

IODP Proceedings, Volume 347

Site M0063, Table T4. Diatoms, Hole M0063E.

			Depth (mbsf):	24	25.32	26	26.2	27.8	28	29.62	30	31.71	33	34	35.75	36.67	41.59	42
			Core, section, interval (cm):	13H-1, 0-1	13H-2, 32	14H-1, 0-1	14H-2, 0-1	14H-3, 65	15H-1, 0-1	15H-2, 62	16H-1, 0-1	16H-2, 21	16H-3, 0-1	18H-1, 0-1	18H-2, 29	18H-3, 0-1	21H-2, 51	22H-1, 0-1
Affinity	Life form	Diatoms								Chrysos	Barren	Barren	1 valve	Few	Few	Few		
BF	Pelagic	<i>Actinocyclus octonarius</i> var. <i>crassus</i> (W. Smith) Hendey		x														
BF	Epipellic and epilithic	<i>Amphora pediculus</i> (Kützing) Grunow ex A. Schmidt				x		x										
B	Epipellic and epiphytic	<i>Amphora subholstatica</i> Krammer				x												
BF	Epipellic	<i>Aneumastus minor</i> (Hustedt) Lange-Bertalot						x										x
F		<i>Aulacoseira alpigena</i> (Grunow) Krammer						x										
F		<i>Aulacoseira ambigua</i> (Grunow) Simonsen					x			x								
F	Pelagic	<i>Aulacoseira islandica</i> (O. Müller) Simonsen				x	x	C	x					x				x
F	Pelagic	<i>Aulacoseira subarctica</i> (O. Müller) Haworth			x			C						x				
B	Epipellic	<i>Caloneis aemula</i> (A. Schmidt) Cleve			x													
BM	Pelagic	<i>Chaetoceros</i> resting spores spp.		x	x	x	x			x								
BM	Pelagic	<i>Chaetoceros</i> spp. vegetative cells		x			x											
F	Epipsammic	<i>Cocconeis disculus</i> (Schumann) Cleve								x								
F	Epiphytic and plankton?	<i>Cocconeis neodiminuta</i> Krammer					x											
BF	Epiphytic	<i>Cocconeis pediculus</i> Ehrenberg								x								
BM	Epiphytic	<i>Cocconeis speciosa</i> Gregory		x														
B	Pelagic	<i>Coscinodiscus granii</i> Gough		x														
B	Pelagic and epilithic	<i>Cyclotella choctawhatcheeana</i> Prasad			x	x	x											
F		<i>Cyclotella bodanica</i> var. <i>affinis</i> (Grunow) Cleve-Euler						x										
F	Littoral?	<i>Cyclotella ocellata</i> Pantocsek						x										
		<i>Cyclotella rossii</i>																
		<i>Cyclotella schumannii</i>				x		x	x									
BF	Epipellic	<i>Cymatopleura elliptica</i> (Brébisson) W. Smith						x										
BF	Epipellic	<i>Cymatopleura solea</i> var. <i>apiculata</i> (W. Smith) Ralfs						x										
BF	Epipellic	<i>Diploneis smithii</i> (Brébisson) Cleve		x		x	x											
B	Epipellic	<i>Diploneis stroemii</i> Hustedt		x														
BF	Epiphytic	<i>Epithemia sorex</i> Kützing				x	x											
BF	Epiphytic	<i>Epithemia turgida</i> var. <i>westermanni</i> (Ehrenberg) Grunow					x											
BF	Pelagic and ice	<i>Fragilariopsis cylindrus</i> (Grunow) Krieger					x										x	x
		<i>Gomphonema olivaceum</i> (Hornemann) Brébisson		x														
BM	Epiphytic	<i>Grammatophora oceanica</i> Ehrenberg					x											
		<i>Gyrosigma acuminatum</i>					x											
M	Epiphytic	<i>Hyalodiscus scoticus</i> (Kützing) Grunow		x														
BF	Epipellic and epilithic	<i>Mastogloia smithii</i> Thwaites ex W. Smith				x												
		<i>Navicula capitata</i>						x										
B	Epipellic	<i>Navicula peregrina</i> (Ehrenberg) Kützing				x	x											
B	Epipellic	<i>Navicula phyllepta</i> Kützing		x														
B		<i>Nitzschia</i> cf. <i>angustulata</i>								x								
M		<i>Nitzschia grossestriata</i> Hustedt					x											
BF		<i>Nitzschia heulleriana</i>								x								
M		<i>Nitzschia marginulata</i> Grunow		x														
M	Littoral	<i>Opephora minuta</i> (Cleve-Euler) Witkowski						x										
B	Pelagic and ice	<i>Pauliella taeniata</i> (Grunow) Round and Basson		x		x	x											
M	Pelagic	<i>Pseudosolenia calcar-avis</i> (Schultze) B.G. Sundström		C	x	x	x			x				x				
BF	Epipsammic	<i>Pseudostaurosira brevistriata</i> (Grunow) D.M. Williams and Round								x								
B	Epiphytic and epilithic	<i>Rhicosphenia curvata</i> (Kützing) Grunow				x												
BM	Epipellic and epilithic	<i>Rhopalodia acuminata</i> Krammer																
BF	Epipellic and epilithic	<i>Rhopalodia gibba</i> (Ehrenberg) O. Müller				x												
B	Pelagic	<i>Skeletonema costatum</i> (Greville) Cleve		x														
F	Pelagic	<i>Stephanodiscus</i> cf. <i>alpinus</i> Hustedt							x	x								x
F	Pelagic	<i>Stephanodiscus medius</i> Håkansson					x	x	x				x	x	x	x		C
F	Pelagic	<i>Stephanodiscus minutulus</i> (Kützing) Cleve and Möller																
F	Pelagic	<i>Stephanodiscus neoastreae</i> Håkansson and Hickel					x	x	x					x				
F	Pelagic	<i>Stephanodiscus parvus</i> Stoermer and Håkansson																
		<i>Surirella</i> cf. <i>clementis</i>																
F	Epiphytic	<i>Synedra acus</i> Kützing								x								
F	Epiphytic	<i>Synedra ulna</i> (Nitzsch) Ehrenberg																
F	Epilithic and apiphytic	<i>Tabularia flocculosa</i> (Roth) Kützing				x	x	x	x					x				
BM	Epiphytic	<i>Tabularia fasciculata</i> (C. Agardh) D.M. Williams and Round		x	x	x	x											
BM	Pelagic	<i>Thalassionema nitzschioides</i> (Grunow) Mereschkowsky		C	x	x	x											
BF	Pelagic	<i>Thalassiosira baltica</i> (Grunow) Ostenfeld		x		x	x								x			C
B	Pelagic	<i>Thalassiosira hyperborea</i> var. <i>lacunosa</i> (Berg) Hasle		x	x	x	x											
B	Pelagic	<i>Thalassiosira levanderi</i> Van Goor		x		x	x											
M?	Pelagic	<i>Thalassiosira oestrupii</i> (Ostenfeld) Hasle		x	x													?
BM	Epipellic	<i>Tryblionella coarctata</i> (Grunow) D.G. Mann				x												
Total number of taxa																		
Silicoflagellates																		
<i>Dictyocha speculum</i>																		
Ebridians																		
<i>Ebria tripartita</i>				x			x											
Crysophyte cysts																		
Smooth					x	x	x	x	x	x								
With spines																		
With curves				C	x				x					x				
Dots						x	x											
Short ridges																		

F = freshwater, BF = brackish-freshwater, B = brackish, BM = brackish-marine, M = marine.