

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			19/09/2019					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	0	0	0	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	0	0	0	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	2206.7	0	191.7	18750.0	30918.3	28673.3
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrium hyalinum</i>	0	0	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrium varians</i>	0	0	0	0	0	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	0	0	0	0
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	0	0	0	0	0	0
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	0	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	191.7	0	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	575.0	10416.7	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	0	0	0	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	3676.7	4688.3	2490.0	15278.3	13006.7	10753.3
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	1563.3	1150.0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	368.3	0	0	11285.0	7631.7	716.7
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	980.0	0	0	26041.7	701.7	716.7
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	1150.0	7638.3	2648.3	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	0	6945.0	0	716.7
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	538.3
30	Bacillariophyta	<i>Chaetoceros distans</i>	980.0	0	0	17188.3	1090.0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	0	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	1225.0	0	766.7	12153.3	6386.7	716.7
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	245.0	0	0	10243.3	10591.7	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	245.0	1563.3	0	4166.7	2336.7	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	245.0	0	0	0	3816.7	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	858.3	0	0	7638.3	935.0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	1150.0	10243.3	0	0
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	0	1533.3	0	0	716.7
41	Bacillariophyta	<i>Climacodium frauenfeldianum</i>	0	0	0	0	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	0	0	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	735.0	0	0	0	0	180.0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	245.0	0	958.3	0	0	358.3
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	0	0	0	0	0	0
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	1470.0	2083.3	0	0	4595.0	180.0
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	1960.0	260.0	0	12846.7	28271.7	538.3
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	0	1563.3	766.7	0	0	37635.0
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	0	0	0	0	0	0
59	Bacillariophyta	<i>Diploneis bombus</i>	0	0	0	0	0	180.0
60	Bacillariophyta	<i>Ditylum brightwelli</i>	0	0	0	0	0	358.3
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	0	0	0	0	0
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	358.3
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0

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			Wet Season					
Monitoring Date			19/09/2019					
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Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	0	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	538.3
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	0	0	0	0	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	0	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	0	0	0	0	0	0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	358.3
72	Bacillariophyta	<i>Gyrosigma spp.</i>	0	0	0	0	0	0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	0	0	0	0	0	0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	1470.0	0	0	8680.0	10201.7	1075.0
78	Bacillariophyta	<i>Lauderia annulata</i>	0	0	0	0	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	2206.7	1041.7	0	10243.3	8800.0	0
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	0	0	0	0	0	0
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	0	0	0	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	716.7
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	980.0	0	191.7	0	2491.7	0
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	0	0	0	0	0	0
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	0	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	0	0	0	0	0	0
94	Bacillariophyta	<i>Nitzschia spp.</i>	0	0	0	0	0	0
95	Bacillariophyta	<i>Paralia sulcata</i>	0	0	0	0	0	0
96	Bacillariophyta	<i>Pinnularia sp.</i>	1225.0	260.0	0	0	155.0	0
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	0	0	0	0	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	0	0	0	0	0	0
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	0	0	0	0	0	0
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	0	0	0	0	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	0	0	0	0	0	0
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	0	0	0	0	0	0
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	0	0	0	0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	260.0	0	0	78.3	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	0	0	0	0	0	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	2083.3	0	0	281945.0	94236.7	1791.7
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	50000.0	5990.0	8046.7	0	243380.0	53763.3
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	123.3	0	0	0	0	180.0
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	2083.3	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	0	0	0	0	0	896.7
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	0	521.7	383.3	5730.0	935.0	2688.3
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	0	0	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	0	0	0	0	0	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	735.0	0	0	5035.0	0	0
119	Bacillariophyta	<i>Skeletonema costatum</i>	35293.3	25260.0	5555.0	307291.7	119315.0	86021.7
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	0	0	0	0	0	0
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	0	0	0	0	0	0
124	Bacillariophyta	<i>Synedra spp.</i>	368.3	0	0	1388.3	0	0
125	Bacillariophyta	<i>Synedra tabulata</i>	0	0	0	0	0	0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	6495.0	2605.0	2298.3	23785.0	19236.7	8065.0
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	1563.3	958.3	4513.3	16511.7	11648.3
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	1103.3	0	0	0	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

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#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	0	0	0	0	0	0
132	Bacillariophyta	<i>Thalassiosira rotula</i>	0	0	0	0	0	0
133	Bacillariophyta	<i>Thalassiosira</i> sp.	0	0	0	4688.3	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	2083.3	1301.7	575.0	6945.0	2336.7	11648.3
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	0	0	0	180.0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	0	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium</i> sp.	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	191.7	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	0	0	191.7	0	0	180.0
142	Dinophyceae	<i>Ceratium fuscus</i>	0	260.0	0	0	0	358.3
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	0	0	0	358.3
146	Dinophyceae	<i>Dinophysis caudata</i>	0	260.0	0	0	311.7	0
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	78.3	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	0	0	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium</i> spp.	0	0	0	0	0	0
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	0	0	0	0
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	0	0	0	0	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	0	180.0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	0	0	0	0	0
158	Dinophyceae	<i>Karenia</i> sp.	0	260.0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum</i> sp.	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	0	0	0	0	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	368.3	0	191.7	1041.7	311.7	180.0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	0	191.7	0	0	716.7
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	245.0	0	0	0	0	0
166	Dinophyceae	<i>Protoperidinium conicum</i>	0	0	0	0	0	0
167	Dinophyceae	<i>Protoperidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoperidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoperidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoperidinium oceanicum</i>	0	0	0	0	0	0
171	Dinophyceae	<i>Protoperidinium pellucidum</i>	0	0	0	0	0	180.0
172	Dinophyceae	<i>Protoperidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoperidinium</i> sp.	0	0	191.7	0	0	0
174	Dinophyceae	<i>Pyrophacus horoiogicum</i>	123.3	260.0	0	0	0	180.0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	0	0	0	0	0
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	0	0	0	0	0	0
177	Cyanobacteria	<i>Oscillatoria</i> sp.	0	0	0	0	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	0	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella</i> sp.	0	0	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	180.0
182	Chlorophyta	<i>Pyramimonas</i> sp.	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas</i> sp.	0	0	0	0	0	0
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella</i> sp.	0	0	0	0	0	0
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	0	0
187	Ochrophyta	<i>Cocconeis</i> sp.	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	0	0	191.7	0	0	538.3
189	Ochrophyta	<i>Heterosigma akashiwo</i>	0	0	0	0	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	0	0	0	0	0

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			Wet Season					
Monitoring Date			19/09/2019					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	0	0	0	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	0	0	0	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	148.3	0	29761.7	1851.7	25000.0
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrium hyalinum</i>	0	446.7	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrium varians</i>	0	0	0	0	0	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	0	0	0	0
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	0	0	0	198.3	0	166.7
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	0	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	0	0	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	463.3	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	0	0	0	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	3030.0	446.7	666.7	15476.7	1235.0	6666.7
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	298.3	0	0	0	2000.0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	500.0	396.7	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	1833.3	0	385.0	13333.3
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	1333.3	2381.7	0	19166.7
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	1000.0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	666.7	396.7	0	500.0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	333.3	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	595.0	666.7	0	231.7	500.0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	0	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	0	0	333.3	0	848.3	3000.0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	893.3	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	463.3	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	333.3	396.7	0	666.7
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	616.7	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	991.7	0	15833.3
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	455.0	893.3	1333.3	595.0	0	0
41	Bacillariophyta	<i>Climacodium frauenfeldianum</i>	0	0	0	0	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	0	0	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	198.3	1235.0	500.0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	303.3	298.3	0	198.3	540.0	333.3
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	0	0	0	0	0	0
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	166.7
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	0	0	0	198.3	1080.0	666.7
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	166.7	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	0	298.3	166.7	1190.0	6945.0	0
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	0	595.0	833.3	25793.3	2238.3	11666.7
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	0	0	0	0	0	0
59	Bacillariophyta	<i>Diploneis bombus</i>	0	0	0	0	0	0
60	Bacillariophyta	<i>Ditylum brightwelli</i>	0	0	166.7	198.3	0	166.7
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	198.3	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	198.3	231.7	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	0	0	0	0	0
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			19/09/2019					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	0	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	303.3	148.3	0	1190.0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	0	0	0	0	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	0	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	0	0	0	0	0	0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	396.7	0	166.7
72	Bacillariophyta	<i>Gyrosigma spp.</i>	0	0	166.7	0	0	0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	0	0	0	0	0	0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	793.3	0	1000.0
78	Bacillariophyta	<i>Lauderia annulata</i>	0	0	0	0	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	0	0	666.7	793.3	848.3	666.7
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	0	0	0	0	0	0
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	0	0	0	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	298.3	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	606.7	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	1190.0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	0	0	0	793.3	616.7	0
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	0	0	0	0	0	0
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	166.7	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	0	0	0	0	0	0
94	Bacillariophyta	<i>Nitzschia spp.</i>	0	0	0	0	0	0
95	Bacillariophyta	<i>Paralia sulcata</i>	0	0	0	0	0	0
96	Bacillariophyta	<i>Pinnularia sp.</i>	0	0	0	0	0	0
