

Supplementary Data

Appendix 1. Supplementary Data

Appendix 1A: List of Diatoms and Dinoflagellates cell sizes, cell volume and Carbon per cell from the Bay of Bengal and Northern Arabian Sea. The columns from left to right (**A to L**) denote **A** - Serial number; **B** - Species; **C** - length range of the cell (μm); **D** - width range of the cell (μm); **E** and **I** - number of cells; **F** and **J** - range of cell volume from minimum-maximum (μm^3); **G** and **K** - median value (μm^3); **H** and **L**; carbon per cell (pg C cell^{-1}) measured for Bay of Bengal and Northern Arabian Sea respectively.

Appendix 1B: List of Diatoms and Dinoflagellates cell sizes, cell volume and Carbon per cell from the Dona Paula Bay. The columns from left to right (**A to L**) denote, **A** - Serial number; **B** - species; **C** - length range of the cell (μm); **D** - width range of the cell (μm); **E** and **I** - number of cells measured; **F** and **J** - range of cell volume from minimum - maximum (μm^3); **G** and **K** - median value (μm^3); **H** and **L** - carbon per cell (pg C cell^{-1}) measured for live and fixed cells respectively.

Appendix 2. Supplementary Data

Appendix 2: Comparison of average cell volume ($\mu\text{m}^3 \times 10^4$) of the present study (Northern Indian Ocean) with different geographical regions. The species denoted with (*) were common to all the 4 regions. The columns (**A-E**) denote, **A** - serial number; **B** - Species; **C** - Present study (Northern Indian Ocean); **D** - Olenina et al. 2006 (Northern Atlantic), **E** - ki Tai Kim 1995 (Mediterranean); **F** - Sun et al. 2000 (Pacific); **G** - Barton et al. 2013 (Northern Atlantic).

Appendix 3. Supplementary Data

Appendix 3. Comparison of cell volume measured using Image analysis software (Q-Capture Pro7) and Ocular micrometer. Columns left to right (**A to J**) denote, **A** -Serial number; **B** - Species; **C** and **E** are the average values of cell volume; **D** and **F** are the number of cells (N) measured using Image Analysis and Ocular micrometer; **G** - represents Coefficient of Variation (CV%) of cell volume. **H** and **I** represent Cell carbon ($\text{pg carbon cell}^{-1}$) obtained from the average values of cell volume measured by Image Analysis (Q-Capture Pro 7, Olympus Inc) and Ocular micrometer respectively. The **J** column denotes coefficient of variation (CV %) of Cell carbon.

Appendix 1A: List of Diatoms and Dinoflagellates cell sizes, cell volume and Carbon per cell from the Bay of Bengal and Northern Arabian Sea. The columns from left to right (**A to L**) denote **A** - Serial number; **B** - Species; **C** - length range of the cell (μm); **D** - width range of the cell (μm); **E** and **I** - number of cells; **F** and **J** - range of cell volume from minimum-maximum (μm^3); **G** and **K** - median value (μm^3); **H** and **L**; carbon per cell (pg C cell^{-1}) measured for Bay of Bengal and Northern Arabian Sea respectively.

Appendix 1A											
A	B	C	D	E	F	G	H	I	J	K	L
	Diatoms										
1a	<i>Asterionellopsis glacialis</i> (Castracane) Round, 1990	90-100	5-10								
2a	<i>Asterolampra marylandica</i> Ehrenberg 1844	20 - 30	10-16	3	1130107 - 4523810	450269	11075	1	6715	6715	366
2b	<i>Asterolampra marylandica</i> Ehrenberg 1844	30 - 56	10-30					8	9644 - 35008	20488	993
2c	<i>Asterolampra marylandica</i> Ehrenberg 1844	56 - 50	10-30					11	19422 - 47582	32551	1316
2d	<i>Asterolampra marylandica</i> Ehrenberg 1844	50 - 60	5-21					3	44423 - 66287	53778	1757
2e	<i>Asterolampra marylandica</i> Ehrenberg 1844	60 - 50	20-65					11	601074 - 21710710	99888	3025
3a	<i>Azpeitia nodulifera</i> (A.W.F.Schmidt) G.A.Fryxell & P.A.Sims, 1986	80-99	20-56	2	180834 - 363561	260241	5097				
4a	<i>Bacteriastrum furcatum</i> Shadbolt 1854	5-10	16-20								
4b	<i>Bacteriastrum furcatum</i> Shadbolt 1854	10-15	16-20								
4c	<i>Bacteriastrum furcatum</i> Shadbolt 1854	16 - 20	11-20								
4d	<i>Bacteriastrum furcatum</i> Shadbolt 1854	20 - 25	11 - 20								
4e	<i>Bacteriastrum furcatum</i> Shadbolt 1854	25 - 30	10-16								
4f	<i>Bacteriastrum furcatum</i> Shadbolt 1854	30 - 35	10-16								
4g	<i>Bacteriastrum furcatum</i> Shadbolt 1854	35 - 50	10-16					10	1602 - 6122	2835	182
4h	<i>Bacteriastrum furcatum</i> Shadbolt 1854	50 - 60	10-16					1	8718	8718	330

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
4i	<i>Bacteriastrum furcatum</i> Shadbolt 1854	60 - 80	10-16								
4j	<i>Bacteriastrum furcatum</i> Shadbolt 1854	80 - 120	16-20					5	561025 - 50203	43054	1650
5a	<i>Bacteriastrum hyalinum</i> Lauder 1864	5-10	20-25								
5b	<i>Bacteriastrum hyalinum</i> Lauder 1864	10-20	10-25								
5c	<i>Bacteriastrum hyalinum</i> Lauder 1864	20 - 25	10-25								
5d	<i>Bacteriastrum hyalinum</i> Lauder 1864	25 - 30	10-25								
5e	<i>Bacteriastrum hyalinum</i> Lauder 1864	30 - 35	10-25								
5f	<i>Bacteriastrum hyalinum</i> Lauder 1864	35 - 50	25-30								
5g	<i>Bacteriastrum hyalinum</i> Lauder 1864	50 - 55	30-35								
6a	<i>Chaetoceros affinis</i> Lauder 1864	5-10	10-25								
6b	<i>Chaetoceros affinis</i> Lauder 1864	16 - 20	10 - 25					3	565 - 995	7110	88
6c	<i>Chaetoceros affinis</i> Lauder 1864	20 - 25	10 - 25								
6d	<i>Chaetoceros affinis</i> Lauder 1864	25 - 30	10 - 20								
6e	<i>Chaetoceros affinis</i> Lauder 1864	30 - 35	16 - 20								
7a	<i>Chaetoceros castracanei</i> Karsten 1905	16 - 20	10-20								
7b	<i>Chaetoceros castracanei</i> Karsten 1905	20 - 25	10-25								
7c	<i>Chaetoceros castracanei</i> Karsten 1905	25 - 30	20-35								
7d	<i>Chaetoceros castracanei</i> Karsten 1905	30 - 35	25-35								
8a	<i>Chaetoceros coarctatus</i> Lauder 1864	20 - 25	10-16								
8b	<i>Chaetoceros coarctatus</i> Lauder 1864	25 - 30	10-16	1	50610	5069	381	1	18456	18456	998
8c	<i>Chaetoceros coarctatus</i> Lauder 1864	56 - 50	16-30					4	561096 - 65033	6600	1808
9a	<i>Chaetoceros concavicornis</i> Mangin 1917	16 - 20	10-16								
9b	<i>Chaetoceros concavicornis</i> Mangin 1917	20 - 25	7-25								
9c	<i>Chaetoceros concavicornis</i> Mangin 1917	25 - 30	10-16								
9d	<i>Chaetoceros concavicornis</i> Mangin 1917	50 -50	10-16					3	20503 - 110472	19466	865

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
38d	<i>Guinardia cylindrus</i> (Cleve)										
	Hasle, 1996	56 - 50	10-20	3	3142 - 50610	6786	369				
38e	<i>Guinardia cylindrus</i> (Cleve)										
	Hasle, 1996	55 - 60	10-20								
38f	<i>Guinardia cylindrus</i> (Cleve)										
	Hasle, 1996	60 - 50	10-20								
38g	<i>Guinardia delicatula</i> (Cleve)										
	Hasle, 1996	99 - 120	10-20								
39a	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	56 - 50	20-30								
39b	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	50 - 60	20-45								
39c	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	60 - 50	10-50								
39d	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	50 - 80	30-45								
39e	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	80 - 99	30-45								
39f	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	99 - 120	30-45								
39g	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	120 - 164	56-45								
40a	<i>Guinardia striata</i> (Stolterfoth)										
	Hasle, 1996	20 - 30	5-10								
40b	<i>Guinardia striata</i> (Stolterfoth)										
	Hasle, 1996	30 - 56	10-20	1	610016	610016	2423				

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
50d	<i>Leptocylindrus minimus</i> Gran, 1915	35 - 56	2-10								
51a	<i>Lioloma pacificum</i> (Cupp) Hasle,1996	550-600	5-10	1	25600	25600	963				
52a	<i>Mastogloia rostrata</i> (Wallich)										
	Hustedt, 1933	20-50	5-16	1	4712	4712	275				
52b	<i>Mastogloia rostrata</i> (Wallich)										
	Hustedt, 1933	30-50	5-16	1	9698	9698	501				
52c	<i>Mastogloia rostrata</i> (Wallich)										
	Hustedt, 1933	30-60	5-16	1	13254	13254	635				
53a	<i>Meuniera membranacea</i> (Cleve)										
	P.C.Silva, 1996	30 - 56	25-45	2	31416 - 82614	55014	1843	16	11682 - 23648	14663	689
53b	<i>Meuniera membranacea</i> (Cleve)										
	P.C.Silva, 1996	56 - 50	35-45					17	18081	17660	885
53c	<i>Meuniera membranacea</i> (Cleve)										
	P.C.Silva, 1996	50 - 60	35-65					4	110082 - 67205	60242	11046
53d	<i>Meuniera membranacea</i> (Cleve)										
	P.C.Silva, 1996	60 - 50	35-56					1	43262	43262	1657
54a	<i>Navicula transitans</i> var. <i>derasa</i> (Grunow)										
	Cleve, 1883	5-10	5-50	6	241 - 438	375	35				
54b	<i>Navicula transitans</i> var. <i>derasa</i> (Grunow)										
	Cleve, 1883	10-20	5-50	10	656 - 1688	785	64				
54c	<i>Navicula transitans</i> var. <i>derasa</i> (Grunow)										
	Cleve, 1883	20-30	5-50	11	990 - 3203	2030	96				
54d	<i>Navicula transitans</i> var. <i>derasa</i> (Grunow)										
	Cleve, 1883	30-56	5-50	5	5250 - 7500	7500	560				
54e	<i>Navicula transitans</i> var. <i>derasa</i> (Grunow)										
	Cleve, 1883	56-50	5-50	1	164103	164103	757				

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
55a	<i>Neocalyptrella robusta</i> (G.Norman ex Ralfs) Hernández-Becerril & Meave del Castillo, 1997	300-560	99-200	1	1256637	1256637	25688				
55b	<i>Neocalyptrella robusta</i> (G.Norman ex Ralfs)Hernández-Becerril & Meave del Castillo, 1997	560-500	99-200								
56a	<i>Odontella aurita</i> (Lyngbye) C.Agardh, 1832	99-203	50-99								
57a	<i>Odontella sinensis</i> (Greville) Grunow, 1884	50 - 60	50-60								
57b	<i>Odontella sinensis</i> (Greville) Grunow, 1884	60 - 50	60-65	2	412334 - 10236282	4824308	75796				
57c	<i>Odontella sinensis</i> (Greville) Grunow, 1884	50 -80	60-99								
57d	<i>Odontella sinensis</i> (Greville) Grunow, 1884	80 - 99	60-110								
57e	<i>Odontella sinensis</i> (Greville) Grunow, 1884	120 - 164	35-99								
57f	<i>Odontella sinensis</i> (Greville) Grunow, 1884	164 - 203	30-60								
57g	<i>Odontella sinensis</i> (Greville) Grunow, 1884	203 - 180	60-94								
58a	<i>Planktoniella sol</i> (C.G.Wallich) Schütt, 1892	50 - 60	16-20					1	42796	427108	1642

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
59n	<i>Pleurosigma angulatum</i> (Queckett)										
	W.Smith, 1852	300 - 310	30-35								
59o	<i>Pleurosigma angulatum</i> (Queckett)										
	W.Smith, 1852	310 - 350	35-38								
60a	<i>Pleurosigma directum</i> Grunow, 1880	110 - 120	10-12								
60b	<i>Pleurosigma directum</i> Grunow, 1880	120 - 130	8-12								
60c	<i>Pleurosigma directum</i> Grunow, 1880	130 - 164	8-16								
60d	<i>Pleurosigma directum</i> Grunow, 1880	164 - 203	8-25								
60e	<i>Pleurosigma directum</i> Grunow, 1880	203 - 203	10-26								
60f	<i>Pleurosigma directum</i> Grunow, 1880	203 - 180	25-30								
61a	<i>Pleurosigma elongatum</i> W.Smith,1852	99 - 120	10-12								
62a	<i>Pleurosigma normanii</i> Ralfs,1861	99-203	10-25	2	9900	9900	464				
63a	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	99 - 203	5-20					1	2030	2030	96
63b	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	203 - 180	5-20					1	14148	14148	6610
63c	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	180 - 220	5-20					1	12034	12034	566
63d	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	220 - 256	5-20								
63e	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	256 - 280	5-20					2	56614 - 61768	871100	11006

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
63f	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	280 - 300	5-20	1	6220	6220	344	2	444710 - 61266	52873	110411
63g	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	320 - 356	5-20	8	168510 - 114864	516810	11004	1	610072	610072	2424
63h	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	356 - 360	5-20	1	182199	182199	5318	1	86630	866160	29911
63i	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	360 - 380	5-20								
63j	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	380 - 560	5-20								
63k	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	560 - 420	5-20								
63l	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	460 - 480	5-20								
63m	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	480 - 860	5-20								
63n	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1986	860 - 880	5-20								
64a	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	280 - 300	20-30	1	1073810	1073810	3176	1	538835	538836	12812
64b	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	300 - 320	10-16								
64c	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	320 - 356	10-20	2	141372 - 204204	172788	50103				
64d	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	356 - 380	10-25	4	251372 - 38010007	314240	8271	1	380684	380684	9866

