

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Wet Season					
				19/09/2019					
Density (No. per m <sup>3</sup> )			Monitoring Date	Monitoring Location					
			Monitoring Depth	Shallow			Deep		
#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	1.512	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	5.951	50.584	16.636	0	0	0
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	11.902	2.976	0	5.962	20.866	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	26.780	0	6.050	11.924	2.981	6.167
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	2.976	0	3.025	0	0	0
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	0	0	0	0	0	0
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0	0	0	0	0	0
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	14.878	26.780	24.198	5.962	8.943	12.334
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	0	0	0	0	0	0
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	1.512	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0	0	0	0	0	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0	0	0	0
15	Arthropoda	Squillidae	<i>Alima</i> larvae	2.976	2.976	1.512	5.962	5.962	6.167
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0	0	0	0	0
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	2.976	0	8.943	2.981	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	17.853	14.878	9.074	2.981	17.885	3.083
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	<i>Bivalvia</i> larvae	0	0	0	2.981	0	0
21	Arthropoda	--	<i>Brachyura</i> larvae	32.731	50.584	54.446	92.408	107.313	64.752
22	Arthropoda	--	<i>Calanoida</i> larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	0	0	0	2.981	2.981	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	2.981	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0	0	0	0	5.962	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	470.133	264.822	222.321	178.854	199.721	160.338
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	2.976	0	0	0	8.943	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	32.731	11.902	6.050	2.981	14.905	18.501
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	11.902	5.951	12.099	2.981	8.943	0
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	0	0	0	2.981	0	0
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	3.083
35	Arthropoda	--	<i>Cirripedia</i> larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	8.943	3.083
37	Arthropoda	--	<i>Copepoda</i> larvae	2.976	0	0	0	2.981	0
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	2.976	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0	5.962	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0	0	6.050	0	0	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	2.976	0	1.512	8.943	0	0
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0	0	0	0	0	0
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	2.976	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	2.976	0	0	2.981	0	0
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0	0	0	0	0	0
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0	0	0	0	0	0
50	Mollusca	Creseidae	<i>Creseis clava</i>	71.413	65.462	36.297	50.675	20.866	43.168
51	Arthropoda	--	<i>Crustacea</i> larvae	0	0	0	0	0	0
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	2.981	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0	0	0
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	8.927	2.976	1.512	5.962	5.962	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0	0	0	0
58	Echinodermata	--	<i>Echinopluteus</i> larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	0	0	0	0	0	0
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	5.951	2.976	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	1.512	0	0	3.083
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	32.731	86.290	58.983	53.656	68.561	43.168
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	8.927	8.927	9.074	11.924	20.866	12.334
67	Chordata	--	Fish larvae	2.976	8.927	1.512	2.981	5.962	3.083
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Wet Season					
Density (No. per m <sup>3</sup> )			Monitoring Date	19/09/2019					
			Monitoring Location	S1					
			Monitoring Depth	Shallow			Deep		
#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0
70	Mollusca	--	Gastropoda larvae	0	0	0	5.962	0	0
71	Cnidaria	--	Hydromedusae larva	0	0	0	0	0	0
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0	0	0	0	0	0
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	2.976	10.587	2.981	0	1.542
74	Arthropoda	Pontellidae	<i>Labidocera</i> larvae	0	2.976	0	0	0	0
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0	0	0	2.981	8.943	6.167
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0	0
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	14.878	23.804	12.099	29.809	23.847	49.335
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0	0	0
79	Mollusca	Limacinae	<i>Limacina trochiformis</i>	0	0	0	0	0	0
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0	0	0	0	0	0
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	2.976	0	0	0	0	0
82	Arthropoda	Luciferidae	<i>Belzebub hanseni</i>	95.217	98.192	57.471	77.504	50.675	30.834
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0	0	0	0	0	0
84	Arthropoda	Luciferidae	<i>Belzebub</i> larvae	0	0	0	0	0	0
85	Arthropoda	Macrura	Macrura larvae	315.406	279.700	192.073	181.835	250.396	101.753
86	Arthropoda	Carcinidae	Megalopa larva	0	0	0	0	0	0
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	2.976	6.050	8.943	2.981	6.167
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	26.780	20.829	27.223	17.885	26.828	9.250
89	Arthropoda	--	Mysida larva	0	0	0	0	0	0
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	0	0	0	0	0	0
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	2.976	0	3.025	0	0	0
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	0	0	0	0	0	0
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0	0	0	0	0	0
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0
98	Arthropoda	Oncaecidae	<i>Oncaea clevei</i>	0	0	0	0	0	0
99	Arthropoda	Oncaecidae	<i>Oncaea venusta</i>	0	0	0	0	0	0
100	Echinodermata	--	Ophiopluteus larva	2.976	2.976	3.025	0	0	0
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	2.976	2.976	0	0	0	6.167
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	0	0	0	0
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	0	0	0
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	8.927	0	0	0	0	0
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	2901.139	1627.613	1385.346	1254.962	1505.358	1094.617
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0	0	0	0
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0	0
110	Annelidae	--	Polychaeta larvae	2.976	29.755	9.074	8.943	5.962	9.250
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0	0	0
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadai</i>	0	0	0	1.490	0	0
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0	0	0	0
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	0	0	0	0	0	0
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0	0	0	0	0	0
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0	0	0	0	0	0
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	755.784	740.906	287.353	679.647	804.845	422.430
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0	0	0	0	0
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	0	0	0	0	0	0
123	Chaetognatha	Sagittidae	Sagittidae larvae	0	0	0	2.981	8.943	3.083
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	2.976	11.902	4.537	0	2.981	3.083
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	11.902	14.878	24.198	26.828	41.733	21.584
127	Arthropoda	Scolecithricidae	<i>Scolecithricella longispinosa</i>	0	0	0	0	0	0
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0	0	0	0
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	62.486	44.633	52.934	59.618	71.542	70.919
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	0	0	0	0	0	0
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	1306.256	1097.969	1149.414	724.360	1237.076	906.528
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	41.657	65.462	78.644	86.446	89.427	49.335
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	0	0	0	0	0	0
Overall Biomass (g/m <sup>3</sup> wet weight)				0.09	0.09	0.09	0.15	0.18	0.23

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Wet Season

Density (No. per m <sup>3</sup> )			Monitoring Date	19/09/2019					
			Monitoring Location	S2					
#			Monitoring Depth	Shallow			Deep		
			Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	0	8.536	8.142	0	5.397	2.829
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	20.355	8.096	10.795	11.316
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	12.805	12.805	0	16.192	16.192	16.974
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	4.268	4.268	0	0	0	0
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	0	0	0	0	0	0
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0	0	0	0	0	0
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	38.414	17.073	28.497	16.192	5.397	16.974
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	0	0	0	0	0	0
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0	0	0	0	0	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0	0	0	0
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	4.268	2.035	5.397	0	4.243
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0	0	0	0	0
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	2.134	0	0	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	0	12.805	0	2.699	2.699	0
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	2.699	0	0
20	Mollusca	--	<i>Bivalvia</i> larvae	0	0	0	0	0	0
21	Arthropoda	--	<i>Brachyura</i> larvae	25.609	34.146	30.532	48.576	37.781	79.210
22	Arthropoda	--	<i>Calanoida</i> larvae	0	0	0	2.699	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	0	0	0	2.699	5.397	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	2.699	5.397	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0	4.268	0	5.397	2.699	4.243
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	4.268	0	0	0	0	2.829
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	1182.296	405.480	225.939	283.361	283.361	297.037
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	17.073	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	0	4.268	8.142	8.096	8.096	11.316
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	12.805	8.536	4.071	10.795	13.493	0
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	0	0	0	0	0	0
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	<i>Cirripedia</i> larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	Copepoda larvae	25.609	8.536	8.142	0	2.699	5.658
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	2.829
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0	0	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0	0	6.106	0	0	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	0	0	6.106	0	2.699	0
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0	0	0	0	0	0
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0	0	0	0	0	0
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0	4.268	0	0	0	0
50	Mollusca	Creseidae	<i>Creseis clava</i>	21.341	21.341	48.852	53.973	26.987	48.092
51	Arthropoda	--	Crustacea larvae	0	0	0	0	0	0
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	5.397	2.699	5.658
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0	0	0
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	4.268	8.536	14.248	5.397	0	14.145
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0	0	0	0
58	Echinodermata	--	<i>Echinopluteus</i> larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	0	12.805	0	0	0	0
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	4.268	0	2.699	2.699	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	4.268	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	29.878	29.878	71.242	56.672	29.685	22.631
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	8.536	8.536	6.106	18.891	13.493	5.658
67	Chordata	--	Fish larvae	0	0	2.035	5.397	2.699	5.658
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Wet Season					
Density (No. per m <sup>3</sup> )			Monitoring Date	19/09/2019					
			Monitoring Location	S2					
			Monitoring Depth	Shallow			Deep		
			#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0
70	Mollusca	--	Gastropoda larvae	0	2.134	0	2.699	0	0
71	Cnidaria	--	Hydromedusae larva	0	0	0	0	0	0
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0	0	0	0	0	0
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	4.268	0	0	0	0
74	Arthropoda	Pontellidae	<i>Labidocera</i> larvae	0	8.536	6.106	2.699	0	0
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	4.268	8.536	0	8.096	13.493	8.487
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0	0
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	8.536	4.268	14.248	10.795	0	25.460
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0	0	0
79	Mollusca	Limacinae	<i>Limacina trochiformis</i>	0	0	0	0	0	0
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0	0	0	0	0	0
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	38.414	64.023	111.952	110.646	94.454	36.776
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0	0	0	0	0	0
84	Arthropoda	Luciferidae	<i>Belzebub</i> larvae	0	0	0	0	0	0
85	Arthropoda	Macrura	<i>Macrura</i> larvae	157.924	170.729	205.584	186.208	137.632	166.906
86	Arthropoda	Carcinidae	<i>Megalopa</i> larva	0	0	0	0	0	0
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	8.536	6.106	0	0	2.829
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	4.268	25.609	10.177	2.699	2.699	8.487
89	Arthropoda	--	<i>Mysida</i> larva	0	0	0	0	0	0
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	0	0	0	0	0	0
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	17.073	17.073	4.071	2.699	0	2.829
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	0	0	0	0	0	0
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0	0	0	0	0	0
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0
98	Arthropoda	Oncaecidae	<i>Oncaea clevei</i>	0	0	0	0	0	0
99	Arthropoda	Oncaecidae	<i>Oncaea venusta</i>	0	0	0	0	0	0
100	Echinodermata	--	<i>Ophiopluteus</i> larva	0	4.268	4.071	0	0	0
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	4.268	8.536	54.958	29.685	24.288	0
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	0	0	0	0
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	4.268	0	0	0	0
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	0	0	0
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0	0	2.035	0	0	0
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	1327.415	1929.233	1314.922	1079.469	671.969	1683.208
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0	0	0	0
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0	0
110	Annelidae	--	<i>Polychaeta</i> larvae	29.878	21.341	59.029	8.096	10.795	16.974
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0	0	0
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadai</i>	0	0	0	2.699	0	0
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0	0	0	0
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	0	0	0	0	0	0
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0	0	0	0	0	0
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0	0	0	0	0	0
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	405.480	452.431	327.713	412.897	213.195	526.179
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0	0	0	0	0
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	0	0	0	0	0	0
123	Chaetognatha	Sagittidae	<i>Sagittidae</i> larvae	8.536	0	4.071	5.397	5.397	16.974
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	4.268	4.268	4.071	2.699	2.699	1.414
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	21.341	17.073	28.497	45.877	24.288	33.947
127	Arthropoda	Scolecithricidae	<i>Scolecithricella longispinosa</i>	0	0	0	0	0	0
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0	0	0	0
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	76.828	85.364	107.881	45.877	64.768	113.157
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	0	0	0	0	0	0
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	0	1323.147	1219.255	1109.154	1157.730	1295.646
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	230.484	217.679	95.668	62.069	29.685	107.499
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	0	0	0	0	0	0
Overall Biomass (g/m <sup>3</sup> wet weight)				0.23	0.16	0.18	0.43	0.34	0.48

