Site M0059, Table T3. Diatoms, Hole M0059A.

Affinity	Life form	Diatoms	Core, section: 1H-1	1H-2	2H-1	2H-2	3H-1	3H-2	4H-1	4H-2	5H-1	5H-2	6H-1	6H-2	7H-1	7H-2	8H-1	8H-2	9H-1	9H-2	10H-1	10H-2	11H-1	11H-2	12H-1	12H-2	13H-1	13H-2	14H-1	14H-2	15H-1	15H-2	16H-1	16H-2	16H-2	17H-1	17H-2	18H-1	18H-2	18H-3	19H-1	20H-1	21H-1	22H-1	23H-1	24H-1	25H-1	26H-1	28H-1
		Interval (cm):	0–1	50–51	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	0–1	150	Barren	0–1	Barren	0–1	0–1	0–1	0–1	0–1	0–1	0–1	Barren	0–1	Barren	0–1	0–1
B	Episammic	*Achnanthes lemmermannii*				x																																									
F	Epiphytic and pelagic	*Actinocyclus normanii* fo. *subsalsa*?																										x																		
BM	Pelagic	*Actinocyclus octonarius*								x					x		x	x	x		x	x	x	x		x																		x	
BF	Pelagic	*Actinocyclus octonarius* var. *crassus*	x																																											
BF	Pelagic	*Actinocyclus octonarius* var. *tenellus*									x								x	x						x																				
M	Benthic	*Actinoptychus senarius*	x	x	x		x			x	x		x	x				x					x			x	x			x														x	
F	Epipelic and epilithic	*Amphora copulata*																														x														
BF	Epipelic and epilithic	*Amphora ovalis*					x			x				x				x	x	x					x	x	x							x										
BF	Epipelic and epilithic	*Amphora pediculus*																												x		x	x												
B	Epipelic	*Amphora robusta*			x						x		x	x				x	x	x	x		x	x		x																			
B	Epipelic and epiphytic	*Amphora subholsatica*																	x						x																				
M	Epiphytic	*Ardissonea fulgens*												x	x					x	x										x			x											
M	Pelagic?	*Auliscus caelatus*																						x					x				x												
F		*Aulacoseira ambigua*																											x			x	c	c											
F		*Aulacoseira granulata*																											x	x			c	c											
F	Pelagic	*Auloacoseira islandica*																								x						x	c	x											
BM?	Epipelic and epilithic	*Bacillaria socialis*								x	x		x	x					x	x			x		x	x																		x	
B	Epipelic	*Caloneis aemula*																		x			x	x		x																			
M	Epipelic?	*Caloneis elongata*							x				x					x		x	x		x			x																			
F?	Epipelic?	*Caloneis schumanniana*																														x													
BF	Epipelic	*Campylodiscus bicostatus*																									x																		
M/B	Pelagic	*Chaetoceros* resting spores spp.	x	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x												x		x	x
M/B	Pelagic	*Chaetoceros* spp. vegetative cells										x	x	x						x						x																				
F	Epipsammic	*Cocconeis disculus*																x	x				x	x	x	x						x	x											
B	Epipsammic	*Cocconeis neothumensis*																x															x											
BM	Epipsammic	*Cocconeis peltoides*								x																																			
BF	Epiphytic and epilithic	*Cocconeis placentula*					x							x							x						x			x														
B?	Epipsammic?	*Cocconeis quarnerensis*																					x	x																				
B	Epiphytic	*Cocconeis scutellum*	x	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x													
B	Pelagic	*Coscinodiscus astermophalus*							x										x																										
B	Pelagic	*Coscinodiscus granii*																								x							x												
B	Pelagic and epilithic	*Cyclotella choctawhatcheeana*														x			x				x				x	x	x	x	x														x
F	Littoral?	*Cyclotella ocellata*																															x	x											
F	Pelagic	*Cyclotella radiosa*																															x	x	x										
B?	Littoral?	*Cyclotella striata*	x														x	x			x		x	x	x	x	x	x			x													
BF	Epipelic	*Cymatopleura solea* var. *apiculata*																															x												
F	Epilithic	*Denticula tenuis* var. *crassula*										x																																	
F	Epiphytic and pelagic	*Diatoma tenuis*																																	x											
M	Benthic	*Dimeregramma minor*			x	x	x		x		c	x	x	x	x	x		c	x	x	c	x	x	x	x	x	x	x	x	x														
M	Epipelic?	*Diploneis coffaeiformis*																					x						x																
M	Epipelic?	*Diploneis decipiens* var. *parallela*												x		x									x	x																			
B	Epipelic	*Diploneis didyma*	x													x	x									x		x	x	x	x														
F	Epipelic	*Diploneis mauleri*																																	x										
BF	Epipelic	*Diploneis smithii*				x	x	x	x	x			x	x		x	x	x	x		x	x	x	x	x	c			x	x	x												x	
B	Epipelic	*Diploneis stroemii*	x			x			x		x	x			x				x	x	x	x	x		x	x					x													
