

Table 2. Occurrence of diatoms at Site 613 (Hole 613).

Core-Section, interval (cm)	<i>Actinocyclus ehrenbergii</i>	<i>Actinopychus senarius</i>	<i>A. splendens</i>	<i>Asterolampra vulgaris</i>	<i>Brighwellia hyperborea</i>	Cocconeis spp.	<i>C. endoi</i>	<i>C. lineatus</i>	<i>C. marginatus</i>	<i>C. radiatus</i>	Coccinodiscus spp.	<i>Delphineis</i> aff. <i>D. penelliptica</i>	<i>Denticulopsis</i> sp.	<i>Diploneis bombus</i>	<i>D. crabro</i>	<i>D. elliptica</i>	<i>Eucotogramma wessii</i> var. <i>producta</i>	<i>Gonioecum odontella</i>	<i>Grammatophora</i> sp.	<i>Hemianulus polyzystinorum</i>	<i>H. polymorphus</i>	<i>Hemianulus</i> spp.	<i>Hemidiscus cuneiformis</i>	<i>Melosira architecturata</i>	<i>M. bella</i>	<i>M. granulata</i>	<i>M. westii</i>	<i>Navicula hennedyi</i>	<i>Nitzschia reinholdii</i>	<i>Nitzschia</i> spp.	<i>Paralia sulcata</i>	<i>Podiara steller</i>	<i>Pseudocella barbadense</i>	<i>Pterotheca aculeifera</i>	<i>Pseudonornia doliofus</i>	<i>Pyrgopyx</i> aff. <i>P. gracilis</i>	<i>Pyrgopyx</i> sp.	<i>Rhizosolenia barboi</i>	<i>Roperia tessellata</i> var. <i>crenulatus</i>	<i>Stephanopyx tarris</i>	<i>Stephanopyx</i> sp.	<i>Synedra jouseana</i>	<i>Thalassiosira zobelineae</i>	<i>Thalassiothrix longissima</i>	<i>Thierium pileolus</i>	<i>T. schultzi</i>	
2-2, 50-52	4					4		2													1										30			1				2	1	1	2	9*	Quaternary				
12-2, 50-52	2	1									1	3																			16																
13-2, 50-52	1																			1		6			1*						1	1										1		1			
14-2, 50-52	11	2					7	2			5		1								1										18			21			26	1			1*	3	6				
15-2, 50-52			1*														2*													22		15															
16-2, 50-52																	1														15																
17-2, 50-52																															1						1										
18-2, 50-52																	1*							1*	1*						2																
19-2, 50-52																	1*						1*	1*							9																
21-2, 50-52		1															1	1	4			6	8	1		12				39	2	2			1			3					2	17			
22-2, 50-52							1	2													1		5							22			1			2								3		mid-late Eocene	

Note: * indicates reworked species. Samples examined from Cores 4 to 11 were barren of diatoms except for one specimen of *Paralia sulcata* (found in Sample 613-6-2, 50-52 cm).