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
64e	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	380 - 560	16-20								
64f	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	560 - 420	5-20					2	178260 - 240517	31787	1300
64g	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	420 - 450	5-20					1	434510.5036	434511	10788
64h	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	450 - 480	5-20					2	104310 - 178350	1363311	4203
64i	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	860 - 880	16-20								
65a	<i>Pseudoguinardia recta</i> von Stosch 1986	50 - 50	30-56					2	330410 - 3371000	33424	1344
65b	<i>Pseudoguinardia recta</i> von Stosch 1986	50 - 80	30-56	2	203798 - 160487	180642	5280	2	36847 - 46317	41681	2034
65c	<i>Pseudoguinardia recta</i> von Stosch 1986	80 - 99	30-45					2	48566 - 57141	52854	11049
65d	<i>Pseudoguinardia recta</i> von Stosch 1986	99 - 99	30-50								
65e	<i>Pseudoguinardia recta</i> von Stosch 1986	99 - 120	20-56					4	50561 - 94013	88288	2943
65f	<i>Pseudoguinardia recta</i> von Stosch 1986	120 - 164	20-56					6	49674 - 1808100	79951	2501
65g	<i>Pseudoguinardia recta</i> von Stosch 1986	164 - 200	20-50					1	120322	120322	3662
66a	<i>Pseudo-nitzschia delicatissima</i> (Cleve)										
	Heiden, 1928	60-50	2-5								
67a	<i>Pseudo-nitzschia frauludenta</i> (Cleve)										
	Hasle, 1993	60 - 50	2-5	2	3375 - 4800	2873	202				
68a	<i>Pseudo-nitzschia multiseriis</i> (Hasle)										
	Hasle, 1995	80-130	2-5	4	3375 - 4800	4313	255				

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
73a	<i>Rhizosolenia borealis</i> Sundström, 1986	99-120	10-50	2	18962750-25849924	23527387	27310003				
74a	<i>Rhizosolenia castracanei</i>										
	H.Peragallo, 1888	300-350	200-300	3	1000241600-71668456	11133019	1410347				
74b	<i>Rhizosolenia castracanei</i>										
	H.Peragallo, 1888	350-560	200-250	1	260123872	260123872	11023551				
75a	<i>Rhizosolenia crassa</i> Schimper, 1905	203-200	20-35								
76a	<i>Rhizosolenia formosa</i> H.Peragallo, 1888	99-203	10-50								
77a	<i>Rhizosolenia hebetata f. semispina</i>										
	(Hensen) Gran, 1908	203 - 180	5-25								
77b	<i>Rhizosolenia hebetata f. semispina</i>										
	(Hensen) Gran, 1908	180 - 200	5-25	1	12566	12566	607				
77c	<i>Rhizosolenia hebetata f. semispina</i>										
	(Hensen) Gran, 1908	200 - 220	5-25	2	12566 - 38877	25722	967	1	43256	431601	1656
77d	<i>Rhizosolenia hebetata f. semispina</i>										
	(Hensen) Gran, 1908	220 - 256	5-25	2	189628 - 346361	2710086	7516	1	45016	45016	1773
77e	<i>Rhizosolenia hebetata f. semispina</i>										
	(Hensen) Gran, 1908	220 - 256	5-25	5	135088 - 796556	487457	11258				
77f	<i>Rhizosolenia hebetata f. semispina</i>										
	(Hensen) Gran, 1908	256 - 260	5-25								
77g	<i>Rhizosolenia hebetata f. semispina</i>										
	(Hensen) Gran, 1908	260 - 280	5-25								
77h	<i>Rhizosolenia hebetata f. semispina</i>										
	(Hensen) Gran, 1908	280 - 300	5-25								
77i	<i>Rhizosolenia hebetata f. semispina</i>										
	(Hensen) Gran, 1908	300 - 350	5-25					1	184499	184499	4850

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
77j	<i>Rhizosolenia hebetata f. semispina</i> (Hensen) Gran, 1908	350 - 560	5-25					3	180647 - 176185	22031001	61160
77k	<i>Rhizosolenia hebetata f. semispina</i> (Hensen) Gran, 1908	560 - 450	5-25					2	128027 - 177124	205576	4605
77l	<i>Rhizosolenia hebetata f. semispina</i> (Hensen) Gran, 1908	450 - 500	5-25					2	233200 - 245728	1600464	6637
78a	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	80 - 99	16-35								
78b	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	99 - 120	16-56					1	61006	61004	375
78c	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	120 - 164	16-35								
78d	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	164 - 203	20-30					1	53112	53111	1947
78e	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	203 - 180	16-35					7	52521 - 124458	65648	1778
78f	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	180 - 200	25-35					4	65003	71968	2503
78g	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	200 - 220	16-56					8	55553 - 20310003	1006810	3314
78h	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	220 - 256	16-56					1	49652	49652	1859
78i	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	256 - 260	16-56					1	107656	107656	3450
78j	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	260 - 280	16-56					1	16967	16949	4568
78k	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	280 - 300	16-56								
78l	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	300 - 320	20-30					1	1310036	1310036	4273
78m	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	320 - 356	20-45								
78n	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	356 - 360	30-35								
78o	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	360 - 380	16-56								
78p	<i>Rhizosolenia hyalina</i> Ostefeld, 1901	380 - 560	30-56					1	178130	178130	5221
79a	<i>Rhizosolenia imbricata</i> Brightwell, 1858	220 - 256	10-20	1	3534	3534	217				
79b	<i>Rhizosolenia imbricata</i> Brightwell, 1858	241 - 360	10-20	3	30240 - 241498	114864	3658				

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
88c	<i>Thalassiosira punctigera</i> (Castracane)										
	Hasle, 1983	56 - 60	16-45					3	58651 - 683710	60589	2177
88d	<i>Thalassiosira punctigera</i> (Castracane)										
	Hasle, 1983	50 - 75	20-50								
88e	<i>Thalassiosira punctigera</i> (Castracane) Hasle, 1983	80 - 99	56-60					1	2606010	2606011	796
89a	<i>Thalassiothrix longissima</i>										
	Cleve & Grunow, 1880	1203- 1300	5-20	2	41250	42375	20510				
90a	<i>Trieres mobiliensis</i> (J.W.Bailey)										
	Ashworth & Theriot, 2013	25 - 30	20-56								
90b	<i>Trieres mobiliensis</i> (J.W.Bailey)										
	Ashworth & Theriot, 2013	30 - 56	20-45								
90c	<i>Trieres mobiliensis</i> (J.W.Bailey)										
	Ashworth & Theriot, 2013	56 - 45	20-30								
90d	<i>Trieres mobiliensis</i> (J.W.Bailey)										
	Ashworth & Theriot, 2013	50 - 60	30-35								
90e	<i>Trieres mobiliensis</i> (J.W.Bailey)										
	Ashworth & Theriot, 2013	60 - 50	50-94								
90f	<i>Trieres mobiliensis</i> (J.W.Bailey)										
	Ashworth & Theriot, 2013	80 -99	65-99								
90g	<i>Trieres mobiliensis</i> (J.W.Bailey)										
	Ashworth & Theriot, 2013	99 - 120	30-94								
90h	<i>Trieres mobiliensis</i> (J.W.Bailey)										
	Ashworth & Theriot, 2013	120 - 164	30-94								

Appendix 1A continued											
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A	B	C	D	E	F	G	H	I	J	K	L
99a	<i>Blepharocysta denticula</i> Nie, 1939	50-50	56-60	2	65650-1130107	810274	9820				
100a	<i>Ceratocorys armata</i> (Schütt) Kofoid,1910	99-200		2	1130107-268083	1995811	198011				
101a	<i>Ceratocorys horrida</i> Stein, 1883	50-99		2	1000766	1000766	9878	6	119813-199166	168265	164610
101b	<i>Ceratocorys horrida</i> Stein, 1883	99-200						3	351963-1074998	5168610	50056
102a	<i>Ceratocorys reticulata</i> H.W.Graham, 1942	99-200		1	80517	80517	8731	3	380463-735131	601446	576103
103a	<i>Citharistes regius</i> Stein, 1883	30-45	35-45					6	13785-19813	20557	11043
104a	<i>Cochlodinium polykrikoides</i> Margalef, 1961	20-56	20-30					5	8960-20305	13663	1651
105a	<i>Corythodinium cristatum</i> (Kofoid) F.J.R.Taylor, 1976	50-99	56-50					6	11277-20096	18531	2196
106a	<i>Corythodinium tessellatum</i> (Stein) Loeblich Jr. & Loeblich III, 1966	50-99	56-50	1	46077	46077	5203	6	9837-16487	11439	13107
107a	<i>Dinophysis acuta</i> Ehrenberg, 1839	35-45	16-25								
108a	<i>Dinophysis argus</i> (Stein) Abé	80-99	80-99					5	114572- 3410399	1641044	14750
109a	<i>Dinophysis caudata</i> Saville-Kent,1881	60-50	56-50	2	96980	96980	9677				
109b	<i>Dinophysis caudata</i> Saville-Kent,1881	50-80	56-55								
110a	<i>Dinophysis exigua</i> Kofoid & Skogsberg, 1928	30-56	20-56					3	100078-11868	10747	1318
111a	<i>Dinophysis fortii</i> Pavillard, 1923	30-50	20-50					5	10461 - 37980	11999	1451
112a	<i>Dinophysis hastata</i> Stein, 1883	80-99	50-99					2	172199-256751	206451	0
113a	<i>Dinophysis miles</i> Cleve 1900	110 - 120						1	98565.08127	98565	10356
113b	<i>Dinophysis miles</i> Cleve 1900	120 - 130									
113c	<i>Dinophysis miles</i> Cleve, 1900	130 - 164						1	107175.6752	107176	11423
113d	<i>Dinophysis miles</i> Cleve, 1900	164 - 203						1	1160103.442	1160103	13017

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
113e	<i>Dinophysis miles</i> Cleve, 1900	203 - 203						4	111846-165087	1301603	13720
113f	<i>Dinophysis miles</i> Cleve, 1900	203 - 203						2	135844-300084	217984	22243
114a	<i>Dinophysis schuettii</i>										
	Murray & Whitting, 1899	20-50	20-56	2	25133-503717	364425	36042				
115a	<i>Diplopsalis lenticula</i> Bergh, 1881	20-56	30-50					1	643710	643710	5077
115b	<i>Diplopsalis lenticula</i> Bergh, 1881	56-50	56-60					10	45112-1604656	161768	16834
115c	<i>Diplopsalis lenticula</i> Bergh, 1881	50-50	60-80					8	184787-4341410	271724	27358
115d	<i>Diplopsalis lenticula</i> Bergh, 1881	50-99	80-99					1	1199356	1199356	111425
116a	<i>Goniodoma sphaericum</i>										
	Murray & Whitting, 1899	56-50		5	1130107-179674	1130107	12013	1	175856	1758410	18182
116b	<i>Goniodoma sphaericum</i>										
	Murray & Whitting, 1899	50-60						4	77125-10016000	85384	10177
116c	<i>Goniodoma sphaericum</i>										
	Murray & Whitting, 1899	60-50						2	34103-55606	44856	5057
117a	<i>Gonyaulax fusiformis</i>	56-80	56-50					4	104258 - 57823	2051600	168711
	H.W.Graham, 1942										
118a	<i>Gonyaulax minuta</i>	20 - 25	16-25								
	Kofoid & Michener, 1911										
118b	<i>Gonyaulax minuta</i>	25 - 30	16-25								
	Kofoid & Michener, 1911										
118c	<i>Gonyaulax minuta</i>	30 - 35	20-25								
	Kofoid & Michener, 1911										
119a	<i>Gonyaulax polygramma</i> Stein, 1883	45-55	56-50	2	49910 - 5727	5318	681				
119b	<i>Gonyaulax polygramma</i> Stein, 1883	55-65	56-50	2	8247 - 10425	8836	1098				

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
119c	<i>Gonyaulax polygramma</i> Stein, 1883	65-50	56-50	8	18644 - 84823	37176	4176	6	38806-146336	71604	7817
119d	<i>Gonyaulax polygramma</i> Stein, 1883	50-75	56-50	1	100399	1003810	9641	3	80996-145051	143389	20312
120a	<i>Gonyaulax rotundata</i> Rampi, 1951	50-80		2	18644 - 318010	26376	3062				
121a	<i>Gonyaulax spinifera</i> (Claparède & Lachmann) Diesing, 1866	56-50	35-56	2	1634 - 49910	3221	425				
121b	<i>Gonyaulax spinifera</i> (Claparède & Lachmann) Diesing, 1866	50-60	56-45					2	18421-57823	35072	41103
122a	<i>Gotoius abei</i> K.Matsuoka, 1988	30-56		3	49910 - 8247	8247	1028				
123a	<i>Gymnodium</i> spp.	20-60		16	2356 - 50686	8944	1110				
124a	<i>Heterocapsa niei</i> (Loeblich III) Morrill & Loeblich III, 1981	16-20						4	478-605	5610	84
125a	<i>Heterocapsa triquetra</i> (Ehrenberg) Stein, 1883	16-30		1	1698	1698	233				
126a	<i>Heterodinium milneri</i> (Murray & Whitting) Kofoid, 1906	56-99		1	160322	160322	3382				
127a	<i>Karenia brevis</i> (C.C.Davis) Gert Hansen & Ø.Moestrup, 2000	20-56		1	8087	8087	996				
127b	<i>Karenia brevis</i> (C.C.Davis) Gert Hansen & Ø.Moestrup, 2000	56-50		3	110242 - 58643	19881	2897				
128a	<i>Noctiluca scintillans</i> (Macartney) Kofoid & Swezy, 1921	500 - 500						1	1001071100	1001071100	303322
128b	<i>Noctiluca scintillans</i> (Macartney) Kofoid & Swezy, 1921	500 - 990						1	128655710	128655710	388767

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
141a	<i>Prorocentrum belizeanum</i>										
	M.A.Faust, 1763	50-50	56-60	1	2617	2513	337				
141b	<i>Prorocentrum belizeanum</i>										
	M.A.Faust, 1763	56-80	50-55	2	12566	12566	2056				
142a	<i>Prorocentrum concavum</i> Y.Fukuyo, 1981	50-50		2	13744	13744	1800				
143a	<i>Prorocentrum cordatum</i> J.D.Dodge, 1755	20-30						4	16026 - 3198	3136	415
144a	<i>Prorocentrum gracile</i> Schütt, 1895	56-50						2	6642- 10991	8271	1031
144b	<i>Prorocentrum gracile</i> Schütt, 1895	50-60		4	9610 - 274810	16859	2011	1	11416	11417	13105
144c	<i>Prorocentrum gracile</i> Schütt, 1895	60 - 50						8	9830 - 110244	111004	1477
144d	<i>Prorocentrum gracile</i> Schütt, 1895	50 - 80						1	12753	12753	1647
144e	<i>Prorocentrum gracile</i> Schütt, 1895	99 - 99						1	20558	20558	1841
144f	<i>Prorocentrum gracile</i> Schütt, 1895	99-120		1	50686	50686	7726				
145a	<i>Prorocentrum lenticulatum</i>										
	(Matzenauer) F.J.R.Taylor, 1976	20-56		3		56108	502				
145b	<i>Prorocentrum lenticulatum</i>										
	(Matzenauer) F.J.R.Taylor, 1976	30-50		1	27612	27612	3198				
146a	<i>Prorocentrum micans</i> Ehrenberg, 1834	20-35						2	26810 - 3625	3181	417
146b	<i>Prorocentrum micans</i> Ehrenberg, 1834	35 - 56		6	13564 - 18426	16508	2412	3	111410 - 20618	11724	14161
146c	<i>Prorocentrum micans</i> Ehrenberg, 1834	56 - 45						10	8865 - 131048	10788	1207
146d	<i>Prorocentrum micans</i> Ehrenberg, 1834	45 - 50									
146e	<i>Prorocentrum micans</i> Ehrenberg, 1834	50 - 60						2	1160010 - 14255	13587	1642
147a	<i>Prorocentrum oblongum</i> (Schiller) Ab-	56-50		2	12566 - 18177	16567	1756				
147b	<i>Prorocentrum oblongum</i> (Schiller) Ab-	50-80		1	51846	51846	5774				
148a	<i>Prorocentrum ovum</i> (Schiller)										
	J.D.Dodge, 1975	56-55						8	20237 - 25610	160096	2802
149a	<i>Prorocentrum rhathymum</i>										
	Sherley & Schmidt, 1759	80-99						6	240107 - 20636	180110	1665

