i>articulata</i>	(J. Agardh) Schmitz	
				<i>Euptilota</i>			sp.	Kützing	
				<i>Griffithsia</i>			<i>monilis</i>	Harvey	
				<i>Haloplegma</i>			<i>preissii</i>	(Harvey) Montagne	
				<i>Wrangelia</i>			sp.		
								Dasyaceae	<i>Dasya</i>
							<i>Heterosiphonia</i>	<i>muelleri</i>	(Sonder) De Toni
							<i>Heterosiphonia</i>	sp.	Montagne
		Delesseriaceae	<i>Claudea</i>	<i>elegans</i>	Lamouroux				
			<i>Cotoniella</i>	sp.	Børgesen				
			<i>Craspedocarpus</i>	<i>ramentaceus</i>					
			<i>Craspedocarpus</i>	sp.					
			<i>Hemineura</i>	<i>frondosa</i>	(J. Hooker & Harvey) Harvey				
			<i>Heterodoxia</i>	<i>denticulata</i>	(Kuntze) J. Agardh				

Phylum	Class	Order	Family	Genus	Species	Taxonomic authority
				<i>Heterodoxia</i>	sp.	J. Agardh
				<i>Hymenena</i>	<i>curdieana</i>	
				<i>Hymenena</i>	sp.	
				<i>Platysiphonia</i>	sp.	Børgesen
				<i>Sarcomenia</i>	<i>delesserioides</i>	Sonder
			Rhodomelaceae	<i>Acanthophora</i>	sp.	Lamouroux
				<i>Chondria</i>	sp. 1	C. Agardh
				<i>Chondria</i>	sp. 2	C. Agardh
				<i>Cliftonaea</i>	<i>pectinata</i>	(Harvey) Harvey
				<i>Dictyomenia</i>	sp.	Greville
				<i>Dictyomenia</i>	<i>harveyana</i>	Sonder
				<i>Dictyomenia</i>	<i>tridens</i>	(Mertens ex turner) Greville
				<i>Echinothamnion</i>	<i>mallardiae</i>	(Harvey) Kylin ex P. Silva
				<i>Echinothamnion</i>	sp.	Kylin
				<i>Jeannerettia</i>	<i>pedicellata</i>	
				<i>Laurencia</i>	<i>clavata</i>	Sonder
				<i>Laurencia</i>	<i>majuscula</i>	(Harvey) Lucas
				<i>Laurencia</i>	sp.	Lamouroux
				<i>Lenormandia</i>	sp.	(Hooker & Harvey)
				<i>Melanamansia</i>	sp.	R. Norris
				<i>Neurymenia</i>	sp.	J. Agardh
				<i>Osmundaria</i>	<i>prolifera</i>	Lamouroux
				<i>Polysiphonia</i>	sp.	Greville
				<i>Spirocladia</i>	sp.	Børgesen
		Corallinales	Corallinaceae	<i>Haliptilon</i>	<i>roseum</i>	(Lamarck) Garbary & Johansen
				<i>Jania</i>	<i>micrarthrodia</i>	Lamouroux
				<i>Metagoniolithon</i>	<i>stelliferum</i>	(Lamarck) Weber-van Bosse
		Gelidiales	Gelidiceae	<i>Gelidium</i>	<i>australe</i>	J. Agardh