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Wet Season					
Density (No. per m <sup>3</sup> )			Monitoring Date	19/09/2019					
			Monitoring Location	R1					
#			Monitoring Depth	Shallow			Deep		
			Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	3.773	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	15.091	86.772	32.304	0	0	0
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	49.045	0	36.342	35.332	11.777	50.869
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	11.318	7.545	0	27.481	35.332	27.391
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	0	0	0	0	0	0
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	0	0	0	0	0	0
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0	0	0	0	0	0
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	3.773	3.773	0	7.852	3.926	11.739
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	0	0	0	0	0	0
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0	0	0	0	0	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0	0	0	0
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	0	0	0	0	0
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0	0	0	0	0
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	2.019	0	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	162.226	101.863	228.148	176.660	219.844	309.129
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	<i>Bivalvia</i> larvae	0	0	0	0	0	0
21	Arthropoda	--	<i>Brachyura</i> larvae	7.545	26.409	10.095	47.109	54.961	39.130
22	Arthropoda	--	<i>Calanoida</i> larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	0	0	0	0	0	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	3.926	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0	0	2.019	0	0	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	3.773	3.773	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	18.863	7.545	36.342	47.109	19.629	46.956
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	3.773	11.318	0	3.926	7.852	27.391
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	15.091	37.727	16.152	7.852	3.926	27.391
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	0	0	0	0	0	0
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	<i>Cirripedia</i> larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	<i>Copepoda</i> larvae	0	0	0	0	7.852	3.913
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	2.019	11.777	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0	0	3.913
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0	7.545	0	0	0	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	0	7.545	10.095	0	0	0
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0	0	0	0	0	0
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	1.963	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0	0	0	0	0	0
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0	3.773	0	0	0	0
50	Mollusca	Creseidae	<i>Creseis clava</i>	7.545	15.091	12.114	35.332	15.703	15.652
51	Arthropoda	--	<i>Crustacea</i> larvae	0	0	0	0	0	0
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0	0	0
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	0	11.318	2.019	0	0	3.913
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0	0	0	0
58	Echinodermata	--	<i>Echinopluteus</i> larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	3.773	0	0	0	0	0
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	3.773	3.773	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	384.815	365.951	379.574	164.883	196.289	285.651
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	67.908	41.500	84.798	19.629	51.035	70.434
67	Chordata	--	Fish larvae	0	0	0	0	0	0
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Wet Season							
Density (No. per m <sup>3</sup> )			Monitoring Date	19/09/2019							
			Monitoring Location	R1							
#			Phylum	Family	Species	Shallow			Deep		
						Monitoring Depth	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0		
70	Mollusca	--	Gastropoda larvae	0	1.886	0	3.926	0	7.826		
71	Cnidaria	--	Hydromedusae larva	0	0	0	0	0	0		
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0	0	0	0	0	0		
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	7.545	11.318	0	0	0	0		
74	Arthropoda	Pontellidae	<i>Labidocera</i> larvae	7.545	3.773	0	3.926	0	0		
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0	0	0	0	0	0		
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0	0		
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	0	0	0	11.777	0	3.913		
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0	0	0		
79	Mollusca	Limacinae	<i>Limacina trochiformis</i>	0	0	0	0	0	0		
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0	0	0	0	0	0		
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0		
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	3.773	15.091	2.019	15.703	43.184	35.217		
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0	0	0	0	0	0		
84	Arthropoda	Luciferidae	<i>Belzebub</i> larvae	0	0	0	0	0	0		
85	Arthropoda	Macrura	Macrura larvae	169.771	267.861	220.072	137.403	196.289	230.869		
86	Arthropoda	Carcinidae	Megalopa larva	0	0	0	0	0	0		
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	7.545	0	0	0	0		
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	3.773	2.019	0	0	3.913		
89	Arthropoda	--	Mysida larva	0	0	0	0	0	0		
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0.047	0.009	0.010	0.039	0.049	0		
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0		
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	0	3.773	8.076	0	0	0		
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	0	11.318	0	7.852	11.777	3.913		
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	0	0	0	0	0	0		
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	3.913		
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0	0	2.019	0	0	0		
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0		
98	Arthropoda	Oncaeidae	<i>Oncaea clevei</i>	0	0	0	0	0	0		
99	Arthropoda	Oncaeidae	<i>Oncaea venusta</i>	0	0	0	0	0	0		
100	Echinodermata	--	Ophiopluteus larva	3.773	3.773	4.038	0	0	0		
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	3.773	3.773	0	7.852	0	7.826		
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0		
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	0	0	0	0		
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0		
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	0	0	0		
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0	3.773	0	0	3.926	0		
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	1165.762	1641.121	1142.760	1668.459	1519.279	2289.120		
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0	0	0	0		
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0	0		
110	Annelidae	--	Polychaeta larvae	11.318	18.863	12.114	7.852	7.852	11.739		
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0	0	0		
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0		
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadae</i>	0	0	0	0	0	0		
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0		
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0	0	0	0		
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	0	0	0	0	0	0		
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0		
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0	0	0	0	0	0		
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0	0	0	0	0	0		
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	67.908	113.181	46.437	105.996	235.547	258.260		
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0	0	0	0	0		
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	0	0	0	0	0	0		
123	Chaetognatha	Sagittidae	<i>Sagittidae</i> larvae	3.773	3.773	10.095	19.629	15.703	23.478		
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0		
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	3.773	0	3.926	0	0		
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	3.773	7.545	0	3.926	7.852	7.826		
127	Arthropoda	Scolecithricidae	<i>Scolecithricella longispinosa</i>	0	0	0	0	0	0		
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0		
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0	0	0	0		
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	3.773	22.636	8.076	7.852	31.406	35.217		
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	0	0	0	0	0	0		
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	147.135	301.815	304.871	188.438	357.247	410.868		
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	3.773	11.318	6.057	3.926	15.703	35.217		
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0		
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	0	0	0	0	0	0		
Overall Biomass (g/m <sup>3</sup> wet weight)				0.22	0.19	0.22	0.34	0.29	0.30		

