

Projeto Mar de Dentro Cruzeiro 4 - Data: 17-18 de Maio 1999
Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

ORGANISMOS	Concentração (cél/L) nas Estações de Amostragem																					
	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
CYANOPHYTA																						
(=Cianofíceas)																						
Anabaena sp.																						
Aphanizomenon sp.																						
Aphanocapsa sp.																						
Aphanothece sp.													2000		10000		10000	12000	10000			10000
Chroococcus sp.																						
Cianofíceas Filamentosa											2000											
Lymnolthrix sp.																						
Lyngbya sp.											2000	4000	4000	1000	300000	390000	130000	36000	30000	10000		450000
Merismopedia sp.																						
Microcystis sp.															20000							
Oscillatoria sp.																						
Phormidium sp.																						
Pseudoanabaena sp.																			10000			
Raphidiopsis sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	4000	4000	6000	1000	330000	390000	140000	48000	50000	10000	0	460000
Classe Chlorophyceae																						
(=Clorofíceas)																						
Actinastrum sp.																						
Ankistrodesmus sp.																						
Arthrodesmus sp.																						
Botriococcus sp.																						
Centritactus sp.																						
Chlamydomonas sp.													4000				10000	2000			4000	
Chlorococcum sp.																						
Closteriopsis sp.																						
Closterium sp.																			10000			
Coelastrum sp.																40000		2000				
Cosmarium sp.																						
Crucigenia sp.																						
Dictyosphaerium sp.																		2000				
Elakatothrix sp.																						
Enrethia sp.																						
Euastrum sp.																						
Francia sp.																						
Filamentosa não identif.																						10000
Golenkinia sp.																						
Lagerheimia sp.																						
Microactinium sp.																						
Monoraphidium sp.																70000	50000	22000	10000			10000
Mougeotia sp.																						
Não filamentosa																				10000		
Oocystis sp.																						
Pediastrum sp.															20000							4000
Penium sp.																						
Scenedesmus sp.											2000	4000	12000	1000	40000	20000	20000	4000	70000	20000		
Schroederia sp.																30						
Selenastrum sp.																						
Sphaerocystis sp.																						10000
Sphaerozosma sp.																						
Staurostrum sp.																						10000
Teilingia sp.																						
Tetraedron sp.																						
Tetrastrum sp.																						
Treubaria sp.																						
Ulothrix sp.												2000					30000	2000				
TOTAL	0	0	0	0	0	0	0	0	0	0	2000	6000	16000	1000	60000	130030	110000	34000	90000	30000	4000	44000

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Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN.	P 2 SUP	P 2 FUN.	P 1 SUP	P 1 FUN.	R1 SUP	R1 FUN.	R2 SUP	R3 SUP
Classe Bacillariophyceae																						
(=Diatomáceas)																						
Ordem Centrales																						
(=Diatomáceas Cêntricas)		25000	5000		20			1500														
<i>Actinocyclus</i> sp.													8000	2000	110000	60000	20000	20000	290000	550000	40000	
<i>Aulacoseira</i> sp.																						
<i>Biddulphia</i> sp.																						
<i>Cerataulina bicornis</i>																						
<i>Cerataulus</i> sp.																						
<i>Chaetocerus</i> sp.																						
<i>Coscinodiscus</i>																		2000				
20-200 um de diâmetro		1500	100	40	80	40																
acima de 200 um																						
<i>Cyclotella</i> sp.										2000			12000	13000	30000	60000	90000	16000		10000	8000	40000
<i>Dactyliosolen fragilissimus</i>																						
<i>Ditylum brightwellii</i>																						
<i>Entomoneis</i> sp.																						
<i>Guinardia delicatula</i>																						
<i>Guinardia flaccida</i>																						
<i>Guinardia striata</i>																						
<i>Hemiaulus</i> sp.																						
<i>Hemidiscus</i> sp.																						
<i>Leptocylindrus danicus</i>																						
<i>Lithodesmium</i> sp.																						
<i>Melosira dubia</i>						4500																
<i>Melosira</i> sp.		25000	500			20		4000					18000		830000	880000	270000	78000	60000	280000	2000	20000
<i>Odontella mobilensis</i>																						
<i>Odontella rhombus</i>																						
<i>Odontella sinensis</i>																						
<i>Odontella</i> sp.																						
<i>Paralia sulcata</i>																						
<i>Proboscia alata</i>																						
<i>Pseudosolenia calcar-evis</i>																						
<i>Rhizosolenia</i> 2 sp.																						
<i>Rhizosolenia</i> 1 sp.																						
<i>Rhizosolenia imbricata</i>																						
<i>Rhizosolenia pungens</i>																						
<i>Rhizosolenia robusta</i>																						
<i>Rhizosolenia setigera</i>																						
<i>Skeletonema</i> sp.			30000	18000			4000	27500	3000	1000	18000	44000									432000	
<i>Stephanopyxis turris</i>																						
<i>Stephanodiscus</i> sp.																				10000		
<i>Terpsinoe musica</i>																						
<i>Terpsinoe</i> sp.																						
<i>Thalassiosira</i> sp.																						
<i>Triceratium</i> sp.																						
<i>Urozolenia</i> sp.																						
Ordem Pennales																						
(=Diatomáceas Penadas)	183330	91665																				
<i>Amphipleura</i> sp.																						
<i>Amphora</i> sp.																						
<i>Anomoeoneis</i> sp.																						
<i>Asterionellopsis glacialis</i>																						
<i>Bacillaria paradoxa</i>																						
<i>Campylosira</i> sp.																						
<i>Cocconeis</i> sp.										1000												
<i>Cylindrotheca closterium</i>		91665	36668	36668																		
<i>Cylindrotheca</i> sp.																						
<i>Cymbella</i> sp.																				10000		
<i>Diatoma</i> sp.																				20000		30000
<i>Diploneis</i> sp.		200	20	1000		500		500														
<i>Eunotia</i> sp.										1000		4000	2000							20000	2000	
<i>Fragilaria</i> sp.												8000						2000	20000			
<i>Frustulia</i> sp.																						
<i>Gomphonema</i> sp.															10000					20000		
<i>Grammatophora</i> sp.																						
<i>Gyrosigma</i> sp.																					2000	

