Table 10. Distribution and relative abundances of diatoms, Hole 1020B.

Geologic age	North Pacific diatom zone	Numeric age (Ma)*	Core, section	Sample depth (mbsf)	Offset (m)	Composite depth (mcd)	Group abundance	Preservation	Environment, type of upwelling	*Actinocyclus curvatulus*	*Actinocyclus oculatus*	*Actinocyclus* cf. *oculatus*	*Actinocyclus tenellus*	*Actinoptychus senarius*	*Aulacoseira granulata*	*Aulacoseira italica*	*Azpeitia nodulifera*	*Biddulphia aurita*	*Cocconeis costata*	*Cocconeis* sp.	*Coscinodiscus marginatus*	*Coscinodiscus oculus-iridis*	*Coscinodiscus radiatus*	*Cyclotella* sp.	*Denticulopsis lauta* s.l.	*Epithemia* spp.	*Eunotia* sp.	*Fragilariopsis doliola*	*Gomphonema* sp.	*Grammatophora* sp.	*Hemidiscus cuneiformis*	*Navicula* sp.	*Neodenticula kamtschatica*	*Neodenticula koizumii*
			167-1020B-																															
			1H-CC	7.80	0.08	7.88	R	P		F				R						R														
	NPD 12		2H-CC	17.30	–0.14	17.16	R	P						R	R											R								
			3H-CC	26.80	0.26	27.06	T	P					R																					
			4H-CC	36.30	2.08	38.38	T	P																										
		0.30	5H-CC	45.80	3.16	48.96	F	P/M		R					R	R	R				R		R	R		R	R					R		
			6H-CC	55.30	4.92	60.22	T	P													R				T									
			7H-CC	64.80	5.92	70.72	C	P/M							R														T	R				
			8H-CC	74.30	7.71	82.01	F	P/M						R	R				R				R											
Quaternary	NPD 11		9H-CC	83.80	10.19	93.99	R	P		R				F	R						R													
			10H-CC	93.30	12.05	105.35	C	P/M		R					R		R	R			R		R											
			11H-CC	101.80	11.27	113.07	F	P		R											R		R							R				
			12H-CC	112.30	12.44	124.74	C	P/M													R		R											
		1.01	13H-CC	121.80	14.88	136.68	R	P/M														R												
		1.46	14H-CC	131.30	14.98	146.28	R	P			R	R			R								R			R								
			15H-CC	140.80	14.98	155.78	A	P/M	Oceanic	F	R										R		F											
	NPD 10		16H-CC	150.30	14.93	165.23	A	M	Oceanic	R	R			R																	C			
			17H-CC	159.80	15.81	175.61	F	P/M			R										F										R			
		1.90	18H-CC	169.30	17.13	186.43	C	P/M		R	R			R							R		R					R						
		2.00	19X-CC	178.90	17.89	196.79	A	M		R											C										R			R
			20X-CC	181.50	17.89	199.39	R	P			R										R										R			F
			21X-CC	198.10	19.81	217.91	A	P/M	Oceanic	F	R										F													R
	NPD 9		22X-CC	207.70	20.19	227.89	A	M/G	Coastal/oceanic	R	R										C													R
Pliocene			23X-CC	217.30	22.03	239.33	C	P/M	Coastal/oceanic		R										C												R	R
		2.35	25X-CC	236.60	19.07	255.67	A	M	Coastal/oceanic												C										F			R
			26X-CC	246.20	19.07	265.27	R	P													C				R									
			27X-CC	255.90	19.07	274.97	B																											
	Barren		28X-CC	265.30	19.07	284.37	B																											
			29X-CC	274.70	19.07	293.77	B																											

Notes: * = Cande and Kent (1995). Shaded area = barren interval. Abundance: A = abundant, C = common, F = few, R = rare, T = trace, and B = barren. Preservation: G = good, M = moderate, and P = poor. For complete definition of terms, see "Techniques" section of this chapter.

Table 10 (continued).