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Wet Season

Density (No. per m <sup>3</sup> )			Monitoring Date	03/10/2019					
			Monitoring Location	S1					
#	Phylum	Family	Monitoring Depth	Shallow			Deep		
			Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	9.380	93.799	76.653	94.886	127.347	104.763
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	0	0	0	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	0	0	0	0	0	0
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	119.594	30.485	16.768	57.431	24.970	38.845
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	25.795	63.315	35.931	67.419	52.437	56.501
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	1.172	0.117	0.120	1.248	2.497	1.766
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	0	23.450	14.373	4.994	4.994	4.708
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	0	0	0	0	0	0
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0	0	0	0	0	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0	0	0	0
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	0	0.240	0	0.125	0.059
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0	0	0	0	0
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	0	0	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	2.345	14.070	0	27.467	17.479	21.188
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	<i>Bivalvia</i> larvae	0	0	0	0	0	0
21	Arthropoda	--	<i>Brachyura</i> larvae	37.520	77.384	71.863	54.934	57.431	52.970
22	Arthropoda	--	<i>Calanoida</i> larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	0	0	0	0	0	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	0	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0	0	0	0	0	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	2.497	1.177
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	2.345	4.690	9.582	44.946	29.964	35.313
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	2.497	0	1.177
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	2.345	2.345	2.395	1.248	1.248	1.177
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	9.380	16.415	4.791	1.248	0.250	0.706
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	0	0	0	0	0	0
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	<i>Cirripedia</i> larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	<i>Copepoda</i> larvae	0	0	0	0	2.497	1.177
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0	0	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0	0	0	0	0	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahl</i>	0	0	0	0	0	0
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0	0	2.395	0	0	0
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0	0	0	2.497	0	1.177
49	Mollusca	Creseidae	<i>Creseis acicula</i>	9.380	0	0	0	0	0
50	Mollusca	Creseidae	<i>Creseis clava</i>	0.117	0	0.120	0	0.125	0.059
51	Arthropoda	--	<i>Crustacea</i> larvae	0	0	0	0	0	0
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0.125	0	0.059
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	0	0	0	0	0	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0	0	0	0
58	Echinodermata	--	<i>Echinopluteus</i> larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	0	0	0	0	0	0
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	0	0	0	0	0	0
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	2.345	4.690	28.745	12.485	7.491	9.417
67	Chordata	--	Fish larvae	4.690	0.117	4.791	4.994	4.994	4.708
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Wet Season								
Density (No. per m <sup>3</sup> )				Monitoring Date		03/10/2019						
				Monitoring Location		S1						
				Monitoring Depth			Shallow			Deep		
#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3			
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0.006	0	0	0			
70	Mollusca	--	Gastropoda larvae	0	0	0	0	0	0			
71	Cnidaria	--	Hydromedusae larva	0	0	0	0	0	0			
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0	0.006	0	0	0	0			
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	0	0	0	0	0			
74	Arthropoda	Pontellidae	<i>Labidocera</i> larvae	2.345	2.345	0	0	0	0			
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0	0.006	0	0	0	0			
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0.117	2.345	0.120	0	0	0			
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	0.006	0	7.186	0.125	0.006	0.062			
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0	0	0			
79	Mollusca	Limacinae	<i>Limacina trochiformis</i>	0	0	0	0	0	0			
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0	0	0	0	0	0			
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0			
82	Arthropoda	Luciferidae	<i>Belzebub henseni</i>	0.117	7.035	0.024	0.125	0.006	0.062			
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0	0	0	0	0	0			
84	Arthropoda	Luciferidae	<i>Belzebub</i> larvae	44.555	16.415	11.977	12.485	4.994	8.240			
85	Arthropoda	Macrura	Macrura larvae	7.035	18.760	114.980	94.886	77.407	81.221			
86	Arthropoda	Carcinidae	Megalopa larva	0	0.117	0	0	0.125	0.059			
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	0	0	0	0	0			
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	0	0	0	0	0			
89	Arthropoda	--	Mysida larva	0	0	0	0	0	0			
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0			
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0			
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	89.109	2.345	2.395	0.019	0	0.009			
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	0	2.345	0	0	0	0			
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	0	0	0	0	0	0			
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0			
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0	0.006	4.791	0	12.485	5.886			
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	7.035	0	0	0	0	0			
98	Arthropoda	Oncaeidae	<i>Oncaea clevei</i>	0	0	0	0	0	0			
99	Arthropoda	Oncaeidae	<i>Oncaea venusta</i>	0.117	0	0	0	0	0			
100	Echinodermata	--	Ophiopluteus larva	0	0	0	17.479	0	8.240			
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	21.105	7.035	0	2.497	7.491	4.708			
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0			
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	0	0	0	0			
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0			
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	0	0	0			
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0	0	0	0	0	0			
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	0	0	0	14.982	2.497	8.240			
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0	0	0	0			
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0	0			
110	Annelidae	--	Polychaeta larvae	2.345	0.018	4.791	0.125	2.497	1.236			
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0	0	0			
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0			
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadai</i>	0	0	0	0.250	0	0.118			
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0			
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0	0	0	0			
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	0	0	0	0	0	0			
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0			
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0.006	0	0	0	0	0			
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0.006	4.690	0	0	0	0			
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	49.245	283.743	11.977	87.395	122.353	98.878			
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0	0	0	0	0			
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	0	0	0	0	0	0			
123	Chaetognatha	Sagittidae	<i>Sagittidae</i> larvae	2.345	105.524	55.095	139.832	144.826	134.191			
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0.006	0	0	0	0			
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	0	0	0	0	0			
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0			
127	Arthropoda	Scolecithricidae	<i>Scolecithricella longispinosa</i>	0	0	0	0	0	0			
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0			
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0	0	0	0			
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	11.725	37.520	16.768	32.461	17.479	23.542			
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	0	0	0	0.125	2.497	1.236			
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	2.345	21.105	11.977	27.467	12.485	18.834			
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	2.345	2.345	2.395	0.375	7.491	3.708			
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0			
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	0.006	0	0	0	0	0			
Overall Biomass (g/m <sup>3</sup> wet weight)				0.04	0.06	0.03	0.11	0.09	0.10			



Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

			Wet Season						
			Monitoring Date	03/10/2019					
Density (No. per m <sup>3</sup> )			Monitoring Location	S2					
			Monitoring Depth	Shallow			Deep		
#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	109.766	85.374	30.218	51.579	51.579	63.644
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	0	0	0	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	0	0	0	0	0	0
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	19.514	12.196	7.554	0	18.052	12.729
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	29.271	51.224	22.663	38.684	28.368	30.549
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0.252	0.129	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	7.318	0.122	0	12.895	0	0.127
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	9.757	2.439	5.036	5.158	5.158	7.637
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	0	0	0	0	0	0
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0	0	0	0	0	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0.013	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0	0	0	0
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	0.122	0	0	0	0.255
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0	0	0	0	0
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	0	0	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	26.832	9.757	5.036	0	30.947	38.187
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	<i>Bivalvia</i> larvae	0	0	0	0	0	0
21	Arthropoda	--	<i>Brachyura</i> larvae	119.523	121.963	143.534	118.631	144.420	170.567
22	Arthropoda	--	<i>Calanoida</i> larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	0	0	0	0	0	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	0	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0	0	0	0	0	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	9.757	2.439	2.518	7.737	5.158	15.275
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	4.879	4.879	2.518	7.737	0.006	2.546
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	0.006	0.122	0.126	2.579	0.129	2.546
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	0	0	0	0	0	0
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	2.546
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	<i>Cirripedia</i> larvae	0	0	0	18.052	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	<i>Copepoda</i> larvae	7.318	0	0	0	0	0
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0	0	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0	0	0	0	0	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	0	0	0	0	0	0
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0	0	0	0	0	0
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0.127
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0	0	0	0	0	0
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0	0	0	0	0	0
50	Mollusca	Creseidae	<i>Creseis clava</i>	0.122	0	1.259	0	0.129	1.273
51	Arthropoda	--	<i>Crustacea</i> larvae	0	0	0	0	0	0
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0	0	0
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	0	0	0	0	0	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0	0	0	0
58	Echinodermata	--	<i>Echinopluteus</i> larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	0	0	0	0	0	0
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	0	0	0	0	0	0
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	31.710	34.150	15.109	33.526	38.684	20.366
67	Chordata	--	Fish larvae	12.196	7.318	2.518	1.289	2.579	5.092
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	12.196	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Wet Season					
Density (No. per m <sup>3</sup> )			Monitoring Date	03/10/2019					
			Monitoring Location	S2					
			Monitoring Depth	Shallow			Deep		
			#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0
70	Mollusca	--	Gastropoda larvae	0	0	0	0	0	0.127
71	Cnidaria	--	Hydromedusae larva	0	0	0	0	0	0
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0	0	0	0	0	0
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	0	0	0	0	0
74	Arthropoda	Pontellidae	<i>Labidocera</i> larvae	0	1.220	0	2.579	0	0
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0	0	0.126	0	0	2.546
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0.129	0
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	2.439	0.006	0.019	5.158	1.289	0.255
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0	0	0
79	Mollusca	Limacinae	<i>Limacina trochiformis</i>	0	0	0	0	0	0
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0	0	0	0	0	0
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	0.244	0.006	0.013	1.289	2.579	0.382
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0	0	0	0	0	0
84	Arthropoda	Luciferidae	<i>Belzebub</i> larvae	7.318	17.075	17.627	12.895	5.158	5.092
85	Arthropoda	Macrura	<i>Macrura</i> larvae	158.552	73.178	95.689	134.104	79.947	162.929
86	Arthropoda	Carcinidae	<i>Megalopa</i> larva	0	0	0	0.006	0	0
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	0	0	0	0	0
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	0	0	0	0	0
89	Arthropoda	--	<i>Mysida</i> larva	0	0	0	0	0	0
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	4.879	0	0	5.158	5.158	0
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	0	0	0	0	0	0
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	0	0	0	0	0	0
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0	4.879	0	5.158	0.006	5.092
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0
98	Arthropoda	Oncaeidae	<i>Oncaea clevei</i>	0	0	0	0	0	0
99	Arthropoda	Oncaeidae	<i>Oncaea venusta</i>	0	0	0	0	0	0
100	Echinodermata	--	<i>Ophiopluteus</i> larva	17.075	0	7.554	0	0	2.546
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	2.439	2.518	5.158	7.737	5.092
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	5.158	0	0.006
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	0	0	0	0
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	0	0	0
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0	0	0	0	0	0
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	0.122	24.393	10.073	20.631	1.289	12.729
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0	0	0	0
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0	0
110	Annelidae	--	<i>Polychaeta</i> larvae	4.879	2.439	2.518	7.737	0.258	2.546
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0	0	0
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadae</i>	0	2.439	0	0	2.579	0
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0	0	0	0
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	0	0	0	30.947	0	0
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0.126	0	0	2.546
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0	0	0	0	0	0
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0	0	0	0	0	0
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	65.860	82.935	67.990	38.684	54.157	73.827
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0	0	0	0	0
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	0	0	0	0	0	0
123	Chaetognatha	Sagittidae	<i>Sagittidae</i> larvae	36.589	60.981	62.953	36.105	41.263	40.732
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	0	0	0	0	0
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0
127	Arthropoda	Scolecithricidae	<i>Scolecithricella longispinosa</i>	0	0	0	0	0	0
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0	0	0	0
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	21.953	7.318	25.181	54.157	64.473	73.827
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	0	0	0	0.129	0	5.092
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	24.393	21.953	2.518	28.368	12.895	22.912
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	4.879	0	5.036	15.474	2.579	10.183
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	0	0	0	0	0	0
Overall Biomass (g/m <sup>3</sup> wet weight)				0.08	0.06	0.05	0.32	0.25	0.24

