

Supporting Information

Taxonomic listing and mean values of abundance (cells/L) of phytoplankton species during the year 2009 in Cienfuegos Bay, Cuba.

Lista taxonômica e valores médios de abundancia (cél./L) das espécies do fitoplâncton durante o ano 2009 na Baía de Cienfuegos, Cuba.

	April	June	September	November
DIATOMS				
<i>Aulacoseira granulata</i>			1.21x10 ²	
<i>Azpeitia nodulifera</i>				6.26x10 ²
<i>Chaetoceros affinis</i>		6.56x10 ²	2.52x10 ²	3.87x10 ²
<i>Chaetoceros compressus</i>	8.38x10 ²	2.81x10 ²		31
<i>Chaetoceros curvisetus</i>		3.38x10 ²		
<i>Chaetoceros lorenzianus</i>	2.78x10 ²	9.84x10 ²	2.25x10 ²	2.69x10 ²
<i>Chaetoceros peruvianus</i>		3.03x10 ³		
<i>Chaetoceros subtilis</i>		70		
<i>Chaetoceros rostratus</i>		2.34x10 ²	2.81x10 ²	
<i>Cerataulina pelagica</i>		1.31x10 ⁴	3.05x10 ³	
<i>Coscinodiscus centralis</i>		4.05x10 ³		
<i>Cyclotella</i> sp.	7.58x10 ²	1.35x10 ⁴	8.23x10 ⁵	
<i>Cylindrotheca closterium</i>	4.98x10 ²	2.30x10 ²	1.23x10 ⁴	
<i>Dactyliosolen fragilissimus</i>		7.48x10 ⁴	2.11x10 ⁶	
<i>Guinardia striata</i>		1.37x10 ³		
<i>Hemiaulus hauckii</i>		2.81x10 ²	17	
<i>Helicotheca tamesis</i>		56		
<i>Licmophora</i> sp.			10	
<i>Nitzschia longissima</i>	6.71x10 ²	2.53x10 ³	3.10x10 ⁴	19
<i>Nitzschia</i> sp.			8.92x10 ⁴	
<i>Odontella aurita</i>			19	
<i>Odontella mobiliensis</i>			19	
<i>Pleurosigma salinarum</i>				10
<i>Proboscia alata</i>		1.41x10 ²		
<i>Pseudoguinardia recta</i>		1.01x10 ⁴		
<i>Pseudonitzschia multistriata</i>	7.45x10 ⁴	1.44x10 ⁴		
<i>Pseudonitzschia pungens</i>	3.10x10 ³			
<i>Pseudonitzschia</i> sp.	8.31x10 ⁴			
<i>Pseudonitzschia</i> cf. <i>pseudodelicatissima</i>	2.46x10 ³	1.12x10 ³		
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	8.87x10 ²	3.34x10 ⁴	9.23x10 ⁵	2.62x10 ³
<i>Rhizosolenia setigera</i>		4.64x10 ²		3.60x10 ²
<i>Surirella fastuosa</i>			2.25x10 ²	
<i>Synedra ulna</i>		70	1.13x10 ³	
<i>Skeletonema costatum</i>		1.12x10 ³	1.16x10 ²	
<i>Thalassionema nitzschioides</i>	1.33x10 ²	4.91x10 ³		8.10x10 ⁴
<i>Thalassiosira</i> sp.	2.75x10 ²	4.68x10 ³	8.62x10 ²	2.71x10 ⁴