Geologic age	North Pacific diatom zone	Numeric age (Ma)*	Core, section	Sample depth (mbsf)	Offset (m)	Composite depth (mcd)	Group abundance	Preservation	Environment, type of upwelling	*Neodenticula* cf. *koizumii*	*Neodenticula seminae*	*N.* sp. A sensu Akiba and Yanagisawa	*Nitzschia marina*	*Nitzschia reinholdii*	*Paralia sulcata*	*Proboscia barboi*	*Proboscia curvirostris*	*P.* cf. *curvirostris*	*Rhaphoneis* sp.	*Stephanopyxis dimorpha*	*Stephanopyxis turris*	*Stephanopyxis* sp.	*Synedra* sp.	*Thalassionema nitzschioides*	*Thalassiosira antiqua*	*Thalassiosira convexa*	*Thalassiosira eccentrica*	*Thalassiosira leptopus*	*Thalassiosira oestrupii*	*Thalassiosira* sp.	*Thalassiosira* spp. (*T. nativa* type)	*Thalassiothrix longissima*	*Thalassiothrix spp.*
			167-1020B-																															
			1H-CC	7.80	0.08	7.88	R	P			R				R				R		R			R							R	R		
	NPD 12		2H-CC	17.30	–0.14	17.16	R	P							R					F	F										R	R		
			3H-CC	26.80	0.26	27.06	T	P			R				R						R		R							R				
			4H-CC	36.30	2.08	38.38	T	P			T											T										T		
		0.30	5H-CC	45.80	3.16	48.96	F	P/M			F					R	F		R	F	F			R										
			6H-CC	55.30	4.92	60.22	T	P			R						T			R	R											T		
			7H-CC	64.80	5.92	70.72	C	P/M			R					R	T			C	C			R			R			T				
			8H-CC	74.30	7.71	82.01	F	P/M			R					R				C	C						R				R			
Quaternary	NPD 11		9H-CC	83.80	10.19	93.99	R	P			R									C	C										R			
			10H-CC	93.30	12.05	105.35	C	P/M			R						R			C	C						R					F		
			11H-CC	101.80	11.27	113.07	F	P			R					R	R			F	F											R		
			12H-CC	112.30	12.44	124.74	C	P/M			R					R	R			C	C											R		
		1.01	13H-CC	121.80	14.88	136.68	R	P/M			R			R		F				R	R													
		1.46	14H-CC	131.30	14.98	146.28	R	P			F					R	R			F	R													
			15H-CC	140.80	14.98	155.78	A	P/M	Oceanic		F			R		R		T		C	C			R								F	A	
	NPD 10		16H-CC	150.30	14.93	165.23	A	M	Oceanic		F	F	R			R				C	C											F	A	
			17H-CC	159.80	15.81	175.61	F	P/M		R	R	R		R	F	R		R		F	F			R								R		
		1.90	18H-CC	169.30	17.13	186.43	C	P/M			R	R		R		F				F	F			F				R				C		
		2.00	19X-CC	178.90	17.89	196.79	A	M			F	F		R		C				R	R				R					R		R	C	
			20X-CC	181.50	17.89	199.39	R	P			R	R				R				R	F											R		
			21X-CC	198.10	19.81	217.91	A	P/M	Oceanic				R	R		C				A	A			R	R							C	A	
	NPD 9		22X-CC	207.70	20.19	227.89	A	M/G	Coastal/oceanic		R					C				A	A											C	A	
Pliocene			23X-CC	217.30	22.03	239.33	C	P/M	Coastal/oceanic							C				A	A											R		
		2.35	25X-CC	236.60	19.07	255.67	A	M	Coastal/oceanic		R					A				R	R			R		F						R		
			26X-CC	246.20	19.07	265.27	R	P								F										F								
			27X-CC	255.90	19.07	274.97	B																											
	Barren		28X-CC	265.30	19.07	284.37	B																											
			29X-CC	274.70	19.07	293.77	B																											