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	0	0	0	0	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	0	0	0	0	0	0
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	0	0	0	0	0	0
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	0	0	0	0	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	0	0	0	0	0	0
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	151.7	0	0	0	0	0
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	0	0	0	0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	833.3
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	0	0	0	0	0	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	0	0	2166.7	0	616.7	12500.0
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	23485.0	8631.7	25333.3	159721.7	15510.0	80833.3
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	0	0	0	396.7	0	333.3
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	151.7	148.3	333.3	198.3	0	2833.3
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	0	0	0	595.0	0	666.7
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	0	0	198.3	1543.3	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	0	0	0	0	0	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	0	0	0	0	1698.3	0
119	Bacillariophyta	<i>Skeletonema costatum</i>	8181.7	12053.3	7000.0	65873.3	14968.3	89166.7
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	0	0	0	0	0	0
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	0	0	0	0	0	0
124	Bacillariophyta	<i>Synedra spp.</i>	0	148.3	0	0	1583.3	0
125	Bacillariophyta	<i>Synedra tabulata</i>	0	0	0	0	0	0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	166.7	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	4545.0	1041.7	1833.3	396.7	3318.3	18333.3
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	908.3	1041.7	500.0	1785.0	463.3	2166.7
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	0	540.0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			19/09/2019					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	0	0	0	0	0	0
132	Bacillariophyta	<i>Thalassiosira rotula</i>	0	0	0	396.7	0	0
133	Bacillariophyta	<i>Thalassiosira</i> sp.	0	0	0	0	0	333.3
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	303.3	1190.0	0	12896.7	2700.0	166.7
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum</i> f. <i>quadrangularis</i>	0	0	0	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	0	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium</i> sp.	0	148.3	166.7	0	0	166.7
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	148.3	0	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	0	0	0	0	155.0	333.3
142	Dinophyceae	<i>Ceratium fusus</i>	0	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	0	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	148.3	0	198.3	463.3	166.7
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	0	0	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	198.3	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	606.7	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium</i> spp.	0	0	0	0	0	0
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	0	0	0	0
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	0	0	0	0	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	148.3	0	198.3	0	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	0	0	0	0	0
158	Dinophyceae	<i>Karenia</i> sp.	0	148.3	0	198.3	0	0
159	Dinophyceae	<i>Oxytoxum</i> sp.	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	198.3	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	0	0	0	595.0	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	151.7	0	0	396.7	0	500.0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	0	166.7	0	0	833.3
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	0	0	166.7	198.3	0	166.7
166	Dinophyceae	<i>Protoperidinium conicum</i>	0	0	0	0	0	0
167	Dinophyceae	<i>Protoperidinium divergens</i>	0	0	0	0	0	166.7
168	Dinophyceae	<i>Protoperidinium elegans</i>	0	0	0	0	231.7	0
169	Dinophyceae	<i>Protoperidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoperidinium oceanicum</i>	0	0	0	0	0	0
171	Dinophyceae	<i>Protoperidinium pellucidum</i>	0	0	0	0	0	0
172	Dinophyceae	<i>Protoperidinium pentagonum</i>	0	0	0	595.0	0	0
173	Dinophyceae	<i>Protoperidinium</i> sp.	0	0	0	198.3	0	0
174	Dinophyceae	<i>Pyrophacus horoiogicum</i>	151.7	148.3	0	198.3	0	166.7
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	0	0	0	0	0
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	0	0	0	396.7	385.0	666.7
177	Cyanobacteria	<i>Oscillatoria</i> sp.	0	0	0	0	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	0	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	148.3	0	0	0	0
180	Chlorophyta	<i>Chlorella</i> sp.	0	0	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	446.7	0	198.3	0	333.3
182	Chlorophyta	<i>Pyramimonas</i> sp.	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas</i> sp.	0	0	0	0	0	0
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	198.3	0	0
185	Euglenophyta	<i>Eutreptiella</i> sp.	0	0	0	0	0	0
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	0	0
187	Ochrophyta	<i>Cocconeis</i> sp.	0	0	166.7	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	0	148.3	0	198.3	0	166.7
189	Ochrophyta	<i>Heterosigma akashiwo</i>	0	0	0	0	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			19/09/2019					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	0	0	0	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	0	0	0	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	1166.7	10300.0	0	59140.0	10166.7	8248.3
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	163.3	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrum hyalinum</i>	0	0	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrum varians</i>	0	0	0	0	0	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	0	0	0	0
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	0	0	0	60.0	0	255.0
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	60.0	0	765.0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	0	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	0	0	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	666.7	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	0	0	0	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	10166.7	9363.3	2125.0	7168.3	4750.0	8758.3
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	748.3	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	1000.0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	238.3	0	3741.7
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	9363.3	0	8960.0	0	0
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	1333.3	0	0	596.7	3250.0	765.0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	666.7	0	980.0	0	0	850.0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	0	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	666.7	12171.7	0	0	0	0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	120.0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	980.0	0	1333.3	510.0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	326.7	1255.0	0	2381.7
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	980.0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	180.0	250.0	765.0
38	Bacillariophyta	<i>Chaetoceros teres</i>	1333.3	1123.3	326.7	298.3	0	0
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	358.3	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	5805.0	0	3345.0	0	0
41	Bacillariophyta	<i>Climacodium frauenfeldianum</i>	0	0	0	0	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	0	0	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	60.0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	1075.0	250.0	170.0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	0	0	0	0	0	0
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	1333.3	186.7	0	120.0	2916.7	3231.7
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	0	375.0	0	1971.7	14833.3	2636.7
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	1833.3	1311.7	0	38231.7	1000.0	6718.3
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	0	0	0	0	0	0
59	Bacillariophyta	<i>Diploneis bombus</i>	0	186.7	0	0	0	0
60	Bacillariophyta	<i>Ditylum brightwelli</i>	0	186.7	0	60.0	0	0
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	0	0	0	0	0
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	186.7	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			19/09/2019					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	0	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	1123.3	0	7228.3	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	0	0	0	0	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	163.3	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	0	0	0	0	0	0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	0	0	0	0	0	0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	0	0	0	0	0	0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	170.0
77	Bacillariophyta	<i>Lauderia borealis</i>	666.7	0	0	120.0	4000.0	2381.7
78	Bacillariophyta	<i>Lauderia annulata</i>	0	0	0	0	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	666.7	0	326.7	0	1666.7	1445.0
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	0	0	0	0	0	0
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	0	0	0	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	60.0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	0	186.7	0	60.0	0	510.0
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	0	0	0	0	0	0
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	0	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	0	0	0	0	0	0
94	Bacillariophyta	<i>Nitzschia spp.</i>	0	0	0	0	0	0
95	Bacillariophyta	<i>Paralia sulcata</i>	0	0	0	0	0	0
96	Bacillariophyta	<i>Pinnularia sp.</i>	0	0	0	0	0	0
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	0	0	0	0	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	0	0	0	0	0	0
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	0	0	0	0	0	0
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	0	0	0	0	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	0	0	0	0	0	0
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	0	0	0	0	0	0
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	0	0	0	0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	0	0	0	0	0	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	0	5618.3	3268.3	19713.3	1500.0	1190.0
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	16333.3	191011.7	97221.7	67503.3	84916.7	76955.0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	0	0	0	0	0	0
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	666.7	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	0	186.7	163.3	10811.7	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	500.0	1123.3	163.3	5735.0	1916.7	680.0
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	186.7	0	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	0	0	0	0	0	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	0	0	0	0	583.3	0
119	Bacillariophyta	<i>Skeletonema costatum</i>	16000.0	49625.0	16340.0	93190.0	56000.0	18793.3
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	0	0	0	0	0	0
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	0	0	0	0	0	0
124	Bacillariophyta	<i>Synedra spp.</i>	0	0	0	0	0	0
125	Bacillariophyta	<i>Synedra tabulata</i>	0	0	0	0	0	0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	6333.3	7490.0	8986.7	3585.0	29166.7	27721.7
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	4333.3	6555.0	326.7	358.3	3333.3	3911.7
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	0	0	255.0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	186.7	163.3	358.3	0	0



Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			19/09/2019					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	0	0	0	0	0	0
132	Bacillariophyta	<i>Thalassiosira rotula</i>	0	0	0	0	0	0
133	Bacillariophyta	<i>Thalassiosira sp.</i>	0	0	0	0	1250.0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	0	11236.7	4085.0	12545.0	1916.7	2721.7
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	60.0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	0	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	0	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium sp.</i>	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	0	60.0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	0	0	0	120.0	0	0
142	Dinophyceae	<i>Ceratium fuscus</i>	0	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	186.7	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	0	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	0	0	120.0	250.0	255.0
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	163.3	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	0	0	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	186.7	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium spp.</i>	0	0	0	0	0	0
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	0	0	0	0
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	0	0	0	0	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	0	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	0	0	0	0	0
158	Dinophyceae	<i>Karenia sp.</i>	833.3	0	0	120.0	0	0
159	Dinophyceae	<i>Oxytoxum sp.</i>	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	0	0	0	0	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	0	0	0	358.3	0	3146.7
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	0	0	120.0	0	0
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	333.3	0	163.3	120.0	0	0
166	Dinophyceae	<i>Protoperidinium conicum</i>	0	0	0	0	0	0
167	Dinophyceae	<i>Protoperidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoperidinium elegans</i>	0	0	0	120.0	166.7	85.0
169	Dinophyceae	<i>Protoperidinium latissimum</i>	0	0	0	60.0	0	0
170	Dinophyceae	<i>Protoperidinium oceanicum</i>	0	0	0	0	0	0
171	Dinophyceae	<i>Protoperidinium pellucidum</i>	0	0	0	0	0	0
172	Dinophyceae	<i>Protoperidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoperidinium sp.</i>	0	0	0	120.0	0	0
174	Dinophyceae	<i>Pyrophacus horoiogenicum</i>	166.7	186.7	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	0	0	0	0	0
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	0	0	0	60.0	0	0
177	Cyanobacteria	<i>Oscillatoria sp.</i>	0	0	0	0	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	0	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella sp.</i>	0	0	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas sp.</i>	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas sp.</i>	0	0	0	0	0	0