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
150a	<i>Preperidinium meunieri</i> (Pavillard)										
	Elbrächter, 1993	56-60	80-99	2	45816 - 47124	464610	51810				
150b	<i>Preperidinium meunieri</i> (Pavillard)										
	Elbrächter, 1993	50-60	80-99	2	99531 - 314240	184345	19924				
151a	<i>Protopteridinium abei</i> (Paulsen, 1931)										
	Balech, 1974	50-60	56-50					1	26580	26580	3083
151b	<i>Protopteridinium abei</i> (Paulsen, 1931)										
	Balech, 1974	60-50	50-60					1	47382	47382	5307
151c	<i>Protopteridinium abei</i> (Paulsen, 1931)										
	Balech, 1974	50-99	60-99					5	75856-142061	99277	107161
151d	<i>Protopteridinium abei</i> (Paulsen, 1931)										
	Balech, 1974	99-99	60-99					3	116876-1710460	136581	14341
152a	<i>Protopteridinium biconicum</i>										
	(P.-A.Dangeard,1927) Balech, 1974	56-50	56-50					3	17718-30017	27507	3185
153a	<i>Protopteridinium brevipes</i>										
	(Paulsen, 1998) Balech, 1974	30-50	30-56					5	134160-20300	16487	1695
154a	<i>Protopteridinium conicum</i>										
	(Gran, 1990) Balech, 1974	30-56	30-55					10	9658-19923	28104	384
154b	<i>Protopteridinium conicum</i>										
	(Gran, 1990) Balech, 1974	56-50	60-50	2	11781-75396	435811	4997	8	177107-36184	4203	562
154c	<i>Protopteridinium conicum</i>										
	(Gran, 1990) Balech, 1974	50-60	50-80								
154d	<i>Protopteridinium conicum</i>										
	(Gran, 1990) Balech, 1974	60-75	60-99					1	34387-	34387	31028
155a	<i>Protopteridinium crassipes</i>										
	(Kofoid, 1997) Balech, 1974	55-65	45-60					7	34161-58243	43626	41001

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
156a	<i>Protooperidinium crassum</i> Balech, 1971	30-56	20-30					1	13587	13587	18410
156b	<i>Protooperidinium crassum</i> Balech, 1971	56-50	30-55					11	3997-35756	13632	1647
157a	<i>Protooperidinium curtipes</i> (Jørgensen, 1912) Balech, 1974	60-50	99-203					2	57455 - 96330	778103	8464
157b	<i>Protooperidinium curtipes</i> (Jørgensen, 1912) Balech, 1974	50-80	99-203					2	184485 - 194087	199786	19828
157c	<i>Protooperidinium curtipes</i> (Jørgensen, 1912) Balech, 1974	80-99	99-203					1	1604103 - 1604103	1604102	23537
157d	<i>Protooperidinium curtipes</i> (Jørgensen, 1912) Balech, 1974	99-99	99-203					1	314511 - 314511	314511	31386
158a	<i>Preperidinium diabolium</i> (Cleve, 1900) Balech, 1974	99-164	60-80								
159a	<i>Protooperidinium divergens</i> (Ehrenberg, 1840) Balech, 1974	50-50	50-75	2	82993-824668	822835	77434				
159b	<i>Protooperidinium divergens</i> (Ehrenberg, 1840) Balech, 1974	50-99	50-99	1	9953011	9953011	103457				
160a	<i>Protooperidinium elegans</i> (Cleve, 1900) Balech, 1974	203-180	203-220	1	310261000	310261000	38661				
161a	<i>Protooperidinium heteracanthum</i> (Dangeard) Balech	50-85	60-50					4	83886 - 104125	88662	9458
162a	<i>Protooperidinium inflatum</i> (Okamura, 1912) Balech, 1974	110-120	99-110					2	1102046 - 338633	2653311	26756
162b	<i>Protooperidinium inflatum</i> (Okamura, 1912) Balech, 1974	120-130	75-85					2	186130 - 223175	1104178	16842
162c	<i>Protooperidinium inflatum</i> (Okamura, 1912) Balech, 1974	130-164	75-85					1	1841710 - 1841710	1841710	237104

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
163a	<i>Protooperidinium latispinum</i>										
	(Mangin, 1926) Balech, 1974	80 - 99	50-80					3	1163410 - 165658	134450	14131
163b	<i>Protooperidinium latispinum</i>										
	(Mangin, 1926) Balech, 1974	99 - 120	80-99					3	18041000 - 387847	302946	30302
163c	<i>Protooperidinium latispinum</i>										
	(Mangin, 1926) Balech, 1974	120-164	80-99					1	313237	313237	31266
164a	<i>Protooperidinium latissimum</i>										
	(Kofoid, 1907) Balech, 1974	50-60	50-80								
164b	<i>Protooperidinium latissimum</i>										
	(Kofoid, 1907) Balech, 1974	60-50	80-99								
164c	<i>Protooperidinium latissimum</i>										
	(Kofoid, 1907) Balech, 1974	50-80	80-99								
165a	<i>Protooperidinium leonis</i>										
	(Pavillard, 1907) Balech, 1974	30-50	56-50	1	75396	75396	8187	6	25611 - 17781	24334	28310
166a	<i>Protooperidinium minutissimum</i>										
	(L. Mangin 1926) Balech, 1974	16-25	16-25								
167a	<i>Protooperidinium oceanicum</i>										
	(VanHöffen, 1897) Balech, 1974	99 - 99	60-99					2	110992 - 245743	178323	18422
167b	<i>Protooperidinium oceanicum</i>										
	(VanHöffen, 1897) Balech, 1974	99 - 120	110-120					3	224222 - 394160	257181	28782
167c	<i>Protooperidinium oceanicum</i>										
	(VanHöffen, 1897) Balech, 1974	120 - 130	80-120					3	288281 - 3101806	373880	361009
167d	<i>Protooperidinium oceanicum</i>										
	(VanHöffen, 1897) Balech, 1974	130 - 164	80-120					2	298104 - 467723	3811006	37663
167e	<i>Protooperidinium oceanicum</i>										
	(VanHöffen, 1897) Balech, 1974	164 - 203	80-120					4	348880 - 525041	509846	410383

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
167f	<i>Protooperidinium oceanicum</i>										
	(VanHöffen, 1897) Balech, 1974	203 - 203	80-120					3	2378103 - 5610046	499522	47641
168a	<i>Protooperidinium oviforme</i>										
	(Dangeard, 1927) Balech, 1974	30 - 50	20-45					3	9824 - 24050	10422	1280
168b	<i>Protooperidinium oviforme</i>										
	(Dangeard, 1927) Balech, 1974	50 - 50	30-50					6	1810007 - 43424	29847	3416
169a	<i>Protooperidinium ovum</i> (Schiller, 1911)										
	Balech, 1974	30-45	30-56					8	8052-18021	99161	1185
170a	<i>Protooperidinium pellucidum</i> Bergh, 1881	20-30	20-35	1	8247	8247	1028	3	4314 - 16862	7987	10004
170b	<i>Protooperidinium pellucidum</i> Bergh, 1881	30-56	35-45					3	28787 - 56072	39434	3321
170c	<i>Protooperidinium pellucidum</i> Bergh, 1881	56-50	56-55								
171a	<i>Protooperidinium pentagonum</i>										
	(Gran, 1902) Balech, 1974	50 - 60	60-50					1	6107100	610800	7634
171b	<i>Protooperidinium pentagonum</i>										
	(Gran, 1902) Balech, 1974	60 - 50	60-50					2	82030 - 84983	83281	9913
171c	<i>Protooperidinium pentagonum</i>										
	(Gran, 1902) Balech, 1974	50 - 80	60-50					3	88604 - 1110420	94067	9467
172a	<i>Protooperidinium pyriforme</i>										
	(Paulsen, 1905) Balech, 1974	50 - 50	50-60					5	37614 - 50233	44298	4962
173a	<i>Protooperidinium steinii</i>										
	(Jørgensen, 1899) Balech, 1974	30 - 56	20-30	1	18644	18644	2466	3	7502 - 8416	7642	947
173b	<i>Protooperidinium steinii</i>										
	(Jørgensen, 1899) Balech, 1974	56 - 50	20-30					1	20536	20536	11041

Appendix 1A continued												
A	B	C	D	E	F	G	H	I	J	K	L	
173c	<i>Protoperidinium steinii</i> (Jørgensen, 1899) Balech, 1974	50 - 60	56-50						6	110430 - 38723	23812	2781
173d	<i>Protoperidinium steinii</i> (Jørgensen, 1899) Balech, 1974	60 - 50	56-50						2	35110 - 371003	36511	4165
174a	<i>Protoperidinium subinerme</i> (Paulsen) Loeblich III, 1969	60-50	60-75	1	12828	12828	1656	1	711022	711022	7853	
174b	<i>Protoperidinium subinerme</i> (Paulsen) Loeblich III, 1969	50 - 80	65-75						3	87964 - 1000733	103551	9952
175a	<i>Pyrocystis elegans</i> Pavillard, 1931	120-200	80-1203	2	50686	50686	7726					
176a	<i>Pyrocystis fusiformis</i> C.W.Thomson, 1876	99-200		1	32967	32967	3777					
177a	<i>Pyrocystis hamulus</i> var. <i>hamulus</i> Cleve 1990	120-200										
178a	<i>Pyrocystis lunula</i> (Schütt) Schütt, 1896	600 - 500	200-250						4	12327823 - 3082394	166535610	1801
178b	<i>Pyrocystis lunula</i> (Schütt) Schütt, 1896	500 - 800	180-200						5	12738776 - 19456738	143810327	1137
178c	<i>Pyrocystis lunula</i> (Schütt) Schütt, 1896	800 - 990	200-220						4	12505386 - 160717160	294067411	2246
178d	<i>Pyrocystis lunula</i> (Schütt) Schütt, 1896	990-990	200-250						2	298982810 - 160717160	294067411	2246
179a	<i>Pyrocystis pseudonocutiluca</i> Wyville-Thompson, 1876	99 - 200		14	6981000 - 477116038	28804478	16811041	10	1399184 - 31100605	24410962	1660	
179b	<i>Pyrocystis pseudonocutiluca</i> Wyville-Thompson, 1876	200 - 300							6	5686801 - 12688321	8198667	6504

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
179c	<i>Pyrocystis pseudonoclituca</i>										
	Wyville-Thompson, 1876	300 - 560						17	203373160 - 33056043	24180063	1855
179d	<i>Pyrocystis pseudonoclituca</i>										
	Wyville-Thompson, 1876	560 - 500						4	351100410 - 582711006	37782992	2816
179e	<i>Pyrocystis pseudonoclituca</i>										
	Wyville-Thompson, 1876	500 - 600						1	8128109610	8128109610	5780
180a	<i>Pyrocystis robusta</i> Kofoid, 1907	80-120		1	33510	33510	3834				
181a	<i>Pyrophacus steinii</i> (Schiller)										
	Wall & Dale, 1971	35-45	60-80								
182a	<i>Scrippsiella trochoidea</i> (Stein)										
	Loeblich III, 1976	16-20	10-16	110	1021-10946	7854	962	4	2580-3947	3664	4711
182b	<i>Scrippsiella trochoidea</i> (Stein)										
	Loeblich III, 1976	20-25	20-25	4	100310-28274	17533	2332	35	41660-111003	60104	773
182c	<i>Scrippsiella trochoidea</i> (Stein)										
	Loeblich III, 1976	25-30	20-25					5	7574-9904	8341	1039
183a	<i>Triadinium polyedricum</i> (Pouchet)										
	Dodge, 1981	46-50		4	25133 - 63617	44374	41099	8	67166-82851	8100	8689
183b	<i>Triadinium polyedricum</i> (Pouchet)										
	Dodge, 1981	50-60		7	184363 - 280387	184726	19942				
183c	<i>Triadinium polyedricum</i> (Pouchet)										
	Dodge, 1981	60-50		3	3100652 - 4481021	3100652	38564				
184a	<i>Tripes azoricus</i> (Cleve)										
	F.Gómez, 2013	50-75						7	23866 - 61823		
185a	<i>Tripes buceros</i> (Zacharias)										
	F.Gómez, 2013	56 - 50						1	26851	26851	3113

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
185b	<i>Tripes buceros</i> (Zacharias)										
	F.Gómez, 2013	50 - 99						4	568310 - 132503	94617	10261
186a	<i>Tripes candelabrus</i> (Ehrenberg)										
	F.Gómez, 2013	56 - 50						3	42801 - 94622	45632	5101
186b	<i>Tripes candelabrus</i> (Ehrenberg)										
	F.Gómez, 2013	50 - 60						5	29913 - 416037	36121	4113
186c	<i>Tripes candelabrus</i> (Ehrenberg)										
	F.Gómez, 2013	60 -80						2	35033 - 41456	310244	4446
186d	<i>Tripes candelabrus</i> (Ehrenberg)										
	F.Gómez, 2013	80 - 99						2	31980 - 56416	361811	4121
187a	<i>Tripes carriensis</i> (Gourret)										
	F.Gómez, 2013	40-56						1	5338	5338	683
187b	<i>Tripes carriensis</i> (Gourret)										
	F.Gómez, 2013	56 - 60									
	Appendix 1A continued										
187c	<i>Tripes carriensis</i> (Gourret)										
	F.Gómez, 2013	60 - 80						3	99687 - 203685	103012	1000108
187d	<i>Tripes carriensis</i> (Gourret)										
	F.Gómez, 2013	80 - 99						5	56416 - 175628	84240	10002
188a	<i>Tripes coarctus</i> (Pavillard)										
	F.Gómez, 2013	50 - 50						2	16560 - 42723	160042	3362