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Wet Season

Density (No. per m <sup>3</sup> )			Monitoring Date	03/10/2019					
			Monitoring Location	R1					
			Monitoring Depth	Shallow			Deep		
#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	127.513	136.307	140.641	155.721	111.229	168.441
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	0	0	0	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	0	0	0	0	0	0
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	15.390	39.573	93.004	46.203	53.048	21.277
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	54.963	68.154	52.173	39.358	56.470	31.915
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	1.711	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0.110	0.110	0.113	0.171	0	0.887
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	15.390	30.779	15.879	11.979	5.134	23.050
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	0	0	0	0	0	0
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0	0	0	0	0	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0	0	0	0
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	1.099	2.268	0.086	0.086	1.773
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0	0	0	0	0
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	0	0	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	4.397	2.199	0.113	0	0	0.887
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	<i>Bivalvia</i> larvae	0	0	0	0	0	0
21	Arthropoda	--	<i>Brachyura</i> larvae	26.382	26.382	34.026	34.310	18.823	63.830
22	Arthropoda	--	<i>Calanoida</i> larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	0	0	0	0	0	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	0	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0	0	0	0	0	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	24.184	26.382	13.610	11.979	18.823	12.411
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	0	0	0	1.711	0.004	0
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	0.110	0	0	0	1.711	0
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	0	0	0	0	0	0
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	<i>Cirripedia</i> larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	<i>Copepoda</i> larvae	0	0	0	0	0.856	0
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0	0	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0	0	0	0	0	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	0	0	0	0	1.711	0
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0	0	0	0	0	0
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0	0	0	0	0	0
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0	0	0	0	0	0.887
50	Mollusca	Creseidae	<i>Creseis clava</i>	0	0	0	0	0	3.546
51	Arthropoda	--	<i>Crustacea</i> larvae	0	0	0	0	0	0
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0	0	0
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	0	0	0	0	0	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0	0	0	0
58	Echinodermata	--	<i>Echinopluteus</i> larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	0	0	0	0	0	0
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	0	0	0	0	0	0
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	6.596	2.199	4.537	3.422	1.711	15.958
67	Chordata	--	Fish larvae	2.199	2.199	2.268	0.856	1.711	1.773
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Wet Season								
Density (No. per m <sup>3</sup> )				Monitoring Date		03/10/2019						
				Monitoring Location		R1						
				Monitoring Depth			Shallow			Deep		
#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3			
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0.113	0	0	0			
70	Mollusca	--	Gastropoda larvae	0	0	0	0	0	0			
71	Cnidaria	--	Hydromedusae larva	0	0	0	0	0	0			
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0	0	0	0	0	0			
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	0	0	0	0	0			
74	Arthropoda	Pontellidae	Labidocera larvae	0	0	0	0	0	0			
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0	0	2.268	0.086	0	0			
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0.006	0.086	0	0			
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	0	0	0	0.004	0	0.089			
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0	0	0			
79	Mollusca	Limacinae	<i>Limacina trochiformis</i>	0	0	0	0	0	0			
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0	0	0	0	0	0			
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0			
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	1.099	0	0	3.422	0	1.773			
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0	0	0	0	0	0			
84	Arthropoda	Luciferidae	Belzebub larvae	2.199	6.596	13.610	8.556	17.112	15.958			
85	Arthropoda	Macrura	Macrura larvae	26.382	10.993	11.342	15.401	6.845	17.731			
86	Arthropoda	Carcinidae	Megalopa larva	0	0.110	2.268	0.856	1.711	0.089			
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	0	0	0	0	0			
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	0	0	0	0	0			
89	Arthropoda	--	Mysida larva	0	0	0	0	0	0			
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0			
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0			
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	0.005	2.199	0	0.856	0	1.773			
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	0	0	0	0	0	0			
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	0	0	0	0	0	0			
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0			
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0.016	2.199	0.113	1.711	0	1.773			
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0			
98	Arthropoda	Oncaeidae	<i>Oncaea clevei</i>	0	0	0	0	0	0			
99	Arthropoda	Oncaeidae	<i>Oncaea venusta</i>	0	0	0	0	0	0			
100	Echinodermata	--	Ophiopluteus larva	0	0	0	0	0	0			
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0.005	0	0.004	1.711	0			
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0			
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	0	0	0	0			
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0			
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	0	0	0			
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	2.199	0	0	0	0	0			
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	0	0	0	0	0	0.887			
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0	0	0	0			
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0	0			
110	Annelidae	--	Polychaeta larvae	0	2.199	0.113	0.086	0.086	1.773			
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0	0	0			
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0.004			
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadae</i>	0.110	0.330	0.340	0.004	0	0.177			
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0			
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0	0	0	0			
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	0	0	0	0	0	0			
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0			
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0	0	0	1.711	1.711	0			
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0	0	0.006	0	0	0			
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	314.386	362.753	124.762	213.902	123.207	214.540			
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0	0	0	0	0			
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	0	0	0	0	0	0			
123	Chaetognatha	Sagittidae	Sagittidae larvae	98.933	266.019	220.035	162.565	111.229	92.199			
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0			
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	0	0	0	0	0			
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0			
127	Arthropoda	Scolecithricidae	<i>Scolecithricella longispinosa</i>	0	0	0	0	0.856	0			
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0.110	0	0	0	0			
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0	0	0	0			
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	19.787	28.581	22.684	29.091	20.535	26.596			
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	0	0	0	1.711	0	0			
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	2.199	6.596	4.537	5.134	13.690	17.731			
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	1.099	0.005	0.113	0.086	0	1.773			
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	2.268	0	0	0			
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	0	0	0.113	0	0	0			
Overall Biomass (g/m <sup>3</sup> wet weight)				0.08	0.08	0.08	0.09	0.09	0.07			

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Dry Season

Density (No. per m <sup>3</sup> )			Monitoring Date	18/12/2019					
			Monitoring Location	S1					
#	Phylum	Family	Monitoring Depth	Shallow			Deep		
			Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	2.685	4.027	4.593	5.629	0.141	9.757
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	0	0	0	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	0	0	0	0	0	0
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	37.587	30.875	26.901	22.517	18.295	12.545
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	0	0	0	0	0	0
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0.671	0.007	0	0	0.007	0
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	5.370	2.685	1.968	2.815	5.629	5.575
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	16.109	6.712	3.281	2.815	8.444	4.182
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0.007	0	0.656	0.704	1.407	1.394
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0	0.007	0.028	0.139
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	0	0	0	0	0
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0.134	0	0	0	0	0
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	0	0.141	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	1.342	0	1.312	0	0	0.139
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	Bivalvia larvae	1.342	0	0.131	0	0	0.007
21	Arthropoda	--	Brachyura larvae	2.685	4.027	0	4.222	0.141	0.007
22	Arthropoda	--	Calanoida larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	1.342	2.685	1.312	1.407	0	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	0	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	1.342	1.342	0.656	0	0	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	5.370	6.712	8.530	18.295	9.851	8.363
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	2.685	2.685	2.625	1.407	0.007	4.182
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	0.007	1.342	1.312	0.141	0	0.139
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	4.027	6.712	3.281	2.815	0.021	6.969
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	Cirripedia larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	Copepoda larvae	0	0	3.937	0	0	0
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0	0	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0	0	0	0	0	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahl</i>	4.027	1.342	1.968	0.141	0	0
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	1.342	1.342	1.312	0	1.407	0
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0.007	0	0	0	0	1.394
49	Mollusca	Creseidae	<i>Creseis acicula</i>	1.342	0.007	0	0.704	0.704	0
50	Mollusca	Creseidae	<i>Creseis clava</i>	0	0	0	0	0	0.697
51	Arthropoda	--	Crustacea larvae	8.054	5.370	0	0	0	1.394
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0.027	0.134	0.656	0	0.007	0
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	0	0	0	0	0	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	1.342	1.342	0.020	0.007	0	0
58	Echinodermata	--	Echinopluteus larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0.007	0.007
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	4.027	2.685	0.656	0	0.704	0
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	0	0	0	0	0	0
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	0	0.007	0.656	0	0	0
67	Chordata	--	Fish larvae	0	0.134	0	0.007	0.007	0.139
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Dry Season

Density (No. per m <sup>3</sup> )			Monitoring Date	18/12/2019							
			Monitoring Location	S1							
#			Phylum	Family	Species	Shallow			Deep		
						Monitoring Depth	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0		
70	Mollusca	--	Gastropoda larvae	0.671	0	0	1.407	1.407	1.394		
71	Cnidaria	--	Hydromedusae larva	1.342	0	0	0	0	0		
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	1.349	0	1.312	1.407	0	1.394		
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	0	0	0.141	0	0.007		
74	Arthropoda	Pontellidae	<i>Labidocera</i> larvae	0	0	0	0	0	0		
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0	1.342	2.625	2.815	1.407	0.697		
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0	0		
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	0	0	0	0	0	0		
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0	0.141	0		
79	Mollusca	Limacinidae	<i>Limacina trochiformis</i>	0	0.007	0.656	0.007	0.704	0		
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0	0.134	0	0.141	0.141	1.394		
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0		
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	0	0	0	0	0	0.139		
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0.134	0	0	0	0.021	0		
84	Arthropoda	Luciferidae	<i>Belzebub</i> larvae	1.342	0.671	0.131	4.222	0	0		
85	Arthropoda	Macrura	<i>Macrura</i> larvae	2.685	4.027	3.281	2.815	7.037	2.788		
86	Arthropoda	Carcinidae	<i>Megalopa</i> larva	0	0	0	0	0	0		
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	0	0	0	0	0		
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	0	0	0	0	0		
89	Arthropoda	--	<i>Mysida</i> larva	0	0	0.394	0	0	0.697		
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0		
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0		
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	0	4.027	5.249	0	0	20.908		
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	42.957	57.724	40.680	92.883	112.586	55.755		
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	30.875	9.397	0	43.627	45.034	37.635		
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0		
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0	0	0.656	1.407	0	0		
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0		
98	Arthropoda	Oncaecidae	<i>Oncaea clevei</i>	0	0	0.656	0	0	0.697		
99	Arthropoda	Oncaecidae	<i>Oncaea venusta</i>	0	0	0	0	1.407	0.007		
100	Echinodermata	--	<i>Ophiopluteus</i> larva	2.685	4.027	1.312	1.407	0	2.788		
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	2.685	2.685	3.281	1.407	4.222	0		
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0		
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0.007	0	0	0	0		
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0		
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	0	0	0		
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0.007	0	0	0	0	0		
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	0	0	0.656	0	0	0		
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0	0.141	0	0		
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0.141	0	0		
110	Annelidae	--	<i>Polychaeta</i> larvae	2.685	2.685	2.625	5.629	1.407	0.139		
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0.131	0	0	0		
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0		
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadae</i>	0.007	0	0	0	0.704	0		
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0		
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0.007	1.342	0.656	0	0	0		
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	5.370	14.767	12.466	0	0.141	2.788		
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0		
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0	0	0.656	2.815	1.407	4.182		
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	4.027	0	1.312	0.007	0.007	0		
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	17.451	20.136	26.245	29.554	22.517	58.543		
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0.134	0.131	0	0	0.139		
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	16.109	6.712	9.842	15.481	21.110	1.394		
123	Chaetognatha	Sagittidae	<i>Sagittidae</i> larvae	5.370	4.027	7.874	7.037	5.629	5.575		
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0		
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	0	0	0	0	0		
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0		
127	Arthropoda	Scolecithricidae	<i>Scolecithricella longispinosa</i>	0	0	0	0	0	0		
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0		
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0	0.007	0	0		
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	14.767	16.109	11.810	26.739	18.295	27.877		
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	25.506	0	1.968	4.222	0	0		
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	5.370	34.903	16.403	37.998	0	27.877		
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	5.370	17.451	5.249	8.444	0.704	1.394		
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0		
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	4.027	1.342	0.656	2.815	4.222	5.575		
Overall Biomass (g/m <sup>3</sup> wet weight)				0.08	0.08	0.08	0.14	0.13	0.10		