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella sp.</i>	0	0	0	0	0	0
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	0	0
187	Ochrophyta	<i>Cocconeis sp.</i>	0	186.7	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	0	186.7	163.3	180.0	0	0
189	Ochrophyta	<i>Heterosigma akashiwo</i>	0	0	0	0	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			03/10/2019					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	166.7	0	0	0	166.7	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	166.7	0	0	0	333.3	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	166.7	0	0	0	0
6	Bacillariophyta	<i>Asterionellopsis karitana</i>	0	0	0	333.3	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrium hyalinum</i>	0	0	0	0	166.7	0
10	Bacillariophyta	<i>Bacteriastrium varians</i>	0	0	0	0	0	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	0	0	0	0
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	0	0	0	0	0	0
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	333.3	0	0	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	0	0	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	166.7	0	0	0	0	166.7
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	0	0	0	0	166.7	0
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	0	0	0
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	0	0	0	0
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	0	0	0	0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	0	0	0	0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	0	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	166.7	0	166.7	0	0	0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	0	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	0	0	0
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	166.7	0	166.7	0	0
41	Bacillariophyta	<i>Climacodinium frauenfeldianum</i>	0	0	0	0	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	0	0	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	166.7
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	0	0	0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	0	166.7	333.3	0	166.7	0
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	0	166.7	0	333.3	0	0
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	333.3	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	333.3	0	0	0	166.7	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	3666.7	3000.0	3500.0	2166.7	1333.3	2833.3
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	0	333.3	333.3	0	0	0
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	333.3	1166.7	166.7	0	166.7	666.7
59	Bacillariophyta	<i>Diploneis bombus</i>	0	0	0	166.7	0	0
60	Bacillariophyta	<i>Ditylum brightwelli</i>	0	333.3	166.7	166.7	166.7	0
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	0	0	0	0	0
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			03/10/2019					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	0	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	0	166.7	500.0	0	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	166.7	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	0	0	0	0	0	0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	0	0	0	166.7	0	0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	166.7	166.7	0	0	0	0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	0	0	0
78	Bacillariophyta	<i>Lauderia annulata</i>	0	0	0	0	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	2000.0	2000.0	3333.3	1833.3	4000.0	3333.3
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	0	0	166.7	0	0	0
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	166.7	333.3	166.7	166.7	166.7	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	166.7	0	0	333.3	166.7
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	166.7	0	0	0	0	0
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	0	0	0	166.7	0	333.3
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	0	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	0	0	0	166.7	0	0
94	Bacillariophyta	<i>Nitzschia spp.</i>	1166.7	1000.0	833.3	333.3	666.7	333.3
95	Bacillariophyta	<i>Paralia sulcata</i>	0	0	166.7	0	0	166.7
96	Bacillariophyta	<i>Pinnularia sp.</i>	0	0	0	0	166.7	333.3
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	0	0	0	0	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	0	0	166.7	0	0	0
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	0	0	0	0	166.7	0
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	0	0	0	0	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	0	0	0	0	0	0
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	0	0	0	0	166.7	0
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	0	0	0	0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudonitzschia delicatissima</i>	833.3	3333.3	2000.0	166.7	666.7	833.3
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	166.7	666.7	0	166.7	166.7	0
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	0	0	0	0	0	0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	1000.0	166.7	0	0	0	0
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	0	0	0	0	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	166.7	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	0	0	500.0	0	0	0
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	166.7	0	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	333.3	0	0	0	166.7	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	0	0	0	0	0	0
119	Bacillariophyta	<i>Skeletonema costatum</i>	333.3	0	833.3	333.3	0	166.7
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	0	0	0	0	0	0
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	333.3	0	166.7	166.7	0	166.7
124	Bacillariophyta	<i>Synedra spp.</i>	1000.0	2333.3	1500.0	3333.3	3500.0	5000.0
125	Bacillariophyta	<i>Synedra tabulata</i>	0	0	0	166.7	0	333.3
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	3166.7	833.3	3000.0	2000.0	1833.3	2833.3
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	0	0	0	0	0
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	0	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			03/10/2019					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	0	0	0	0	166.7	0
132	Bacillariophyta	<i>Thalassiosira rotula</i>	1833.3	833.3	333.3	1166.7	333.3	1833.3
133	Bacillariophyta	<i>Thalassiosira sp.</i>	0	0	0	0	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	166.7	166.7	166.7	0	166.7	166.7
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	0	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	0	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium sp.</i>	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	0	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	166.7	166.7	333.3	0	0	0
142	Dinophyceae	<i>Ceratium fusus</i>	0	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	0	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	0	0	0	0	0
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	166.7	666.7	166.7	0	0	166.7
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium spp.</i>	500.0	333.3	500.0	0	0	333.3
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	166.7	0	0	0
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	0	0	0	0	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	0	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	0	0	0	0	0
158	Dinophyceae	<i>Karenia sp.</i>	0	0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum sp.</i>	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	833.3	0	0	0	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	0	166.7	0	0	0	0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	166.7	166.7	0	0	166.7
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	0	0	166.7	0	0	0
166	Dinophyceae	<i>Protoperidinium conicum</i>	0	0	0	0	0	0
167	Dinophyceae	<i>Protoperidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoperidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoperidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoperidinium oceanicum</i>	166.7	333.3	0	0	0	0
171	Dinophyceae	<i>Protoperidinium pellucidum</i>	1166.7	500.0	333.3	166.7	333.3	166.7
172	Dinophyceae	<i>Protoperidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoperidinium sp.</i>	1000.0	166.7	500.0	0	0	166.7
174	Dinophyceae	<i>Pyrophacus horoiogenicum</i>	0	0	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	0	0	0	166.7	166.7
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	0	166.7	0	0	0	0
177	Cyanobacteria	<i>Oscillatoria sp.</i>	0	0	0	0	0	666.7
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	0	166.7	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella sp.</i>	0	166.7	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas sp.</i>	0	166.7	0	1500.0	0	1166.7
183	Cryptophyta	<i>Cryptomonas sp.</i>	333.3	0	0	166.7	0	0
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella sp.</i>	666.7	833.3	166.7	0	0	166.7
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	166.7	0
187	Ochrophyta	<i>Cocconeis sp.</i>	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	0	0	0	0	0	166.7
189	Ochrophyta	<i>Heterosigma akashiwo</i>	0	0	166.7	0	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	0	0	0	0	166.7

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			03/10/2019					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	0	0	0	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	166.7	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	166.7	0	333.3	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	0	0	0	166.7	0
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrum hyalinum</i>	0	0	0	333.3	0	0
10	Bacillariophyta	<i>Bacteriastrum varians</i>	166.7	0	0	0	333.3	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	0	0	0	0
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	0	0	0	0	0	0
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	166.7	0	333.3	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	0	0	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	0	0	0	166.7	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	0	500.0	0	0	0	0
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	0	0	0
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	0	0	0	0
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	0	0	166.7	0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	0	0	0	0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	0	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	0	0	0	0	0	0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	0	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	0	0	0
39	Bacillariophyta	<i>Chaetoceros tortisimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	0	333.3	166.7	0	0
41	Bacillariophyta	<i>Climacodinium frauenfeldianum</i>	0	0	0	0	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	166.7	0	0	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	0	0	0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	0	166.7	0	0	0	0
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	166.7	333.3	0	166.7	166.7	0
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	166.7	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	500.0	333.3	0	0	166.7	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	666.7	2166.7	2666.7	1666.7	666.7	1833.3
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	166.7	0	0	166.7	0	0
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	833.3	833.3	666.7	333.3	666.7	666.7
59	Bacillariophyta	<i>Diploneis bombus</i>	0	0	0	0	0	0
60	Bacillariophyta	<i>Ditylum brightwelli</i>	500.0	333.3	333.3	333.3	0	166.7
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	0	0	0	0	0
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			03/10/2019					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	0	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	1166.7	833.3	666.7	0	0	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	166.7	0	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	0	0	0	0	0	0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	0	166.7	0	0	0	0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	0	0	0	0	0	0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	0	0	0
78	Bacillariophyta	<i>Lauderia annulata</i>	0	0	0	0	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	1833.3	9333.3	7833.3	3000.0	2166.7	1166.7
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	0	0	0	0	333.3	0
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	333.3	1833.3	166.7	0	500.0	166.7
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	0	333.3	0	166.7	0	166.7
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	0	166.7	0	0	0	0
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	0	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	0	0	0	0	0	0
94	Bacillariophyta	<i>Nitzschia spp.</i>	333.3	500.0	1833.3	0	166.7	333.3
95	Bacillariophyta	<i>Paralia sulcata</i>	0	0	0	166.7	0	166.7
96	Bacillariophyta	<i>Pinnularia sp.</i>	0	0	0	0	0	0
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	0	0	0	0	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	0	0	0	0	0	0
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	0	0	0	0	0	0
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	0	0	0	0	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	0	0	0	0	0	0
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	0	0	0	0	0	0
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	0	166.7	0	0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	1666.7	2000.0	1166.7	1333.3	0	666.7
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	166.7	833.3	0	333.3	0	0
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	0	0	0	0	0	0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	0	333.3	166.7	0	0	0
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	0	0	0	0	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	0	0	500.0	0	0	0
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	0	0	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	0	0	0	0	0	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	0	0	0	0	0	0
119	Bacillariophyta	<i>Skeletonema costatum</i>	500.0	666.7	333.3	166.7	166.7	333.3
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	0	0	0	0	0	0
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	0	0	166.7	0	0	166.7