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
188b	<i>Tripes coarctus</i> (Pavillard)										
	F.Gómez, 2013	50 - 99						3	516410 - 57112	56721	6076
189a	<i>Tripes contortus</i> (Gourret)										
	F.Gómez, 2013	50-80						1	604100	604100	6675
189b	<i>Tripes contortus</i> (Gourret)										
	F.Gómez, 2013	80-99						3	104585 - 135665	124347	13132
189c	<i>Tripes contortus</i> (Gourret)										
	F.Gómez, 2013	99-110						2	6107110 - 79614	74766	8145
189d	<i>Tripes contortus</i> (Gourret)										
	F.Gómez, 2013	120-130						5	48433 - 120233	72221	7884
190a	<i>Tripes contrarius</i> (Gourret)										
	F.Gómez, 2013	50-60						4	58038 - 75677	68664	7519
191a	<i>Tripes declinatus</i> (G.Karsten)										
	F.Gómez, 2013	50-60		1	410345	410345	5513				
192a	<i>Tripes deflexus</i> (Kofoid)										
	F.Gómez, 2014	60-99						11	4171000 - 68853	53806	8780
193a	<i>Tripes digitatus</i> (F.Schütt)										
	F.Gómez, 2013	120-164						3	946160 - 1137160	1023716	94063
194a	<i>Tripes extensus</i> (Gourret)										
	F.Gómez, 2013	990-1200		1	32967	32967	3777	1	148851	148851	16568
194b	<i>Tripes extensus</i> (Gourret)										
	F.Gómez, 2013	1200-2030						1	200988	200988	20611
194c	<i>Tripes extensus</i> (Gourret)										
	F.Gómez, 2013	2030-2000						6	184203 - 318447	2746710	27638

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
194d	<i>Tripes extensus</i> (Gourret)										
	F.Gómez, 2013	2000-2200						2	285180 - 3565610	317588	32410
195a	<i>Tripes furca</i> (Ehrenberg)										
	F.Gómez, 2013	50-60		2	18577	18577	2203	11	3256 - 132334	26442	3069
195b	<i>Tripes furca</i> (Ehrenberg)										
	F.Gómez, 2013	56 - 60		4	201600-36871	33532	3836	110	3452 - 184661	1841000	2184
195c	<i>Tripes furca</i> (Ehrenberg)										
	F.Gómez, 2013	60 -80		1	56998	56998	6303	48	10328 - 2405010	344105	310310
195d	<i>Tripes furca</i> (Ehrenberg)										
	F.Gómez, 2013	80- 99		0				17	120200 - 80568	44711	5026
195e	<i>Tripes furca</i> (Ehrenberg)										
	F.Gómez, 2013	99 - 120		0				3	166027 - 301034	27871	3224
195f	<i>Tripes furca</i> (Ehrenberg)										
	F.Gómez, 2013	120-130		1	83646	83646	99411				
196a	<i>Tripes fusus</i> (Ehrenberg)										
	F.Gómez, 2013	560-500		3	3056 - 100016	78710	965				
196b	<i>Tripes fusus</i> (Ehrenberg)										
	F.Gómez, 2013	500 - 600		20	18644 - 50265	160452	3394	4	57356 - 99146	501035	7751
196c	<i>Tripes fusus</i> (Ehrenberg)										
	F.Gómez, 2013	560 - 500						6	11224 - 104875	48438	5618
196d	<i>Tripes fusus</i> (Ehrenberg)										
	F.Gómez, 2013	300 - 560						14	13566 - 100041	441073	5053
196e	<i>Tripes fusus</i> (Ehrenberg)										
	F.Gómez, 2013	200 - 300						4	5073 - 52373	25032	3133

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
197a	<i>Tripes gibberus</i> (Gourret)										
	F.Gómez, 1883	80 - 99						3	63507 - 676810	67576	7567
197b	<i>Tripes gibberus</i> (Gourret)										
	F.Gómez, 1883	99 - 110						1	79974	79974	8584
197c	<i>Tripes gibberus</i> (Gourret)										
	F.Gómez, 1883	110 - 203						1	104172	104172	10016
198a	<i>Tripes gravidus</i> (Gourret)										
	F.Gómez, 2013	56-60						3	699855 - 7338763	66249810	568985
199a	<i>Tripes hexacanthus</i> (Gourret)										
	F.Gómez, 2013	99-120						3	66507 - 118028	99223	10716
200a	<i>Tripes horridus</i> (Cleve)										
	F.Gómez, 2013	30 - 56						1	2681	2680	358
200b	<i>Tripes horridus</i> (Cleve)										
	F.Gómez, 2013	56 - 50						7	61075 - 331102	13716	1657
200c	<i>Tripes horridus</i> (Cleve)										
	F.Gómez, 2013	50 - 60						4	110468 - 56516	25055	3136
201a	<i>Tripes inflatus</i> (Karsten)										
	F.Gómez, 2013	600 - 500						2	1336 - 26061	98996	10400
201b	<i>Tripes inflatus</i> (Karsten)										
	F.Gómez, 2013	500 - 800						4	1443 - 286160	109877	98610
201c	<i>Tripes inflatus</i> (Karsten)										
	F.Gómez, 2013	800 -990						3	1757 - 36650	1641072	14774
201d	<i>Tripes inflatus</i> (Karsten)										
	F.Gómez, 2013	990 - 990						1	1861 - 29664	109404	9852

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
202a	<i>Tripes kofoidii</i> (Jörgenen) F.Gómez, 2013	30 - 56						6	3666 - 7870	4566	5811
202b	<i>Tripes kofoidii</i> (Jörgenen) F.Gómez, 2013	56 - 50						10	2367 - 11768	5266	674
203a	<i>Tripes limulus</i> (Pouchet) F.Gómez, 2013	50-50						3	34456 - 380107	35099	5604
204a	<i>Tripes lunula</i> (Schimper ex Karsten) F.Gómez, 2013	99 - 120						7	71656 - 26107410	139887	27172
204b	<i>Tripes lunula</i> (Schimper ex Karsten) F.Gómez, 2013	120 - 256						1	2458561	2458557	1104421
205a	<i>Tripes macroceros</i> (Ehrenberg) F.Gómez, 2013	50-50						3	27538 - 1137160	410374	5516
206a	<i>Tripes massiliensis</i> (Gourret) F.Gómez, 2013	56-50									
207a	<i>Tripes massiliensis f. armatus</i> (Karsten) F.Gómez, 2013	25 - 35						3	16028 - 23722	3869	505
207b	<i>Tripes massiliensis f. armatus</i> (Karsten) F.Gómez, 2013	35 - 75						6	43265 - 100684	56862	6099
207c	<i>Tripes massiliensis f. armatus</i> (Karsten) F.Gómez, 2013	75 - 99						1	298184	298184	29851
208a	<i>Tripes muelleri</i> Bory de Saint-Vincent, 1824	50 - 80		1	103185	103185	9918	1	710042	710042	8871
208b	<i>Tripes muelleri</i> Bory de Saint-Vincent, 1824	80 - 99						7	310784 - 50196	4160001	4781

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
208c	<i>Tripes muelleri</i>										
	Bory de Saint-Vincent, 1824	99 - 99						5	438710 - 94632	68341	7486
208d	<i>Tripes muelleri</i>										
	Bory de Saint-Vincent, 1824	99 - 110						1	98034	98034	10303
209a	<i>Tripes pentagonus</i> (Gourret)										
	F.Gómez, 2013	50 - 50						1	12417	12416	1449
209b	<i>Tripes pentagonus</i> (Gourret)										
	F.Gómez, 2013	50 - 99						3	256410 - 6107410	25649	2981
209c	<i>Tripes pentagonus</i> (Gourret)										
	F.Gómez, 2013	99 - 120						10	23995 - 661001	38055	43111
209d	<i>Tripes pentagonus</i> (Gourret)										
	F.Gómez, 2013	120 - 164						1	123965	123965	13095
210a	<i>Tripes platycornis</i> (Daday)										
	F.Gómez, 2013	164-165									
211a	<i>Tripes praelongus</i> (Lemmermann)										
	Gómez, 2013	60-110						4	6110284 - 2020387	16110161	137996
212a	<i>Tripes pulchellus</i> (Schröder)										
	F.Gómez, 2013	50 - 80						1	34353	34353	31024
212b	<i>Tripes pulchellus</i> (Schröder)										
	F.Gómez, 2013	80 - 99						6	31475 - 78552	51619	5751
212c	<i>Tripes pulchellus</i> (Schröder)										
	F.Gómez, 2013	99 - 99						8	51965 - 94611	86551	10347
213a	<i>Tripes ranipes</i> (Cleve) F.Gómez, 2013	60-80						3	1000496 - 147275	145174	16187
214a	<i>Tripes schrankii</i> (Kofoid)										
	F.Gómez, 2013	80-99						2	260376 - 342461	301418	30160

Appendix 1A continued											
A	B	C	D	E	F	G	H	I	J	K	L
214b	<i>Tripes schrankii</i> (Kofoid)										
	F.Gómez, 2013	99-120						10	79678 - 194645	1000339	9835
215a	<i>Tripes symmetricus</i> (Pavillard)										
	F.Gómez, 2013	60-75						3	30484 - 56477	35844	5684
216a	<i>Tripes teres</i> (Kofoid) F.Gómez, 2013	50 - 50						4	3313 - 10452	7301	1007
216b	<i>Tripes teres</i> (Kofoid) F.Gómez, 2013	50 - 99						6	31711 - 47334	42984	4841
217a	<i>Tripes trichoceros</i> (Ehrenberg)										
	F.Gómez, 2013	30 - 56						1	34736	34736	3985
217b	<i>Tripes trichoceros</i> (Ehrenberg)										
	F.Gómez, 2013	56 - 50						18	14378 - 618102	27575	31102
217c	<i>Tripes trichoceros</i> (Ehrenberg)										
	F.Gómez, 2013	50 - 60						16	20537 - 58314	378310	4299
217d	<i>Tripes trichoceros</i> (Ehrenberg)										
	F.Gómez, 2013	60 - 50						2	160160 - 55756	41983	4799
218a	<i>Tripes vultur</i> (Cleve) F.Gómez, 2013	56 - 50		1	161103	161103	1827	4	26137 - 361002	311101	3584
218b	<i>Tripes vultur</i> (Cleve) F.Gómez, 2013	50 - 60						3	71007 - 761007	33716	3856
218c	<i>Tripes vultur</i> (Cleve) F.Gómez, 2013	60 - 50						6	561660 - 1000320	65621	5056
218d	<i>Tripes vultur</i> (Cleve) F.Gómez, 2013	50 - 80						1	51778	51778	5820
218e	<i>Tripes vultur</i> (Cleve) F.Gómez, 2013	80 - 99						1	983410	98349	11338
218f	<i>Tripes vultur</i> (Cleve) F.Gómez, 2013	99 - 203						1	784656	784656	75656
219a	<i>Tryblionella compressa</i> (J.W.Bailey)										
	M.Poulin, 1990	20-30		5	4712 - 10084	7422	1031	3	3198-4180	3656	479
219b	<i>Tryblionella compressa</i> (J.W.Bailey)										
	M.Poulin, 1990	56-50		10	100098 - 24150	16508	2412	4	1942-25627	20305	16004
219c	<i>Tryblionella compressa</i> (J.W.Bailey)										
	M.Poulin, 1990	50-60		3	27612 - 42506	42506	4814				

Appendix 1B: List of Diatoms and Dinoflagellates cell sizes, cell volume and Carbon per cell from the Dona Paula Bay. The columns from left to right (A to L) denote, **A** - Serial number; **B** – species; **C** - length range of the cell (μm); **D** - width range of the cell (μm); **E** and **I** - number of cells measured; **F** and **J** - range of cell volume from minimum –maximum (μm^3); **G** and **K** - median value (μm^3); **H** and **L** – carbon per cell (pg C cell^{-1}) measured for live and fixed cells respectively.

Appendix 1B											
A	B	C	D	E	F	G	H	I	J	K	L
	Diatoms										
1a	<i>Asterionellopsis glacialis</i> (Castracane)										
	Round, 1990	90-100	5-10					35	2962 - 7834	5141	294
2a	<i>Asterolampra marylandica</i> Ehrenberg 1844	20-30	10-15								
2b	<i>Asterolampra marylandica</i> Ehrenberg 1844	30-40	10-30								
2c	<i>Asterolampra marylandica</i> Ehrenberg 1844	40-50	10-30								
2d	<i>Asterolampra marylandica</i> Ehrenberg 1844	50-60	5-21								
2e	<i>Asterolampra marylandica</i> Ehrenberg 1844	60-70	20-65								
3a	<i>Azpeitia nodulifera</i> (A.W.F.Schmidt)										
	G.A.Fryxell & P.A.Sims, 1996	80-100	20-40								
4a	<i>Bacteriastrum furcatum</i> Shadbolt 1854	5-10	15-20	5	1629 - 2142	1682	119				
4b	<i>Bacteriastrum furcatum</i> Shadbolt 1854	10-15	15-20	13	1896 - 2977	2311	154				
4c	<i>Bacteriastrum furcatum</i> Shadbolt 1854	15-20	7-15					20	654 - 5416	3314	206
4d	<i>Bacteriastrum furcatum</i> Shadbolt 1854	20-25	11-20					14	933 - 5149	3450	213
4e	<i>Bacteriastrum furcatum</i> Shadbolt 1854	25-30	10-15					3	2665 - 5741	5559	314
4f	<i>Bacteriastrum furcatum</i> Shadbolt 1854	30-35	10-15					2	2665 - 5741	4203	250
4g	<i>Bacteriastrum furcatum</i> Shadbolt 1854	35-50	10-15	7	2312 - 6122	2640	172				
4h	<i>Bacteriastrum furcatum</i> Shadbolt 1854	50-60	10-15	1	5919	5918	330				
4i	<i>Bacteriastrum furcatum</i> Shadbolt 1854	60-80	10-15								
4j	<i>Bacteriastrum furcatum</i> Shadbolt 1854	80-120	15-20								
5a	<i>Bacteriastrum hyalinum</i> Lauder 1864	5-10	20-25	17	1234 - 2876	1934	184				
5b	<i>Bacteriastrum hyalinum</i> Lauder 1864	10-20	10-25	21	2115 - 31821	3621	1292	6	4706 - 5714	5374	305