Phylum	Class	Order	Family	Genus	Species	Taxonomic authority	
				<i>Gelidium</i>	sp.	J. Agardh	
				<i>Pterocladia</i>	<i>capillacea</i>	(Gmelin) Bornet	
				<i>Pterocladia</i>	<i>lucida</i>	(R. Brown) J. Agardh	
				<i>Pterocladia</i>	<i>rectangularis</i>	(Lucas) Womersley & Guiry	
		Gigartinales	Acrosymphytaceae	<i>Pterocladia</i>	sp.	J. Agardh	
				<i>Acrosymphyton</i>	sp.	Sjöstedt	
				Acrotylaceae	<i>Amphiplexia</i>	sp.	J. Agardh
				Gigartinaceae	<i>Gigartina</i>	<i>disticha</i>	Sonder
					<i>Gigartina</i>	sp.	Stackhouse
				Hypneaceae	<i>Hypnea</i>	<i>racementacea</i>	(C. Agardh) J. Agardh
					<i>Hypnea</i>	sp.	Lamouroux
				Kallymeniaceae	<i>Callophyllis</i>	<i>lambertii</i>	(Turner) J. Agardh
					<i>Callophyllis</i>	<i>rangifera</i>	(R. Brown ex Turner) Womersley
					<i>Callophyllis</i>	sp.	Kützing
					<i>Glaphrymenia</i>	<i>pustulosa</i>	J. Agardh
					<i>Kallymenia</i>	<i>cribosa</i>	Harvey
					<i>Kallymenia</i>	sp.	J. Agardh
				Nizymeniaceae	<i>Kallymenia</i>	<i>tasmanica</i>	Harvey
					<i>Nizymenia</i>	<i>australis</i>	
					<i>Nizymenia</i>	<i>conferta</i>	(Harvey) Chiovitti, Saunders & Kraft
					<i>Nizymenia</i>	<i>furcata</i>	(Harvey) Chiovitti, Saunders & Kraft
					<i>Nizymenia</i>	sp.	Sonder
			Peyssonneliaceae	<i>Peyssonnelia</i>	<i>australis</i>		
			Phacelocarpaceae	<i>Phacelocarpus</i>	<i>peperocarpus</i>	(Poiret) Wynne, André & Silva	
			Solieriaceae	<i>Callophycus</i>	<i>harveyanus</i>	(J. Agardh) P. Silva	
				<i>Callophycus</i>	<i>oppositifolius</i>	(C. Agardh) P. Silva	

Phylum	Class	Order	Family	Genus	Species	Taxonomic authority
				<i>Callophycus</i>	<i>serratus</i>	(Harvey ex Kützing) P. Silva
				<i>Callophycus</i>	sp.	Trevisan
				<i>Erythroclonium</i>	<i>muelleri</i>	
				<i>Erythroclonium</i>	sp.	Sonder
				<i>Sarconema</i>	sp.	Zanardini
				<i>Soliera</i>	<i>robusta</i>	(Greville) Kylin
				<i>Soliera</i>	sp.	J. Agardh
		Gracilariales	Gracilariaceae	<i>Curdiea</i>	<i>angustata</i>	(Sonder) Millar
				<i>Curdiea</i>	<i>laciniata</i>	
				<i>Curdiea</i>	<i>obesa</i>	(Harvey) Kylin
				<i>Gracilaria</i>	<i>blodgetti</i>	Harvey
				<i>Gracilaria</i>	<i>cliftonii</i>	Withell, Millar & Kraft
				<i>Gracilaria</i>	<i>harveyana</i>	J. Agardh
				<i>Gracilaria</i>	<i>secundata</i>	Harvey
				<i>Gracilaria</i>	sp. 1	Greville
				<i>Gracilaria</i>	sp. 2	Greville
		Halymeniales	Halymeniaceae	<i>Carpopeltis</i>	sp.	Schimtz
				<i>Cryptonemia</i>	<i>kallymenioides</i>	(Harvey) Kraft
				<i>Cryptonemia</i>	sp. 1	J. Agardh
				<i>Cryptonemia</i>	sp. 2	J. Agardh
				<i>Epiphloea</i>	sp.	J. Agardh
				<i>Gelinaria</i>	sp.	Sonder
				<i>Grateloupia</i>	<i>filicina</i>	(Lamouroux) C. Agardh
				<i>Halymenia</i>	sp.	C. Agardh
				<i>Polyopes</i>	<i>constrictus</i>	(Turner) J. Agardh
		Halymeniales	Sebdeniaceae	<i>Sebdenia</i>	sp.	(J. Agradh) Parkinson
		Namaliales	Liagoraceae	<i>Ganonema</i>	<i>farinosum</i>	(Lamouroux) Fan & Wang
				<i>Helminthocladia</i>	sp.	J. Agardh
				<i>Liagora</i>	sp.	Lamouroux
				<i>Liagora</i>	<i>wilsoniana</i>	Zeh