124	Bacillariophyta	<i>Synedra spp.</i>	1833.3	6666.7	5333.3	3666.7	1333.3	1000.0
125	Bacillariophyta	<i>Synedra tabulata</i>	0	333.3	0	333.3	0	0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	2833.3	3833.3	1833.3	3000.0	1166.7	2166.7
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	0	0	0	0	0
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	0	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			03/10/2019					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	166.7	0	0	0	0	166.7
132	Bacillariophyta	<i>Thalassiosira rotula</i>	166.7	1666.7	166.7	1000.0	333.3	1166.7
133	Bacillariophyta	<i>Thalassiosira sp.</i>	0	0	0	0	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	166.7	166.7	0	0	0	333.3
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	0	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	0	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium sp.</i>	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	0	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	0	0	0	0	0	0
142	Dinophyceae	<i>Ceratium fuscus</i>	0	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	0	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	0	0	0	0	0
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	333.3	0	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium spp.</i>	166.7	166.7	500.0	166.7	166.7	333.3
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	0	0	0	0
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	0	0	0	0	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	0	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	0	0	0	0	0
158	Dinophyceae	<i>Karenia sp.</i>	0	0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum sp.</i>	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	0	333.3	0	0	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	0	0	0	166.7	0	0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	0	0	0	0	0
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	166.7	0	0	0	0	0
166	Dinophyceae	<i>Protoperidinium conicum</i>	0	0	333.3	0	0	0
167	Dinophyceae	<i>Protoperidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoperidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoperidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoperidinium oceanicum</i>	0	500.0	0	0	0	0
171	Dinophyceae	<i>Protoperidinium pellucidum</i>	666.7	333.3	166.7	0	0	166.7
172	Dinophyceae	<i>Protoperidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoperidinium sp.</i>	0	0	166.7	166.7	0	0
174	Dinophyceae	<i>Pyrophacus horoiogicum</i>	0	0	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	0	0	0	0	0
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	166.7	0	0	0	0	0
177	Cyanobacteria	<i>Oscillatoria sp.</i>	0	0	0	0	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	333.3	166.7	0	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella sp.</i>	0	0	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas sp.</i>	333.3	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas sp.</i>	0	333.3	0	0	166.7	166.7
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella sp.</i>	333.3	666.7	666.7	500.0	166.7	0
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	0	0
187	Ochrophyta	<i>Cocconeis sp.</i>	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	0	166.7	0	0	0	0
189	Ochrophyta	<i>Heterosigma akashiwo</i>	0	0	0	166.7	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			03/10/2019					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinocyclus senarius</i>	0	0	0	0	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	0	0	0	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	333.3	0	0	0	166.7
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrium hyalinum</i>	0	0	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrium varians</i>	0	0	0	166.7	0	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	0	0	0	0
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	0	0	0	0	0	0
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	0	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	0	0	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	0	0	0	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	166.7
19	Bacillariophyta	<i>Chaetoceros affinis</i>	0	0	0	0	0	0
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	0	0	0
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	0	0	0	0
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	0	0	166.7	0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	0	0	0	0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	0	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	0	0	0	0	0	0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	0	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	0	0	0
39	Bacillariophyta	<i>Chaetoceros tortisimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	0	333.3	0	0	166.7
41	Bacillariophyta	<i>Climacodium frauenfeldianum</i>	0	0	0	0	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	0	0	333.3	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	0	0	0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	0	0	0	0	0	0
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	0	0	166.7	166.7	166.7	0
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	166.7	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	166.7	0	0	166.7	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	833.3	1666.7	1500.0	2166.7	2333.3	2833.3
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	0	0	0	0	0	0
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	166.7	500.0	166.7	166.7	0	333.3
59	Bacillariophyta	<i>Diploneis bombus</i>	0	0	0	0	0	166.7
60	Bacillariophyta	<i>Ditylum brightwelli</i>	0	166.7	166.7	0	500.0	0
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	0	0	0	0	0
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0



## Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			03/10/2019					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	0	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	0	333.3	0	0	166.7
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	0	0	0	166.7
70	Bacillariophyta	<i>Guinardia striata</i>	0	0	0	0	0	0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	0	0	0	0	0	0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	0	0	0	0	0	0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	166.7	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	0	0	0
78	Bacillariophyta	<i>Lauderia annulata</i>	0	0	0	0	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	333.3	2166.7	1666.7	2000.0	3166.7	833.3
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	0	0	0	0	0	0
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	0	166.7	0	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	166.7	166.7	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	333.3	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	166.7	166.7	0	0	333.3	166.7
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	0	0	0	0	0	0
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	0	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	0	166.7	0	0	0	0
94	Bacillariophyta	<i>Nitzschia spp.</i>	500.0	1000.0	1000.0	833.3	1333.3	2000.0
95	Bacillariophyta	<i>Paralia sulcata</i>	0	166.7	166.7	0	166.7	0
96	Bacillariophyta	<i>Pinnularia sp.</i>	0	0	0	166.7	166.7	0
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	0	0	0	0	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	0	166.7	0	0	0	0
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	0	0	0	0	0	0
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	0	0	0	0	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	0	0	0	0	0	0
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	0	166.7	0	0	0	0
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	0	0	0	0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	166.7	666.7	333.3	0	500.0	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	0	0	166.7	0	0	0
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	0	0	0	0	0	0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	0	0	166.7	0	0	0
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	0	0	0	0	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	0	0	166.7	0	0	0
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	0	0	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	0	0	0	0	0	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	0	0	0	166.7	0	0
119	Bacillariophyta	<i>Skeletonema costatum</i>	333.3	0	0	0	666.7	500.0
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	0	0	0	0	0	166.7
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	0	0	0	166.7	0	0
124	Bacillariophyta	<i>Synedra spp.</i>	833.3	1166.7	1833.3	4500.0	5833.3	2666.7
125	Bacillariophyta	<i>Synedra tabulata</i>	0	0	0	0	0	0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	666.7	2500.0	2500.0	4166.7	3500.0	3833.3
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	0	0	0	0	0
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	0	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Wet Season					
Monitoring Date			03/10/2019					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	0	0	0	0	0	0
132	Bacillariophyta	<i>Thalassiosira rotula</i>	500.0	833.3	1000.0	1833.3	1333.3	666.7
133	Bacillariophyta	<i>Thalassiosira sp.</i>	0	0	0	0	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	0	0	0	0	500.0	166.7
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	166.7	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	0	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium sp.</i>	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	0	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	0	0	0	0	0	0
142	Dinophyceae	<i>Ceratium fusus</i>	0	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	0	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	166.7	0	0	0	166.7
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	0	0	0	0	333.3
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium spp.</i>	0	166.7	166.7	0	1000.0	0
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	0	0	0	166.7
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	0	0	0	0	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	0	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	0	0	0	0	0
158	Dinophyceae	<i>Karenia sp.</i>	0	0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum sp.</i>	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	0	0	0	333.3	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	0	0	0	0	166.7	0
164	Dinophyceae	<i>Prorocentrum minimum</i>	166.7	0	0	166.7	0	166.7
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	0	0	0	0	0	0
166	Dinophyceae	<i>Protoberidinium conicum</i>	0	0	166.7	0	0	0
167	Dinophyceae	<i>Protoberidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoberidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoberidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoberidinium oceanicum</i>	0	0	0	0	0	0
171	Dinophyceae	<i>Protoberidinium pellucidum</i>	0	0	166.7	0	333.3	0
172	Dinophyceae	<i>Protoberidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoberidinium sp.</i>	0	166.7	0	0	0	0
174	Dinophyceae	<i>Pyrophacus horioigicum</i>	0	0	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	0	0	0	0	0
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	0	0	0	166.7	0	0
177	Cyanobacteria	<i>Oscillatoria sp.</i>	0	0	0	0	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	166.7	166.7	0	0	500.0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella sp.</i>	0	0	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas sp.</i>	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas sp.</i>	166.7	166.7	0	0	0	166.7
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella sp.</i>	0	0	333.3	0	500.0	500.0
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	0	0
187	Ochrophyta	<i>Cocconeis sp.</i>	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	0	0	0	0	0	0
189	Ochrophyta	<i>Heterosigma akashiwo</i>	0	166.7	0	166.7	166.7	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	0	0	0	166.7	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			18/12/2019					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	0	0	0	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	0	0	0	0	0	166.7
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	0	166.7	166.7	0	0
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrum hyalinum</i>	0	166.7	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrum varians</i>	0	166.7	0	0	0	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	1000.0	1500.0	1500.0	833.3
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	166.7	0	0	0	333.3	833.3
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	166.7	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	0	0	500.0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	0	0	0	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	166.7	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	0	0	0	0	0	0
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	0	0	0
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	0	0	0	0
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	0	0	0	0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	333.3	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	0	0	0	0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	166.7	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	0	0	0	0	166.7	166.7
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	0	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	0	0	0
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	333.3	166.7	0	0	166.7	0
41	Bacillariophyta	<i>Climacodium frauenfeldianum</i>	0	166.7	0	0	0	166.7
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	166.7	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	0	0	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	166.7
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	0	0	0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	0	0	0	0	0	166.7
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	0	0	166.7	0	500.0	333.3
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	166.7	0	0	500.0	0
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	833.3	1000.0	1166.7	1500.0	500.0	1500.0
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	1000.0	1500.0	666.7	666.7	333.3	1166.7