M	Epipelic?	*Diploneis subcincta*																										x	x		x													
F	Epipelic	*Ellerbekia arenaria*																														x	x											
B	Epipelic	*Entomoneis pseudoduplex*																								x																		
B	Epiphytic	*Epithemia adnata*						x																																				
F?	Epiphytic?	*Epithemia frickei*																														x												
BF	Epiphytic	*Epithemia sorex*																														x												
BF	Epiphytic	*Epithemia turgida*		x																						x																	
BF	Epiphytic	*Epithemia turgida* var. *westermannii*																					x	x						x	x	x											
M	Pelagic	*Eucampia zodiacus*						x				x						x																										
M		*Fallacia litoricola*									x	x		x				x	x	x			x	x		x		x																
BM	Epipelic	*Fallacia pseudony*/*Fallacia oculiformis*																								x					x												
M/B		*Fallacia* spp			x															x																								x
B	Episammic	*Fragilaria amicorum*																																									x	
M		*Fragilaria capensis*																																									x	
F		*Fragilaria* cf. *elliptica*																												x			x											
B	Epipsammic	*Fragilaria gedanensis*				x							x																															
F	Pelagic	*Fragilaria heidenii*																																								x	
F	Pelagic	*Fragilaria heidenii* var. *istvanffyi*																																									x
F	Pelagic?	*Fragilaria tenera*/*delicatissima*																																x										
M		*Fragilariopsis oceanica*					x																																					
BM		*Grammatophora macilenta*	x																																									
BM	Epiphytic	*Grammatophora oceanica*		x	x	x	x		x	x	x		x		x	x	x	x	x	x	x	x	x	x	x	x		x	x	x													
M	Epiphytic	*Hyalodiscus scoticus*	x	x	x		x	x	x	x	x	x	x	x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x													
F	Epipsammic	*Karayevia clevei*																															x	x	x										
M		*Lyrella* cf. *spectabilis*																								x																		
F	Epipsammic	*Martyana martyii*																							x	x					x		x	x	x									x	
M	Epipelic and epilithic?	*Mastogloia* cf. *grunowii*									x		x																															
BF	Epipelic and epilithic	*Mastogloia elliptica*																															x	x											
BM	Epipelic and epilithic	*Mastogloia exigua*													x			x		x	x						x	x	x															
B	Epipelic and epilithic	*Mastogloia lanceolata*																		x							x	x																
B	Epipelic and epilithic	*Mastogloia pusilla*																							x		x			x														
BF	Epipelic and epilithic	*Mastogloia smithii*										x							x						x																		
B	Epipelic and epilithic?	*Mastogloia smithii* var. *amphicephala*																												x												
B?	Epipelic and epilithic?	*Mastogloia* sp.		x														x																								
M	Epipelic	*Navicula arenaria*										x	x					x								x																	
BF		*Navicula cincta*																				x		x																		
B		*Navicula digitoradiata*							x	x																x																	
M		*Navicula kariana* var. *frigida*																				x				x																	
B		*Navicula palpebralis*			x								x											x	x	x																	
B	Epipelic	*Navicula peregrina*					x		x			x	x	x					x			x			x	x																	
B	Epipelic	*Navicula phyllepta*																						x		x																	
F	Epipelic	*Navicula radiosa*																														x											
M		*Navicula ramosissima*						x	x									x																									
BF	Epipelic	*Navicula rhynocephala*																																x									
F	Epipelic	*Navicula scutelloides*																														x											
M		*Nitzschia grossestriata*																	x				x																			
B	Epipelic and pelagic	*Nitzschia lorenziana*																						x	x					x												
M		*Nitzschia marginulata*												x		x						x		x																		
M		*Nitzschia rorida*												x	x				x	x	x			x							x											
M	Sea ice	*Nitzschia scabra*																			x	x		x	x																	
M	Epiphytic and epipelic	*Odontella aurita*					x		x	x	x		x	x												x	x															
M	Epipsammic	*Opephora marina*		x		x	x	x	x			x		x	x	x				x	x	x	x	x	x	x	x	x		x												
M	Littoral	*Opephora minuta*																																									x	
B	Epipsammic and epiphytic	*Opephora mutabilis*					x						x						x	x	x			x		x		x	x	x												