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Dry Season

Density (No. per m <sup>3</sup> )			Monitoring Date	18/12/2019					
			Monitoring Location	S2					
#	Phylum	Family	Monitoring Depth	Shallow			Deep		
			Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	20.942	0	17.500	0	0	1.376
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	0	0	0	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	0	0	0	0	0	0
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	110.526	94.238	94.501	25.996	4.333	5.505
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	0	0	0	0	0	0
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0.006	0	0	0	0	0
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	0.006	0.116	1.167	2.888	1.444	1.376
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	2.327	1.163	0	1.444	0.722	5.505
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0	0.006	0	0	0	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0.117	1.444	0.007	6.881
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	0	0	0	0	0
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0	0.117	0	0	1.376
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	0	0	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	2.327	4.654	2.333	0	0	0
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	<i>Bivalvia</i> larvae	0	0	29.167	0.144	0.578	2.753
21	Arthropoda	--	<i>Brachyura</i> larvae	2.327	0	0	4.333	5.777	2.753
22	Arthropoda	--	<i>Calanoida</i> larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	1.163	0	0	0	0.144	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	0	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0	0.006	1.167	0	0	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	9.307	3.490	7.000	4.333	5.777	5.505
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	5.817	1.163	3.500	1.444	1.444	1.376
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	2.327	1.163	5.833	0.007	2.888	2.753
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	2.327	2.327	4.667	1.444	1.444	2.753
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	<i>Cirripedia</i> larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	<i>Copepoda</i> larvae	0	0	0	0	0	0
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	1.163	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0	0	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	1.163	0	2.333	1.444	0	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	1.163	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	2.327	1.163	1.167	1.444	0	0
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0	0	0.006	0	0	0
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0.688
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	1.163	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0	0	0	0	0	0
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0.116	0	0	0	0	0.688
50	Mollusca	Creseidae	<i>Creseis clava</i>	0	0	0	0	0.144	0
51	Arthropoda	--	<i>Crustacea</i> larvae	2.327	2.327	2.333	0	2.888	0
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0	0	0
56	Chordata	Dolioidae	<i>Doliolotta gegenbauri</i>	0	0	0	0.722	0	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0	0.007	0	0
58	Echinodermata	--	<i>Echinopluteus</i> larva	0	0	0	0	1.444	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	1.163	1.163	1.167	4.333	0.144	1.376
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	0	0	0	0	0	0
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0.007	1.376
66	Chordata	--	Fish eggs	0.006	0.116	1.167	0.144	1.444	1.376
67	Chordata	--	Fish larvae	0.116	0.582	0	0	0	0
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Dry Season

Density (No. per m <sup>3</sup> )			Monitoring Date	18/12/2019							
			Monitoring Location	S2							
#			Phylum	Family	Species	Shallow			Deep		
						Monitoring Depth	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0		
70	Mollusca	--	Gastropoda larvae	0.012	0.006	0	5.777	0.007	1.376		
71	Cnidaria	--	Hydromedusae larva	0	0	0	0	0	0		
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0	0.116	0.117	1.444	0.144	4.129		
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	0	0	0	0	0		
74	Arthropoda	Pontellidae	<i>Labidocera</i> larvae	0	0	0	2.888	0	0		
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0.116	0	3.500	0	0	0.688		
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0	0		
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	0	0	0	0	0	0		
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0.116	0	0	0	0	0		
79	Mollusca	Limacinae	<i>Limacina trochiformis</i>	0	0	0	0	0	0		
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0.006	0	0	2.888	0	0		
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0		
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	0.233	0	5.833	0	0	0		
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0	17.451	0	0	0.144	0		
84	Arthropoda	Luciferidae	<i>Belzebub</i> larvae	5.817	0	0	0	4.333	0.007		
85	Arthropoda	Macrura	<i>Macrura</i> larvae	5.817	5.817	0	4.333	2.888	4.129		
86	Arthropoda	Carcinidae	<i>Megalopa</i> larva	0	0	0	0	0	0		
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	0	0	0	0	0		
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	0	0	0	0	0		
89	Arthropoda	--	<i>Mysida</i> larva	2.327	0	0	0	1.444	0		
90	Cnidaria	Nausithoideae	<i>Nausithoe punctata</i>	0	0	0	0	0	0		
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	2.753		
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	0	2.327	38.501	0	0	0		
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	39.557	5.817	0	0	0.007	0		
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	24.432	36.066	0	277.296	223.859	264.244		
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0		
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0	1.163	0	0	0	0		
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0		
98	Arthropoda	Oncaecidae	<i>Oncaea clevei</i>	1.163	0	0	0	0	0		
99	Arthropoda	Oncaecidae	<i>Oncaea venusta</i>	0	1.163	0	1.444	0	0		
100	Echinodermata	--	<i>Ophiopluteus</i> larva	1.163	0	3.500	0	0	2.753		
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	4.654	2.327	0	5.777	1.444	1.376		
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0		
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	0	4.333	0.144	0		
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0		
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	0	0	0		
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0	0	0	0.007	0	0		
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	0	0	0	0	0	0		
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0.116	0	0	0	0	0		
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0	0		
110	Annelidae	--	<i>Polychaeta</i> larvae	0	1.163	0.583	0.007	0	1.376		
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0	0	0		
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0		
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadae</i>	0.006	0	0	0	0	0		
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	1.444	0	0		
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0	0.722	0	0.007		
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	12.798	13.961	1.167	5.777	2.888	0		
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0		
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0	0	2.333	2.888	0	0.007		
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0.116	0	0	0	0	0		
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	37.230	54.681	54.834	50.549	36.106	57.803		
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0.582	0.583	0	0.722	0		
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	8.144	0	0	0	0	0		
123	Chaetognatha	Sagittidae	<i>Sagittidae</i> larvae	24.432	8.144	2.333	7.221	2.888	6.881		
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0		
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	0	0	0	0	0		
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0		
127	Arthropoda	Scolecitricidae	<i>Scolecitricella longispinosa</i>	0	0	0	0	0	0		
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0		
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0	0	0	0		
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	8.144	3.723	21.000	7.221	7.221	13.763		
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	3.490	0	0.018	0	0.007	0.007		
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	12.798	18.615	18.667	4.333	2.888	8.258		
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	17.451	5.817	9.333	2.888	4.333	1.376		
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0		
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	1.163	0.116	3.500	1.444	2.888	2.753		
Overall Biomass (g/m <sup>3</sup> wet weight)				0.12	0.10	0.06	0.13	0.15	0.15		



Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Dry Season

Density (No. per m <sup>3</sup> )			Monitoring Date	18/12/2019					
			Monitoring Location	R1					
#			Monitoring Depth	Shallow			Deep		
			Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	65.491	37.423	16.983	35.876	31.998	25.504
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	0	0	0	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	0	0	0	0	0	0
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	138.467	303.130	148.314	70.783	64.965	33.666
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	0	0	0	0	0	0
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0	0	0	0	0	0
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	0	0.009	1.132	0	0.097	0.510
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	0	1.871	0.006	0.485	0	0.005
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0	0	0	0	0	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0	0	0	0
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	0	0.566	0	0	0
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0	0	0	0	0
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	0	0	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	0	0	0	0.005	0.005	1.530
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	<i>Bivalvia</i> larvae	0.187	3.742	1.132	0	0	0
21	Arthropoda	--	<i>Brachyura</i> larvae	0	0.187	1.132	0	0.485	1.020
22	Arthropoda	--	<i>Calanoida</i> larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	0	0	0	0	0	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0.005
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	0	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0	0	0	0	0	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	0.936	1.871	3.397	0	0	0
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	3.742	1.871	2.264	1.939	1.939	2.040
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	0.187	0	0.566	0	0.005	0
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	5.614	0.936	4.529	3.879	4.848	2.040
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	<i>Cirripedia</i> larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	<i>Copepoda</i> larvae	0	0	0	0.970	0	0
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	1.871	0	0	0	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0	1.871	1.132	0	0.005	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	1.871	7.485	3.397	1.939	1.939	0.510
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0.187	1.871	0	1.939	1.939	1.020
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	1.871	0	0.006	0.097	0.005	0.005
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0	0.009	0	0	0.970	0
50	Mollusca	Creseidae	<i>Creseis clava</i>	0	0	0	0	0	0
51	Arthropoda	--	<i>Crustacea</i> larvae	0	0.009	0	0	0.485	0.102
52	Bryozoa	Electridae	<i>Electra</i> larvae	1.871	0	0	0.970	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0.102
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0	0	0
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	0	0	0	0	0	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0	0	0	0
58	Echinodermata	--	<i>Echinopluteus</i> larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0.097	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	0	0	0	0	0	0
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	0	0	0	0	0	0
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	0.019	1.871	0.006	0.485	0.097	0.102
67	Chordata	--	Fish larvae	0	0.009	0	0	0.005	0
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Dry Season								
				Monitoring Date		18/12/2019						
Density (No. per m <sup>3</sup> )				Monitoring Location								
				R1								
				Monitoring Depth			Shallow			Deep		
#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3			
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0			
70	Mollusca	--	Gastropoda larvae	1.881	1.871	0	0	0	0			
71	Cnidaria	--	Hydromedusae larva	0	0	0	0	0	0			
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0.187	0	1.132	0.005	0	0			
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	0	0	0	0	0			
74	Arthropoda	Pontellidae	<i>Labidocera</i> larvae	0	0.187	0	0	0.097	0			
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0.009	0	0	0	0	0.102			
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0	0			
77	Cnidaria	Diphyidae	<i>Leusia subtiloides</i>	0	0	0	0	0	0			
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0	0	0			
79	Mollusca	Limacnidae	<i>Limacina trochiformis</i>	0	0.936	0	0	0	0			
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0	0	0	0	0	0			
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0			
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	3.742	13.098	0.113	1.939	0	0.204			
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0	0	0.566	0	4.848	0.510			
84	Arthropoda	Luciferidae	<i>Belzebub</i> larvae	0	0	0	0	0	2.040			
85	Arthropoda	Macrura	<i>Macrura</i> larvae	0	0.009	0.566	0.485	1.939	2.040			
86	Arthropoda	Carcinidae	<i>Megalopa</i> larva	0	0	0	0	0	0			
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	0	0	0	0	0			
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	0	0	0	0	0			
89	Arthropoda	--	<i>Mysida</i> larva	0	0	0	0	0	0			
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0			
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0			
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	0	0	0	2.909	0	0			
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	1.871	13.098	2.264	3.879	5.818	1.020			
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	0.009	0.936	2.264	0.097	0	0			
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0			
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	14.969	0.936	1.132	6.787	0.970	0.005			
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0			
98	Arthropoda	Oncaeidae	<i>Oncaea clevei</i>	0	0	0	0	0	0			
99	Arthropoda	Oncaeidae	<i>Oncaea venusta</i>	0	0	0	0	0	0			
100	Echinodermata	--	<i>Ophiopluteus</i> larva	0.936	0.936	0	0	0	0			
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0.187	0	1.939	0.097	0			
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0			
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	0	0	0	0			
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0			
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	5.614	0	1.132	0	0	0			
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0	0	0	1.939	0.005	0			
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	0	0	0	0	0	0			
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0	0	0	0			
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0	0			
110	Annelidae	--	<i>Polychaeta</i> larvae	0	0.009	1.132	0.005	0	0			
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0	0	0			
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0			
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadai</i>	0.936	0	0	0.005	0	0.005			
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0			
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0	0	0.097	0			
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	0.936	0.009	0.113	0	0	0			
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0			
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	9.356	5.614	0	0	0	0			
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0	0.187	0.113	2.909	0.970	2.040			
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	145.952	84.203	96.234	98.902	104.720	75.493			
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0	0	0	0	0			
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	44.908	39.295	0.113	3.879	40.724	32.646			
123	Chaetognatha	Sagittidae	<i>Sagittidae</i> larvae	59.878	39.295	26.040	4.848	35.876	18.363			
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0			
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	0	0	0	0	0			
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0			
127	Arthropoda	Scolecithricidae	<i>Scolecithricella longispinosa</i>	0	0	0	0	0	0			
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0			
129	Cnidaria	Solmundellaeginidae	<i>Solmundella bitentaculata</i>	0	0	0	0.005	0	0			
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	43.973	20.583	9.063	25.210	36.846	16.323			
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	0	0	0.006	0	0	0			
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	13.098	3.742	13.586	3.879	5.818	4.081			
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0.187	1.871	0	0.970	0.970	2.040			
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0			
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	0	0	0	0	0	0			
Overall Biomass (g/m <sup>3</sup> wet weight)				0.15	0.15	0.10	0.10	0.10	0.06			

