

Table S2. Vertical distributions of the mean, standard deviation (SD), relative abundance (RA), and occurrence frequency (OF) of the copepod species found in Campos Basin, during the dry season.

Taxa	Dry Season															
	1 m				250 m				800 m				1,200 m			
	Mean	SD	RA	OF	Mean	SD	RA	OF	Mean	SD	RA	OF	Mean	SD	RA	OF
Calanoida	469.83	1222.11	10.23	20.00	2.87	4.54	7.91	24.29	25.69	77.92	30.16	15.71	0.04	0.03	3.23	10.00
Aetideidae	–	–	–	–	0.05	0.09	0.13	8.57	0.003	0.01	0.003	2.86	0.001	0.002	0.05	1.43
<i>Aetideus giesbrechti</i>	–	–	–	–	0.01	0.04	0.03	2.86	0.0004	0.002	0.001	1.43	–	–	–	–
<i>Aetideus</i> sp.	–	–	–	–	0.00	0.01	0.01	1.43	–	–	–	–	–	–	–	–
<i>Chiridiella atlantica</i>	–	–	–	–	–	–	–	–	0.01	0.04	0.01	1.43	–	–	–	–
<i>Chiridius gracilis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Chirundina streetsii</i>	–	–	–	–	0.09	0.23	0.25	8.57	0.02	0.06	0.02	4.29	–	–	–	–
<i>Euchirella curticauda</i>	–	–	–	–	0.00	0.02	0.01	1.43	–	–	–	–	0.001	0.002	0.05	1.43
<i>Euchirella pulchra</i>	–	–	–	–	–	–	–	–	0.003	0.01	0.003	2.86	0.001	0.002	0.05	1.43
<i>Euchirella messinensis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Euchirella</i> spp.	–	–	–	–	–	–	–	–	0.01	0.04	0.01	2.86	–	–	–	–
<i>Gaetanus kruppi</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Gaetanus miles</i>	–	–	–	–	0.00	0.01	0.01	1.43	–	–	–	–	–	–	–	–
<i>Gaetanus minor</i>	–	–	–	–	0.12	0.24	0.34	14.29	0.002	0.01	0.002	1.43	–	–	–	–
<i>Gaetanus pileatus</i>	–	–	–	–	0.002	0.01	0.004	1.43	–	–	–	–	–	–	–	–
<i>Gaetanus tenuispinus</i>	–	–	–	–	0.05	0.13	0.14	5.71	0.11	0.38	0.13	2.86	–	–	–	–
<i>Gaetanus</i> spp.	–	–	–	–	0.04	0.10	0.12	7.14	–	–	–	–	–	–	–	–
<i>Undeuchaeta major</i>	–	–	–	–	0.01	0.04	0.02	1.43	–	–	–	–	–	–	–	–
<i>Undeuchaeta plumosa</i>	–	–	–	–	0.02	0.09	0.06	4.29	0.20	0.76	0.23	2.86	–	–	–	–
<i>Undeuchaeta</i> spp.	–	–	–	–	0.02	0.09	0.06	2.86	–	–	–	–	–	–	–	–
<i>Acartia danae</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Acartia lilljeborgi</i>	0.18	0.86	0.004	1.43	–	–	–	–	–	–	–	–	–	–	–	–
<i>Acartia longiremis</i>	0.22	1.02	0.005	1.43	–	–	–	–	–	–	–	–	–	–	–	–
<i>Acartia</i> spp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Arietellus plumifer</i>	–	–	–	–	0.02	0.07	0.04	1.43	0.002	0.01	0.002	1.43	–	–	–	–
Augaptilidae	–	–	–	–	0.18	0.72	0.49	5.71	0.24	0.75	0.28	7.14	–	–	–	–
<i>Euaugaptilus facilis</i>	–	–	–	–	–	–	–	–	0.01	0.04	0.01	1.43	–	–	–	–