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	0	166.7	0	166.7	166.7	0
59	Bacillariophyta	<i>Diploneis bombus</i>	0	0	0	166.7	0	166.7
60	Bacillariophyta	<i>Ditylum brightwellii</i>	333.3	666.7	166.7	500.0	1333.3	333.3
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	0	0	166.7	166.7	166.7
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			18/12/2019					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	333.3	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	0	0	0	0	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	0	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	333.3	833.3	1000.0	500.0	1000.0	1000.0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	0	166.7	0	0	333.3	0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	333.3	500.0	166.7	166.7	500.0	166.7
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	0	0	0
78	Bacillariophyta	<i>Lauderia annulata</i>	0	0	0	166.7	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	1166.7	0	0	0	333.3	666.7
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	0	0	166.7	0	333.3	166.7
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	0	166.7	0	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	166.7	333.3	166.7	0	0	1166.7
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	0	166.7	0	166.7	0	0
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	0	0	166.7	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	166.7	0	0	166.7	0	333.3
94	Bacillariophyta	<i>Nitzschia spp.</i>	2333.3	2500.0	1666.7	2000.0	2000.0	3166.7
95	Bacillariophyta	<i>Paralia sulcata</i>	0	166.7	0	333.3	0	0
96	Bacillariophyta	<i>Pinnularia sp.</i>	166.7	500.0	1000.0	1000.0	833.3	3333.3
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	0	0	0	166.7	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	166.7	500.0	500.0	1000.0	666.7	1333.3
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	1500.0	0	1166.7	1000.0	1833.3	1333.3
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	166.7	0	0	0	333.3
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	333.3	166.7	0	166.7	0	166.7
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	0	0	0	0	500.0	0
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	0	0	0	0	0	166.7
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	333.3	0	166.7	0	0	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	666.7	500.0	333.3	666.7	0	166.7
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	0	0	0	0	0	0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	0	333.3	0	166.7	0	0
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	0	0	0	0	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	500.0	0	166.7	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	333.3	333.3	333.3	0	166.7	166.7
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	166.7	333.3	0	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	500.0	0	500.0	333.3	166.7	166.7
117	Bacillariophyta	<i>Schröderella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schröderella delicatula f. schröderi</i>	0	166.7	833.3	1000.0	333.3	500.0
119	Bacillariophyta	<i>Skeletonema costatum</i>	333.3	500.0	333.3	666.7	166.7	500.0
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	0	166.7	0	0	0	166.7
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	0	166.7	166.7	333.3	666.7	166.7
124	Bacillariophyta	<i>Synedra spp.</i>	166.7	166.7	1333.3	1333.3	666.7	666.7
125	Bacillariophyta	<i>Synedra tabulata</i>	0	0	0	0	0	0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	2000.0	2000.0	5666.7	2833.3	6666.7	3333.3
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	0	0	0	0	0
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	0	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			18/12/2019					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	0	166.7	0	166.7	166.7	0
132	Bacillariophyta	<i>Thalassiosira rotula</i>	2000.0	1500.0	3000.0	4666.7	2333.3	2833.3
133	Bacillariophyta	<i>Thalassiosira sp.</i>	0	0	0	0	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	0	0	0	166.7	0	0
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	0	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	0	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium sp.</i>	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	0	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	166.7	333.3	333.3	0	0	0
142	Dinophyceae	<i>Ceratium fusus</i>	0	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	166.7	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	166.7	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	166.7	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	333.3	166.7	166.7	0	0
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	166.7	0	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	166.7	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium spp.</i>	1500.0	2000.0	0	333.3	0	333.3
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	0	0	0	0
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	166.7	500.0	0	0	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	0	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	166.7	666.7	0	0	0
158	Dinophyceae	<i>Karenia sp.</i>	0	0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum sp.</i>	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	166.7	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	500.0	0	0	0	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	1333.3	666.7	1500.0	0	0	0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	333.3	166.7	0	0	0
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	0	0	333.3	0	0	0
166	Dinophyceae	<i>Protoperidinium conicum</i>	0	166.7	0	0	0	0
167	Dinophyceae	<i>Protoperidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoperidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoperidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoperidinium oceanicum</i>	0	0	0	0	0	0
171	Dinophyceae	<i>Protoperidinium pellucidum</i>	0	166.7	166.7	0	0	0
172	Dinophyceae	<i>Protoperidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoperidinium sp.</i>	0	500.0	0	0	0	0
174	Dinophyceae	<i>Pyrophacus horoiogicum</i>	0	0	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	166.7	166.7	166.7	0	0	166.7
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	0	166.7	166.7	0	0	0
177	Cyanobacteria	<i>Oscillatoria sp.</i>	500.0	333.3	1333.3	166.7	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	0	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella sp.</i>	0	0	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas sp.</i>	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas sp.</i>	0	0	0	0	0	0
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella sp.</i>	0	166.7	2000.0	0	166.7	166.7
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	0	0
187	Ochrophyta	<i>Cocconeis sp.</i>	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	166.7	0	500.0	166.7	166.7	333.3
189	Ochrophyta	<i>Heterosigma akashiwo</i>	166.7	0	0	0	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	166.7	166.7	166.7	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			18/12/2019					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	0	0	0	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	0	0	0	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	0	0	0	166.7	166.7
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	666.7	0
9	Bacillariophyta	<i>Bacteriastrum hyalinum</i>	0	333.3	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrum varians</i>	0	0	0	0	166.7	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	666.7	500.0	0	500.0	333.3	833.3
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	166.7	166.7	166.7	333.3	333.3	166.7
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	0	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	0	0	166.7	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	166.7	0	0	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	166.7	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	0	0	0	0	0	0
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	166.7	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	0	0	0
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	0	0	0	0
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	166.7	0	0	0	166.7
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	0	0	0	0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	0	0	166.7	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	0	0	0	0	0	0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	0	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	0	0	0
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	0	0	0	0	0
41	Bacillariophyta	<i>Climacodium frauenfeldianum</i>	0	0	0	0	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	0	166.7	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	166.7	0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	0	0	0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	0	0	0	0	0	166.7
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	0	666.7	0	0	166.7	333.3
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	333.3	0	166.7
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	1000.0	2166.7	833.3	1333.3	1166.7	3333.3
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	333.3	1166.7	500.0	500.0	833.3	833.3
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	0	0	166.7	0	0	0
59	Bacillariophyta	<i>Diploneis bombus</i>	0	0	0	0	166.7	166.7
60	Bacillariophyta	<i>Ditylum brightwelli</i>	333.3	166.7	0	500.0	333.3	500.0
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	0	0	0	0	500.0
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			18/12/2019					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	166.7	0	1166.7
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	0	0	0	166.7	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	0	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	500.0	500.0	166.7	1000.0	333.3	166.7
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	166.7	166.7	166.7	666.7	333.3	666.7
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	0	500.0	0	166.7	0	500.0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	0	0	0
78	Bacillariophyta	<i>Lauderia annulata</i>	166.7	0	166.7	0	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	0	166.7	0	0	0	166.7
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	0	0	0	0	0	0
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	0	0	0	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	333.3	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	166.7	333.3	166.7	166.7	333.3	0
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	166.7	0	0	666.7	166.7	333.3
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	166.7	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	0	0	0	166.7	166.7	666.7
94	Bacillariophyta	<i>Nitzschia spp.</i>	1666.7	2333.3	2500.0	2833.3	2333.3	3000.0
95	Bacillariophyta	<i>Paralia sulcata</i>	166.7	166.7	333.3	500.0	166.7	166.7
96	Bacillariophyta	<i>Pinnularia sp.</i>	666.7	1000.0	833.3	1000.0	833.3	1333.3
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	166.7	0	166.7	166.7	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	333.3	1000.0	333.3	1333.3	833.3	333.3
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	0	333.3	333.3	666.7	1000.0	833.3
100	Bacillariophyta	<i>Pleurosigma formosum</i>	166.7	166.7	0	0	0	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	500.0	0	333.3	166.7	166.7	0
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	0	500.0	166.7	0	500.0	500.0
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	0	0	0	0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	166.7	500.0	0	0	0	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	0	0	166.7	0	0	333.3
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	0	0	0	0	0	0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	333.3	0	166.7	0	0	166.7
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	0	0	0	0	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	166.7	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	0	0	166.7	333.3	166.7	0
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	166.7	0	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	0	166.7	0	0	0	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	0	166.7	500.0	333.3	166.7	500.0
119	Bacillariophyta	<i>Skeletonema costatum</i>	0	166.7	333.3	1166.7	333.3	500.0
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	0	666.7	0	166.7	0	0
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	333.3	833.3	166.7	0	166.7	333.3
124	Bacillariophyta	<i>Synedra spp.</i>	0	166.7	166.7	500.0	1333.3	666.7
125	Bacillariophyta	<i>Synedra tabulata</i>	0	0	0	0	0	500.0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	833.3	1000.0	2333.3	6000.0	4000.0	6166.7
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	0	0	0	0	0
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	166.7	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

## Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			18/12/2019					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	0	166.7	0	0	0	0
132	Bacillariophyta	<i>Thalassiosira rotula</i>	833.3	1500.0	2833.3	2666.7	3833.3	1666.7
133	Bacillariophyta	<i>Thalassiosira sp.</i>	0	0	0	0	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	0	0	0	666.7	166.7	500.0
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	0	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	166.7	0
138	Dinophyceae	<i>Alexandrium catenella</i>	166.7	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium sp.</i>	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	166.7	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	166.7	333.3	500.0	0	0	0
142	Dinophyceae	<i>Ceratium fuscus</i>	0	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	166.7	166.7	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	166.7	333.3	333.3	0	166.7	0
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	0	166.7	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	166.7
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	166.7	333.3	166.7	0	0	0
152	Dinophyceae	<i>Gymnodinium spp.</i>	833.3	1500.0	1166.7	0	666.7	1500.0
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	0	0	0	166.7
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	166.7	166.7	0	166.7	0	333.3