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<i>Meuniera membranacea</i>															20000	10000	10000	4000	10000	10000	2000	
<i>Navicula sp.</i>																						
<i>Nitzschia longissima</i>										1000					30000	50000	30000	24000		20000	8000	10000
<i>Nitzschia sp.</i>																						
<i>Pinnularia sp.</i>																						
<i>Pleurosigma sp.</i>		300			20																	
<i>Pseudonitzschia sp.</i>																						
<i>Sunella sp.</i>																				50000		
<i>Stauroneis sp.</i>																						
<i>Synedra sp.</i>				40		20																
<i>Tabellaria sp.</i>																						
<i>Thalassiothrix sp.</i>		400																				
<i>Thalassionema nitzschoides</i>																						
TOTAL (Cêntrica + Penadas)	183330	235730	72288	385740	120	5080	4000	33500	4000	5000	16000	54000	40000	15000	1030000	1080000	420000	146000	380000	1000000	484000	100000
Classe Dynophyceae																						
(=Dinoflagelados)																						
<i>Alexandrium sp.</i>																						
<i>Cachonina nief</i>	5000																					
<i>Ceratium furca</i>	400																					
<i>Ceratium longissimum</i>																						
<i>Ceratium tripos</i>																						
<i>Ceratium sp.</i>																						
Cistos de dinoflagelados.	200	1200	240	80	40		2000	500		1000												
<i>Cladomonas sp.</i>																						
<i>Cochlodinium sp.</i>																						
<i>Dinoflagelado Tecado</i>																						
<i>Dinophysis acuminata</i>	3400																					
<i>Dinophysis caudata</i>	200				20																	
<i>Glenodinium sp.</i>										1000	2000											
<i>Gonyaulax sp.</i>	800																					
Gymnodiniales não identif.	15200	500																				
<i>Gymnodinium sanguineum</i>	1400																					
<i>Gymnodinium sp.</i>									4000	1000	6000	2000										
<i>Gyrodinium sp.</i>	3400	300																				
<i>Gyrodinium spirale</i>	400																					
<i>Noctiluca sp.</i>																						
<i>Oxyphysis oxytoxoides</i>	11800	300																				
<i>Oxytoxum sp.</i>																						
<i>Peridinium sp.</i>																						
<i>Polykrikos sp.</i>	200																					
<i>Prorocentrum 1 sp.</i>	8200			60	20																	
<i>Prorocentrum gracile</i>	1200																					
<i>Prorocentrum micans</i>	1000																					
<i>Prorocentrum minimum</i>							500	500														
<i>Protoperidinium 1 sp.</i>	200				20																	
<i>Protoperidinium 2 sp.</i>	1000																					
<i>Protoperidinium sp.</i>	200	300																				
<i>Scipisiella sp.</i>	11200																					
<i>Scipisiella trochoidea</i>		200			500																	
TOTAL	63480	2880	240	140	600	0	2500	1900	4000	2900	8000	2000	0	0	0	0	0	0	0	0	0	0
Classe Dictyochophyceae																						
(=Silicoflagelados)																						
<i>Dictyocha fibula</i>	3600																					
TOTAL	3600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Cryptophyceae																						
(=Cryptofíceas)	1468640		293328	1099980	549980	1468640		458325														
<i>Cryptomonas sp.</i>									1000	1000	2000	4000		1000	10000			2000		10000		
TOTAL	1468640	0	293328	1099980	549980	1468640	0	458325	1000	1000	2000	4000	0	1000	10000	0	0	2000	0	10000	0	0
Classe Chrysophyceae																						
(= Crisofíceas)																						
<i>Chrysocistis sp.</i>										1000												
<i>Chrysococcus sp.</i>																						
<i>Dinobryon sp.</i>																						
<i>Mallomonas sp.</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	1000	0	2000	0	0	0	0	0	0	0	0	0	0

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Rotífera																						
<i>Filinia</i> sp.															100							
<i>Keratella</i> sp.																						
<i>Polyarthra</i> sp.																					100	
<i>Synchaeta</i> sp.																						
<i>Trichocerca</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	100	0
Gastrotricha																						
<i>Chaetorotus</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microcrustáceos																						
<i>Bosmina</i> sp.																						
<i>Cyclops</i> sp.																						
<i>Daphnia</i> sp.																						
<i>Nauplius</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria																						
<i>Rhabdocoela</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematóides																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aracnídeos																						
<i>Ácaro</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eponjas																						
<i>Espículas</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mollusca																						
<i>Gastropoda</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Organismos contados por Epifluorescência																						
<i>Cianobactérias coccídes (<2um)</i>	0	400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Criptofíceas</i>	333333	66666	0	0	133333	66666	0	66666	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prasinofíceas</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projeto Mar de Dentro - Cruzeiro 5 Data: 23-24 de Junho 1999
Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