<i>Euaugaptilus hecticus</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Euaugaptilus</i> spp	–	–	–	–	0.01	0.06	0.03	1.43	0.003	0.01	0.003	2.86	–	–	–	–
<i>Haloptilus austini</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Haloptilus longicirrus</i>	–	–	–	–	0.14	0.36	0.38	5.71	–	–	–	–	–	–	–	–
<i>Haloptilus longicornis</i>	0.26	1.20	0.01	1.43	0.13	0.29	0.36	10.00	0.01	0.04	0.01	1.43	0.002	0.01	0.16	1.43

Taxa	Dry Season															
	1 m				250 m				800 m				1,200 m			
	Mean	SD	RA	OF	Mean	SD	RA	OF	Mean	SD	RA	OF	Mean	SD	RA	OF
<i>Paraeuchaeta</i> sp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Heterorhabdidae	–	–	–	–	0.13	0.46	0.36	5.71	0.03	0.08	0.03	2.86	–	–	–	–
<i>Heterorhabdus austrinus</i>	–	–	–	–	0.01	0.02	0.02	4.29	–	–	–	–	0.001	0.003	0.08	1.43
<i>Heterorhabdus papilliger</i>	–	–	–	–	0.38	0.93	1.06	20.00	0.20	0.76	0.23	1.43	0.002	0.003	0.12	2.86
<i>Heterorhabdus spinifrons</i>	2.01	7.03	0.04	4.29	0.26	0.40	0.72	18.57	0.004	0.02	0.01	2.86	0.02	0.05	1.39	1.43
<i>Heterorhabdus</i> spp.	0.37	1.04	0.01	4.29	2.68	8.55	7.40	21.43	0.51	1.57	0.60	7.14	0.05	0.07	4.15	5.71
<i>Paraheterorhabdus vipera</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Lucicutia clausii</i>	–	–	–	–	0.07	0.16	0.20	11.43	–	–	–	–	–	–	–	–
<i>Lucicutia flavicornis</i>	49.94	113.34	1.09	21.43	0.31	0.61	0.87	14.29	0.01	0.02	0.01	2.86	0.02	0.03	1.79	7.14
<i>Lucicutia gaussae</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Lucicutia longicornis</i>	–	–	–	–	–	–	–	–	0.01	0.04	0.01	1.43	–	–	–	–
<i>Lucicutia magna</i>	–	–	–	–	–	–	–	–	–	–	–	–	0.003	0.01	0.23	1.43
<i>Lucicutia ovalis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Lucicutia wolfendeni</i>	–	–	–	–	–	–	–	–	0.0004	0.002	0.0005	1.43	0.01	0.02	0.72	4.29
<i>Lucicutia</i> spp.	43.05	148.86	0.94	8.57	0.37	0.90	1.01	11.43	0.17	0.43	0.20	7.14	0.005	0.01	0.38	2.86
<i>Metridia brevicauda</i>	–	–	–	–	–	–	–	–	0.10	0.38	0.12	2.86	–	–	–	–
<i>Metridia princeps</i>	–	–	–	–	–	–	–	–	0.003	0.01	0.003	2.86	–	–	–	–
<i>Metridia</i> spp.	–	–	–	–	–	–	–	–	0.11	0.38	0.13	4.29	–	–	–	–
<i>Pleuromamma abdominalis</i>	15.16	69.93	0.33	2.86	0.33	0.95	0.90	8.57	0.01	0.03	0.01	4.29	0.004	0.01	0.32	1.43
<i>Pleuromamma gracilis</i>	22.67	84.60	0.49	10.00	0.48	1.58	1.32	10.00	0.43	1.50	0.50	11.43	0.01	0.01	0.42	4.29
<i>Pleuromamma piseki</i>	16.55	53.19	0.36	4.29	0.02	0.09	0.06	4.29	0.01	0.04	0.01	1.43	–	–	–	–