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
5c	<i>Bacteriastrum hyalinum</i> Lauder 1864	20-25	10-25	6	6931- 53348	40553	1964	5	11685 - 28748	27492	1147
5d	<i>Bacteriastrum hyalinum</i> Lauder 1864	25-30	10-25	4	16535 - 55365	18588	835	23	1205 - 15860	2904	185
5e	<i>Bacteriastrum hyalinum</i> Lauder 1864	30-35	10-25	1	25156	25156	1067	5	4018- 42651	19291	861
5f	<i>Bacteriastrum hyalinum</i> Lauder 1864	35-50	25-30					4	47758 - 54928	51639	1913
5g	<i>Bacteriastrum hyalinum</i> Lauder 1864	50-55	30-35					1	60652	60652	2179
6a	<i>Chaetoceros affinis</i> Lauder 1864	5-10	10-25					1	4333	4333	256
6b	<i>Chaetoceros affinis</i> Lauder 1864	15-20	10-25	16	1096 - 2391	1358	100	8	2495- 6457	5731	322
6c	<i>Chaetoceros affinis</i> Lauder 1864	20-25	10-25	12	1286 - 2442	1675	119	5	2408- 7550	3198	200
6d	<i>Chaetoceros affinis</i> Lauder 1864	25-30	10-20					3	3246-4025	3947	238
6e	<i>Chaetoceros affinis</i> Lauder 1864	30-35	15-20					2	4539 - 4692	4692	273
7a	<i>Chaetoceros castracanei</i> Karsten 1905	15-20	10-20					3	2752-3206	2994	190
7b	<i>Chaetoceros castracanei</i> Karsten 1905	20-25	10-25					6	2501 - 9307	3743	228
7c	<i>Chaetoceros castracanei</i> Karsten 1905	25-30	20-35					10	10685 - 13393	11270	557
7d	<i>Chaetoceros castracanei</i> Karsten 1905	30-35	25-35	4	132810 - 16134	14586	686	4	13106 - 14901	14798	694
8a	<i>Chaetoceros coarctatus</i> Lauder 1864	20-25	10-20								
8b	<i>Chaetoceros coarctatus</i> Lauder 1864	25-30	10-30								
8c	<i>Chaetoceros coarctatus</i> Lauder 1864	40-50	10-30								
9a	<i>Chaetoceros concavicornis</i> Mangin 1917	15-20	10-15	5	1636 - 2918	2670	173	2	2179 - 3675	2927	187
9b	<i>Chaetoceros concavicornis</i> Mangin 1917	20-25	7-25					6	1335 - 6189	3840	232
9c	<i>Chaetoceros concavicornis</i> Mangin 1917	25-30	10-15					1	1724	1724	121
9d	<i>Chaetoceros concavicornis</i> Mangin 1917	50-70	10-15								
10a	<i>Chaetoceros convolutus</i> Castracane, 1886	15-20	10-20								
11a	<i>Chaetoceros curvisetus</i> Cleve 1889	5-10	10-15	1	1732	1732	122	1	631	631	54
11b	<i>Chaetoceros curvisetus</i> Cleve 1889	10-15	5-25	68	594 - 2615	1096	84	19	715 - 2786	1115	85

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
11c	<i>Chaetoceros curvisetus</i> Cleve 1889	15-20	15-20	51	750 - 3487	1501	108	4	3057 - 3378	3155	199
11d	<i>Chaetoceros curvisetus</i> Cleve 1889	20-25	10-25	8	1976 - 4219	2914	186				
11e	<i>Chaetoceros curvisetus</i> Cleve 1889	25-30	10-25								
11f	<i>Chaetoceros curvisetus</i> Cleve 1889	30-35	10-25								
12a	<i>Chaetoceros decipiens</i> Cleve 1873	15-20	60-65								
13a	<i>Chaetoceros diversus</i> Cleve 1873	5-10	5-10					2	212 - 220	216	22
13b	<i>Chaetoceros diversus</i> Cleve 1873	10-15	5-10					1	253	254	26
13c	<i>Chaetoceros diversus</i> Cleve 1873	15-20	10-15								
14a	<i>Chaetoceros furcellatus</i> Yendo, 1911	10-15	15-25					4	3764 - 5087	4106	245
14b	<i>Chaetoceros furcellatus</i> Yendo, 1911	15-20	15-25					20	3641 - 9340	4847	281
14c	<i>Chaetoceros furcellatus</i> Yendo, 1911	20-25	15-25					3	4637 - 4900	4748	276
14d	<i>Chaetoceros furcellatus</i> Yendo, 1911	25-30	15-25								
14e	<i>Chaetoceros furcellatus</i> Yendo, 1911	30-35	15-25								
15a	<i>Chaetoceros lacinosus</i> F.Schütt, 1895	10-15	10-20								
15b	<i>Chaetoceros lacinosus</i> F.Schütt, 1895	15-20	10-20								
16a	<i>Chaetoceros lauderi</i> Ralfs, 1864	10-20	10-15								
17a	<i>Chaetoceros lorenzianus</i> Grunow, 1863	10-15	5-10	19	1045 - 7681	1652	117				
17b	<i>Chaetoceros lorenzianus</i> Grunow, 1863	15-20	10-15	57	1245 - 20263	3629	222	1	6944		
17c	<i>Chaetoceros lorenzianus</i> Grunow, 1863	20-25	25-30	34	2146 - 21946	4160	248	14	4339 - 9396	6420	353
17d	<i>Chaetoceros lorenzianus</i> Grunow, 1863	25-30	25-30	34	2147 - 21946			9	4776 - 9777	5232	299
17e	<i>Chaetoceros lorenzianus</i> Grunow, 1863	30-35	25-30	2	8702-9658	9658	9180	8	8332 - 23779	11445	564

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
17f	<i>Chaetoceros lorenzianus</i> Grunow, 1863	35-40	25-30					4	11445 - 27277	21950	956
17g	<i>Chaetoceros lorenzianus</i> Grunow, 1863	45-50	25-30					4	20062-34776	26363	1109
18a	<i>Chaetoceros messanense</i> Castracane, 1875	10-15	20-25								
19a	<i>Chaetoceros peruvianus</i> Brightwell, 1856	30-35	20-35								
20a	<i>Chaetoceros simplex</i> Ostenfeld, 1902	15-20	20-25	2	1709 - 1713	1711	121				
21a	<i>Chaetoceros subtilis</i> Cleve, 1896	5-10	15-25					3	1247 - 1352	1341	99
21b	<i>Chaetoceros subtilis</i> Cleve, 1896	10-15	15-25					11	1308 - 2394	1518	110
21c	<i>Chaetoceros subtilis</i> Cleve, 1896	15-20	15-25								
22a	<i>Climacodium frauenfeldianum</i> Grunow, 1868	10-15	100-200								
22b	<i>Climacodium frauenfeldianum</i> Grunow, 1868	15-20	80-170								
22c	<i>Climacodium frauenfeldianum</i> Grunow, 1868	20-25	80-110								
22d	<i>Climacodium frauenfeldianum</i> Grunow, 1868	25-30	300-350								
22e	<i>Climacodium frauenfeldianum</i> Grunow, 1868	30-35	180-250								
22f	<i>Climacodium frauenfeldianum</i> Grunow, 1868	40-45	240-260								
22g	<i>Climacodium frauenfeldianum</i> Grunow, 1868	55-60	180-200								
23a	<i>Corethron pennatum</i> (Grunow) Ostenfeld, 1909	30-40	15-20	2	6161- 6449	6305	347				
23b	<i>Corethron pennatum</i> (Grunow) Ostenfeld, 1909	40-50	15-30	4	6393-34643	17771	805				
23c	<i>Corethron pennatum</i> (Grunow) Ostenfeld, 1909	50-65	30-40	14	7302 - 47256	10735	535	5	24408 - 80697	52317	1933
23d	<i>Corethron pennatum</i> (Grunow) Ostenfeld, 1909	65-100	30-40	10	12623 - 83788	67469	2376				
23e	<i>Corethron pennatum</i> (Grunow) Ostenfeld, 1909	100-200	30-40					2	160650 - 218499	189574	5491

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
31a	<i>Detonula pumila</i> (Castracane) Gran, 1900	50-100	50-60					14	9034-13182	11711	574
32a	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	10-30	30-40	2	1882 - 18835	10159	520				
32b	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	30-60	30-60								
32c	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	60-70	30-35	1	90219	90219	3007	4	30338 - 38142	35624	1415
32d	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	70-80	30-60	8	93494 - 216538	160772	4804	10	35477 - 158781	47705	1794
32e	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	80-90	20-140	13	76871- 275929	201412	5768	6	23659 - 612886	394936	9958
32f	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	90-99	20-120	5	112601 - 343843	141915	4342	6	21226 - 527924	159396	4771
32g	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	99-110	25-85	6	127807 - 186871	142704	4362	7	37441 - 329762	51192	1899
32h	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	110-120	25-115	14	150566 - 403127	182855	5333	10	39015 - 671638	67917	2388
32i	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	120-130	20-85	25	156300 - 357372	210989	5989	10	23609 - 376469	53339	1963
32j	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	130-1 40	20-140	9	163744 - 378871	256128	7009	12	35599 - 979179	70081	2450
32k	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	140-150	20-40	5	212972 - 304728	272201	7364	5	27173 - 77668	68505	2405
32l	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	150-160	20-45	4	235151 - 482808	348493	8997	9	27363 - 461913	71700	2496
32m	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	160-180	30-40					2	80374 - 118742	99558	3257
32n	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	180-190	20-40					3	72773 - 95159	91978	3055
32o	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	190-200	30-40	1	495977	495977	11979	1	118655	118655	3755
32p	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885	200-220	40-50					1	174960	174960	5145
33a	<i>Eucampia cornuta</i> (Cleve) Grunow, 1883	50-70	20-50	6	8255 - 10001	9289	476	6	8255 - 10001		
34a	<i>Eucampia groenlandica</i> Cleve, 1896	60-75	15-20	3	12072 - 14331.89	14092	667				
34b	<i>Eucampia groenlandica</i> Cleve, 1896	75-85	20-25					2	26514 - 31265	29823	1225
35a	<i>Eucampia zodiacus</i> Ehrenberg, 1839	10-20	20-25	5	7071 - 10655	8234	431				
35b	<i>Eucampia zodiacus</i> Ehrenberg, 1839	20-25	20-40	5	91834 - 11320	11156	552	16	4290-7224	6406	352
35c	<i>Eucampia zodiacus</i> Ehrenberg, 1839	25-30	20-45	1	11742	11742	575	20	5529 - 8606	7224	388
35d	<i>Eucampia zodiacus</i> Ehrenberg, 1839	30-35	20-45					17	6844 - 10637	8919	460

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
35e	<i>Eucampia zodiacus</i> Ehrenberg, 1839	35-40	20-50					12	7478-11919	9958	503
35f	<i>Eucampia zodiacus</i> Ehrenberg, 1839	40-45	20-50					13	9225 - 12685	10870	540
36a	<i>Fragilariopsis cylindrus</i> (Grunow)										
	Krieger, 1954	10-20	5-12								
36b	<i>Fragilariopsis cylindrus</i> (Grunow)										
	Krieger, 1954	30-40	5-12								
36c	<i>Fragilariopsis cylindrus</i> (Grunow)										
	Krieger, 1954	40-50	15-20								
37a	<i>Guinardia cylindrus</i> (Cleve) Hasle, 1996	80-100	10-20								
37b	<i>Guinardia cylindrus</i> (Cleve) Hasle, 1996	100-120	10-25								
37c	<i>Guinardia cylindrus</i> (Cleve) Hasle, 1996	120-150	10-30								
38a	<i>Guinardia delicatula</i> (Cleve) Hasle, 1997	10-20	5-10	4	536 - 1233	603	52				
38b	<i>Guinardia delicatula</i> (Cleve) Hasle, 1997	20-30	10-20	15	530 - 3916	1380	99				
38c	<i>Guinardia delicatula</i> (Cleve) Hasle, 1997	30-40	10-20	17	2161 - 100310	5656	318				
38d	<i>Guinardia delicatula</i> (Cleve) Hasle, 1997	40-50	10-20	6	3731 - 8752	6743	367	2	19968 - 22065	2996	923
38e	<i>Guinardia delicatula</i> (Cleve) Hasle, 1997	55-60	10-20	1	9932	9932	510				
38f	<i>Guinardia delicatula</i> (Cleve) Hasle, 1997	60-70	10-20	1	5676	5676	319				
38g	<i>Guinardia delicatula</i> (Cleve) Hasle, 1997	100-120	10-20					1	63761	63761	2269
39a	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	40-50	20-30	1	47631	47631	1791				
39b	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	50-60	20-45	2	61523 - 71779	66651	2352	2	18081 - 88084	53083	1956
39c	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	60-70	10-50	4	81835 - 94116	85541	2880				

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
39d	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	70-80	30-45	2	93022 - 1182100	105661	3418	2	113346 - 11808	62578	2235
39e	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	80-90	30-45	7	82766 - 117728	94893	3133	3	84777 - 117154	89857	2997
39f	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	100-120	30-45	3	100653 - 174149	116809	3708	5	99768 - 174030	129423	4029
39g	<i>Guinardia flaccida</i> (Castracane)										
	H.Peragallo, 1892	120-140	40-45	3	175534 189032	183090	5338	1	167527	167527	4967
40a	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	20-30	5-10	3	1241 - 1374	1249	93				
40b	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	30-40	10-20	26	1162 - 415499	2342	156	8	2513 - 4810	3502	216
40c	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	40-50	10-20	45	1098 - 10038	2428	160	2	9480 - 11815	10648	531
40d	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	50-60	10-20	18	1443 - 13996	4313	255	3	6142 - 13281	10699	534
40e	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	60-70	10-20	13	2011 - 13778	4313	255				
40f	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	70-80	10-20	13	3365 - 34541	9779	496	8	8024 - 86519	12774	616
40g	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	80-100	10-20	28	12180 - 50634	18122	818	6	9327 - 96296	80551	2743
40h	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	100-120	10-20	27	12981 - 51328	19621	873	3	7138 - 127544	18828	844
40i	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	120-140	10-20	4	18316 - 20436	19376	864	3	18519 - 25147	22695	982
40j	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	140-150	10-20								
41a	<i>Haslea trompii</i> (Cleve)Simonsen, 1974	80-150	20-30								
42a	<i>Haslea wawrikan</i> (Husedt) Simonsen, 1974	150-180	5-15								
42b	<i>Haslea wawrikan</i> (Husedt) Simonsen, 1974	180-200	5-15								
43a	<i>Helicotheca tamesis</i> (Shrubsole)										
	M.Ricard, 1997	60-90	45-85					3	17239 - 81810	29044	1199
43b	<i>Helicotheca tamesis</i> (Shrubsole)										
	M.Ricard, 1997	130-150	120-135					3	83402 - 153945	31012	1265