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Dry Season

Density (No. per m <sup>3</sup> )			Monitoring Date	12/02/2020					
			Monitoring Location	S1					
#			Monitoring Depth	Shallow			Deep		
			Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	2.857	3.714	4.453	10.859	9.049	5.587
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	0	0	0	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	0	0	0	0	0	0
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	29.143	24.857	21.670	106.180	97.734	22.969
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	0	0	0	0	0	0
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0.289	0.003	0	0.003	0	0.310
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	3.429	2.000	2.078	0.063	0.664	4.966
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	9.714	4.286	2.672	1.810	0.603	9.312
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0.003	0.286	0.594	0.003	0.003	0.624
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0.003	0	0.060	0.062
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	0	0	0	0	0
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0.057	0	0	0	0.060	0.062
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	0.059	0	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	0.571	0.571	0.594	3.620	3.620	0.683
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	Bivalvia larvae	0.571	0.057	0.059	0	15.082	0.624
21	Arthropoda	--	Brachyura larvae	2.857	1.714	1.781	1.207	0	1.245
22	Arthropoda	--	Calanoida larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	1.714	1.714	1.187	0.603	0	0.621
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	0	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	1.143	0.857	0.297	0.003	0.606	0.621
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	5.143	6.571	11.577	6.636	5.430	6.208
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	2.286	2.286	1.781	3.620	2.413	3.104
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	0.574	1.143	0.653	1.810	3.620	0.065
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	4.571	4.286	2.672	2.413	3.620	4.966
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	Cirripedia larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	Copepoda larvae	0	1.714	1.781	0	0	0
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0.603	0.603	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0	0	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0	0	0	0.603	1.207	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0.603	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	2.286	1.429	0.950	1.810	1.207	1.862
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	1.143	1.143	0.594	0	0.003	0.621
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	0.603	0.603	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0.003	0	0	0	0	0.624
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0.574	0.003	0.297	0.060	0	0.621
50	Mollusca	Creseidae	<i>Creseis clava</i>	0	0	0	0	0	0.310
51	Arthropoda	--	Crustacea larvae	5.714	2.286	0	2.413	2.413	4.345
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0.069	0.343	0.297	0	0	0.012
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	0	0	0	0	0	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	1.143	0.580	0.012	0	0	0.621
58	Echinodermata	--	Echinopluteus larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0.003
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	2.857	1.429	0.297	1.207	1.207	1.862
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	0	0	0	0	0	0
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	0.003	0.289	0.297	0.063	0.664	0
67	Chordata	--	Fish larvae	0.057	0.057	0.003	0.362	0.302	0.062
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Dry Season					
Density (No. per m <sup>3</sup> )			Monitoring Date	12/02/2020					
			Monitoring Location	S1					
			Monitoring Depth	Shallow			Deep		
#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0
70	Mollusca	--	Gastropoda larvae	0.286	0	0.594	0.009	0.003	0.931
71	Cnidaria	--	Hydromedusae larva	0.571	0	0	0	0	0.621
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0.574	0.571	1.187	0.060	0.121	1.245
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	0	0.059	0	0	0.003
74	Arthropoda	Pontellidae	<i>Labidocera</i> larvae	0	0	0	0	0	0
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0.571	1.714	2.375	0.060	1.810	0.310
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0	0
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	0	0	0	0	0	0
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0.060	0	0
79	Mollusca	Limacinidae	<i>Limacina trochiformis</i>	0.003	0.289	0.300	0	0	0
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0.057	0.057	0.059	0.003	0	0.621
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	0	0	0	0.121	3.016	0.062
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0.057	0	0	9.049	9.049	0.062
84	Arthropoda	Luciferidae	<i>Belzebub</i> larvae	0.857	0.343	1.840	3.016	0	0.621
85	Arthropoda	Macrura	<i>Macrura</i> larvae	2.857	3.143	2.672	6.033	3.016	2.483
86	Arthropoda	Carcinidae	<i>Megalopa</i> larva	0	0	0	0	0	0
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	0	0	0	0	0
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	0	0	0	0	0
89	Arthropoda	--	<i>Mysida</i> larva	0	0.171	0.178	1.207	0	0.310
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	1.714	4.000	2.375	1.207	21.115	9.312
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	42.857	42.285	57.589	23.528	3.016	44.696
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	17.143	4.000	18.405	31.371	18.702	31.039
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0	0.286	0.891	0.603	0.603	0
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0
98	Arthropoda	Oncaecidae	<i>Oncaea clevei</i>	0	0.286	0.297	0.603	0	0.310
99	Arthropoda	Oncaecidae	<i>Oncaea venusta</i>	0	0	0	0.603	0.603	0.003
100	Echinodermata	--	<i>Ophiopluteus</i> larva	2.857	2.286	1.187	0.603	1.810	2.483
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	2.286	2.571	2.078	3.620	1.207	1.242
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0.003	0.003	0	0	0	0
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	0	0	0
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0.003	0	0	0	0	0.003
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	0	0.286	0.297	0	0	0
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0.059	0.060	0	0
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0.059	0	0	0
110	Annelidae	--	<i>Polychaeta</i> larvae	2.286	2.286	3.562	0.603	0.905	1.304
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0.057	0.059	0	0	0
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadai</i>	0.003	0	0	0.003	0	0.003
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0.574	0.857	0.297	0	0	0.003
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	8.571	11.714	5.640	13.876	7.843	3.725
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0	0.286	1.484	0	1.207	1.862
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	1.714	0.571	0.597	0.060	0	1.862
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	16.000	20.000	24.342	47.660	56.710	34.143
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0.057	0.114	0.059	0.302	0.603	0.062
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	9.714	7.143	10.983	4.223	0	8.070
123	Chaetognatha	Sagittidae	<i>Sagittidae</i> larvae	4.000	5.143	6.531	16.892	5.430	4.966
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	0	0	0	0	0
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0
127	Arthropoda	Scolecitricidae	<i>Scolecitricella longispinosa</i>	0	0	0	0	0	0
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0.003	0	0	0
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	13.143	12.000	16.624	6.154	12.790	19.244
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	10.857	0.857	2.672	1.810	0.009	11.795
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	17.143	22.000	23.451	16.289	19.305	14.899
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	9.714	9.714	5.937	12.066	7.843	3.104
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	2.286	0.857	1.484	0.664	1.870	4.345
Overall Biomass (g/m <sup>3</sup> wet weight)				0.11	0.10	0.11	0.15	0.20	0.17

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Dry Season

Density (No. per m <sup>3</sup> )			Monitoring Date	12/02/2020					
			Monitoring Location	S2					
#			Monitoring Depth	Shallow			Deep		
			Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	10.078	8.398	9.420	30.714	19.545	11.094
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	0	0	0	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	0	0	0	0	0	0
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	98.539	90.701	62.171	131.790	163.620	57.808
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	0	0	0	0	0	0
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0.003	0	0	0	0	0.003
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	0.059	0.616	1.884	0.003	0.561	0.587
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	1.680	0.560	0.628	0.558	0.561	3.504
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0.003	0.003	0	0	0	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0.056	0.691	0	0	2.920
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	0	0	0	0.279	0
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0.056	0.063	0	0	0.584
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	0	0	0	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	3.359	3.359	1.256	0	0	1.168
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	<i>Bivalvia</i> larvae	0	13.997	15.763	1.173	1.675	1.168
21	Arthropoda	--	<i>Brachyura</i> larvae	1.120	0	1.884	0.056	0.614	2.336
22	Arthropoda	--	<i>Calanoida</i> larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	0.560	0	0	0	0	0.584
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	0	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0.003	0.563	0.628	0	0	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	6.159	5.039	5.652	0.838	2.234	7.007
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	3.359	2.240	2.512	1.675	1.675	3.504
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	1.680	3.359	3.143	0.056	0.279	2.336
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	2.240	3.359	3.140	1.955	2.513	2.336
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	<i>Cirripedia</i> larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	<i>Copepoda</i> larvae	0	0	0	0	0	0
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0.560	0.560	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0	0	0	0.558	0.558	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0.560	1.120	1.884	0.558	1.117	0.584
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0.560	0	0	0	0	0.584
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	1.680	1.120	1.256	2.792	3.909	1.168
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0	0.003	0.003	0.614	0.558	0
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0.292
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0.560	0.560	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0	0	0	0.558	0.003	0
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0.056	0	0	0.003	0.003	0.350
50	Mollusca	Creseidae	<i>Creseis clava</i>	0	0	0	0	0	0
51	Arthropoda		<i>Crustacea</i> larvae	2.240	2.240	1.256	0.003	0.003	1.168
52	Bryozoa	Electridae	<i>Electra</i> larvae	0	0	0	0.558	0	0
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0	0	0
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	0	0	0.314	0	0	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0.003	0	0	0
58	Echinodermata	--	<i>Echinopluteus</i> larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	1.120	1.120	2.512	0	0	1.168
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	0	0	0	0	0	0
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0.584
66	Chordata	--	Fish eggs	0.059	0.616	0.691	0.564	0.561	0.587
67	Chordata	--	Fish larvae	0.336	0.280	0	0.003	0.003	0.058
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Dry Season