<i>Pleuromamma xiphias</i>	0.28	1.32	0.01	1.43	0.02	0.09	0.07	5.71	0.005	0.02	0.01	1.43	0.001	0.002	0.05	1.43
<i>Pleuromamma</i> spp.	22.28	74.24	0.49	10.00	1.90	4.96	5.25	25.71	0.17	0.43	0.19	5.71	0.001	0.002	0.07	1.43
Paracalanidae	117.59	270.28	2.56	17.14	1.27	3.67	3.51	10.00	0.80	3.02	0.94	4.29	–	–	–	–
<i>Acrocalanus gracilis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Acrocalanus longicornis</i>	62.42	162.69	1.36	18.57	–	–	–	–	0.002	0.01	0.002	1.43	–	–	–	–
<i>Acrocalanus</i> spp.	0.16	0.76	0.00	1.43	–	–	–	–	–	–	–	–	–	–	–	–
<i>Calocalanus contractus</i>	2.36	4.80	0.05	8.57	0.02	0.07	0.06	2.86	0.01	0.02	0.01	2.86	0.02	0.03	1.54	4.29
<i>Calocalanus pavo</i>	0.79	2.64	0.02	2.86	–	–	–	–	0.0005	0.002	0.001	1.43	–	–	–	–
<i>Calocalanus pavoninus</i>	19.43	58.56	0.42	14.29	0.01	0.02	0.02	2.86	0.002	0.01	0.002	1.43	–	–	–	–
<i>Calocalanus</i> spp.	0.99	2.20	0.02	5.71	–	–	–	–	0.01	0.04	0.01	1.43	–	–	–	–
<i>Mecynocera clausi</i>	3.71	8.89	0.08	10.00	0.02	0.05	0.05	2.86	0.002	0.01	0.002	2.86	0.01	0.03	0.85	2.86
<i>Paracalanus aculeatus</i>	11.69	37.06	0.25	8.57	0.12	0.58	0.34	1.43	0.05	0.18	0.05	1.43	0.004	0.01	0.35	1.43
<i>Paracalanus nanus</i>	–	–	–	–	0.01	0.06	0.03	1.43	–	–	–	–	–	–	–	–

Taxa	Dry Season															
	1 m				250 m				800 m				1,200 m			
	Mean	SD	RA	OF	Mean	SD	RA	OF	Mean	SD	RA	OF	Mean	SD	RA	OF
<i>Paracalanus parvus</i>	6.60	19.85	0.14	10.00	0.05	0.22	0.13	1.43	–	–	–	–	–	–	–	–
<i>Paracalanus quasimodo</i>	296.29	610.22	6.45	24.29	0.56	2.25	1.54	5.71	0.09	0.33	0.10	1.43	–	–	–	–
Phaennidae	0.16	0.60	0.003	2.86	0.01	0.03	0.02	1.43	–	–	–	–	–	–	–	–
<i>Xanthocalanus marlyae</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Nullosetigera helgae</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Nullosetigera</i> sp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pontellidae	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Calanopia americana</i>	20.81	66.44	0.45	8.57	–	–	–	–	–	–	–	–	–	–	–	–
<i>Calanopia</i> sp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Labidocera acutifrons</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Labidocera fluviatilis</i>	0.60	2.80	0.01	1.43	–	–	–	–	–	–	–	–	–	–	–	–
<i>Labidocera</i> spp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Pontellina plumata</i>	0.31	1.01	0.01	2.86	–	–	–	–	–	–	–	–	–	–	–	–
<i>Pontellina</i> sp.	–	–	–	–	–	–	–	–	–	–	–	–	0.001	0.004	0.10	1.43