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	166.7	0	0	166.7	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	166.7	0	166.7	0	0	0
158	Dinophyceae	<i>Karenia sp.</i>	0	0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum sp.</i>	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	0	0	0	166.7	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	833.3	1500.0	2333.3	0	0	0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	1000.0	166.7	333.3	166.7	0
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	0	0	166.7	0	0	0
166	Dinophyceae	<i>Protoperidinium conicum</i>	0	0	166.7	0	0	0
167	Dinophyceae	<i>Protoperidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoperidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoperidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoperidinium oceanicum</i>	0	166.7	0	0	0	0
171	Dinophyceae	<i>Protoperidinium pellucidum</i>	0	166.7	500.0	0	0	0
172	Dinophyceae	<i>Protoperidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoperidinium sp.</i>	0	333.3	0	0	166.7	166.7
174	Dinophyceae	<i>Pyrophacus horoiogenicum</i>	0	0	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	333.3	0	0	0	0
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	666.7	666.7	333.3	166.7	0	0
177	Cyanobacteria	<i>Oscillatoria sp.</i>	1166.7	500.0	166.7	0	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	0	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella sp.</i>	0	0	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas sp.</i>	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas sp.</i>	166.7	166.7	333.3	0	0	0
184	Cryptophyta	<i>Plagioselmis prolonga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella sp.</i>	166.7	500.0	0	1166.7	166.7	166.7
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	0	0
187	Ochrophyta	<i>Cocconeis sp.</i>	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	166.7	166.7	500.0	166.7	500.0	666.7
189	Ochrophyta	<i>Heterosigma akashiwo</i>	166.7	0	0	166.7	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	500.0	166.7	166.7	0	0	0



Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			18/12/2019					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	0	0	0	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	0	0	0	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	0	0	500.0	166.7	0
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrium hyalinum</i>	0	0	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrium varians</i>	0	0	0	0	0	166.7
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	666.7	1166.7	833.3	166.7	0	166.7
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	666.7	666.7	333.3	333.3	500.0	500.0
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	0	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	0	0	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	0	0	0	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	0	0	0	0	0	0
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	0	0	0
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	0	0	0	0
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	0	0	0	0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	166.7	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	0	0	0	0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	166.7	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	0	0	0	0	0	0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	0	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	0	0	0
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	166.7	0	0	0	0
41	Bacillariophyta	<i>Climacodium frauenfeldianum</i>	0	166.7	333.3	166.7	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	166.7	333.3	333.3	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	166.7	0	333.3	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	0	0	0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	166.7	0	0	0	0	166.7
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	166.7	0	166.7	166.7	500.0	333.3
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	1500.0	0	333.3	0	500.0
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	666.7	1833.3	666.7	1500.0	1000.0	1000.0
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	166.7	666.7	500.0	500.0	500.0	500.0
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	0	0	333.3	0	166.7	333.3
59	Bacillariophyta	<i>Diploneis bombus</i>	0	333.3	166.7	0	0	0
60	Bacillariophyta	<i>Ditylum brightwelli</i>	1000.0	1333.3	1166.7	666.7	833.3	1500.0
61	Bacillariophyta	<i>Ditylum sol</i>	166.7	0	0	0	0	333.3
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	333.3	166.7	333.3	166.7	0	166.7
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			18/12/2019					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	166.7	0	0	0	166.7	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	166.7	0	0	0	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	166.7	0	166.7	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	0	333.3	166.7	500.0	0	500.0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	333.3	666.7	166.7	500.0	333.3	500.0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	0	166.7	166.7	166.7	0	0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	166.7	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	0	0	0
78	Bacillariophyta	<i>Lauderia annulata</i>	166.7	0	1000.0	0	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	500.0	0	0	333.3	500.0	0
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	0	0	0	0	0	166.7
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	0	166.7	0	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	333.3	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	500.0	166.7	333.3	166.7	166.7	500.0
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	0	1000.0	500.0	166.7	166.7	0
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	166.7	0	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	166.7	333.3	666.7	833.3	0	166.7
94	Bacillariophyta	<i>Nitzschia spp.</i>	3166.7	3833.3	3500.0	3666.7	1333.3	5500.0
95	Bacillariophyta	<i>Paralia sulcata</i>	500.0	1000.0	0	0	166.7	500.0
96	Bacillariophyta	<i>Pinnularia sp.</i>	1833.3	2000.0	1000.0	666.7	1000.0	1500.0
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	333.3	0	333.3	0	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	1000.0	333.3	666.7	833.3	500.0	0
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	1166.7	1666.7	666.7	1333.3	666.7	833.3
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	0	333.3	0	0	333.3
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	166.7	333.3	500.0	166.7	0	0
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	166.7	0	666.7	0	500.0	0
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	166.7	0	0	0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	0	0	0	0	0	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	0	333.3	166.7	666.7	333.3	500.0
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	0	0	0	0	0	0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	166.7	0	333.3	0	0	0
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stouterfothii</i>	0	0	0	0	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	166.7	0	333.3	0	0	333.3
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	166.7	166.7	166.7	166.7	166.7	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	166.7	0	0	0	0	333.3
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	333.3	333.3	333.3	333.3	333.3	833.3
119	Bacillariophyta	<i>Skeletonema costatum</i>	166.7	500.0	333.3	333.3	666.7	833.3
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	0	0	0	166.7	0	333.3
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	333.3	833.3	1000.0	666.7	166.7	333.3
124	Bacillariophyta	<i>Synedra spp.</i>	1666.7	1000.0	2333.3	2000.0	833.3	1500.0
125	Bacillariophyta	<i>Synedra tabulata</i>	0	0	0	0	0	0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	6833.3	8166.7	6833.3	6333.3	3500.0	4500.0
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	0	0	0	0	0
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	0	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

		Dry Season						
		Monitoring Date	18/12/2019					
		Monitoring Location	R1					
		Monitoring Depth	Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	166.7	166.7	0	166.7	0	166.7
132	Bacillariophyta	<i>Thalassiosira rotula</i>	5833.3	4500.0	7333.3	2833.3	3500.0	4666.7
133	Bacillariophyta	<i>Thalassiosira</i> sp.	0	0	0	0	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	0	0	166.7	0	166.7	166.7
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	166.7	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	333.3	0	500.0	0	0	0
139	Dinophyceae	<i>Alexandrium</i> sp.	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	0	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	333.3	0	333.3	0	0	0
142	Dinophyceae	<i>Ceratium fuscus</i>	0	166.7	166.7	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	166.7	0	0	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	0	0	0	0	0
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	0	0	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	166.7	166.7	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium</i> spp.	1000.0	500.0	1666.7	0	666.7	666.7
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	166.7	0	0	333.3
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	0	0	0	333.3	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	0	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	0	166.7	0	0	0
158	Dinophyceae	<i>Karenia</i> sp.	0	0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum</i> sp.	0	0	0	0	0	333.3
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	0	0	0	0	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	500.0	500.0	166.7	0	666.7	0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	0	0	0	166.7	0
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	0	0	0	0	0	0
166	Dinophyceae	<i>Protoberidinium conicum</i>	166.7	166.7	166.7	0	0	0
167	Dinophyceae	<i>Protoberidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoberidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoberidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoberidinium oceanicum</i>	0	166.7	0	0	0	0
171	Dinophyceae	<i>Protoberidinium pellucidum</i>	333.3	0	0	0	500.0	500.0
172	Dinophyceae	<i>Protoberidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoberidinium</i> sp.	0	0	0	0	0	166.7
174	Dinophyceae	<i>Pyrophacus horoiogicum</i>	0	0	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	333.3	166.7	0	0	0
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	166.7	0	0	0	0	0
177	Cyanobacteria	<i>Oscillatoria</i> sp.	0	166.7	0	0	0	166.7
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	0	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella</i> sp.	0	0	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas</i> sp.	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas</i> sp.	166.7	0	0	0	0	333.3
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella</i> sp.	166.7	166.7	0	0	0	333.3
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	0	0
187	Ochrophyta	<i>Cocconeis</i> sp.	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	166.7	333.3	333.3	0	333.3	666.7
189	Ochrophyta	<i>Heterosigma akashiwo</i>	0	0	0	0	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			12/02/2020					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	0	0	0	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	0	0	0	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	0	0	0	0	0
6	Bacillariophyta	<i>Asterionellopsis karitana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrium hyalinum</i>	0	0	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrium varians</i>	0	0	0	0	0	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	0	0	0	0
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	0	166.7	0	0	0	0
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	0	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	0	0	0	0	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	166.7	0	0	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	0	0	0	0	0	0
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	0	0	0
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	0	0	0	0
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	0	0	0	0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	166.7	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	0	0	0	0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	0	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	0	0	0	0	0	0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	0	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	0	0	0
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	0	0	0	0	500.0
41	Bacillariophyta	<i>Climacodium frauenfeldianum</i>	0	0	0	0	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	166.7	0	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	0	0	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	0	0	0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	166.7	0	0	0	0	0
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	166.7	0	166.7	333.3	166.7	0
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	166.7	333.3	666.7	333.3	500.0	333.3
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	1500.0	500.0	2000.0	333.3	1333.3	1833.3
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	500.0	1166.7	3166.7	166.7	333.3	666.7
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	0	333.3	166.7	0	0	0
59	Bacillariophyta	<i>Diploneis bombus</i>	166.7	166.7	0	166.7	0	0
60	Bacillariophyta	<i>Ditylum brightwelli</i>	0	0	0	166.7	166.7	0
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	0	0	0	333.3	166.7
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			12/02/2020					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	0	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	166.7	0	0	0	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	0	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	0	0	333.3	166.7	0	0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	0	0	0	0	0	1166.7
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	0	0	0	0	166.7	0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	0	0	0