ORGANISMOS	Concentração (cels/L) nas Estações de Amostragem																					
	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 3-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
CYANOPHYTA																						
(=Cianofíceas)																						
<i>Anabaena</i> sp.																		1000				
<i>Aphanizomenon</i> sp.																						
<i>Aphanocapsa</i> sp.																						
<i>Aphanothece</i> sp.											14000							1000				
<i>Chroococcus</i> sp.																						
Cianofíceas Filamentosa																						
<i>Lyngbya</i> sp.												1000										
<i>Lyngbya</i> sp.														4000	4000	4000						
<i>Merismopedia</i> sp.																						
<i>Microcystis</i> sp.																	2000					
<i>Oscillatoria</i> sp.																						
<i>Phormidium</i> sp.																						
<i>Pseudonabaena</i> sp.																						
<i>Rhaphidiopsis</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	14000	1000	0	4000	4000	4000	2000	2000	0	0	0	0
Classe Chlorophyceae																						
(=Clorofíceas)																						
<i>Actinastrum</i> sp.																						
<i>Ankistrodesmus</i> sp.																						
<i>Arthrodesmus</i> sp.																						
<i>Botriococcus</i> sp.																						
<i>Centriactis</i> sp.																						
<i>Chlamydomonas</i> sp.											32000	2000	4000	2000					5000			2000
<i>Chlorococcum</i> sp.																						
<i>Closteriopsis</i> sp.																						
<i>Closterium</i> sp.											2000					2000						
<i>Coelastrum</i> sp.																						2000
<i>Cosmarium</i> sp.																						
<i>Crucigenia</i> sp.																						
<i>Dictyosphaerium</i> sp.																						
<i>Elakatothrix</i> sp.									4000		18000											
<i>Emirella</i> sp.																						
<i>Euastrum</i> sp.																						
<i>Francelia</i> sp.																						
Filamentosa não identif.											4000	2000		8000	4000	8000	4000	2000				2000
<i>Golenkinia</i> sp.																						
<i>Lagerheimia</i> sp.																						
<i>Microactinium</i> sp.																						
<i>Monoraphidium</i> sp.											4000	4000		4000	6000	12000	2000	2000				
<i>Mougeotia</i> sp.																						2000
Não filamentosa																						
<i>Oocystis</i> sp.																8000						
<i>Pediastrum</i> sp.																						
<i>Penium</i> sp.																						
<i>Scenedesmus</i> sp.							200							2000					2000			
<i>Schroederia</i> sp.													6000			12000						
<i>Selenastrum</i> sp.																						
<i>Sphaerocystis</i> sp.																						
<i>Sphaerosoma</i> sp.																						
<i>Staurostrum</i> sp.																						
<i>Tellingia</i> sp.																						
<i>Tetradron</i> sp.																						
<i>Tetrastrum</i> sp.																						
<i>Treubaria</i> sp.																						
<i>Ulothrix</i> sp.													2000	4000		8000						
TOTAL	0	0	0	0	0	0	200	0	4000	0	60000	8800	12000	20000	10000	48000	6000	4000	5000	2000	0	8000

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Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

Estações	O1 SUP.	O1 FUN.	P6 SUP.	P6 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
Classe Bacillariophyceae																						
(=Diatomáceas)																						
Ordem Centrales																						
(=Diatomáceas Cêntricas)							3200	100														
<i>Actinocyclus</i> sp.														4000				1000	3000			
<i>Aulacoseira</i> sp.																						
<i>Biddulphia</i> sp.																						
<i>Cerataulina bicornis</i>																						
<i>Cerataulus</i> sp.																						
<i>Chaetocerus</i> sp.	20	3000																		2000		
<i>Coscinodiscus</i>																						
20-200 um de diâmetro	900	1740	20	120																		
acima de 200 um																						
<i>Cyclotella</i> sp.									1000	2000	4000	1000	6000	8000	4000	6000	2000					
<i>Dactylosolen fragilissimus</i>																						
<i>Ditylum brightwellii</i>	80	40																				
<i>Entomoneis</i> sp.																						
<i>Guinardia delicatula</i>																						
<i>Guinardia flacida</i>																						
<i>Guinardia striata</i>																						
<i>Hemiaulus</i> sp.																						
<i>Hemidiscus</i> sp.																						
<i>Leptocylindrus danicus</i>																						
<i>Lithodesmium</i> sp.	20																					
<i>Melosira dubia</i>	3000		2000	280	1000	1600	200	400														
<i>Melosira</i> sp.		40									2000	5000	8000	12000	12000	6000	66000	36000	8000	30000		22000
<i>Odontella mobilensis</i>																						
<i>Odontella rhombus</i>	20																					
<i>Odontella sinensis</i>																						
<i>Odontella</i> sp.																						
<i>Paralia sulcata</i>					200																	
<i>Proboscía alata</i>																						
<i>Pseudosolenia calcar-avis</i>																						
<i>Rhizosolenia</i> 2 sp.																						
<i>Rhizosolenia</i> 1 sp.																						
<i>Rhizosolenia imbricata</i>																						
<i>Rhizosolenia pungens</i>																						
<i>Rhizosolenia robusta</i>																						
<i>Rhizosolenia setigera</i>																						
<i>Skeletonema</i> sp.	36000	4000		3500	10900	4300		17700	320000	82000		1000										
<i>Stephanopyxis turis</i>																						
<i>Stephanodiscus</i> sp.																						8000
<i>Terpsinoe musica</i>																						
<i>Terpsinoe</i> sp.																						
<i>Thalassiosira</i> sp.		40		500																		
<i>Triceratium</i> sp.																						
<i>Urozolenia</i> sp.																						
Ordem Pennales																						
(=Diatomáceas Penadas)	60	20																				
<i>Amphipleura</i> sp.																						2000
<i>Amphora</i> sp.																						
<i>Anomoeoneis</i> sp.																						
<i>Asterionellopsis glacialis</i>	34000			3000		3200																
<i>Bacillaria paradoxa</i>																						
<i>Campylosira</i> sp.				3500																		
<i>Cocconeis</i> sp.																						
<i>Cylindrotheca closterium</i>		79950	79950		7500		30000	17500														
<i>Cylindrotheca</i> sp.																						
<i>Cymbella</i> sp.																						2000
<i>Diatoma</i> sp.																						4000
<i>Diploneis</i> sp.				500	100																	
<i>Eunotia</i> sp.																			2000	4000	1000	6000
<i>Fragilaria</i> sp.																					1000	4000
<i>Frustulia</i> sp.																						
<i>Gomphonema</i> sp.																						2000
<i>Gramatophora</i> sp.																						
<i>Gyrosigma</i> sp.																						