<i>Pontellopsis villosa</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Rhincalanus cornutus</i>	47.31	148.26	1.03	4.29	0.02	0.06	0.05	2.86	0.51	1.51	0.60	14.29	0.001	0.004	0.10	1.43
<i>Rhincalanus nasutus</i>	–	–	–	–	–	–	–	–	–	–	–	–	0.04	0.05	3.06	5.71
<i>Rhincalanus</i> spp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Scolecitrichidae	16.24	43.95	0.35	11.43	0.60	1.10	1.65	18.57	0.40	0.86	0.47	8.57	0.02	0.02	1.23	5.71
<i>Amallothrix dentipes</i>	–	–	–	–	–	–	–	–	0.002	0.01	0.002	1.43	0.005	0.01	0.38	1.43
<i>Amallothrix tenuiserrata</i>	0.90	2.17	0.02	5.71	1.35	5.71	3.73	8.57	–	–	–	–	0.01	0.04	1.05	1.43
<i>Amallothrix</i> spp.	–	–	–	–	0.03	0.10	0.08	2.86	–	–	–	–	–	–	–	–
<i>Lophothrix frontalis</i>	–	–	–	–	0.01	0.06	0.03	1.43	–	–	–	–	0.002	0.004	0.15	2.86
<i>Lophothrix latipes</i>	–	–	–	–	–	–	–	–	0.10	0.38	0.11	1.43	–	–	–	–
<i>Lophothrix quadrispinosa</i>	–	–	–	–	–	–	–	–	–	–	–	–	0.004	0.01	0.35	1.43
<i>Lophothrix</i> spp.	–	–	–	–	–	–	–	–	0.20	0.76	0.23	1.43	–	–	–	–
<i>Pseudoamallothrix ovata</i>	–	–	–	–	0.03	0.12	0.08	2.86	–	–	–	–	–	–	–	–
<i>Pseudoamallothrix profunda</i>	–	–	–	–	0.001	0.01	0.003	1.43	–	–	–	–	–	–	–	–
<i>Racovitzanus levis</i>	–	–	–	–	0.01	0.05	0.03	1.43	–	–	–	–	–	–	–	–
<i>Scaphocalanus brevicornis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Scaphocalanus echinatus</i>	–	–	–	–	0.04	0.09	0.10	5.71	–	–	–	–	–	–	–	–
<i>Scaphocalanus elongatus</i>	–	–	–	–	–	–	–	–	–	–	–	–	0.001	0.002	0.05	1.43
<i>Scaphocalanus magnus</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Scaphocalanus subbrevicornis</i>	–	–	–	–	–	–	–	–	–	–	–	–	0.001	0.002	0.05	1.43

Taxa	Dry Season															
	1 m				250 m				800 m				1,200 m			
	Mean	SD	RA	OF	Mean	SD	RA	OF	Mean	SD	RA	OF	Mean	SD	RA	OF
<i>Scaphocalanus</i> spp.	–	–	–	–	0.005	0.02	0.01	1.43	0.02	0.06	0.02	1.43	–	–	–	–
<i>Scolecithricella dentata</i>	–	–	–	–	0.05	0.13	0.13	4.29	–	–	–	–	0.003	0.01	0.20	2.86
<i>Scolecithricella minor</i>	4.92	17.79	0.11	2.86	2.67	8.65	7.39	11.43	0.12	0.42	0.14	2.86	0.01	0.04	1.12	2.86
<i>Scolecithricella</i> spp.	–	–	–	–	0.03	0.08	0.08	5.71	0.002	0.01	0.002	1.43	–	–	–	–
<i>Scolecithrix bradyi</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Scolecithrix danae</i>	0.70	1.67	0.02	5.71	0.02	0.07	0.06	2.86	–	–	–	–	–	–	–	–
<i>Scolecithrix</i> spp.	–	–	–	–	0.003	0.01	0.01	1.43	–	–	–	–	–	–	–	–
<i>Scottocalanus securifrons</i>	–	–	–	–	0.001	0.01	0.003	1.43	0.10	0.38	0.11	1.43	–	–	–	–