78	Bacillariophyta	<i>Lauderia annulata</i>	0	0	0	0	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	166.7	0	666.7	0	0	1000.0
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	500.0	166.7	333.3	166.7	333.3	0
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	0	333.3	166.7	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	0	833.3	1500.0	1166.7	666.7	166.7
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	0	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	333.3	833.3	333.3	333.3	0	833.3
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	0	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	166.7	0	0	0	166.7	666.7
94	Bacillariophyta	<i>Nitzschia spp.</i>	4833.3	10000.0	17666.7	10500.0	1666.7	17666.7
95	Bacillariophyta	<i>Paralia sulcata</i>	166.7	333.3	166.7	166.7	0	166.7
96	Bacillariophyta	<i>Pinnularia sp.</i>	500.0	500.0	500.0	666.7	500.0	333.3
97	Bacillariophyta	<i>Planktoniella blanda</i>	166.7	166.7	166.7	0	166.7	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	6000.0	11833.3	10000.0	12833.3	18666.7	4333.3
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	833.3	1666.7	1500.0	666.7	333.3	1500.0
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	0	333.3	0	166.7	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	166.7	333.3	833.3	166.7	666.7	833.3
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	0	333.3	1000.0	666.7	500.0	666.7
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	0	0	166.7	0	500.0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	0	0	0	0	833.3	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	166.7	0	0	0	166.7	0
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	0	0	0	0	0	0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	166.7	833.3	166.7	166.7	833.3	3000.0
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	0	0	0	0	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	0	166.7	0	0	0	0
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	0	0	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	0	0	0	0	0	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	2833.3	3666.7	13500.0	15333.3	35166.7	10166.7
119	Bacillariophyta	<i>Skeletonema costatum</i>	666.7	166.7	166.7	333.3	333.3	0
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	2333.3	10000.0	24000.0	21666.7	28666.7	36500.0
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	1000.0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	333.3	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	500.0	0	333.3	0	166.7	333.3
124	Bacillariophyta	<i>Synedra spp.</i>	1000.0	1666.7	1333.3	166.7	833.3	500.0
125	Bacillariophyta	<i>Synedra tabulata</i>	0	166.7	333.3	0	333.3	0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	5666.7	13833.3	6833.3	18000.0	0	5833.3
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	0	0	0	0	0
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	166.7	0	0	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			12/02/2020					
Monitoring Location			S1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	166.7	333.3	166.7	166.7	333.3	0
132	Bacillariophyta	<i>Thalassiosira rotula</i>	9666.7	23166.7	25333.3	26000.0	69166.7	52000.0
133	Bacillariophyta	<i>Thalassiosira sp.</i>	0	0	0	0	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	0	333.3	166.7	0	0	333.3
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	0	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	166.7	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium sp.</i>	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	0	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	0	166.7	0	0	0	0
142	Dinophyceae	<i>Ceratium fuscus</i>	166.7	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	0	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	0	0	0	0	0
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	333.3	0	0	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium spp.</i>	166.7	333.3	166.7	166.7	166.7	333.3
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	333.3	0	0	0	0
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	166.7	0	0	0	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	0	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	0	0	0	0	0
158	Dinophyceae	<i>Karenia sp.</i>	0	0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum sp.</i>	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	166.7	0	166.7	0	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	0	0	0	0	0	0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	333.3	166.7	0	0	0
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	0	0	0	0	0	0
166	Dinophyceae	<i>Protoperidinium conicum</i>	0	0	0	0	0	0
167	Dinophyceae	<i>Protoperidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoperidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoperidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoperidinium oceanicum</i>	0	0	0	0	0	0
171	Dinophyceae	<i>Protoperidinium pellucidum</i>	0	166.7	0	0	166.7	0
172	Dinophyceae	<i>Protoperidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoperidinium sp.</i>	166.7	0	0	166.7	0	333.3
174	Dinophyceae	<i>Pyrophacus horoiogenicum</i>	0	0	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	166.7	0	0	0	0
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	0	0	0	0	0	0
177	Cyanobacteria	<i>Oscillatoria sp.</i>	0	0	0	0	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	0	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella sp.</i>	0	166.7	0	0	0	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas sp.</i>	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas sp.</i>	0	0	0	0	0	0
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	333.3	0
185	Euglenophyta	<i>Eutreptiella sp.</i>	166.7	0	0	0	166.7	0
186	Ochrophyta	<i>Chattonella marina</i>	0	0	0	0	0	0
187	Ochrophyta	<i>Cocconeis sp.</i>	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyochoa fibula</i>	166.7	166.7	333.3	166.7	333.3	166.7
189	Ochrophyta	<i>Heterosigma akashiwo</i>	0	500.0	333.3	166.7	166.7	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			12/02/2020					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	0	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	0	0	333.3	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	166.7	166.7	0	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	0	0	0	0	0
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	0	0	1000.0	0	1166.7
9	Bacillariophyta	<i>Bacteriastrium hyalinum</i>	0	0	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrium varians</i>	0	0	0	0	0	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	166.7	0	0	0
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	0	0	0	0	0	0
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	0	0	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	166.7	0	0	0	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	0	0	0	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	0	0	0	0	0	0
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	0	0	0
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	0	166.7	0	166.7
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	0	0	166.7	0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	0	0	0	0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	0	0	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	0	0	0	0	0	0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	0	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	0	0	0
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	0	0	0	0	166.7
41	Bacillariophyta	<i>Climacodinium frauenfeldianum</i>	0	0	0	0	166.7	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	166.7	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	166.7	166.7	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	0	0	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	0	0	0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	166.7	166.7	0	166.7	166.7	166.7
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	333.3	166.7	166.7	500.0	166.7	500.0
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	333.3	1166.7	666.7	833.3	333.3	333.3
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	2166.7	1333.3	833.3	833.3	2000.0	2333.3
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	500.0	666.7	166.7	333.3	1166.7	1166.7
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	0	0	0	0	0	0
59	Bacillariophyta	<i>Diploneis bombus</i>	0	166.7	166.7	0	166.7	333.3
60	Bacillariophyta	<i>Ditylum brightwelli</i>	0	0	166.7	0	333.3	333.3
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	0	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	0	333.3	166.7	333.3	166.7	0
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	0
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	0	0	0	0	166.7

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			12/02/2020					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	0	0	0	0	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	166.7	0	0	0	0
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	0	0	0	0
70	Bacillariophyta	<i>Guinardia striata</i>	166.7	0	0	333.3	166.7	0
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	0	0	333.3	0	0	0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	166.7
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	0	0	0	0	333.3	166.7
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	0	0	0
78	Bacillariophyta	<i>Lauderia annulata</i>	0	166.7	0	166.7	0	0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	0	0	0	0	0	0
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	500.0	166.7	666.7	333.3	500.0	0
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	0	0	0	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	166.7
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	1333.3	833.3	500.0	833.3	0	333.3
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	0	0	0	166.7	0	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	166.7	166.7	166.7	500.0	333.3	0
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	0	0	500.0	500.0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	166.7	0	0	333.3	166.7	166.7
94	Bacillariophyta	<i>Nitzschia spp.</i>	2666.7	1166.7	2333.3	6166.7	4833.3	4500.0
95	Bacillariophyta	<i>Paralia sulcata</i>	166.7	500.0	500.0	0	0	166.7
96	Bacillariophyta	<i>Pinnularia sp.</i>	833.3	833.3	1500.0	1500.0	500.0	1000.0
97	Bacillariophyta	<i>Planktoniella blanda</i>	0	500.0	0	166.7	0	0
98	Bacillariophyta	<i>Pleurosigma acutum</i>	4666.7	2833.3	2166.7	7000.0	2000.0	2333.3
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	666.7	1166.7	833.3	1333.3	1166.7	666.7
100	Bacillariophyta	<i>Pleurosigma formosum</i>	0	0	0	166.7	166.7	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	0	1166.7	0	166.7	666.7	0
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	333.3	166.7	166.7	1333.3	166.7	666.7
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	333.3	500.0	0	500.0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	166.7	166.7	0	0	0	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	0	666.7	333.3	166.7	0	166.7
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	0	0	0	0	0	0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	666.7	333.3	1333.3	0	500.0	166.7
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	0
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stolterfothii</i>	0	0	0	0	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	0	0	0	0	0	0
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	0	0	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	0	0	0	0	0	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	1000.0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	5166.7	5833.3	3833.3	11500.0	7333.3	6000.0
119	Bacillariophyta	<i>Skeletonema costatum</i>	0	0	0	0	166.7	333.3
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	5000.0	2666.7	1333.3	9333.3	10333.3	5500.0
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	0	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	333.3	333.3	166.7	0	166.7	333.3
124	Bacillariophyta	<i>Synedra spp.</i>	1666.7	2666.7	1000.0	1500.0	3333.3	3000.0
125	Bacillariophyta	<i>Synedra tabulata</i>	166.7	0	333.3	500.0	0	0
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	13000.0	12500.0	10166.7	7333.3	7000.0	10666.7
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	0	0	0	0	0
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	0	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0



Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			12/02/2020					
Monitoring Location			S2					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	166.7	166.7	166.7	500.0	0	333.3
132	Bacillariophyta	<i>Thalassiosira rotula</i>	13666.7	9666.7	8166.7	19666.7	14500.0	14500.0
133	Bacillariophyta	<i>Thalassiosira sp.</i>	0	0	0	0	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	0	0	166.7	333.3	333.3	166.7
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	0	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	0	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium sp.</i>	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	166.7	0	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	0	0	0	0	0	0
142	Dinophyceae	<i>Ceratium fusus</i>	0	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	0	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	0	0	0	0	0
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	166.7	0	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium spp.</i>	333.3	333.3	0	166.7	0	166.7
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	0	0	166.7	0
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	0	166.7	0	0	0	0
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	166.7	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	0	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	166.7	0	0	0	0	0
158	Dinophyceae	<i>Karenia sp.</i>	0	0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum sp.</i>	0	0	0	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	0	0	0	0	0	166.7
163	Dinophyceae	<i>Prorocentrum micans</i>	0	0	0	0	0	0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	0	0	0	0	0
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	0	0	0	0	0	166.7
166	Dinophyceae	<i>Protoperidinium conicum</i>	0	0	0	0	0	0
167	Dinophyceae	<i>Protoperidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoperidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoperidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoperidinium oceanicum</i>	0	0	0	0	0	0