Projeto Mar de Dentro - Cruzeiro 5 Data: 23-24 de Junho 1999
Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
<i>Meuniera membranacea</i>		120																		2000		2000
<i>Navicula sp.</i>																						
<i>Nitzschia longissima</i>										6000				2000			2000		2000			
<i>Nitzschia sp.</i>																						
<i>Pinnularia sp.</i>																						
<i>Pleurosigma sp.</i>	80	20				200																
<i>Pseudonitzschia sp.</i>	80																					
<i>Stauroneis sp.</i>																						
<i>Surirella sp.</i>	20		20																			
<i>Synedra sp.</i>																						
<i>Tabellaria sp.</i>																						
<i>Thalassiothrix sp.</i>																						
<i>Thalassionema nitzschoides</i>																						
TOTAL (Centricas + Penadas)	74260	88970	81990	11400	22900	6100	33400	35700	321000	90000	6000	7000	18000	22000	16000	12000	70000	36000	14000	38000	2000	52000
Classe Dymophyceae																						
(=Dinoflagelados)																						
<i>Alexandrium sp.</i>																						
<i>Cachorina nirey</i>																						
<i>Ceratium furca</i>	180																					
<i>Ceratium longissimum</i>	20																					
<i>Ceratium tripos</i>	40																					
<i>Ceratium sp.</i>																						
Cistos de dinoflagelados.	4000	1000	2500	40	100	100	300															
<i>Cladomones sp.</i>																						
<i>Cochlodinium sp.</i>																						
<i>Dinoflagelado Tecado</i>		20																				
<i>Dinophysis acuminata</i>																						
<i>Dinophysis caudata</i>	20	20																				
<i>Glenodinium sp.</i>																			1000			
<i>Gonyaulax sp.</i>																						
Gymnodiniales não identif.	1000																					
<i>Gymnodinium sanguineum</i>																						
<i>Gymnodinium sp.</i>																						
<i>Gyrodinium sp.</i>	80																					2000
<i>Gyrodinium spirale</i>	40																					
<i>Noctiluca sp.</i>		80																				
<i>Oxyphysis oxytoxoides</i>	120																					
<i>Oxytoxum sp.</i>	20																					
<i>Peridinium sp.</i>																						
<i>Polykrikos sp.</i>																						
<i>Prorocentrum 1 sp.</i>																						
<i>Prorocentrum gracile</i>																						
<i>Prorocentrum micans</i>																						
<i>Prorocentrum minimum</i>			2500	80	10800	2800	35000	100														
<i>Protoperidinium 1 sp.</i>																						
<i>Protoperidinium 2 sp.</i>																						
<i>Protoperidinium sp.</i>	20											200										
<i>Sciphiella sp.</i>																						
<i>Sciphiella trochoidea</i>																						
TOTAL	5540	1120	5000	120	10900	2900	35300	300	0	0	0	0	0	0	0	0	0	0	1000	0	0	2000
Classe Dictyochophyceae																						
(=Silicoflagelados)																						
<i>Dictyocha fibula</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Cryptophyceae																						
(=Crisofíceas)	879450	158900	1119300	719550	458325	1198250	4279250	399750														
<i>Cryptomonas sp.</i>												2000	2000	2000	2000		16000	2000	6000	24000		
TOTAL	879450	158900	1119300	719550	458325	1198250	4279250	399750	0	0	0	2000	2000	2000	2000	0	16000	2000	6000	24000	0	0
Classe Chrysophyceae																						
(=Crisofíceas)																						
<i>Chrysocentris sp.</i>																						
<i>Chrysococcus sp.</i>														2000								
<i>Dinobryon sp.</i>																						
<i>Mallomonas sp.</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	2000	0	0	0	0	0	0	0	0

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Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
Classe Raphidophyceae																						
(=Rafidoficeas)																						
<i>Fibrocapsa japonica</i>														2000					1000			
<i>Vacuollaria</i> sp.														2000					1000			
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Prasinophyceae																						
(=Prasinoficeas)	79950						27500	79950														
TOTAL	79950	0	0	0	0	0	27500	79950	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Euglenophyceae																						
(=Euglenoficeas)																						
<i>Astasia</i> sp.																						
<i>Eutreptiella</i> sp.																						
<i>Euglena</i> sp.																						
<i>Lepocincilis</i> sp.																						
<i>Phacus</i> sp.																						
<i>Pteromonas</i> sp.												1000										
<i>Trachelomonas</i> sp.																						
<i>Trachelomonas</i> sp.																						
<i>Strombomonas</i> sp.												1000										
TOTAL	0	0	0	0	0	0	0	0	0	0	0	1000	0	0	0	0	0	0	0	0	0	0
Mesodinium																						
TOTAL	5000	0	1940	1380	800	4500	3500	14900	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flagelados não identif.									1000													
< ou = 2 um	1198250	959400	1918800	479700	1044981	3757850	3740000	2399500														
2 - 20 um	1359150	1998750	1039350	398750	898654	1198250	4031750	1678950														
TOTAL	2558400	2958150	2958150	878450	1741635	4956900	7771750	4077450	1000	0	0	0	0	0	0	0	0	0	0	0	0	0
Zooplâncton																						
<i>Actinophrys</i> sp.																			2000			
<i>Actinosphaerium</i> sp.																						
<i>Amoeba</i> sp.																						
<i>Anisonema</i> sp.																						
Ciliados não identif.																			2000			
<i>Codonella</i> sp.															2000		2000	1000	2000		2000	
<i>Codonellopsis</i> sp.		20																				
<i>Colepa</i> sp.																						
<i>Colpoda</i> sp.																						
<i>Cyrtolophosis</i> sp.																						
<i>Diffugia</i> sp.																						
<i>Dimorphococcus</i> sp.																						
<i>Euglypha</i> sp.																						
<i>Eutimninus</i> sp.	20																					
<i>Halteria</i>																						
<i>Mona</i> sp.											1000											
<i>Mycetothrix</i> sp.																						
<i>Oxiricha</i> sp.																						
<i>Peranema</i> sp.																						
Protozooplâncton não identif.																						
<i>Strombidium</i> sp.	220	20	400	780	1100	1100	1500	1800														
<i>Synura</i> sp.																						
Tintinídeos não identif.																						
<i>Tintinnopsis</i> sp.	440		20	40	100	100																
<i>Torodinium</i> sp.		3000																				
<i>Uronema</i> sp.																						
<i>Vorticella</i> sp.																						
TOTAL	680	3040	420	820	1200	1200	1500	1800	0	0	1000	0	0	0	2000	0	2000	1000	2000	4000	0	2000