M		*Opephora pacifica*																						x				x		x	x	x											
B	Tychoplanktonic	*Paralia sulcata*	x	c	x	x	x	x	x	x	x	x	c	c	c	x	c	c	x	x	x	x	x	x	x	x	c	c	c	c	c	x	x		x	x						x	x
B	Epipelic	*Petroneis humerosa*			x																																						
M		*Pinnularia quadratarea*										x	x	x																													
B	Epipelic	*Placoneis clementis*													x							x																					
M	Benthic	*Plagiogramma staurophorum*												x	x	x			x			x		x	x		x	x	x			x										
M	Epipelic	*Pleurosigma angulatum*								x			x	x					x	x		x	x	x		x	x															
M	Pelagic	*Porosira glacialis*									x		x													x																	
M	Epipsammic	*Psammodiscus nitidus*																																									
B	Pelagic?	*Pseudopododira westii*																																									x
M?	Pelagic	*Pseudosolenia calcar-avis*			c				x			x						x	x		x	x	x		x	x			x	x	x											x	
BF	Epipsammic	*Psuedostaurosira brevistriata*																																									x	
B	Epipsammic	*Psuedostaurosira perminuta*																																									
BM	Epiphytic and epilithic	*Rhabdonema arcuatum*	x	x	x									x												x	x				x	x											x	
		Rhizosolenia antennata fo. *semispina*																																									x	
BM	Pelagic	*Rhizosolenia hebetata* fo. *semispina*											x													x																	x	
M	Pelagic	*Rhizosolenia pungens*							x			x													x	x			x	x														
B	Epiphytic and epilithic	*Rhoicosphenia curvata*	x						x							x				x					x																		
BM	Epipelic and epilithic	*Rhopalodia acuminata*		x	x		x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x													
BF	Epipelic and epilithic	*Rhopalodia gibba*						x			x			x																x													
B	Pelagic	*Skeletonema costatum*				x		x		x	x		x	x	x	x				x	x							x															
F	Epipelic	*Staurophora selina*					x																																				
F		*Staurosirella lapponica*																																								x	x
F	Pelagic	*Stephanodiscus* cf. *alpinus*																														x	x	x										
F	Pelagic	*Stephanodiscus minutulus*																																x									x	
F	Pelagic	*Stephanodiscus neoastraea*																														x	c	c	x									
F	Pelagic	*Stephanodiscus parvus*																																x										
F	Epiphytic	*Synedra acus*						x	x																																			
F	Epiphytic	*Synedra ulna*				x											x	x	x	x	x	x				x																	
F	Epilithic and apiphytic	*Tabelaria flocculosa*																														x	x	x									x	
B?		*Tabularia* cf. *laevis*									x																																	
BM	Epiphytic	*Tabularia fasciculata*								x	x	x					x	x	x	x	x		x		x	x																	
BM	Pelagic	*Thalassionema nitzschioides*	c	x	c	x	x	c	x	c	c	c	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	c	x	x	x											x	x
BF	Pelagic	*Thalassiosira baltica*	x			c				x	x	x						x	x		x				x	x			x														
M	Pelagic	*Thalassiosira* cf. *angulata*															x																											
M	Pelagic	*Thalassiosira eccentrica*	c				x	c	x	x	x	x			x	x			x		x	x	x		x	x																	
B	Pelagic	*Thalassiosira levanderi*	c	x		x	x	x		x				x			x	x		x	x				x	x	x			x													
M?	Pelagic	*Thalassiosira oestrupii*	c	x	x		x	x	x	x	x		x	x	x	x	x	x	x			x	x	x	x		x	x			x												
B	Pelagic	*Thalassiosira proschkinae*									x								x	x																								
M?	Pelagic	*Thalassiosira* sp.		x																								x	x	x		x											x	
M	?	*Toxarium undulatum*										x	x	x	x					x		x		x	x	x	x	x	x	x													
M	Epipelic	*Trachyneis aspera*																					x	x	x	x	x															x	
BM	Epipelic	*Tryblionella coarctata*		x						x	x			x				x	x		x		x	x	x																		
BF	Epipelic	*Tryblionella plana*						x					x													x																		
		Silicoflagellates																																										
		Dictyocha speculum	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x													
		Ebridians																																										
		Ebria tripartita								x	x	x											x							x	x													
		Crysophyte cysts																																										
		Smooth																														x	x											
		Wth spines																																										
		Wth curves																																x										
		Dots																																										x

F = freshwater, BF = brackish-freshwater, B = brackish, BM = brackish-marine, M = marine. x = present, c = common. ? = uncertain.