Phylum	Class	Order	Family	Genus	Species	Taxonomic authority
		Plocamiales	Plocamiaceae	<i>Plocamium</i>	<i>angustum</i>	(J. Agardh) Hooker & Harvey
				<i>Plocamium</i>	<i>cartilagineum</i>	(Linnaeus) Dixon
				<i>Plocamium</i>	<i>dilatatum</i>	J. Agardh
				<i>Plocamium</i>	<i>mertensii</i>	(Greville) Harvey
				<i>Plocamium</i>	<i>pressianum</i>	Sonder
				<i>Plocamium</i>	sp.	Lamouroux
		Rhodymeniales	Rhodymeniaceae	<i>Botryocladia</i>	<i>obovata</i>	(Sonder) Kylin
			Champiaceae	<i>Champia</i>	sp.	Desvaux
				<i>Champia</i>	<i>viridis</i>	C. Agardh
			Faucheceae	<i>Coelothrix</i>	<i>irregularis</i>	BØrgesen
			Rhodymeniaceae	<i>Gliocladia</i>	<i>halymenioides</i>	(Harvey) R. Norris
				<i>Rhodymenia</i>	<i>australis</i>	Sonder
				<i>Rhodymenia</i>	<i>sonderi</i>	P. Silva
				<i>Rhodymenia</i>	sp.	Greville
Magnoliophyta						
	Liliopsida					
		Hydrocharitales	Hydrocharitaceae	<i>Halophila</i>	<i>australis, leaves</i>	Doty & Stone
				<i>Halophila</i>	<i>australis, stems</i>	
				<i>Halophila</i>	<i>ovalis</i>	(R. Brown) J.D. Hooker
		Potamogetonales	Cymodoceaceae	<i>Amphibolis</i>	<i>antarctica</i>	(Labillardiere) Sonder & Ascherson
				<i>Amphibolis</i>	<i>antarctica, seedlings</i>	
				<i>Amphibolis</i>	<i>antarctica, roots & stems</i>	
				<i>Amphibolis</i>	<i>griffithii</i>	(J. Black) den Hartog
				<i>Amphibolis</i>	<i>griffithii, seedlings</i>	
				<i>Amphibolis</i>	unknown sp., leaves	
				<i>Amphibolis</i>	unknown sp., stems & roots	
			Posidoniaceae	<i>Posidonia</i>	<i>australis</i>	(Hook. F.)
				<i>Posidonia</i>	<i>coriacea</i>	Cambridge & J. Kuo
				<i>Posidonia</i>	<i>coriacea, fruits</i>	

Phylum	Class	Order	Family	Genus	Species	Taxonomic authority
				<i>Posidonia</i>	<i>sinuosa</i>	Cambridge and J. Kuo (Martens ex Ascherson) den Hartog
				<i>Posidonia</i>	<i>sinuosa, fruits</i>	
			Zosteraceae	<i>Posidonia</i>	sp.	
				<i>Zostera</i>	sp., leaves	
				<i>Zostera</i>	sp., stems & roots	
				<i>Heterozostera</i>	<i>tasmanica.</i>	

Other material

- Wood and bark
- Feathers
- Terrestrial vegetation
- Cuttlebone
- Ascidian
- Sponge
- Veleva veleva*
- Anthropogenic debris
- Worm casing
- Shark egg
- Hard coral
- Rock
- Shell
- Stalked ascidian
- Crab exoskeleton
- Egg shell
- Carrion
- Urchin
- Burnt wood
- Seagrass fibreball
- Fragments

APPENDIX C

Chapter 4. List of taxa found in the pit-fall trapping studies on four South Australian sandy beaches. Species list is compiled from Studies 1 and 2. The species found in Study 1 were a subset of those in Study 2, with the addition of 2 species, indicated by a *, which were only found in Study 1.