	<i>W.Smith, 1852</i>	100-110	10-15					1	6246	6246	345
59b	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	110-120	10-15					3	5552 - 10096	1992	137
59c	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	120-130	15-20	1	22817	22817	986	1	21562	21562	942
59d	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	130-140	15-20					4	19451 - 30263	25257	1071
59e	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	140-150	8-20	1	35423	35424	1409	1	32760	2159	146
59f	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	150-160	25-30					1	39006	39006	1523
59g	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	160-170	10-26					2	4926 - 5188	44810	1705
59h	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	200-220	25-32					7	53752 - 94705	83009	2811
59i	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	220-230	25-28					5	79918 - 87390	86115	2896
59j	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	230-240	20-28	1	106938	106938	3452	2	88125 - 100211	94168	3113
59k	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	240-250	30-35					1	132111	132111	4097
59l	<i>Pleurosigma angulatum(Queckett)</i>										
	<i>W.Smith, 1852</i>	250-260	30-35					3	101767 - 122686	118940	3763

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
63e	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	240-280	5-20								
63f	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	280-300	5-20					1	25571	25571	1082
63g	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	320-340	5-20								
63h	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	340-360	5-20								
63i	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	360-380	5-20	1	30144	30144	1236				
63j	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	380-400	5-20	3	28220 - 46972	42022	1618				
63k	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	400-420	5-20					2	42022 - 46972	44497	1695
63l	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	460-480	5-20	1	45403	45403	1723	2	28050 - 45403	45403	1723
63m	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	480-860	5-20	1	28050	28050	1166	1	28050	28050	1166
63n	<i>Proboscia alata</i> (Brightwell)										
	Sundström, 1996	860-880	5-20								
64a	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	280-300	20-30					1	91732	91732	3048
64b	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	300-320	10-15					1	36074	36074	1430

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
64c	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	320-340	10-20					5	40726 - 94474	55771	2036
64d	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	340-380	10-25					9	60136-117190	98504	3229
64e	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	380-400	15-20						85741	85741	2885
64f	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	400-420	5-20					5	22857 - 126617	19953	3536
64g	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	420-450	5-20								
64h	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	450-480	5-20								
64i	<i>Proboscia indica</i> (H.Peragallo)										
	Hernández-Becerril, 1995	860-880	15-20					1	252139	252139	6920
65a	<i>Pseudoguardia recta</i> von Stosch 1996	50-70	30-40								
65b	<i>Pseudoguardia recta</i> von Stosch 1996	70-80	30-40					1	91053	91053	3030
65c	<i>Pseudoguardia recta</i> von Stosch 1996	80-90	30-45					6	74331-117661	80551	2743
65d	<i>Pseudoguardia recta</i> von Stosch 1996	90-100	20-40								
65e	<i>Pseudoguardia recta</i> von Stosch 1996	100-120	20-40					3	48435 - 113356	79754	2721
65f	<i>Pseudoguardia recta</i> von Stosch 1996	120-140	20-40					11	51552 - 136070	65354	2315

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
65g	<i>Pseudoguinaridia recta</i> von Stosch 1996	140-200	20-50								
66a	<i>Pseudo-nitzschia delicatissima</i> (Cleve)										
	Heiden, 1928	60-70	2-5								
67a	<i>Pseudo-nitzschia fraudulenta</i> (Cleve)										
	Hasle, 1993	60 - 70	2-5								
68a	<i>Pseudo-nitzschia multiseriata</i> (Hasle)										
	Hasle, 1995	80-130	2-5								
69a	<i>Pseudo-nitzschia seriata</i> (Cleve)										
	H.Peragallo, 1899	80-120	4-5								
70a	<i>Pseudo-nitzschia</i> spp.	70-150	4-7								
71a	<i>Pseudosolenia calcar-avis</i> (Schultze)										
	B.G.Sundström, 1996	220-235	30-55					2	173882 - 481636	327759	8561
71b	<i>Pseudosolenia calcar-avis</i> (Schultze)										
	B.G.Sundström, 1996	240-245	40-45					2	305759 - 335296	320527	8407
71c	<i>Pseudosolenia calcar-avis</i> (Schultze)										
	B.G.Sundström, 1996	265-275	50-70					2	689369 - 936422	812896	17883
71d	<i>Pseudosolenia calcar-avis</i> (Schultze)										
	B.G.Sundström, 1996	290-300	50-60					2	664851 - 801215	733033	16444
71e	<i>Pseudosolenia calcar-avis</i> (Schultze)										
	B.G.Sundström, 1996	300-315	8-65					11	18152 - 979172	705755	15946
71f	<i>Pseudosolenia calcar-avis</i> (Schultze)										
	B.G.Sundström, 1996	330-340	45-60					7	588173 - 854708	696234	15771

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
76f	<i>Rhizosolenia hebetata</i> f. <i>semispina</i> (Hensen)										
	Gran, 1908	240-260	5-25						77517	77517	2659
76g	<i>Rhizosolenia hebetata</i> f. <i>semispina</i> (Hensen)										
	Gran, 1908	260-280	5-25	1	54424	54425	1996				
76h	<i>Rhizosolenia hebetata</i> f. <i>semispina</i> (Hensen)										
	Gran, 1908	280-300	5-25								
76i	<i>Rhizosolenia hebetata</i> f. <i>semispina</i> (Hensen)										
	Gran, 1908	300-350	5-25								
76j	<i>Rhizosolenia hebetata</i> f. <i>semispina</i> (Hensen)										
	Gran, 1908	350-400	5-25								
76k	<i>Rhizosolenia hebetata</i> f. <i>semispina</i> (Hensen)										
	Gran, 1908	400-450	5-25								
76l	<i>Rhizosolenia hebetata</i> f. <i>semispina</i> (Hensen)										
	Gran, 1908	450-500	5-25								
77a	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	80-100	15-35	1	54294	54294	1992				
77b	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	100-120	15-40								
77c	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	120-140	15-35					3	74327-104390	79780	2722
77d	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	140-160	20-30					6	62498 - 87311	70200	2453
77e	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	160-180	15-35	2	71000	26795	1123	34	32243 - 161506	94989	3135
77f	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	180 - 200	25-35	1	60821	60821	2184	15	72070 - 124134	99698	3261
77g	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	200 - 220	15-40	2	114663	122980	3866	7	98709 - 143724	116867	3709
77h	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	220 - 240	15-40					15	54910 - 190907	127932	3992
77i	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	240 - 260	15-40	1	135292	135292	4177	15	77273 - 29958	136723	4213
77j	<i>Rhizosolenia hyalina</i> Ostenfeld, 1901	260 - 280	15-40					3	133598 - 217661	194760	5613

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
81a	<i>Skeletonema costatum-grevillei</i> complex	5-10	5-15					20	213 - 869	499	44
81b	<i>Skeletonema costatum-grevillei</i> complex	10-15.9	5-20	11	615 - 2372	881	70	147	288 - 2344	1158	88
81c	<i>Skeletonemacostatum-grevillei</i> complex	16 - 21	5-20	39	656 - 30910	1790	125	122	512 - 3813	2080	141
81d	<i>Skeletonema costatum-grevillei</i> complex	21 - 25	5-20	29	782 - 47810	3389	210	4	1073- 2955	2232	150
82a	<i>Thalassionema frauenfeldii</i> (Grunow)										
	Tempère & Peragallo, 1910	200 - 250	5-10								
82b	<i>Thalassionema frauenfeldii</i> (Grunow)										
	Tempère & Peragallo, 1910	250 - 300	5-10								
82c	<i>Thalassionema frauenfeldii</i> (Grunow)										
	Tempère & Peragallo, 1910	300 - 350	5-15								
82d	<i>Thalassionema frauenfeldii</i> (Grunow)										
	Tempère & Peragallo, 1910	350 - 400	5-15								
82e	<i>Thalassionema frauenfeldii</i> (Grunow)										
	Tempère & Peragallo, 1910	400 - 450	5-15								
82f	<i>Thalassionema frauenfeldii</i> (Grunow)										
	Tempère & Peragallo, 1910	450 - 500	5-15								
82g	<i>Thalassionema frauenfeldii</i> (Grunow)										
	Tempère & Peragallo, 1910	500-520	5-20								
83a	<i>Thalassionema nitzschioides</i> (Grunow)										
	Mereschkowsky, 1902	15 - 20	2-5					4	117 - 200	192	20
83a	<i>Thalassionema nitzschioides</i> (Grunow)										
	Mereschkowsky, 1902	20 - 25	3-6	5	295 - 518	478	43	11	169 - 512	512	45

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
83o	<i>Thalassionema nitzschioides</i> (Grunow)										
	Mereschkowsky, 1902	130 - 160	3-8	3	2774 - 8777	2995	190	1	4317	3459	214
83p	<i>Thalassionema nitzschioides</i> (Grunow)										
	Mereschkowsky, 1902	160 - 180	5-10					1	4069	3551	218
84a	<i>Thalassionema javanicum</i> (Grunow) G.R.Hasle	150-200	5-20								
85a	<i>Thalassionema pseudonitzschiodes</i>										
	(G.Schuette & H.Schrader) G.R.Hasle	150-200	5-20								
86a	<i>Thalassiosira eccentrica</i> (Ehrenberg)										
	Cleve, 1904	20 - 25	5-15					12	3271 - 7176	4562	267
86b	<i>Thalassiosira eccentrica</i> (Ehrenberg)										
	Cleve, 1904	25 - 30	10-20					5	6004 - 11501	9590	488
86c	<i>Thalassiosira eccentrica</i> (Ehrenberg)										
	Cleve, 1904	30 - 35	10-20					7	8997 - 18897	10840	539
86d	<i>Thalassiosira eccentrica</i> (Ehrenberg)										
	Cleve, 1904	35 - 40	25-30					8	9381 - 28583	35467	1410
86e	<i>Thalassiosira eccentrica</i> (Ehrenberg)										
	Cleve, 1904	40 - 45	10-25					3	15699 - 38246	32670	1319
86f	<i>Thalassiosira eccentrica</i> (Ehrenberg)										
	Cleve, 1904	45 - 50	10-30					4	18247 - 47888	32959	1329
86g	<i>Thalassiosira eccentrica</i> (Ehrenberg)										
	Cleve, 1904	50 - 60	10-15					1	32006	32006	1298
87a	<i>Thalassiosira gravida</i> Cleve, 1896	100-120	30-50								
88a	<i>Thalassiosira punctigera</i> (Castracane)										
	Hasle, 1993	30 - 35	10-15								
88b	<i>Thalassiosira punctigera</i> (Castracane)										
	Hasle, 1993	35 - 40	25-30					1	35467	35467	1410

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
100a	<i>Ceratocorys armata</i> (Schütt) Kofoid, 1910	100-200									
101a	<i>Ceratocorys horrida</i> Stein, 1883	50-100									
101b	<i>Ceratocorys horrida</i> Stein, 1883	100-200									
102a	<i>Ceratocorys reticulata</i> H.W.Graham, 1942	100-200									
103a	<i>Citharistes regius</i> Stein, 1883	30-45	35-45								
104a	<i>Cochlodinium polykrikoides</i> Margalef, 1961	20-40	20-30								
105a	<i>Corythodinium cristatum</i> (Kofoid) F.J.R.Taylor, 1976	50-100	40-70								
106a	<i>Corythodinium tessellatum</i> (Stein) Loeblich Jr. & Loeblich III, 1966	50-100	40-70								
107a	<i>Dinophysis acuta</i> Ehrenberg, 1839	35-45	15-25	19	3481 - 8709	8709	1082	3	10107 - 11059	10941	1340
108a	<i>Dinophysis argus</i> (Stein) Abé	80-100	80-100								
109a	<i>Dinophysis caudata</i> Saville-Kent, 1881	60-70	40-50	3	29264 - 34729	31954	3666	3	30053 - 31862	31360	3602
109b	<i>Dinophysis caudata</i> Saville-Kent, 1881	70-80	40-55					2	35203 - 39073	37138	4222
110a	<i>Dinophysis exigua</i> Kofoid & Skogsberg, 1928	30-40	20-40								
111f	<i>Dinophysis fortii</i> Pavillard, 1923	30-50	20-50								
112a	<i>Dinophysis hastata</i> Stein, 1883	80-100	70-90								
113a	<i>Dinophysis miles</i> Cleve 1900	110 - 120									
113a	<i>Dinophysis miles</i> Cleve, 1900	120 - 130									
113b	<i>Dinophysis miles</i> Cleve, 1900	130 - 140									
113c	<i>Dinophysis miles</i> Cleve, 1900	140 - 150									
113d	<i>Dinophysis miles</i> Cleve, 1900	150 - 160									
113e	<i>Dinophysis miles</i> Cleve, 1900	160 - 170									
114a	<i>Dinophysis schuettii</i> Murray & Whitting, 1899	20-50	20-40								
115a	<i>Diplopsalis lenticula</i> Bergh, 1881	20-40	30-50					9	7412 - 54743	30071	3463

Appendix 1B continued											
A	B	C	D	E	F	G	H	I	J	K	L
159a	<i>Protooperidinium divergens</i> (Ehrenberg, 1840)										
	Balech, 1974	50-70	50-75					9	45053 - 97583	55570	6164
159b	<i>Protooperidinium divergens</i> (Ehrenberg, 1840)										
	Balech, 1974	70-100	50-100								
160a	<i>Protooperidinium elegans</i> (Cleve, 1900)										
	Balech, 1974	160-230	170-220								
161a	<i>Protooperidinium heteracanthum</i> (Dangeard)										
	Balech	70-85	60-70								
162a	<i>Protooperidinium inflatum</i> (Okamura, 1912)										
	Balech, 1974	110-120	100-110								
162b	<i>Protooperidinium inflatum</i> (Okamura, 1912)										
	Balech, 1974	120-130	75-85								
162c	<i>Protooperidinium inflatum</i> (Okamura, 1912)										
	Balech, 1974	130-140	75-85								
163a	<i>Protooperidinium latispinum</i> (Mangin, 1926)										
	Balech, 1974	80 - 100	70-80								
163b	<i>Protooperidinium latispinum</i> (Mangin, 1926)										
	Balech, 1974	100-120	80-90								
163c	<i>Protooperidinium latispinum</i> (Mangin, 1926)										
	Balech, 1974	120-140	80-100								
164a	<i>Protooperidinium latissimum</i> (Kofoid, 1907)										
	Balech, 1974	50-60	70-80					7	76680 - 101403	95568	10056
164b	<i>Protooperidinium latissimum</i> (Kofoid, 1907)										
	Balech, 1974	60-70	80-90					19	94796 - 179073	120478	12748

Appendix 2: Comparison of average cell volume ($\mu\text{m}^3 \times 10^4$) of the present study (Northern Indian Ocean) with different geographical regions. The species denoted with (*) were common to all the 4 regions. The columns (A-E) denote, A - serial number; B - Species; C - Present study (Northern Indian Ocean); D - Olenina et al. 2006 (Northern Atlantic), E - ki Tai Kim 1995 (Mediterranean); F - Sun et al. 2000 (Pacific); G - Barton et al. 2013 (Northern Atlantic).