Density (No. per m <sup>3</sup> )			Monitoring Date	12/02/2020							
			Monitoring Location	S2							
#			Phylum	Family	Species	Shallow			Deep		
						Monitoring Depth	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0		
70	Mollusca	--	Gastropoda larvae	0.008	0.003	2.512	1.120	0.558	0.590		
71	Cnidaria	--	Hydromedusae larva	0	0	0	0	0	0		
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0.056	0.112	0.691	0.056	0.558	1.752		
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	0	0	0	0	0		
74	Arthropoda	Pontellidae	Labidocera larvae	0	0	1.256	0.056	0.056	0		
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0.056	1.680	1.884	0.003	0	0.350		
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0	0		
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	0	0	0	0	0	0		
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0.056	0	0	0	0	0.058		
79	Mollusca	Limacinae	<i>Limacina trochiformis</i>	0	0	0	0.279	0.279	0		
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0.003	0	1.256	0	0	0.003		
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0		
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	0.112	2.799	3.140	5.026	3.965	0.117		
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	8.398	8.398	0	0	0.279	0		
84	Arthropoda	Luciferidae	Belzebub larvae	2.799	0	0	0	0	2.923		
85	Arthropoda	Macrura	Macrura larvae	5.599	2.799	1.884	0.003	0.282	4.671		
86	Arthropoda	Carcinidae	Megalopa larva	0	0	0	0	0	0		
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	0	0	0	0	0		
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	0	0	0	0	0		
89	Arthropoda	--	Mysida larva	1.120	0	0	0	0	1.168		
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0		
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	1.168		
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	1.120	19.596	20.724	0	0	0		
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	21.835	2.799	0	4.467	5.026	19.853		
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	29.114	17.356	120.574	0.282	1.396	124.374		
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0		
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	0.560	0.560	0	4.747	0.838	0		
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0		
98	Arthropoda	Oncaeiidae	<i>Oncaea clevei</i>	0.560	0	0	0	0	0.584		
99	Arthropoda	Oncaeiidae	<i>Oncaea venusta</i>	0.560	0.560	0.628	0	0	0		
100	Echinodermata	--	Ophiopluteus larva	0.560	1.680	1.884	0.558	0.279	1.752		
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	3.359	1.120	2.512	0.056	0.056	2.920		
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0		
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	1.884	0	0	0		
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0		
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0	0	0	1.675	0.558	0		
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0	0	0.003	0	0	0		
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	0	0	0	0	0	0		
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0.056	0	0	0	0	0.058		
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0	0		
110	Annelidae	--	Polychaeta larvae	0.560	0.840	0.317	0.003	0.561	0.584		
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0	0	0		
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0		
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadai</i>	0.003	0	0	0.279	0	0.003		
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0.628	0	0	0		
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0.314	0	0	0.003		
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	12.877	7.278	3.140	0.282	0.059	6.423		
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0		
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	0	1.120	2.512	4.467	1.675	0.003		
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0.056	0	0	0.056	0.112	0.058		
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	44.231	52.629	51.495	68.687	72.596	43.210		
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0.280	0.560	0.314	0	0	0		
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	3.919	0	0	25.129	11.783	4.087		
123	Chaetognatha	Sagittidae	Sagittidae larvae	15.677	5.039	4.396	29.597	24.571	15.182		
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0		
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	0	0	0	0	0		
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0		
127	Arthropoda	Scolecitricidae	<i>Scolecitricella longispinosa</i>	0	0	0	0	0	0		
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0		
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0	0	0	0		
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	5.711	11.870	14.444	19.266	10.613	9.927		
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	1.680	0.008	0.009	0	0.003	1.755		
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	15.117	17.916	11.932	5.026	7.818	9.927		
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	11.198	7.278	6.280	0.614	0.558	9.343		
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0		
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	0.616	1.736	2.512	0	0	1.752		
Overall Biomass (g/m <sup>3</sup> wet weight)				0.15	0.19	0.14	0.17	0.15	0.17		

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

Dry Season

Density (No. per m <sup>3</sup> )			Monitoring Date	12/02/2020					
			Monitoring Location	R1					
#			Monitoring Depth	Shallow			Deep		
			Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3	Replicate 1
1	Arthropoda	Acartiidae	<i>Acartia clausii</i>	0	0	0	0	0	0
2	Arthropoda	Acartiidae	<i>Acartia erythraea</i>	21.662	13.785	23.182	3.202	3.898	35.032
3	Arthropoda	Acartiidae	<i>Acartia</i> larvae	0	0	0	0	0	0
4	Arthropoda	Acartiidae	<i>Acartia (Acartia) negligens</i>	0	0	0	0	0	0
5	Arthropoda	Acartiidae	<i>Acartia pacifica mertoni</i>	92.949	115.398	90.945	26.312	22.275	62.473
6	Arthropoda	Acartiidae	<i>Acartia spinicauda</i>	0	0	0	0	0	0
7	Arthropoda	Sergestidae	<i>Acetes japonicus</i>	0	0	0	0	0	0
8	Arthropoda	Sergestidae	<i>Acetes</i> larvae	0	0	0	0.142	0.001	0
9	Arthropoda	Paracalanidae	<i>Acrocalanus gibber</i>	0.002	0.396	0.446	2.645	1.949	0.292
10	Arthropoda	Paracalanidae	<i>Acrocalanus longicornis</i>	0.394	0.396	0.225	6.822	3.341	0.003
11	Arthropoda	Paracalanidae	<i>Acrocalanus</i> sp.	0	0	0	0	0	0
12	Phoronida	Phoronidae	<i>Phoronis</i> sp.	0	0	0	0.141	0.418	0
13	Cnidaria	Aequoreidae	<i>Aequorea parva</i>	0	0	0	0	0	0
14	Cnidaria	Rhopalonematidae	<i>Aglaura hemistoma</i>	0	0	0	0	0.001	0
15	Arthropoda	Squillidae	<i>Alima</i> larvae	0	0.197	0.223	0	0	0
16	Mollusca	Atlantidae	<i>Atlanta turriculata</i>	0	0	0	0.028	0	0
17	Echinodermata	Synaptidae	<i>Protankyra</i> larvae	0	0	0	0	0.028	0
18	Arthropoda	Balanidae	<i>Balanus</i> larvae	0	0	0.002	0.557	0.557	0.876
19	Arthropoda	--	<i>Cyclopoida</i> sp.	0	0	0	0	0	0
20	Mollusca	--	Bivalvia larvae	0.827	1.182	0.446	0.306	0.056	0.058
21	Arthropoda	--	Brachyura larvae	0.039	0.433	0.446	2.227	1.671	0.584
22	Arthropoda	--	Calanoida larvae	0	0	0	0	0	0
23	Arthropoda	Pontellidae	<i>Calanopia elliptica</i>	0	0	0	1.671	1.392	0
24	Arthropoda	Caligidae	<i>Caligus</i> sp.	0	0	0	0	0	0.003
25	Arthropoda	Paracalanidae	<i>Calocalanus pavo</i>	0	0	0	0	0	0
26	Arthropoda	Candaciidae	<i>Candacia bradyi</i>	0	0	0	0.975	0.557	0
27	Arthropoda	Candaciidae	<i>Candacia</i> larvae	0	0	0	0	0	0
28	Arthropoda	Calanidae	<i>Canthocalanus pauper</i>	0.591	1.575	1.337	5.708	8.632	0.292
29	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
30	Arthropoda	Centropagidae	<i>Centropages furcatus</i>	1.182	1.182	1.783	2.227	1.949	2.335
31	Arthropoda	Centropagidae	<i>Centropages orsinii</i>	0.039	0.197	0.223	0.837	0.863	0.058
32	Arthropoda	Centropagidae	<i>Centropages tenuiremis</i>	1.378	1.772	3.566	4.316	3.341	2.919
33	Arthropoda	Centropagidae	<i>Centropages dorsispinatus</i>	0	0	0	0	0	0
34	Arthropoda	Actideidae	<i>Chiridius poppei</i>	0	0	0	0	0	0
35	Arthropoda	--	Cirripedia larvae	0	0	0	0	0	0
36	Arthropoda	Clausocalanidae	<i>Clausocalanus arcuicornis</i>	0	0	0	0	0	0
37	Arthropoda	--	Copepoda larvae	0	0	0.446	0.835	1.671	0
38	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus affinis</i>	0	0	0	0	0	0
39	Arthropoda	Corycaecidae	<i>Onychocorycaeus agilis</i>	0	0	0	0	0	0
40	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus andrewsi</i>	0.394	0.394	0	0	0	0
41	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus asiaticus</i>	0.394	0.788	0.446	0	0	0
42	Arthropoda	Corycaecidae	<i>Corycaeus crassiusculus</i>	0	0	0	0	0	0
43	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus dahli</i>	1.969	2.757	2.229	1.810	1.142	0.876
44	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus erythraeus</i>	0.433	0.394	0.892	1.114	0.835	0.642
45	Arthropoda	Corycaecidae	<i>Farranula gibbula</i>	0	0	0	0	0	0
46	Arthropoda	Corycaecidae	<i>Onychocorycaeus pacificus</i>	0	0	0	0	0	0
47	Arthropoda	Corycaecidae	<i>Corycaeus speciosus</i>	0	0	0	0	0	0
48	Arthropoda	Corycaecidae	<i>Ditrichocorycaeus subtilis</i>	0.394	0.002	0.047	0.001	0	0.587
49	Mollusca	Creseidae	<i>Creseis acicula</i>	0.002	0.002	0	0.281	0.141	0
50	Mollusca	Creseidae	<i>Creseis clava</i>	0	0	0	0	0	0
51	Arthropoda	--	Crustacea larvae	0.002	0.002	0	3.898	1.114	0.058
52	Bryozoa	Electridae	<i>Electra</i> larvae	0.394	0	0.446	0	0	0.584
53	Arthropoda	Cypridinidae	<i>Cypridina</i> larvae	0	0	0	0	0	0.058
54	Mollusca	Desmopteridae	<i>Desmopterus papilio</i>	0	0	0	0	0	0
55	Cnidaria	Diphyidae	<i>Diphyes chamissonis</i>	0	0	0	0.200	0.306	0
56	Chordata	Dolioidae	<i>Doliolitta gegenbauri</i>	0	0	0	0	0	0
57	Chordata	Dolioidae	<i>Doliolum denticulatum</i>	0	0	0	0.839	0.288	0
58	Echinodermata	--	Echinopluteus larva	0	0	0	0	0	0
59	Cnidaria	Eirenidae	<i>Eirene averuciformis</i>	0	0	0	0	0	0
60	Cnidaria	Eirenidae	<i>Eirene</i> larvae	0	0	0	0	0	0
61	Arthropoda	Euchaetidae	<i>Euchaeta</i> larva	0	0	0	2.088	0.835	0
62	Arthropoda	Halocypridae	<i>Euconchoecia aculeata</i>	0	0	0	0	0	0
63	Arthropoda	Tachidiidae	<i>Euterpina acutifrons</i>	0	0	0	0	0	0
64	Arthropoda	Podonidae	<i>Pseudevadne tergestina</i>	0	0	0	0	0	0
65	Arthropoda	Corycaecidae	<i>Farranula</i> larvae	0	0	0	0	0	0
66	Chordata	--	Fish eggs	0.398	0.396	0.225	0.142	0.280	0.064
67	Chordata	--	Fish larvae	0.002	0.002	0	0.056	0.029	0
68	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0	0	0	0	0	0