171	Dinophyceae	<i>Protoperidinium pellucidum</i>	0	166.7	166.7	0	0	0
172	Dinophyceae	<i>Protoperidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoperidinium sp.</i>	666.7	166.7	166.7	0	166.7	0
174	Dinophyceae	<i>Pyrophacus horoiogicum</i>	0	0	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	0	0	0	0	166.7
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	0	0	0	0	0	0
177	Cyanobacteria	<i>Oscillatoria sp.</i>	0	0	0	0	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	333.3	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella sp.</i>	0	0	0	0	166.7	0
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas sp.</i>	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas sp.</i>	0	0	0	0	0	0
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella sp.</i>	0	166.7	0	333.3	0	166.7
186	Ochrophyta	<i>Chattonella marina</i>	0	0	166.7	0	0	0
187	Ochrophyta	<i>Cocconeis sp.</i>	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	166.7	833.3	333.3	166.7	166.7	0
189	Ochrophyta	<i>Heterosigma akashiwo</i>	0	500.0	0	0	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	0	500.0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			12/02/2020					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
1	Bacillariophyta	<i>Actinocyclus octonarius</i>	0	0	166.7	0	0	0
2	Bacillariophyta	<i>Actinoptychus senarius</i>	0	166.7	166.7	333.3	0	0
3	Bacillariophyta	<i>Amphora commutata</i>	0	0	0	0	0	0
4	Bacillariophyta	<i>Amphora spp.</i>	0	0	166.7	0	0	0
5	Bacillariophyta	<i>Asterionellopsis glacialis</i>	0	0	0	0	0	0
6	Bacillariophyta	<i>Asterionellopsis kariana</i>	0	0	0	0	0	0
7	Bacillariophyta	<i>Asterionellopsis sp.</i>	0	0	0	0	0	0
8	Bacillariophyta	<i>Bacillaria paradoxa</i>	0	333.3	0	0	0	0
9	Bacillariophyta	<i>Bacteriastrium hyalinum</i>	0	0	0	0	0	0
10	Bacillariophyta	<i>Bacteriastrium varians</i>	0	0	166.7	0	0	0
11	Bacillariophyta	<i>Bellerochea orologicalis</i>	0	0	0	0	0	0
12	Bacillariophyta	<i>Biddulphia mobilensis</i>	0	0	0	0	0	0
13	Bacillariophyta	<i>Biddulphia regia</i>	0	0	0	0	0	0
14	Bacillariophyta	<i>Biddulphia reticulata</i>	0	0	0	166.7	0	0
15	Bacillariophyta	<i>Biddulphia sinensis</i>	166.7	0	0	166.7	0	0
16	Bacillariophyta	<i>Cerataulina bergonii</i>	0	0	0	0	0	0
17	Bacillariophyta	<i>Cerataulina pelagica (Cleve)</i>	0	0	166.7	0	0	0
18	Bacillariophyta	<i>Cerataulina bicornis</i>	0	0	0	0	0	0
19	Bacillariophyta	<i>Chaetoceros affinis</i>	0	0	0	0	0	0
20	Bacillariophyta	<i>Chaetoceros atlanticus</i>	0	0	0	0	0	0
21	Bacillariophyta	<i>Chaetoceros borealis</i>	0	0	0	0	0	0
22	Bacillariophyta	<i>Chaetoceros castracanei</i>	0	0	0	0	0	0
23	Bacillariophyta	<i>Chaetoceros compressus</i>	0	0	0	0	0	166.7
24	Bacillariophyta	<i>Chaetoceros curvisetus</i>	0	0	0	0	0	0
25	Bacillariophyta	<i>Chaetoceros debilis</i>	0	0	0	0	0	0
26	Bacillariophyta	<i>Chaetoceros decipiens f. decipiens</i>	0	0	0	0	0	0
27	Bacillariophyta	<i>Chaetoceros decipiens f. singularis</i>	0	0	0	0	0	0
28	Bacillariophyta	<i>Chaetoceros densus</i>	0	0	0	0	0	0
29	Bacillariophyta	<i>Chaetoceros didymus</i>	0	0	0	0	0	0
30	Bacillariophyta	<i>Chaetoceros distans</i>	0	0	0	0	0	0
31	Bacillariophyta	<i>Chaetoceros diversus</i>	0	166.7	0	0	0	0
32	Bacillariophyta	<i>Chaetoceros lorenzianus</i>	0	0	0	0	0	0
33	Bacillariophyta	<i>Chaetoceros muelleri</i>	0	0	0	0	0	0
34	Bacillariophyta	<i>Chaetoceros pelagicus</i>	0	0	0	0	0	0
35	Bacillariophyta	<i>Chaetoceros pendulum</i>	0	0	0	0	0	0
36	Bacillariophyta	<i>Chaetoceros rostratus</i>	0	0	0	0	0	0
37	Bacillariophyta	<i>Chaetoceros subsecundus</i>	0	0	0	0	0	0
38	Bacillariophyta	<i>Chaetoceros teres</i>	0	0	0	0	0	0
39	Bacillariophyta	<i>Chaetoceros tortissimus</i>	0	0	0	0	0	0
40	Bacillariophyta	<i>Chaetoceros spp.</i>	0	333.3	0	0	0	333.3
41	Bacillariophyta	<i>Climacodium frauenfeldianum</i>	0	0	0	0	0	0
42	Bacillariophyta	<i>Coscinodiscus asteromphalus</i>	0	0	0	0	0	0
43	Bacillariophyta	<i>Coscinodiscus centralis</i>	0	0	166.7	0	0	0
44	Bacillariophyta	<i>Corethron criphilum</i>	0	0	0	0	0	0
45	Bacillariophyta	<i>Coscinodiscus granii</i>	0	166.7	0	0	0	0
46	Bacillariophyta	<i>Coscinodiscus oculus-iridis</i>	0	0	0	0	0	0
47	Bacillariophyta	<i>Coscinodiscus jonesianus</i>	0	0	0	0	0	0
48	Bacillariophyta	<i>Coscinodiscus lineatus</i>	0	0	0	0	0	0
49	Bacillariophyta	<i>Coscinodiscus radiatus</i>	166.7	0	166.7	500.0	333.3	166.7
50	Bacillariophyta	<i>Coscinodiscus waillesii</i>	0	0	0	0	0	0
51	Bacillariophyta	<i>Coscinodiscus sp.</i>	333.3	333.3	500.0	0	166.7	500.0
52	Bacillariophyta	<i>Cyclotella meneghiniana</i>	500.0	500.0	500.0	333.3	166.7	500.0
53	Bacillariophyta	<i>Coscinodiscus subtilis var. minorus</i>	0	0	0	0	0	0
54	Bacillariophyta	<i>Cyclotella meneghiniana</i>	0	0	0	0	0	0
55	Bacillariophyta	<i>Cyclotella striata</i>	0	0	0	0	0	0
56	Bacillariophyta	<i>Cyclotella spp.</i>	1666.7	1500.0	1500.0	1666.7	1166.7	4000.0
57	Bacillariophyta	<i>Cylindrotheca closterium</i>	166.7	833.3	333.3	333.3	166.7	333.3
58	Bacillariophyta	<i>Dactyliosolen fragilissimus</i>	0	166.7	166.7	0	0	0
59	Bacillariophyta	<i>Diploneis bombus</i>	166.7	0	166.7	0	333.3	0
60	Bacillariophyta	<i>Ditylum brightwelli</i>	0	0	0	0	166.7	166.7
61	Bacillariophyta	<i>Ditylum sol</i>	0	0	0	0	0	0
62	Bacillariophyta	<i>Donkinia sp.</i>	0	0	166.7	0	0	0
63	Bacillariophyta	<i>Entomoneis alata</i>	333.3	0	0	0	500.0	333.3
64	Bacillariophyta	<i>Eucampia cornuta</i>	0	0	0	0	0	333.3
65	Bacillariophyta	<i>Eucampia zodiacus</i>	0	166.7	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			12/02/2020					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
66	Bacillariophyta	<i>Fragilariopsis rhombica</i>	166.7	0	0	0	0	0
67	Bacillariophyta	<i>Grammatophora marina</i>	0	0	0	0	0	0
68	Bacillariophyta	<i>Guinardia delicatula</i>	0	166.7	0	333.3	166.7	166.7
69	Bacillariophyta	<i>Guinardia flaccida</i>	0	0	0	0	166.7	166.7
70	Bacillariophyta	<i>Guinardia striata</i>	166.7	333.3	333.3	333.3	166.7	666.7
71	Bacillariophyta	<i>Gyrosigma tenuissimum</i>	0	0	0	0	0	0
72	Bacillariophyta	<i>Gyrosigma spp.</i>	333.3	166.7	0	500.0	166.7	0
73	Bacillariophyta	<i>Hemiaulus membranacus</i>	0	0	0	0	0	0
74	Bacillariophyta	<i>Hemiaulus hauckii</i>	166.7	0	166.7	0	0	0
75	Bacillariophyta	<i>Hemidiscus cuneiformis var. cuneiformis</i>	0	0	0	0	0	0
76	Bacillariophyta	<i>Hyalodiscus subtilis</i>	0	0	0	0	0	0
77	Bacillariophyta	<i>Lauderia borealis</i>	0	0	0	0	0	0
78	Bacillariophyta	<i>Lauderia annulata</i>	0	0	166.7	0	0	500.0
79	Bacillariophyta	<i>Leptocylindrus danicus</i>	0	0	0	0	0	0
80	Bacillariophyta	<i>Leptocylindrus mediterraneus</i>	500.0	0	0	333.3	166.7	333.3
81	Bacillariophyta	<i>Leptocylindrus minimus</i>	0	166.7	0	0	0	0
82	Bacillariophyta	<i>Licmophora abbreviata</i>	0	0	0	0	0	0
83	Bacillariophyta	<i>Licmophora tenuis</i>	0	0	0	0	0	0
84	Bacillariophyta	<i>Lithodesmium undulatum</i>	0	0	0	0	0	0
85	Bacillariophyta	<i>Melosira granulata</i>	0	0	0	0	0	0
86	Bacillariophyta	<i>Melosira moniliformis</i>	0	0	0	0	0	0
87	Bacillariophyta	<i>Melosira sulcata</i>	0	0	0	0	0	0
88	Bacillariophyta	<i>Navicula perminuta</i>	0	0	0	0	0	0
89	Bacillariophyta	<i>Navicula spp.</i>	1333.3	2000.0	166.7	1000.0	500.0	333.3
90	Bacillariophyta	<i>Nitzschia bicapitata</i>	166.7	0	333.3	166.7	166.7	0
91	Bacillariophyta	<i>Nitzschia longissima</i>	0	1000.0	500.0	500.0	166.7	833.3
92	Bacillariophyta	<i>Nitzschia lorenziana</i>	0	0	0	0	0	0
93	Bacillariophyta	<i>Nitzschia panduriformis</i>	166.7	166.7	166.7	0	166.7	0
94	Bacillariophyta	<i>Nitzschia spp.</i>	2166.7	4333.3	3500.0	4833.3	1833.3	10166.7
95	Bacillariophyta	<i>Paralia sulcata</i>	166.7	0	166.7	0	166.7	666.7
96	Bacillariophyta	<i>Pinnularia sp.</i>	833.3	666.7	333.3	1500.0	1500.0	1833.3
97	Bacillariophyta	<i>Planktoniella blanda</i>	166.7	166.7	0	166.7	500.0	1166.7
98	Bacillariophyta	<i>Pleurosigma acutum</i>	2500.0	1166.7	4333.3	18666.7	6333.3	16333.3
99	Bacillariophyta	<i>Pleurosigma angulatum</i>	1333.3	500.0	500.0	1166.7	1500.0	1000.0
100	Bacillariophyta	<i>Pleurosigma formosum</i>	333.3	0	0	166.7	0	0
101	Bacillariophyta	<i>Pleurosigma Normanii</i>	333.3	333.3	166.7	666.7	166.7	333.3
102	Bacillariophyta	<i>Pleurosigma pelagicum</i>	333.3	333.3	333.3	1500.0	1500.0	1666.7
103	Bacillariophyta	<i>Pleurosigma elongatum</i>	166.7	0	0	0	0	0
104	Bacillariophyta	<i>Pleurosigma sp.</i>	0	0	0	0	0	0
105	Bacillariophyta	<i>Pseudo-nitzschia delicatissima</i>	0	0	0	0	0	0
106	Bacillariophyta	<i>Pseudonitzschia pungens</i>	0	0	166.7	333.3	0	2000.0
107	Bacillariophyta	<i>Pseudo-nitzschia sp.</i>	0	0	0	0	0	0
108	Bacillariophyta	<i>Rhizosolenia alata f. gracillima</i>	166.7	166.7	166.7	666.7	666.7	1500.0
109	Bacillariophyta	<i>Rhizosolenia calcar-avis</i>	0	0	0	0	0	166.7
110	Bacillariophyta	<i>Rhizosolenia castracanei</i>	0	0	0	0	0	0
111	Bacillariophyta	<i>Rhizosolenia fragilima</i>	0	0	0	0	0	0
112	Bacillariophyta	<i>Rhizosolenia stouterfothii</i>	0	0	0	0	0	0
113	Bacillariophyta	<i>Rhizosolenia hebetata f. semispina</i>	0	0	0	0	0	0
114	Bacillariophyta	<i>Rhizosolenia setigera</i>	0	0	0	0	0	0
115	Bacillariophyta	<i>Rhizosolenia styliformis</i>	0	0	166.7	0	0	0
116	Bacillariophyta	<i>Rhizosolenia styliformis var. latissima</i>	0	0	0	0	500.0	0
117	Bacillariophyta	<i>Schroederella delicatula f. delicatula</i>	0	0	0	0	0	0
118	Bacillariophyta	<i>Schroederella delicatula f. schröderi</i>	3000.0	3333.3	3333.3	12000.0	11833.3	11666.7
119	Bacillariophyta	<i>Skeletonema costatum</i>	0	1166.7	333.3	166.7	166.7	1333.3
120	Bacillariophyta	<i>Stephanopyxis palmeriana</i>	5166.7	10500.0	6833.3	13333.3	11000.0	14333.3
121	Bacillariophyta	<i>Stephanopyxis turris var. turris</i>	333.3	0	0	0	0	0
122	Bacillariophyta	<i>Streptothecca tamesis</i>	0	0	0	0	0	0
123	Bacillariophyta	<i>Surirella sp.</i>	0	166.7	500.0	666.7	166.7	333.3
124	Bacillariophyta	<i>Synedra spp.</i>	1666.7	1333.3	1833.3	1000.0	1666.7	166.7
125	Bacillariophyta	<i>Synedra tabulata</i>	166.7	333.3	333.3	166.7	333.3	1166.7
126	Bacillariophyta	<i>Synedra ulna</i>	0	0	0	0	0	0
127	Bacillariophyta	<i>Thalassionema nitzschioides</i>	12500.0	4333.3	11500.0	15166.7	14500.0	12000.0
128	Bacillariophyta	<i>Thalassionema nitzschioides var parva</i>	0	0	0	0	0	0
129	Bacillariophyta	<i>Thalassiosira nordenskiöldii</i>	0	0	0	166.7	0	0
130	Bacillariophyta	<i>Thalassiothrix longissima</i>	0	0	0	0	0	0

Annex B Density (Cells / Litre) of Phytoplankton Recorded during the Baseline Surveys

			Dry Season					
Monitoring Date			12/02/2020					
Monitoring Location			R1					
Monitoring Depth			Shallow			Deep		
#	Phylum	Species name	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3
131	Bacillariophyta	<i>Thalassiosira pacifica</i>	166.7	333.3	0	1000.0	333.3	0
132	Bacillariophyta	<i>Thalassiosira rotula</i>	9500.0	11500.0	13333.3	21000.0	19833.3	42166.7
133	Bacillariophyta	<i>Thalassiosira sp.</i>	0	0	0	0	0	0
134	Bacillariophyta	<i>Thalassiothrix frauenfeldii</i>	0	0	0	0	166.7	333.3
135	Bacillariophyta	<i>Triceratium favus</i>	0	0	0	0	0	0
136	Bacillariophyta	<i>Triceratium formosum f. quadrangularis</i>	0	0	0	0	0	0
137	Dinophyceae	<i>Alexandrium minutum</i>	0	0	0	0	0	0
138	Dinophyceae	<i>Alexandrium catenella</i>	0	0	0	0	0	0
139	Dinophyceae	<i>Alexandrium sp.</i>	0	0	0	0	0	0
140	Dinophyceae	<i>Akashiwo sanguinea</i>	0	0	0	0	0	0
141	Dinophyceae	<i>Ceratium furca</i>	0	0	0	0	0	0
142	Dinophyceae	<i>Ceratium fusus</i>	0	0	0	0	0	0
143	Dinophyceae	<i>Ceratium trichoceros</i>	0	0	0	0	0	0
144	Dinophyceae	<i>Ceratium tripos</i>	0	0	0	0	0	0
145	Dinophyceae	<i>Dinophysis acuminata</i>	0	0	0	0	0	0
146	Dinophyceae	<i>Dinophysis caudata</i>	0	0	0	0	0	333.3
147	Dinophyceae	<i>Dinophysis miles</i>	0	0	0	0	0	0
148	Dinophyceae	<i>Gonyaulax verior</i>	0	166.7	0	0	0	0
149	Dinophyceae	<i>Gonyaulax polygramma</i>	0	0	0	0	0	0
150	Dinophyceae	<i>Gonyaulax spinifera</i>	0	0	0	0	0	0
151	Dinophyceae	<i>Gymnodinium catenatum</i>	0	0	0	0	0	0
152	Dinophyceae	<i>Gymnodinium spp.</i>	333.3	500.0	333.3	166.7	166.7	500.0
153	Dinophyceae	<i>Gyrodinium spirale</i>	0	0	0	0	0	0
154	Dinophyceae	<i>Heterocapsa circularisquama</i>	166.7	166.7	0	0	0	333.3
155	Dinophyceae	<i>Lingulodinium polyedrum</i>	0	0	0	0	0	0
156	Dinophyceae	<i>Noctiluca scintillans</i>	0	0	0	0	333.3	0
157	Dinophyceae	<i>Karenia mikimotoi</i>	0	0	166.7	0	0	0
158	Dinophyceae	<i>Karenia sp.</i>	0	0	0	0	0	0
159	Dinophyceae	<i>Oxytoxum sp.</i>	0	0	166.7	0	0	0
160	Dinophyceae	<i>Peridinium bipes</i>	0	0	0	0	0	0
161	Dinophyceae	<i>Prorocentrum compressum</i>	0	0	0	0	0	0
162	Dinophyceae	<i>Prorocentrum donghaiense</i>	0	0	0	0	0	0
163	Dinophyceae	<i>Prorocentrum micans</i>	0	0	0	0	0	0
164	Dinophyceae	<i>Prorocentrum minimum</i>	0	0	166.7	0	0	0
165	Dinophyceae	<i>Prorocentrum sigmoides</i>	0	0	0	0	0	0
166	Dinophyceae	<i>Protoberidinium conicum</i>	0	0	0	0	0	166.7
167	Dinophyceae	<i>Protoberidinium divergens</i>	0	0	0	0	0	0
168	Dinophyceae	<i>Protoberidinium elegans</i>	0	0	0	0	0	0
169	Dinophyceae	<i>Protoberidinium latissimum</i>	0	0	0	0	0	0
170	Dinophyceae	<i>Protoberidinium oceanicum</i>	0	0	0	0	0	0
171	Dinophyceae	<i>Protoberidinium pellucidum</i>	166.7	166.7	166.7	0	0	0
172	Dinophyceae	<i>Protoberidinium pentagonum</i>	0	0	0	0	0	0
173	Dinophyceae	<i>Protoberidinium sp.</i>	166.7	0	0	0	166.7	0
174	Dinophyceae	<i>Pyrophacus horoiogicum</i>	0	0	0	0	0	0
175	Dinophyceae	<i>Pyrophacus steinii</i>	0	0	0	166.7	0	0
176	Dinophyceae	<i>Scrippsiella trochoidea</i>	166.7	166.7	0	0	0	0
177	Cyanobacteria	<i>Oscillatoria sp.</i>	166.7	0	0	0	0	0
178	Cyanobacteria	<i>Pseudanabaena limnetica</i>	0	0	0	0	0	0
179	Cyanobacteria	<i>Trichodesmium hildebrandtii</i>	0	0	0	0	0	0
180	Chlorophyta	<i>Chlorella sp.</i>	0	0	0	0	0	166.7
181	Chlorophyta	<i>Dunaliella salina</i>	0	0	0	0	0	0
182	Chlorophyta	<i>Pyramimonas sp.</i>	0	0	0	0	0	0
183	Cryptophyta	<i>Cryptomonas sp.</i>	0	0	0	0	0	0
184	Cryptophyta	<i>Plagioselmis prolunga</i>	0	0	0	0	0	0
185	Euglenophyta	<i>Eutreptiella sp.</i>	166.7	0	0	333.3	166.7	0
186	Ochrophyta	<i>Chattonella marina</i>	0	166.7	0	166.7	0	0
187	Ochrophyta	<i>Cocconeis sp.</i>	0	0	0	0	0	0
188	Ochrophyta	<i>Dictyocha fibula</i>	166.7	0	333.3	166.7	500.0	1000.0
189	Ochrophyta	<i>Heterosigma akashiwo</i>	333.3	0	0	0	0	0
190	Ochrophyta	<i>Phaeocystis globosa</i>	333.3	0	0	0	166.7	500.0