A	B	C	D	E	F	G
1	<i>Asterionellopsis glacialis</i> (Castracane) Round, 1990	0.5248				
2	<i>Asterolampra marylandrica</i> Ehrenberg 1844	7.9288				
3	<i>Azpeitia nodulifera</i> (A.W.F.Schmidt) G.A.Fryxell & P.A.Sims, 1996	26.0188			1.2000	
4	<i>Bacteriastrum furcatum</i> Shadbolt 1854	0.6176			0.3000	
5	<i>Bacteriastrum hyalinum</i> Lauder 1864	1.5064		1.0454		
6	<i>Chaetoceros affinis</i> Lauder 1864	0.2730	0.1085	0.6082		
7	<i>Chaetoceros castracanei</i> Karsten 1905	0.9428		0.8954		
8	<i>Chaetoceros coarctatus</i> Lauder 1864	4.4792				
9	<i>Chaetoceros concavicornis</i> Mangin 1917	0.8723				
10	<i>Chaetoceros convolutus</i> Castracane 1886	1.9337				
11	<i>Chaetoceros curvisetus</i> Cleve 1889	0.1547		0.6800	0.1600	
12	<i>Chaetoceros decipiens</i> Cleve 1873	0.1494	1.2492	2.5447	0.6300	
13	<i>Chaetoceros diversus</i> Cleve 1873	0.1644				
14	<i>Chaetoceros furcellatus</i> Yendo, 1911	0.6496				
15	<i>Chaetoceros lacinosus</i> F.Schütt 1895	0.0448	0.2206	1.6336	0.6500	
16	<i>Chaetoceros lauderi</i> Ralfs, 1864	0.2238	0.5313	0.6609	0.7500	
17	<i>Chaetoceros lorenzianus</i> Grunow 1863	0.7564	0.9656	4.3825	0.9300	
18	<i>Chaetoceros messanense</i> Castracane 1875	0.1788			0.6000	

Appendix 2 continued						
A	B	C	D	E	F	G
19	<i>Chaetoceros peruvianus</i> Brightwell 1856	1.0827			0.3000	
20	<i>Chaetoceros simplex</i> Ostenfeld 1902	0.1533				
21	<i>Chaetoceros subtilis</i> Cleve 1896	0.1532				
22	<i>Climacodium frauenfeldianum</i> Grunow 1868	3.4374				0.6918
23	<i>Corethron pennatum</i> (Castracane) Ostenfeld, 1909	4.2206				5.1286
24	<i>Coscinodiscus concinnus</i> W.Smith, 1856	103.7346	339.1472			467.7351
25	<i>Coscinodiscus gigas</i> Ehrenberg, 1841	31.0523		6126.7538		
26	<i>Coscinodiscus granii</i> Gough, 1905	70.8761	208.0087			
27	<i>Coscinodiscopsis jonesiana</i> (Greville) E.A.Sar & I.Sunesen, 2008	442.6504				
28	<i>Coscinodiscus marginatus</i> Ehrenberg, 1844	12.0432				
29	<i>Coscinodiscus radiatus</i> Ehrenberg, 1840	97.8533	21.9440	343.8957	3.0400	
30	<i>Dactyliosolen fragilissimus</i> (Bergon) Hasle, 1996	6.1458	2.5139			1.6982
31	<i>Detonula pumila</i> (Castracane) Gran, 1900	1.1596				
32	<i>Ditylum brightwellii</i> (T.West) Grunow, 1885 *	17.3332	4.6603	12.3889	10.6000	7.5858
33	<i>Eucampia cornuta</i> (Cleve) Grunow, 1883	0.9229				
34	<i>Eucampia groenlandica</i> Cleve 1896	2.2560				
35	<i>Eucampia zodiacus</i> Ehrenberg 1839	0.8497	0.2708			1.2023
36	<i>Fragilariopsis cylindrus</i> (Grunow) Krieger, 1954	0.2181				
37	<i>Guinardia cylindrus</i> (Cleve) Hasle, 1996	5.6829			1.2000	
38	<i>Guinardia delicatula</i> (Cleve) Hasle, 1997 *	0.8725	0.5037	1.9096	0.7000	1.0000

Appendix 2 continued						
A	B	C	D	E	F	G
39	<i>Guinardia flaccida</i> (Castracane) H.Peragallo, 1892	11.2419	11.4394	17.1806		13.1826
40	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	1.8932		17.6714		
41	<i>Haslea trompii</i> (Cleve) Simonsen, 1974	3.8839				
42	<i>Haslea wawrikan</i> (Hustedt) Simonsen, 1974	0.2342				
43	<i>Helicotheca tamesis</i> (Shrubsole) M.Ricard, 1997	8.9973				
44	<i>Hemiaulus hauckii</i> Grunow ex Van Heurck, 1882	1.0661			2.7000	
45	<i>Hemiaulus indicus</i> Cleve 1873	2.0536				
46	<i>Hemiaulus membranaceus</i> Cleve	4.5428				
47	<i>Hemidiscus cuneiformis</i> Wallich, 1860	722.8434				
48	<i>Lauderia annulata</i> Cleve 1873 *	3.0136	3.0854	5.3223	2.5000	
49	<i>Leptocylindrus danicus danicus</i> Cleve 1889 *	0.2206	0.1339	0.6322	0.1800	0.1995
50	<i>Leptocylindrus minimus</i> Gran 1915	0.0293	0.0155			
51	<i>Lioloma pacificum</i> (Cupp) Hasle, 1996	2.5600				
52	<i>Mastogloia rostrata</i> (Wallich) Hustedt 1933	0.9287				
53	<i>Meuniera membranacea</i> (Cleve) P.C.Silva, 1996	2.4157		3.3697		2.4547
54	<i>Navicula transitans</i> var. <i>derasa</i> (Grunow) Cleve 1883	0.2535				
55	<i>Neocalyptrella robusta</i> (G.Norman ex Ralfs) Hernández-Becerril & Meave del Castillo, 1997	592.9765		1582.3024		
56	<i>Odontella aurita</i> (Lyngbye) C.Agardh, 1832	3.9010	2.1760		7.4000	3.5481
57	<i>Odontella sinensis</i> (Greville) Grunow, 1884	52.7078	100.0875	341.1260		112.2018
58	<i>Planktoniella sol</i> (C.G.Wallich) Schütt, 1892	29.3785				7.0795

Appendix 2 continued						
A	B	C	D	E	F	G
59	<i>Pleurosigma angulatum</i> (Queckett) W.Smith, 1852	6.6324				
60	<i>Pleurosigma directum</i> Grunow, 1880	0.9883				
61	<i>Pleurosigma elongatum</i> W.Smith,1852	0.2188				
62	<i>Pleurosigma normanii</i> Ralfs,1861	0.9000				
63	<i>Proboscia alata</i> (Brightwell) Sundström 1996	4.6261		6.3612	1.1000	
64	<i>Proboscia indica</i> (H.Peragallo) Hernández-Becerril, 1995	15.5470		178.0560	3.1000	16.5959
65	<i>Pseudoguinardia recta</i> von Stosch 1996	8.2134				
66	<i>Pseudo-nitzschia delicatissima</i> (Cleve) Heiden, 1928	0.0288	0.0157			
67	<i>Pseudo-nitzschia fraudulenta</i> (Cleve) Hasle, 1993	0.0847				
68	<i>Pseudo-nitzschia multiseriata</i> Hasle, G.R. 1995	0.4007				
69	<i>Pseudo-nitzschia seriata</i> (Cleve) H.Peragallo, 1899	0.3311	0.4708		0.2100	
70	<i>Pseudonitzschia</i> spp.	0.4145				
71	<i>Pseudosolenia calcar-avis</i> (Schultze) B.G.Sundström, 1986	99.9256		229.0221	100.0000	33.1131
72	<i>Rhizosolenia bergonii</i> H.Peragallo, 1892	18.9556				46.7735
73	<i>Rhizosolenia borealis</i> Sundström 1986	2352.7387				
74	<i>Rhizosolenia castracanei</i> H.Peragallo, 1888	5347.4318				
75	<i>Rhizosolenia crassa</i> Schimper, 1905	35.8976				
76	<i>Rhizosolenia formosa</i> H.Peragallo 1888	211.7313				
77	<i>Rhizosolenia hebetata</i> f. <i>semispina</i> Gran, 1908 *	16.4794	4.7874	1.1309	2.1000	7.0795
78	<i>Rhizosolenia hyalina</i> Ostenfeld & Schmidt 1901	11.0943				

Appendix 2 continued						
A	B	C	D	E	F	G
79	<i>Rhizosolenia imbricata</i> Brightwell, 1858	19.7928		155.5088	4.2000	
80	<i>Rhizosolenia setigera</i> Brightwell, 1858 *	6.0076	25.1541	0.6654	0.6800	19.9526
81	<i>Skeletonema costatum-grevillei</i> complex (Greville, 1865)	0.1643	0.0372		0.0310	
82	<i>Thalassionema frauenfeldii</i> (Grunow) Tempère & Peragallo, 1910	2.2836		0.6305	0.2800	
83	<i>Thalassionema javanicum</i> (Grunow) G.R.Hasle	0.3500				
84	<i>Thalassionema nitzschioides</i> (Grunow) Mereschkowsky 1902 *	0.1346	0.0962	0.1734	0.0530	0.0891
85	<i>Thalassionema pseudonitzschioides</i> (G.Schuette & H.Schrader) G.R.Hasle	0.5600				
86	<i>Thalassiosira eccentrica</i> (Ehrenberg) Cleve 1904	3.8571	18.7311			
87	<i>Thalassiosira gravida</i> Cleve, 1896	1.9242	1.6632			
88	<i>Thalassiosira punctigera</i> (Castracane) Hasle 1983	46.0278	6.9620			
89	<i>Thalassiothrix longissigma</i> Cleve & Grunow 1880	4.2375				
90	<i>Trieres mobiliensis</i> (J.W.Bailey) Ashworth & Theriot, 2013	4.7677	11.8692		14.5000	31.6228
	Dinoflagellates					
91	<i>Akashiwo sanguinea</i> (K.Hirasaka) G.Hansen & Ø.Moestrup, 2000	0.8600				
92	<i>Alexandrium catenella</i> (Whedon & Kofoed) Balech, 1985	4.8255				
93	<i>Amphidinium carterae</i> Hulburt, 1957	3.6047				
94	<i>Amphidinium sphenoides</i> Wülff, 1916	2.5133				
95	<i>Amphisolenia bidentata</i> Schröder, 1900	356.9031				42.6580
96	<i>Amphisolenia globifera</i> Stein, 1883	1.6701				

Appendix 2 continued						
A	B	C	D	E	F	G
97	<i>Archaeoperidinium minutum</i> (Kofoid) Jørgensen, 1912	1.8743	3.3773			
98	<i>Azadinium caudatum</i> (Halldal) Nézan & Chomérat, 2012	4.1013				
99	<i>Blepharocysta denticula</i> Nie, 1939	8.9274				
100	<i>Ceratocorys armata</i> (Schütt) Kofoid, 1910	19.0590				
101	<i>Ceratocorys horrida</i> Stein 1883	25.8707				
102	<i>Ceratocorys reticulata</i> H.W.Graham, 1942	52.6497				
103	<i>Citharistes regius</i> Stein, 1883	1.6562				
104	<i>Cochlodinium polykrikoides</i> Margalef, 1961	1.4283				
105	<i>Corythodinium tessellatum</i> (Stein) Loeblich Jr. & Loeblich III, 1966	1.6507				
106	<i>Corythodinium cristatum</i> (Kofoid) F.J.R.Taylor 1756	1.6785				
107	<i>Dinophysis acuta</i> Ehrenberg, 1839	0.6787	6.3750			
108	<i>Dinophysis argus</i> (Stein) Abé	23.5283				
109	<i>Dinophysis caudata</i> Saville-Kent, 1881	4.6142			5.8000	
110	<i>Dinophysis exigua</i> Kofoid & Skogsberg, 1928	1.0941				
111	<i>Dinophysis fortii</i> Schütt 1895	2.0746				
112	<i>Dinophysis hastata</i> Stein, 1883	20.6471				
113	<i>Dinophysis miles</i> Cleve, 1900	16.0099				
114	<i>Dinophysis schuetii</i> Murray & Whitting, 1899	36.4425				
115	<i>Diplopsalis lenticula</i> Bergh, 1881	22.5191				
116	<i>Goniodoma sphaericum</i> Murray & Whitting 1899	11.9911				
117	<i>Gonyaulax fusiformis</i> H.W.Graham, 1942	13.1732				
118	<i>Gonyaulax minuta</i> Kofoid & Michener, 1911	0.5063				

Appendix 2 continued						
A	B	C	D	E	F	G
119	<i>Gonyaulax polygramma</i> Stein, 1883	5.8511	1.0590			
120	<i>Gonyaulax rotundata</i> Rampi, 1951	2.6376				
121	<i>Gonyaulax spinifera</i> (Claparède & Lachmann) Diesing, 1866	2.4373	1.7908			
122	<i>Gotius abei</i> K.Matsuoka, 1998	0.7134				
123	<i>Gymnodinium</i> spp.	1.9157				
124	<i>Heterocapsa niei</i> (Loeblich III) Morrill & Loeblich III, 1991	0.0539				
125	<i>Heterocapsa triquetra</i> (Ehrenberg) Stein, 1883	0.1696				
126	<i>Heterodinium milneri</i> (Murray & Whitting) Kofoid 1906	2.9322				
127	<i>Karenia brevis</i> (C.C.Davis) Gert Hansen & Ø.Moestrup, 2000	2.7706				
128	<i>Noctiluca scintillans</i> (Macartney) Kofoid & Swezy, 1921	44973.0442	23445.3333			
129	<i>Ornithocercus magnificus</i> Stein, 1883	4.9846				
130	<i>Ornithocercus steinii</i> Schütt 1900	41.4460				
131	<i>Ornithocercus thumii</i> Kofoid & Skogsberg, 1928	42.3637				
132	<i>Oxytoxum laticeps</i> Schiller, 1937	0.0249				
133	<i>Oxytoxum parvum</i> Schiller 1937	0.7713				
134	<i>Oxytoxum scolopax</i> Stein, 1883	0.8437			3.9000	
135	<i>Phalacroma cuneus</i> F.Schütt, 1895	48.1350				
136	<i>Phalacroma rapa</i> Jorgensen, 1923	14.4451				
137	<i>Phalacroma rotundatum</i> (Claparède & Lachmann) Kofoid & Michener 1911	1.4012				
138	<i>Podolampas bipes</i> Stein, 1883	10.7662				
139	<i>Podolampas palmipes</i> Stein, 1883	2.0123				