Class	Order	Family	Species
Arachnida	Acarina	Unknown family	sp. 1
		Unknown family	sp. 2
	Araneae	Clubionidae	sp. 1
		Lycosidae	sp. 1
		Lycosidae	sp. 2
		Lycosidae	sp. 3
		Thomisidae	sp. 1
		Thomisidae	sp. 2
Crustacea	Amphipoda	Talitridae	<i>Talorchestia quadrimana</i> Dana 1852
	Decapoda	Grapsidae	<i>Cyclograpsus audouinii</i> Milne Edwards 1837
	Isopoda	Eurydicidae	<i>Cirolana corpulenta</i> Hale 1925
		Porcellionidae	sp. 1
		Scyphacidae	<i>Actaecia pallida</i> Nicholls & Barnes 1926
Insecta	Coleoptera	Carabidae	sp. 1
		Carabidae	sp. 2
		Carabidae	sp. 3
Insecta	Coleoptera	Carabidae	sp. 4
		Coccinellidae	sp. 1

Class	Order	Family	Species
		Curculionidae	<i>Aphela phalenoides</i> Pascoe
		Curculionidae	sp. 1
		Curculionidae	sp. 2
		Curculionidae	sp. 3
		Curculionidae	sp. 4
		Elateridae	sp. 1
		Elmidae	<i>Hyocis bakewelli</i> Pascoe
		Elmidae	<i>Scymenena amphibia</i> Pascoe
		Phycosecidae	<i>Phycosecis litoralis</i> Pascoe
		Scarabaeidae	sp. 1
		Scarabaeidae	sp. 2
		Staphylinidae	<i>Cafius</i> sp. 1
		Staphylinidae	<i>Cafius</i> sp. 2
		Tenebrionidae	sp. 1
		Tenebrionidae	sp. 2
		Tenebrionidae	<i>Trachyscelis ciliaris</i> Champion
		Unknown family	sp. 1
	Dermaptera	Forficulidae	sp. 1
	Diptera	Blephariceridae	larva sp. 1*
		Chironomidae	sp. 1
		Ciccadellidae	sp. 1
		Coelopidae	larva sp. 1
		Coelopidae	sp. 1
		Coelopidae	sp. 2
Insecta	Diptera	Coelopidae	sp. 3
		Ephydriidae	sp. 1
		Sciomyzidae	larva sp. 1

Class	Order	Family	Species
		Tethinidae	sp. 1
		Scarophagidae	sp. 1
	Grylloblattodea	Grylloblattidae	sp. 1
		Grylloblattidae	sp. 2
	Hemiptera	Naucoridae	sp. 1
		Naucoridae	sp. 2
	Hymenoptera	Formicidae	sp. 1
		Formicidae	sp. 2
		Apoidea	sp. 1
		Ichneumonidae	sp. 1
		Evaniidae	sp. 1
	Lepidoptera	Unknown family	sp. 1*
	Mecoptera	Unknown family	larva sp. 1
	Myriapoda	Julidae	sp. 1
	Orthoptera	Unknown family	sp. 1
	Psocoptera	Unknown family	sp. 1
	Thysanoptera	Unknown family	sp. 1
	Trichoptera	Unknown family	larva sp. 1
Non-insect Hexapoda	Collembola	Onychiuridae	sp. 1

Chapter 7: List of taxa not found in Chapter 4 that were found in the wrack removal experiments on 4 South Australian sandy beaches

Class	Order	Family	Species
Arachnida	Araneae	Unknown family	Araneae sp. 1
Insecta	Coleoptera	Elateridae	Elateridae sp. 2
		Zopheridae	Zopheridae sp. 1
		Scarabaeidae	Scarabaeidae sp. 3
		Curculionidae	Curculionidae larva sp. 1
	Diptera	Coelopidae	Coelopidae sp. 4
Hymenoptera	Formicidae	Formicidae sp. 3	
Polychaeta			sp. 1