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Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
Rodifera																						
<i>Filinia</i> sp.																100						
<i>Keratella</i> sp.																						
<i>Polyarthra</i> sp.												100										
<i>Synchaeta</i> sp.																						
<i>Trichocerca</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	100	0	0	0	0	0	0
Gastrotricha																						
<i>Cheatonotus</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microcrustáceos																						
<i>Bosmina</i> sp.										100												
<i>Cyclops</i> sp.																						
<i>Daphnia</i> sp.										100												
<i>Nauplius</i>										200	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria																						
<i>Rhabdocoela</i>																					100	
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Nematóides																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aracnídeos																						
<i>Acaro</i>																	100					
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0
Eponjas																						
<i>Espículas</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mollusca																						
<i>Gastropoda</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Organismos contados por Epifluorescência																						
<i>Cianobactérias cocóides (<2um)</i>	786666	460000	1146666	633333	933333	400000	433333	1072000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Criptofíceas</i>	466666	266666	86666	266666	66666	200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prasinofíceas</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projeto Mar de Dentro - Cruzeiro 6 Data: 20-21 de Julho 1999
Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

ORGANISMOS	Concentração (ceis/L) nas Estações de Amostragem																					
	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5 SUP.	P 5 FUN.	P 4 SUP.	P 4 FUN.	P 3 SUP.	P 3 FUN.	P 2 SUP.	P 2 FUN.	P 1 SUP.	P 1 FUN.	R1 SUP.	R1 FUN.	R2 SUP.	R3 SUP.
Cyanophyta																						
(=Cianofíceas)																						
Anabaena sp.																						
Aphanizomenon sp.																						
Aphanothece sp.																						
Aphanothece sp.																						
Chroococcus sp.																						
Cianofíceas Filamentosa	11800		87500																			
Lyngbya sp.													2000		8000	16000	20000	12000				8000
Merismopedia sp.																						
Microcystis sp.															2000	4000						
Oscillatoria sp.																						
Phormidium sp.																						
Pseudoanabaena sp.																						
Raphidiopsis sp.																						
TOTAL	11800	0	87500	0	0	0	0	0	0	0	0	0	2000	0	10000	20000	20000	12000	0	0	0	8000
Classe Chlorophyceae																						
(=Clorofíceas)																						
Actinastrum sp.																						
Ankistrodesmus sp.																						
Arthrodesmus sp.																						
Botriococcus sp.																						
Centrilectus sp.																						
Chlamydomonas sp.																						
Chlorococcum sp.																						
Closteriopsis sp.																						
Closterium sp.																	4000	4000				
Coelastrum sp.																						
Cosmarium sp.																						
Crucigenia sp.																						
Dictyosphaerium sp.																						
Elakatothrix sp.																						
Emirella sp.																						
Euastrum sp.																						
Francia sp.																						
Filamentosa não identif.															12000	4000	12000					14000
Golenkinia sp.																						
Lagerheimia sp.																						
Microactinium sp.																						
Monoraphidium sp.															6000	16000	12000					6000
Mougeotia sp.																						
Não filamentosa																						
Oocystis sp.															2000							
Pediastrum sp.																						
Penium sp.																						
Scenedesmus sp.										2000			2000				4000		2000			2000
Schroederia sp.																						
Selenastrum sp.																						
Sphaerocystis sp.																						
Sphaerosozma sp.																						
Staurostrum sp.																						
Teilingia sp.																						
Tetradion sp.																						
Tetrastrum sp.																						
Treubaria sp.																						
Ulothrix sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	2000	0	0	2000	0	20000	20000	32000	4000	2000	0	0	22000

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Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
Classe Bacillariophyceae																						
(=Diatomáceas)																					4000	
Ordem Centrales																						
(=Diatomáceas Cêntricas)			2500									4000								2000		
<i>Actinocyclus</i> sp.																						
<i>Aulacoseira</i> sp.			300																			
<i>Biddulphia</i> sp.																						
<i>Cerataulina bicornis</i>														4000								
<i>Cerataulus</i> sp.																						
<i>Chaetocerus</i> sp.							91885			8000	4000				2000							
<i>Coscinodiscus</i>																						
20-200 um de diâmetro	1200	900	400	9500		200	140	120														
acima de 200 um																						
<i>Cyclotella</i> sp.			100						2000		28000	24000	18000	28000	80000	32000		4000				
<i>Dactylosolen fragilis</i>																						
<i>Ditylum brightwellii</i>																						
<i>Entomoneis</i> sp.	2500																					
<i>Guinardia delicatula</i>																						
<i>Guinardia flaccida</i>																						
<i>Guinardia striata</i>																						
<i>Hemiaulus</i> sp.																						
<i>Hemidiscus</i> sp.				500																		
<i>Leptocylindrus danicus</i>																						
<i>Lithodesmiun</i> sp.																						
<i>Melosira dubia</i>	10000	7500	2500		8000	400	2000	4000														
<i>Melosira</i> sp.									400000	480000	136000	84000	380000	268000	1480000	1420000	1768000	2560000	344000	402000	5000	112000
<i>Odontella mobilensis</i>																						
<i>Odontella rhombus</i>																						
<i>Odontella sirensis</i>																						
<i>Odontella</i> sp.						5000																
<i>Paralia sulcata</i>		17500																				
<i>Proboscia alata</i>																						
<i>Pseudosolenia calcar-evis</i>																						
<i>Rhizosolenia</i> 2 sp.																						
<i>Rhizosolenia</i> 1 sp.																						
<i>Rhizosolenia imbricata</i>																						
<i>Rhizosolenia pungens</i>																						
<i>Rhizosolenia robusta</i>																						
<i>Rhizosolenia setigera</i>																						
<i>Skeletonema</i> sp.						90000	279500	238000														
<i>Stephanopyxis turris</i>																						
<i>Stephanodiscus</i> sp.									2000		40000	20000	10000	36000				12000				2000
<i>Terpsinoe musica</i>																						
<i>Terpsinoe</i> sp.												4000										
<i>Thalassiosira</i> sp.																						
<i>Triceratium</i> sp.																						
<i>Urozolenia</i> sp.																						
Ordem Pennales																						
(=Diatomáceas Penadas)	2500		183330																		1000	
<i>Amphipleura</i> sp.																						
<i>Amphora</i> sp.																						
<i>Anomoeoneis</i> sp.																						
<i>Asterionellopsis glacialis</i>	2700						80															
<i>Bacillaria paradoxa</i>						800																
<i>Campylosira</i> sp.																						
<i>Cocconeis</i> sp.										2000		12000	6000	8000	2000			4000				
<i>Cylindrotheca closterium</i>	5000						183330	183330														
<i>Cylindrotheca</i> sp.																						
<i>Cymbella</i> sp.																						
<i>Diatoma</i> sp.																						
<i>Diplooneis</i> sp.			100																			
<i>Eunotia</i> sp.																			2000		2000	
<i>Fragilaria</i> sp.									2000		4000			4000	18000	44000	32000	12000	4000	2000		62000
<i>Frustulia</i> sp.																						
<i>Gomphonema</i> sp.																				2000	2000	
<i>Gramatophora</i> sp.						100																
<i>Gyrosigma</i> sp.	100					10000																