Annex C Density (No. per m<sup>3</sup>) and Biomass (g/m<sup>3</sup> wet weight) of Zooplankton Recorded during the Baseline Surveys

				Dry Season					
Density (No. per m <sup>3</sup> )			Monitoring Date	12/02/2020					
			Monitoring Location	R1					
			Monitoring Depth	Shallow			Deep		
			#	Phylum	Family	Species	Replicate 1	Replicate 2	Replicate 3
69	Arthropoda	Gammaridae	Gammaridae sp.	0	0	0	0	0	0
70	Mollusca	--	Gastropoda larvae	0.790	0.394	0	0.139	0.278	0.587
71	Cnidaria	--	Hydromedusae larva	0	0	0	0.278	0	0
72	Arthropoda	Pontellidae	<i>Labidocera acuta</i>	0.039	0.394	0.448	0.558	0.835	0.058
73	Arthropoda	Pontellidae	<i>Labidocera euchaeta</i>	0	0	0	0	0.028	0
74	Arthropoda	Pontellidae	Labidocera larvae	0.039	0.039	0	0	0	0
75	Arthropoda	Pontellidae	<i>Labidocera minuta</i>	0.002	0	0	1.114	1.949	0.061
76	Arthropoda	Pontellidae	<i>Labidocera rotunda</i>	0	0	0	0	0	0
77	Cnidaria	Diphyidae	<i>Lensia subtiloides</i>	0	0	0	0	0	0
78	Arthropoda	Lestrigonidae	<i>Lestrigonus bengalensis</i>	0	0	0	0	0	0
79	Mollusca	Limacinidae	<i>Limacina trochiformis</i>	0.197	0.197	0	0.142	0.281	0
80	Cnidaria	Geryoniidae	<i>Liriope tetraphylla</i>	0	0	0	0.056	0.056	0
81	Arthropoda	Lucicutiidae	<i>Lucicutia ovalis</i>	0	0	0	0	0	0
82	Arthropoda	Luciferidae	<i>Belzebub hansenii</i>	3.545	2.796	0.936	0	0	1.284
83	Arthropoda	Luciferidae	<i>Belzebub intermedius</i>	0	0.197	0.223	0.028	0	0.292
84	Arthropoda	Luciferidae	Belzebub larvae	0	0	0	0.585	1.030	1.168
85	Arthropoda	Macrura	Macrura larvae	0.002	0.199	0.446	2.924	2.784	1.168
86	Arthropoda	Carcinidae	Megalopa larva	0	0	0	0	0	0
87	Arthropoda	Ectinosomatidae	<i>Microsetella rosea</i>	0	0	0	0	0	0
88	Cnidaria	Diphyidae	<i>Muggiaea atlantica</i>	0	0	0	0	0	0
89	Arthropoda	--	Mysida larva	0	0	0	0.084	0.167	0
90	Cnidaria	Nausithoidae	<i>Nausithoe punctata</i>	0	0	0	0	0	0
91	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) albicans</i>	0	0	0	0	0	0
92	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) dioica</i>	0	0	1.337	2.784	3.063	0
93	Chordata	Oikopleuridae	<i>Oikopleura (Coecaria) longicauda</i>	3.151	3.545	2.675	41.487	47.613	1.168
94	Chordata	Oikopleuridae	<i>Oikopleura (Vexillaria) rufescens</i>	0.199	0.985	0.936	10.302	10.581	0.003
95	Arthropoda	Oithonidae	<i>Oithona attenuata</i>	0	0	0	0	0	0
96	Arthropoda	Oithonidae	<i>Oithona brevicornis brevicornis</i>	3.348	0.591	3.566	0.139	0.557	4.674
97	Arthropoda	Oithonidae	<i>Oithona</i> larva	0	0	0	0	0	0
98	Arthropoda	Oncaecidae	<i>Oncaea clevei</i>	0	0	0	0.139	0.278	0
99	Arthropoda	Oncaecidae	<i>Oncaea venusta</i>	0	0	0	0	0	0
100	Echinodermata	--	Ophiopluteus larva	0.394	0.197	0	2.506	1.671	0.292
101	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	0.039	0.039	0.892	2.367	2.227	0
102	Arthropoda	Paracalanidae	<i>Paracalanus gracilis</i>	0	0	0	0	0	0
103	Arthropoda	Paracalanidae	<i>Paracalanus parvus parvus</i>	0	0	0	0.003	0.001	0
104	Arthropoda	Paracalanidae	<i>Paracalanus</i> sp.	0	0	0	0	0	0
105	Arthropoda	Paracalanidae	<i>Paracalanus aculeatus</i>	1.182	0.394	0.446	0	0	1.752
106	Arthropoda	Paracalanidae	<i>Parvocalanus crassirostris</i>	0	0	0.892	0.001	0	0
107	Arthropoda	Sididae	<i>Penilia avirostris</i>	0	0	0	0.139	0.278	0
108	Arthropoda	Mysidae	<i>Rhopalophthalmus</i> larvae	0	0	0	0	0.028	0
109	Ctenophora	Pleurobrachiidae	<i>Pleurobrachia globosa</i>	0	0	0	0	0.028	0
110	Annelidae	--	Polychaeta larvae	0.002	0.396	0.448	2.227	2.784	0
111	Arthropoda	Pontellidae	<i>Pontella</i> larva	0	0	0	0.028	0.056	0
112	Arthropoda	Pontellidae	<i>Pontellopsis tenuicauda</i>	0	0	0	0	0	0
113	Arthropoda	Pontellidae	<i>Pontellopsis yamadai</i>	0.197	0	0.002	0.001	0	0.295
114	Arthropoda	Halocyprididae	<i>Porroecia porrecta</i>	0	0	0	0	0	0
115	Arthropoda	Mysidae	<i>Promysis orientalis</i>	0	0	0	0.697	0.557	0
116	Arthropoda	Euphausiidae	<i>Pseudeuphausia</i> larvae	0.199	0.041	0.045	9.885	8.353	0.292
117	Arthropoda	Pseudodiaptomidae	<i>Pseudodiaptomus bispinosus</i>	0	0	0	0	0	0
118	Chaetognatha	Sagittidae	<i>Zonosagitta bedoti</i>	3.151	1.182	0	0.139	0.835	2.919
119	Chaetognatha	Sagittidae	<i>Aidanosagitta delicata</i>	0.039	0.079	1.382	1.114	0.558	1.168
120	Chaetognatha	Sagittidae	<i>Flaccisagitta enflata</i>	48.444	51.201	83.366	17.542	21.161	88.747
121	Chaetognatha	Sagittidae	<i>Ferosagitta ferox</i>	0	0	0	0.084	0.084	0
122	Chaetognatha	Sagittidae	<i>Flaccisagitta hexaptera</i>	17.723	8.310	1.828	8.214	8.632	32.696
123	Chaetognatha	Sagittidae	Sagittidae larvae	20.874	17.329	12.483	4.455	5.569	29.193
124	Chaetognatha	Sagittidae	<i>Aidanosagitta neglecta</i>	0	0	0	0	0	0
125	Chaetognatha	Sagittidae	<i>Decipisagitta decipiens</i>	0	0	0	0	0	0
126	Arthropoda	Sapphirinidae	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0
127	Arthropoda	Scolecitricidae	<i>Scolecitricella longispinosa</i>	0	0	0	0	0	0
128	Arthropoda	Sergestidae	<i>Sergestes</i> larva	0	0	0	0	0	0
129	Cnidaria	Solmundellaegonidae	<i>Solmundella bitentaculata</i>	0	0	0.002	0	0.001	0
130	Arthropoda	Subeucalanidae	<i>Subeucalanus crassus</i>	13.588	7.485	15.160	12.251	13.643	23.063
131	Arthropoda	Temoridae	<i>Temora discaudata</i>	0	0.002	0.002	5.708	1.671	0
132	Arthropoda	Temoridae	<i>Temora turbinata</i>	3.545	5.514	7.133	19.073	21.718	6.422
133	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) gracilis</i>	0.433	0.394	0.446	9.467	7.518	1.226
134	Arthropoda	Tortanidae	<i>Tortanus (Tortanus) forcipatus</i>	0	0	0	0	0	0
135	Arthropoda	Calanidae	<i>Undinula vulgaris</i>	0	0	0	1.531	1.114	0
Overall Biomass (g/m <sup>3</sup> wet weight)				0.11	0.08	0.12	0.16	0.16	0.20