Appendix 2 continued						
A	B	C	D	E	F	G
140	<i>Podolampas spinifera</i> Okamura, 1912	0.3908				
141	<i>Prorocentrum belizeanum</i> M.A.Faust, 1763	0.9215				
142	<i>Prorocentrum concavum</i> Y.Fukuyo, 1991	1.3744				
143	<i>Prorocentrum cordatum</i> J.D.Dodge, 1755	0.3111				
144	<i>Prorocentrum gracile</i> Schütt, 1895	1.6081				
145	<i>Prorocentrum lenticulatum</i> (Matzenauer) F.J.R.Taylor, 1976	1.1943				
146	<i>Prorocentrum micans</i> Ehrenberg, 1834	1.0180	2.0293	1.1550	0.4300	
147	<i>Prorocentrum oblongum</i> (Schiller) Ab-	2.8310				
148	<i>Prorocentrum ovum</i> (Schiller) J.D.Dodge, 1975	2.2878				
149	<i>Prorocentrum rhathymum</i> Sherley & Schmidt, 1759	1.8079				
150	<i>Preperidinium meunieri</i> (Pavillard) Elbrächter, 1993	12.6707				
151	<i>Protoperidinium abei</i> (Paulsen, 1931) Balech, 1974	10.5342				
152	<i>Protoperidinium biconicum</i> (P.-A.Dangeard,1927) Balech, 1974	2.6747				
153	<i>Protoperidinium brevipes</i> (Paulsen, 1908) Balech, 1974	1.3429	1.4502			
154	<i>Protoperidinium conicum</i> (Gran, 1900) Balech, 1974	3.3422	15.4717	8.6057		
155	<i>Protoperidinium crassipes</i> (Kofoid, 1907) Balech, 1974	4.4502				
156	<i>Protoperidinium crassum</i> Balech, 1971	1.5359				
157	<i>Protoperidinium curtipes</i> (Jørgensen, 1912) Balech 1974	18.0560	13.4628			
158	<i>Preperidinium diabolium</i> (Cleve,1900) Balech, 1974	15.9184				
159	<i>Protoperidinium divergens</i> (Ehrenberg, 1840) Balech 1974	17.3620	10.2618			

Appendix 2 continued						
A	B	C	D	E	F	G
160	<i>Protooperidinium elegans</i> (Cleve, 1900) Balech 1974	185.6128				
161	<i>Protooperidinium heteracanthum</i> (Dangeard) Balech	8.8834				
162	<i>Protooperidinium inflatum</i> (Okamura, 1912) Balech, 1974	23.9443				
163	<i>Protooperidinium latispinum</i> (Mangin, 1926) Balech, 1974	23.0056				
164	<i>Protooperidinium latissimum</i> (Kofoid, 1907) Balech, 1974	12.5711				
165	<i>Protooperidinium leonis</i> (Pavillard, 1916) Balech, 1974	3.1352	3.9564			
166	<i>Protooperidinium minutissimum</i> (L. Mangin 1926) Balech, 1974	0.2198				
167	<i>Protooperidinium oceanicum</i> (VanHöffen, 1897) Balech, 1974	36.1038			74.0000	
168	<i>Protooperidinium oviforme</i> (Dangeard, 1927) Balech, 1974	2.5316				
169	<i>Protooperidinium ovum</i> (Schiller, 1911) Balech, 1974	11.6627				
170	<i>Protooperidinium pellucidum</i> Bergh, 1881	1.6065	2.8398			
171	<i>Protooperidinium pentagonum</i> (Gran, 1902) Balech, 1974	9.0607	5.2752	4.0453		
172	<i>Protooperidinium pyriforme</i> (Paulsen, 1905) Balech, 1974	4.3828	2.9307			
173	<i>Protooperidinium steinii</i> (Jørgensen, 1899) Balech, 1974	2.2010	16.6100			
174	<i>Protooperidinium subinermis</i> (Paulsen) Loeblich III, 1969	7.3203	2.8793			
175	<i>Pyrocystis elegans</i> Pavillard, 1931	7.0686				
176	<i>Pyrocystis fusiformis</i> C.W.Thomson, 1876	6.6977				
177	<i>Pyrocystis hamulus</i> var. <i>hamulus</i> Cleve 1900	401.6105				
178	<i>Pyrocystis lunula</i> (Schütt) Schütt, 1896	1243.6742				

Appendix 2 continued						
A	B	C	D	E	F	G
179	<i>Pyrocystis pseudonocutiluca</i> Wyville-Thompson, 1876	2142.5134				
180	<i>Pyrocystis robusta</i> Kofoid, 1907	3.3510				
181	<i>Pyrophacus steinii</i> (Schiller) Wall & Dale, 1971	9.9089		5.6549		
182	<i>Scrippsiella trochoidea</i> Loeblich III, 1976	0.8525	0.5505			
183	<i>Triadinium polyedricum</i> (Pouchet) Dodge, 1991	16.1128				
184	<i>Tripos azoricus</i> (Cleve) F.Gómez, 2013	4.4887				6.3096
185	<i>Tripos buceros</i> (Zacharias) F.Gómez, 2013	8.1124				2.1878
186	<i>Tripos candelabrus</i> (Ehrenberg) F.Gómez, 2013	4.3768				
187	<i>Tripos carriensis</i> (Gourret) F.Gómez, 2013	10.5976				19.4984
188	<i>Tripos coarctus</i> (Pavillard) F.Gómez, 2013	4.4305				
189	<i>Tripos contortus</i> (Zacharias) F.Gómez, 2013	8.5518				
190	<i>Tripos contrarius</i> (Gourret) F.Gómez, 2013	6.7761				
191	<i>Tripos declinatus</i> (G.Karsten) F.Gómez, 2013	4.9345				4.3652
192	<i>Tripos deflexus</i> (Kofoid) F.Gómez, 2013	5.4903				
193	<i>Tripos digitatus</i> (F.Schütt) F.Gómez, 2013	103.9038				
194	<i>Tripos extensus</i> (Gourret) F.Gómez, 2013	24.4344			4.6000	25.1189
195	<i>Tripos furca</i> (Ehrenberg) F.Gómez, 2013	2.8585	5.1667	1.9457		5.3703
196	<i>Tripos fusus</i> (Ehrenberg) F.Gómez, 2013 *	3.7485	1.9500	1.2840	1.4000	5.0119
197	<i>Tripos gibberus</i> (Gourret) F.Gómez, 2013	7.4404				31.6228

Appendix 2 continued						
A	B	C	D	E	F	G
198	<i>Tripes gravidus</i> (Gourret) F.Gómez, 2013	668.8196				
199	<i>Tripes hexacanthus</i> (Gourret) F.Gómez, 2013	9.3253				46.7735
200	<i>Tripes horridus</i> (Cleve) F.Gómez, 2013	1.8117	8.1211			14.4544
201	<i>Tripes inflatus</i> (Karsten) F.Gómez, 2013	11.2468				2.3988
202	<i>Tripes kofoidii</i> (Jörgenen) F.Gómez, 2013	0.5568			2.0000	3.0903
203	<i>Tripes limulus</i> (Pouchet) F.Gómez, 2013	3.5883				
204	<i>Tripes lunula</i> (Schimper ex Karsten) F.Gómez, 2013	43.2716				
205	<i>Tripes macroceros</i> (Ehrenberg) F.Gómez, 2013	3.9073	5.0629			4.6774
206	<i>Tripes massiliensis</i> (Gourret) F.Gómez, 2013	15.5693			11.0000	15.1356
207	<i>Tripes massiliensis f.armatus</i> (Karsten) F.Gómez, 2013	7.0373				
208	<i>Tripes muelleri</i> Bory de Saint-Vincent, 1824 *	5.4338	10.2700	1.2115	20.2000	11.2202
209	<i>Tripes pentagonus</i> (Gourret) F.Gómez, 2013	4.5960				11.4815
210	<i>Tripes platycornis</i> (Daday) F.Gómez, 2013	54.4047				
211	<i>Tripes praelongus</i> (Lemmermann) F.Gómez, 2013	141.9549				
212	<i>Tripes pulchellus</i> (Schröder) F.Gómez, 2013	6.5312				8.9125
213	<i>Tripes ranipes</i> (Cleve) F.Gómez, 2013	13.3982			7.2000	
214	<i>Tripes schrankii</i> (Kofoid) F.Gómez, 2013	14.2614				
215	<i>Tripes symmetricus</i> (Pavillard) F.Gómez, 2013	3.5602			11.7000	
216	<i>Tripes teres</i> (Kofoid) F.Gómez, 2013	2.7318				4.5709
217	<i>Tripes trichoceros</i> (Ehrenberg) F.Gómez, 2013	3.4261				2.6915
218	<i>Tripes vultur</i> (Cleve) F.Gómez, 2013	9.4990				11.7490
219	<i>Tryblionella compressa</i> (J.W.Bailey) M.Poulin, 1990	1.5348				

Appendix 3. Comparison of cell volume measured using Image analysis software (Q-Capture Pro 7) and Ocular micrometer. Columns left to right (A to J) denote, A - Serial number ; B - Species; C and E are the average values of cell volume; D and F are the number of cells (N) measured using Image Analysis and Ocular micrometer; G - represents Coefficient of Variation (CV%)

of cell volume. H and I represent Cell carbon (pg carbon cell⁻¹) obtained from the average values of cell volume measured by Image

Analysis (Q-Capture Pro 7, Olympus Inc) and Ocular micrometer respectively. The J column denotes coefficient of variation (CV %)

of Cell carbon.

Appendix 3									
A	B	C	D	E	F	G	H	I	J
	Diatoms								
1	<i>Astramphalus marylandrica</i> Ehrenberg, 1844	63361	11	54595	7	10.5	2221	1952	9.1
2	<i>Bacteriastrum furcatuum</i> Shadbolt, 1854	44410	5	46289	3	2.9	1692	1747	2.3
3	<i>Chaetoceros concavicornis</i> Mangin, 1917	19080	3	17671	3	5.4	852	802	4.3
4	<i>Chaetoceros messanense</i> Castracane, 1875	1615	1	1532	1	3.7	115	110	3.0
5	<i>Chateoceros lauderi</i> Ralfs, 1864	3476	2	2749	2	16.5	214	177	13.4
6	<i>Climacodium frauenfeldianum</i> Grunow, 1868	26077	9	35149	6	21.0	1089	1348	15.0
7	<i>Dactyliosolen fragilissimus</i> (Bergon) Hasle, 1996	110030	9	104725	9	3.5	3296	3190	2.3
8	<i>Eucampia groenlandrica</i> Cleve, 1896	70121	2	77926	2	7.5	2451	2670	6.0
9	<i>Eucampia zodiacus</i> Ehrenberg, 1839	69699	11	71365	7	1.7	2433	2481	1.4
10	<i>Fragilariopsis cylindrus</i> (Grunow) Krieger, 1954	27475	3	27423	3	0.1	1144	1142	0.1
11	<i>Guinardia cylindrus</i> (Cleve) Hasle, 1996	14742	2	14444	2	1.4	692	681	1.2
12	<i>Guinardia striata</i> (Stolterfoth) Hasle, 1996	3946	3	4369	3	7.2	237	257	5.7
13	<i>Helicotheca tamenses</i> (Shrubsole) M.Ricard, 1987	616995	3	662508	3	5.0	14287	15138	4.1
14	<i>Hemialus membranaceus</i> Cleve, 1873	25820	9	22449	9	9.9	1086	963	8.5
15	<i>Meuineria membrenecia</i> (Cleve) P.C.Silva, 1996	57700	4	56521	4	1.5	2088	2055	1.1
16	<i>Pinnularia rectangulata</i> Ehrenberg, 1843	2477	2	2062	2	13.0	163	140	10.5
17	<i>Planktonella sol</i> (C.G.Wallich) Schütt, 1892	395799	10	320099	8	15.0	9646	8078	12.5

Appendix 3 Continued										
A	B	C	D	E	F	G	H	I	J	
18	<i>Pleurosigma elongatum</i> W.Smith, 1852	5507	1	5938	1	5.3	311	331	4.3	
19	<i>Proboscia alata</i> (Brightwell) Sundström, 1986	21449	3	22345	3	2.9	936	967	2.3	
20	<i>Proboscia indica</i> (H.Peragallo)Hernández-Becerril, 1995	260174	8	242882	8	4.9	6786	6396	4.2	
21	<i>Pseudoguinardia recta</i> von Stosch, 1986	103262	3	99811	3	2.4	3353	3263	1.9	
22	<i>Rhizosolenia bergonii</i> H.Peragallo, 1892	238909	7	203538	5	11.3	6530	5709	9.5	
23	<i>Rhizosolenia imbricata</i> Brightwell, 1858	271195	7	265780	7	1.4	7337	7218	1.2	
24	<i>Rhizosolenia setigera</i> Brightwell, 1858	175406	2	165584	2	4.1	4882	4649	3.5	
25	<i>Thalassionema frauenfeldii</i> (Grunow)Tempère & Peragallo, 1910	8059	2	6394	2	16.3	424	351	13.2	
26	<i>Thalassiosira eccentrica</i> (Ehrenberg) Cleve, 1904	63513	4	65529	4	2.2	2262	2319	1.7	
27	<i>Thalassiosira punctigera</i> (Castracane) Hasle, 1983	52275	7	50036	7	3.1	1898	1828	2.6	
	Dinoflagellates									
28	<i>Dinophysis hastata</i> Stein, 1883	22778	3	18326	3	15.3	2668	2175	14.4	
29	<i>Gyrodinium</i> sp.Kofoid & Swezy, 1921	9378	3	9521	3	1.1	1159	1176	1.0	
30	<i>Ornithocercus steinii</i> Schütt, 1900	402931	5	400200	5	0.5	39560	39295	0.5	
31	<i>Ornithocercus magnificus</i> Stein, 1883	36136	5	35244	5	1.8	4100	4005	1.7	
32	<i>Oxytoxum scolopax</i> Stein, 1883	8017	3	7499	3	4.7	1001	940	4.4	
33	<i>Prorocentrum micans</i> Ehrenberg, 1834	3157	4	3007	4	3.4	417	398	3.2	
34	<i>Phalacroma rotundatum</i> (Claparède & Lachmann) Kofoid & Michener, 1911	11160	3	10832	3	2.1	1365	1327	2.0	
35	<i>Tripes furca</i> (Ehrenberg) F.Gómez, 2013	25553	5	17009	5	28.4	2967	2021	26.8	
36	<i>Tripes fusus</i> (Ehrenberg) F.Gómez, 2013	40042	3	39706	3	0.6	4530	4495	0.5	
37	<i>Scrippsiella trochoidea</i> (Stein) Loeblich III, 1976	11330	3	11562	3	1.4	1378	1406	1.4	
38	<i>Tryblionella compressa</i> (J.W.Bailey) M.Poulin, 1990	7462	5	7756	5	2.7	934	968	2.5	