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Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P5 SUP.	P5 FUN.	P4 SUP.	P4 FUN.	P3 SUP.	P3 FUN.	P2 SUP.	P2 FUN.	P1 SUP.	P1 FUN.	R1 SUP.	R1 FUN.	R2 SUP.	R3 SUP.
<i>Meuniera membranacea</i>																			2000		5000	
<i>Navicula</i> sp.																						
<i>Nitzschia longissima</i>									132000	70000	4000		2000	8000	4000		4000	8000		2000		2000
<i>Nitzschia</i> sp.																					1000	
<i>Pinnularia</i> sp.								20														
<i>Pleurosigma</i> sp.			100	12500	2500																	
<i>Pseudonitzschia</i> sp.																						
<i>Stauroneis</i> sp.											4000		8000	4000					2000			
<i>Surirella</i> sp.		100			20	100																
<i>Synedra</i> sp.																						
<i>Tabellaria</i> sp.																						
<i>Thalassiothrix</i> sp.																						
<i>Thalassionema nitzschioides</i>																						
TOTAL (Céntricas + Penadas)	24000	26000	189330	22500	10520	106800	556715	428470	546000	536000	218000	148000	424000	360000	1586000	1496000	1804000	2600000	354000	410000	20000	178000
Classe Dynophyceae																						
(=Dinoflagelados)																						
<i>Alexandrium</i> sp.																						
<i>Cachonina nief</i>																						
<i>Ceratium furca</i>																						
<i>Ceratium longissimum</i>																						
<i>Ceratium tripos</i>																						
<i>Ceratium</i> sp.																						
Cistos de dinoflagelados																						
<i>Cladomonas</i> sp.																						
<i>Cochlodinium</i> sp.																						
Dinoflagelado Tecado																						
<i>Dinophysis acuminata</i>																						
<i>Dinophysis caudata</i>																						
<i>Glenodinium</i> sp.																						
<i>Gonyaulax</i> sp.																						
Gymnodiniales não identif.																						
<i>Gymnodinium sanguineum</i>																						
<i>Gymnodinium</i> sp.																						
<i>Gyrodinium</i> sp.																						
<i>Gyrodinium spirale</i>																						
<i>Noctiluca</i> sp.																						
<i>Oxyphysis oxytoxoides</i>																						
<i>Oxytoxum</i> sp.																						
<i>Peridinium</i> sp.																						
<i>Polykrikos</i> sp.																						
<i>Prorocentrum</i> 1 sp.	2500																					
<i>Prorocentrum gracile</i>																						
<i>Prorocentrum micans</i>																						
<i>Prorocentrum minimum</i>																						
<i>Protoperidinium</i> 1 sp.																						
<i>Protoperidinium</i> 2 sp.																						
<i>Protoperidinium</i> sp.																						
<i>Sciphiella</i> sp.																						
<i>Sciphiella trochoidea</i>																						
TOTAL	2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Dictyochophyceae																						
(=Silicoflagelados)																						
<i>Dictyocha fibula</i>				12500																		
TOTAL	0	0	0	12500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Cryptophyceae																						
(=Cryptofíceas)	458325	366880	274995		824885	641855	641855	458325						4000		2000	4000	8000		2000		2000
<i>Cryptomonas</i> sp.														4000		2000	4000	8000		2000		2000
TOTAL	458325	366880	274995	0	824885	641855	641855	458325	0	0	0	0	0	4000	0	2000	4000	8000	0	2000	0	2000
Classe Chrysophyceae																						
(=Crisofíceas)																						
<i>Chrysocysis</i> sp.																					1000	
<i>Chrysococcus</i> sp.																						
<i>Dinobryon</i> sp.																						
<i>Mallomonas</i> sp.																					1000	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000	0

Projeto Mar de Dentro - Cruzeiro 6 Data: 20-21 de Julho 1999
Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
Classe Raphidophyceae																						
(=Rafidoficeas)																						
<i>Fibrocapsa japonica</i>																						
<i>Vacuollaria</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Prasinophyceae																						
(=Prasinoficeas)																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Euglenophyceae																						
(=Euglenoficeas)																						
<i>Astasia</i> sp.																						
<i>Eutreptiella</i> sp.																						
<i>Euglena</i> sp.																						
<i>Lepocinclis</i> sp.																						
<i>Phacus</i> sp.																						
<i>Pteromonas</i> sp.																						
<i>Trachelomonas</i> sp.																						
<i>Trachelomonas</i> sp.																						
<i>Strombomonas</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesodinium																						
TOTAL	1900	17500	200	0	16000	20000	10500	13500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flagelados não identif.																						
< ou = 2 µm	91665	91665	183330		91665		91665	458325														
2 - 20 µm	1099980	458325	733320	1818028	733320	91665	549990	733320														
TOTAL	1191645	549990	916650	1918028	824985	91665	641655	1191645	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zooplâncton																						
<i>Actinophrys</i> sp.																						
<i>Actinosphaerium</i> sp.																						
<i>Amoeba</i> sp.																						
<i>Anisoneira</i> sp.																						
Ciliados não identif.					200																	
<i>Codonella</i> sp.											4000				6000		16000	8000				4000
<i>Codonellopsis</i> sp.																						
<i>Coleps</i> sp.																						
<i>Copepoda</i> sp.																						
<i>Cyrtolophosis</i> sp.																						
<i>Diffugia</i> sp.																						
<i>Dismorphococcus</i> sp.																						
<i>Euglypha</i> sp.																						
<i>Eutimninus</i> sp.																						
<i>Halleria</i> sp.																						
<i>Monas</i> sp.																						
<i>Mycterothrix</i> sp.																						
<i>Oxiricha</i> sp.																						
<i>Peranema</i> sp.																						
Protozooplâncton não identif.					3000			2000														
<i>Strombidium</i> sp.	500	2500			380	100	700	420														
<i>Synura</i> sp.																					1000	
Tintinídeos não identif.																						
<i>Tintinnopsis</i> sp.							1000															
<i>Torodinium</i> sp.																						
<i>Uronema</i> sp.																						
<i>Vorticella</i> sp.																						
TOTAL	500	2500	0	0	3380	300	1700	2420	0	0	0	4000	0	0	6000	0	16000	8000	0	0	1000	4000