Spinocalanidae	–	–	–	–	0.005	0.02	0.01	1.43	–	–	–	–	–	–	–	–
<i>Spinocalanus</i> sp.	–	–	–	–	0.13	0.40	0.35	5.71	0.89	3.01	1.04	5.71	0.001	0.002	0.05	1.43
Subeucalanidae	8.69	34.79	0.19	10.00	0.003	0.01	0.01	1.43	0.01	0.04	0.02	2.86	–	–	–	–
<i>Subeucalanus crassus</i>	7.46	34.99	0.16	1.43	–	–	–	–	–	–	–	–	–	–	–	–
<i>Subeucalanus longiceps</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Subeucalanus pileatus</i>	45.58	175.51	0.99	15.71	0.01	0.05	0.03	1.43	0.02	0.05	0.03	4.29	0.01	0.02	0.66	2.86
<i>Subeucalanus subtenuis</i>	–	–	–	–	0.02	0.07	0.04	1.43	–	–	–	–	–	–	–	–
<i>Temora turbinata</i>	111.72	419.15	2.43	15.71	0.20	0.71	0.56	8.57	0.10	0.26	0.11	4.29	0.004	0.01	0.32	1.43
<i>Temora stylifera</i>	221.94	575.14	4.83	25.71	0.05	0.23	0.14	5.71	0.03	0.12	0.04	1.43	0.01	0.02	0.77	4.29
<i>Temoropia mayumbaensis</i>	–	–	–	–	0.03	0.12	0.08	2.86	–	–	–	–	–	–	–	–
<i>Tharybis asymmetrica</i>	–	–	–	–	–	–	–	–	0.08	0.31	0.10	1.43	–	–	–	–
<i>Oithona plumifera</i>	47.91	115.36	1.04	14.29	1.24	3.59	3.42	15.71	0.19	0.54	0.23	7.14	0.04	0.07	2.84	5.71
<i>Oithona setigera</i>	10.59	26.19	0.23	7.14	0.36	0.62	0.99	11.43	0.0005	0.002	0.001	1.43	0.002	0.003	0.12	2.86
<i>Oithona similis</i>	13.89	41.89	0.30	11.43	0.02	0.05	0.05	5.71	0.02	0.06	0.02	1.43	0.001	0.003	0.08	1.43
<i>Oithona tenuis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Oithona</i> spp.	1.34	3.44	0.03	5.71	0.38	0.89	1.06	10.00	0.04	0.17	0.05	1.43	0.003	0.01	0.21	1.43
<i>Lubbockia squillimana</i>	6.97	29.13	0.15	5.71	0.09	0.18	0.25	10.00	0.00	0.01	0.01	7.14	0.03	0.06	1.96	4.29
<i>Lubbockia aculeata</i>	–	–	–	–	0.001	0.003	0.002	1.43	–	–	–	–	–	–	–	–
<i>Lubbockia</i> spp.	0.48	2.26	0.01	1.43	0.004	0.02	0.01	2.86	0.10	0.38	0.11	1.43	–	–	–	–
Oncaeidae	15.81	58.68	0.34	5.71	0.14	0.55	0.39	7.14	0.11	0.41	0.13	1.43	0.002	0.004	0.15	2.86
<i>Conaea rapax</i>	–	–	–	–	0.22	0.73	0.60	5.71	1.31	2.83	1.53	15.71	0.10	0.11	7.75	7.14
<i>Conaea</i> sp.	–	–	–	–	0.02	0.09	0.05	1.43	0.02	0.08	0.03	2.86	–	–	–	–
<i>Oncaea atlantica</i>	–	–	–	–	0.01	0.04	0.02	1.43	–	–	–	–	–	–	–	–
<i>Oncaea media</i>	11.93	21.69	0.26	12.86	0.90	1.79	2.48	12.86	0.03	0.06	0.03	5.71	0.08	0.19	5.93	4.29
<i>Oncaea venusta</i>	162.50	278.93	3.54	28.57	5.87	19.05	16.20	31.43	0.81	2.25	0.95	15.71	0.24	0.49	18.59	10.00
<i>Oncaea</i> spp.	0.24	1.13	0.01	1.43	0.04	0.09	0.10	5.71	0.64	1.72	0.75	5.71	0.01	0.03	0.74	1.43