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DINOFLAGELLATES				
<i>Akashiwo sanguinea</i>	2.64x10 ³	1.75x10 ⁴	40	1.51x10 ²
<i>Amphidinium cf. carterae</i>	38			
<i>Alexandrium cf. minutum</i>	2.33x10 ³	2.17x10 ³		2.59x10 ²
<i>Ceratium furca</i>	1.50x10 ³	1.59x10 ³	7.47x10 ²	1.21x10 ³
<i>Ceratium fusus</i>		70		38
<i>Ceratium trichoceros</i>		6.56x10 ²		3.81x10 ²
<i>Cochlodinium polykrikoides</i>	2.42x10 ²	3.07x10 ³		3.41x10 ³
<i>Dinophysis caudata</i>	1.08x10 ²	1.03x10 ²		1.68x10 ²
<i>Dinophysis ovum</i>				9.05x10 ²
<i>Dinophysis tripos</i>				10
<i>Gonyaulax polygramma</i>		1.41x10 ²	9.42x10 ²	3.59x10 ²
<i>Gonyaulax spinifera</i>			3.26x10 ²	93
<i>Gymnodinium estuariale</i>	2.96x10 ⁵	9.60x10 ³	80	
<i>Gymnodinium catenatum</i>		6.60x10 ³		
<i>Gymnodinium sp</i>	1.92x10 ³	2.81x10 ²	1.18x10 ⁴	1.20x10 ³
<i>Gyrodinium instriatum</i>	3.57x10 ²			
<i>Gyrodinium ondulatum</i>	1.32x10 ³		6.19x10 ²	
<i>Gyrodinium fusus</i>	6.60x10 ²	1.44x10 ³	1.97x10 ³	1.40x10 ³
<i>Gyrodinium sp.</i>	5.19x10 ²	5.95x10 ²		9.98x10 ²
<i>Gyrodinium lachryma</i>				25
<i>Hermesium adriaticum</i>		2.44x10 ²	6.55x10 ³	2.40x10 ³
<i>Heterocapsa circularisquama</i>		1.11x10 ³	6.20x10 ²	
<i>Heterocapsa triquetra</i>	4.62x10 ³			
<i>Heterocapsa sp.</i>		2.01x10 ³	1.63x10 ²	7.10x10 ³
<i>Oxyphysis oxytoxoides</i>	2.38x10 ²			
<i>Peridinium quinquecome</i>	1.21x10 ³	1.00x10 ³	7.92x10 ³	4.29x10 ²
<i>Phalacroma rotundatum</i>				5.67x10 ²
<i>Prorocentrum balticum</i>			3.94x10 ³	1.66x10 ⁴
<i>Prorocentrum compressum</i>	2.65x10 ³	6.16x10 ³	9.07x10 ⁴	1.58x10 ³
<i>Prorocentrum gracile</i>	1.00x10 ²			
<i>Prorocentrum micans</i>	3.96 x10 ³	9.48x10 ³	1.82x10 ³	1.10x10 ⁴
<i>Prorocentrum minimum</i>	8.68x10 ²	9.19x10 ²	3.25x10 ³	5.88x10 ²
<i>Prorocentrum rathymum</i>		56	4.53x10 ²	
<i>Prorocentrum triestinum</i>			1.13x10 ²	
<i>Protoperidinium diabolium</i>				1.88x10 ²
<i>Protoperidinium depresum</i>	1.85x10 ²			2.15x10 ²
<i>Protoperidinium pelucidum</i>			2.96x10 ³	7.66x10 ²
<i>Protoperidinium pentagonum</i>				60
<i>Protoperidinium steinii</i>		1.18x10 ³	2.49x10 ²	1.10x10 ⁴
<i>Protoperidinium sp.</i>	1.32 x10 ³			
<i>Pyrophacus holorogicum</i>		70	1.02x10 ²	83
<i>Scripsiella trocoidea</i>	1.43 x10 ³	7.47x10 ³	5.34x10 ³	6.50x10 ³
<i>Scripsiella spinifera</i>		1.42x10 ³		

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CRYPTOPHYCEANS				
<i>Plagioselmis</i> sp.		1.14x10 ³	1.83x10 ⁵	

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CHRYSTOPHYCEANS				
<i>Dictyocha fibula</i>	2.79x10 ²			3.92x10 ²

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RAPHIDOPHYCEANS				
<i>Eutreptiella</i> sp.		56	1.87x10 ²	1.35x10 ³

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CYANOPHYCEANS				
<i>Anabaena</i> sp.		4.22x10 ²	1.55x10 ³	
<i>Arthrospira fusiformis</i>			3.55x10 ²	
<i>Cylindrospermopsis curvispora</i>			7.52x10 ²	
<i>Microcystis aeruginosa</i>			1.32x10 ²	
<i>Oscillatoria</i> sp.				18
<i>Phormidium</i> sp.			81	1.56x10 ²
<i>Planktothrix isothrix</i>			4.45x10 ²	
<i>Pseudoanabaena</i> sp.	7.29x10 ²		3.60x10 ⁴	
<i>Spirulina</i> sp.				3.13x10 ²

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CHLOROPHYCEANS				
<i>Coenococcus</i> sp.		3.52x10 ²	17	
<i>Coelastrum indicum</i>			70	
<i>Desmodesmus abundans</i>			1.50x10 ²	

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PRASINOPHYCEANS				
<i>Pyramimonas</i> sp			2.79x10 ⁴	