Projeto Mar de Dentro - Cruzeiro 6 Data: 20-21 de Julho 1999
Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
Rotifera																						
<i>Filinia</i> sp.																						
<i>Keratella</i> sp.																						
<i>Polanthes</i> sp.																						
<i>Synchaeta</i> sp.																						
<i>Trichocerca</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrotricha																						
<i>Chaetognathus</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microcrustáceos																						
<i>Bosmina</i> sp.																						
<i>Cyclops</i> sp.																						
<i>Daphnia</i> sp.																						
<i>Nauplius</i>										100												
TOTAL	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria																						
<i>Rhabdocoela</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematóides																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aracnídeos																						
<i>Ácaro</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eponjas																						
<i>Espícula</i>																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mollusca																						
<i>Gastropoda</i>										100												
TOTAL	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0
Organismos contados por Epifluorescência																						
<i>Cianobactérias coccídes (<2µm)</i>	28800	57120	45880	191200	5760	14800	4340	7300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Criptofíceas</i>	533200	266600	266600	0	0	133200	228600	400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prasinofíceas</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projeto Mar de Dentro - Cruzeiro 7 Data: 23-24 de Agosto 1999
Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
<i>Meuniera membranacea</i>																						
<i>Navicula</i> sp.		2500		300										2000			2000		2000		6000	
<i>Nitzschia longissima</i>			100																			
<i>Nitzschia</i> sp.									2000	2000	2000						2000	20000			7000	
<i>Pinnularia</i> sp.																						
<i>Pleurosigma</i> sp.	60	900		300	100	100	40	40														
<i>Pseudonitzschia</i> sp.																						
<i>Stauroneis</i> sp.																						
<i>Surirella</i> sp.			100		100	100					2000	2000										
<i>Synedra</i> sp.	40																					
<i>Tabellaria</i> sp.																						
<i>Thalassiothrix</i> sp.																						
<i>Thalassionema nitzschioides</i>																						
TOTAL (Cêntricas + Penadas)	5218129	694780	3472365	1758500	5511300	8255800	538945	1013260	58000	64000	38000	26000	8000	58000	50000	114000	1408000	1670000	120000	118000	22000	13000
Classe Dinophyceae																						
(=Dinoflagelados)																						
<i>Alexandrium</i> sp.																						
<i>Cachonina nilei</i>			91665		91665		183330															
<i>Ceratium furca</i>																						
<i>Ceratium longissimum</i>																						
<i>Ceratium tripos</i>																						
<i>Ceratium</i> sp.																						
Cistos de dinoflagelados								40														
<i>Cladomonas</i> sp.																						
<i>Cochlodinium</i> sp.																						
<i>Dinoflagelado Tecado</i>																						
<i>Dinophysis acuminata</i>																						
<i>Dinophysis caudata</i>																						
<i>Glenodinium</i> sp.																			2000			
<i>Gonyaulax</i> sp.																						
Gymnodiniales não identif.		2500																				
<i>Gymnodinium sanguineum</i>																						
<i>Gymnodinium</i> sp.																						
<i>Gyrodinium</i> sp.																						
<i>Gyrodinium spirale</i>																						
<i>Noctiluca</i> sp.																						
<i>Oxyphysis oxytoxoides</i>																						
<i>Oxytoxum</i> sp.																						
<i>Peridinium</i> sp.							60															
<i>Polykrikos</i> sp.																						
<i>Prorocentrum</i> 1 sp.																						
<i>Prorocentrum gracile</i>																						
<i>Prorocentrum micans</i>																						
<i>Prorocentrum minimum</i>								274995														
<i>Protoperidinium</i> 1 sp.																						
<i>Protoperidinium</i> 2 sp.																						
<i>Protoperidinium</i> sp.							40															
<i>Scipistella</i> sp.																						
<i>Scipistella trochoidea</i>																						
TOTAL	0	2500	91665	0	91665	0	458465	0	0	0	0	0	0	0	0	0	0	0	2000	0	0	0
Classe Dictyochophyceae																						
(=Silicoflagelados)							20															
<i>Dictyocha fibula</i>																						
TOTAL	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Cryptophyceae																						
(=Cryptofíceas)			386660	274995		91665	916650	782376														
<i>Cryptomonas</i> sp.											2000			2000	2000			10000	8000	14000	1000	
TOTAL	0	0	386660	274995	0	91665	916650	782376	0	0	2000	0	0	2000	2000	0	0	10000	8000	14000	1000	0
Classe Chrysophyceae																						
(=Crisofíceas)																						
<i>Chrysocleis</i> sp.																						
<i>Chrysococcus</i> sp.																			2000			
<i>Dinobryon</i> sp.																						
<i>Mallomonas</i> sp.																			4000			
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6000	0	0	0

Projeto Mar de Dentro - Cruzeiro 7 Data: 23-24 de Agosto 1999
Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
Classe Raphidophyceae																						
(=Rafidoficeas)							91665															
<i>Fibrocapsa japonica</i>																						
<i>Vacuolaria</i> sp.																						
TOTAL	0	0	0	0	0	0	91665	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Prasinophyceae																						
(=Prasinoficeas)																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Classe Euglenophyceae																						
(=Euglenoficeas)																						
<i>Astasia</i> sp.																						
<i>Eutreptiella</i> sp.																						
<i>Euglena</i> sp.																						
<i>Lepocinclis</i> sp.																						
<i>Phacus</i> sp.																						
<i>Pteromonas</i> sp.																			2000	2000		
<i>Trachelomonas</i> sp.																			6000	6000		
<i>Trachelomonas</i> sp.																						
<i>Strombomonas</i> sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8000	8000	0	0
Mesodinium																						
TOTAL	4000	0	300	0	300	100	1280	1320	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flagelados não identif.																						
< ou = 2 um	824985	1649970	458325	1099980	1191645	5319570	2474955	9836584														
2 - 20 um	1558305	1833300	7424865	1466640	2658285	4858245	1741835	1678520														
TOTAL	2383290	3483270	7883190	2566620	3849930	10174815	4216590	11512104	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zooplâncton																						
<i>Actinophrys</i> sp.																						
<i>Actinosphaerium</i> sp.																						
<i>Amoeba</i> sp.																						
<i>Anisonema</i> sp.																						
Ciliados não identif.															1000							
<i>Codonella</i> sp.															1000	12000	2000	10000	2000			
<i>Codonellopsis</i> sp.																						
<i>Coleps</i> sp.																						
<i>Colpoda</i> sp.																						
<i>Cytolophosis</i> sp.																			2000			
<i>Diffugia</i> sp.																						
<i>Dismorphococcus</i> sp.																						
<i>Euglypha</i> sp.																						
<i>Eutimninus</i> sp.																2000						
<i>Halteria</i> sp.																					1000	
<i>Monas</i> sp.																						
<i>Mycterothrix</i> sp.																					1000	
<i>Oxtricha</i> sp.																						
<i>Paranema</i> sp.																						
Protozooplâncton não identif.																						
<i>Strombidium</i> sp.	500		100		100	100	480	600							1000						1000	
<i>Synura</i> sp.																						
Tintinídeos não identif.																						
<i>Tintinnopsis</i> sp.	500																					
<i>Torodinium</i> sp.																						
<i>Uronema</i> sp.																						
<i>Vorticella</i> sp.																						
TOTAL	1000	0	100	0	100	100	480	600	0	0	0	0	0	0	3000	14000	2000	10000	6000	0	3000	0

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Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

Estações	O1 SUP.	O1 FUN.	P8 SUP.	P8 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
Rotífera																						
Filinia sp.														100						300		100
Keratella sp.															100				100			
Polyarthra sp.																						
Synchaeta sp.																						
Trichocerca sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	100	300	0	100
Gastrotricha																						
Chaetonotus sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microcrustáceos																						
Boeckia sp.												100										
Cyclops sp.																						
Daphnia sp.																						
Nauplius																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
Turbellaria																						
Rhabdocoela																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematóides																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aracnídeos																						
Acaro																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Esponjas																						
Espícula																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mollusca																						
Gastropoda																						
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Organismos contados por Epifluorescência																						
Cianobactérias coccídes (<2µm)	700000	1885000	350000	800000	6228000	1771000	1155000	2311000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Criptofíceas	150000	0	150000	50000	114000	228000	44000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prasinofíceas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Contagem dos Organismos do Fitoplâncton (Nº Organismos/l)

ORGANISMOS	Concentração (cels/L) nas Estações de Amostragem																					
	O1 SUP.	O1 FUN.	P3 SUP.	P3 FUN.	P7 SUP.	P7 FUN.	P6 SUP.	P6 FUN.	P 5-SUP	P 5 FUN.	P 4 SUP	P 4 FUN.	P 3 SUP	P 3 FUN	P 2 SUP	P 2 FUN	P 1 SUP	P 1 FUN	R1 SUP	R1 FUN	R2 SUP	R3 SUP
Cyanophyta																						
(=Cianofíceas)																						
Anabaena sp.																						
Aphanizomenon sp.																						
Aphanocapsa sp.																						
Aphanolthece sp.																						
Chroococcus sp.																						
Cianofíceas Filamentosa																						
Lymnolthrix sp.																						
Lyngbya sp.											2000											
Merismopedia sp.																						
Microcystis sp.																						
Oscillatoria sp.																						
Phormidium sp.																			2000			
Pseudoanabaena sp.																						
Rhaphidiopsis sp.																						
TOTAL	0	0	0	0	0	0	0	0	0	0	2000	0	0	0	0	0	0	0	2000	0	0	0
Classe Chlorophyceae																						
(=Clorofíceas)																						
Actinastrum sp.																						
Ankistrodesmus sp.																						
Arthrodesmus sp.																						
Botriococcus sp.																						
Centricoccus sp.													1000									
Chlamydomonas sp.									4000	2000						2000	2000		8000	8000	1000	
Chlorococcum sp.																						
Closteriopsis sp.																						
Closterium sp.																		10000				
Coelastrum sp.																						1000
Cosmarium sp.																						
Crucigenia sp.																						
Dictyosphaerium sp.																						
Elakalothrix sp.																						
Errerella sp.																						
Euastrum sp.																						
Franceia sp.																						
Filamentosa não identif.														2000	1000			10000				11000
Golenkinia sp.																						
Lagerheimia sp.																						
Microactinium sp.																						
Monoraphidium sp.											2000						4000			2000		
Mougeotia sp.																						
Não filamentosa																						
Oocystis sp.															3000			10000				
Pediastrum sp.																					2000	
Penium sp.																						
Scenedesmus sp.																	2000		2000	2000		
Schroederia sp.																						
Selenastrum sp.																						
Sphaerocystis sp.												2000										
Sphaerocostma sp.																						
Staurastrum sp.																						
Tallingia sp.																						
Tetraedron sp.																						
Tetrastrum sp.																						
Treubaria sp.																						
Ulothrix sp.																		4000				
TOTAL	0	0	0	0	0	0	0	0	0	4000	4000	2000	1000	2000	4000	2000	22000	20000	10000	14000	1000	12000