

Table 5. Distribution and relative abundances of diatoms, Hole 1011B.

Geologic age	North Pacific diatom zone	Numeric age (Ma)*	Core, section, interval (cm)	Sample depth (mbsf)	Offset (m)	Composite depth (mcd)	Group abundance	Preservation	Environment, type of upwelling	<i>Actinocyclus ehrenbergii</i> vars.	<i>Actinocyclus ellipticus</i>	<i>Actinocyclus ingens</i>	<i>Actinocyclus ingens</i> f. <i>ingens</i>	<i>Actinocyclus ingens</i> f. <i>nodus</i>	<i>Actinocyclus</i> cf. <i>oculatus</i>	<i>Actinocyclus ochotensis</i>	<i>Actinocyclus tsugaruensis</i>	<i>Actinocyclus</i> sp.	<i>Actinopychus senarius</i>	<i>Amphora</i> sp.	<i>Aulacoseira granulata</i>	<i>Azpeitia endoi</i>	<i>Azpeitia nodulifera</i>	<i>Cocconeis californica</i>	<i>Cocconeis scutellum</i>	<i>Coscinodiscus marginatus</i>	<i>Coscinodiscus marginatus</i> f. <i>fossilis</i>	<i>Coscinodiscus asteromphalus</i>	<i>Coscinodiscus</i> sp.	<i>Denticulopsis lauta</i> s.l.	<i>Denticulopsis dimorpha</i>	<i>Denticulopsis hustedtii</i> (elliptical)	<i>Denticulopsis hyalina</i>	<i>Denticulopsis katayamae</i>					
Pleistocene	Unzoned		167-1011B-1H-CC	8.40	0.00	8.40	T	P																															
			2H-CC	17.90	0.53	18.43	T	P																															
			3H-CC	27.40	3.24	30.64	T	P																															
			4H-CC	36.90	4.04	40.94	T	P																															
			5H-CC	46.40	4.58	50.98	R	P																															
			6H-CC	55.90	5.28	61.18	T	P																															
			7H-CC	65.40	6.52	71.92	T	P																															
			8H-CC	74.90	6.32	81.22	T	P																															
			9H-CC	84.40	6.22	90.62	T	P																															
			10H-CC	93.90	6.92	100.82	T	P																															
Pliocene	Unzoned		11H-CC	103.40	7.04	110.44	T	P																															
			12H-CC	112.90	8.24	121.14	T	P																															
			13H-CC	122.40	8.96	131.36	T	P																															
			14H-CC	131.90	10.30	142.20	T	P																															
			15H-CC	137.90	10.94	148.84	B																																
			16X-CC	146.50	10.94	157.44	B																																
			17X-CC	156.20	10.56	166.76	R	P																															
			18X-CC	165.70	10.56	176.26	R	P																															
			19X-3, 21-22	168.91	12.12	181.03	R	P																															
			19X-5, 21-22	171.91	12.12	184.03	R	P																															
late Miocene	NPD 7A	7.6	19X-CC	175.40	12.12	187.52	F	M																															
			20X-3, 21-22	178.61	14.44	193.05	R	P																															
			20X-5, 21-22	181.61	14.44	196.05	C	P																															
			20X-CC	185.00	14.44	199.44	F	P																															
			21X-3, 21-22	188.21	14.44	202.65	T	P																															
			21X-5, 21-22	191.21	14.44	205.65	R	P																															
			21X-CC	194.60	14.44	209.04	C	M																															
			22X-3, 20-21	197.80	14.44	212.24	R	P																															
			22X-5, 20-21	200.80	14.44	215.24	R	P																															
			22X-CC	204.30	14.44	218.74	F	P																															
late Miocene	NPD 6B	7.6	23X-3, 20-21	207.50	14.44	221.94	R	P																															
			23X-5, 20-21	210.50	14.44	224.94	R	P																															
			23X-CC	213.90	14.44	228.34	A	G			Coastal/oceanic																												
			24X-3, 21-22	217.11	14.44	231.55	C	P			Coastal	T	R																										
			24X-5, 21-22	220.11	14.44	234.55	C	P			Coastal																												
			24X-CC	223.50	14.44	237.94	A	G			Coastal			T																									
			25X-3, 20-22	226.70	14.44	241.14	C	P			Coastal			R																									
			25X-5, 19-21	229.69	14.44	244.13	C	P			Coastal			R		R																							
			25X-CC	233.20	14.44	247.64	A	G			Coastal/oceanic																												
			26X-3, 20-21	236.40	14.44	250.84	C	P			Coastal			R																									
26X-5, 20-21	239.40	14.44	253.84	A	M			Coastal/oceanic			R																												
late Miocene	NPD 6A	8.6	26X-CC	242.80	14.44	257.24	A	G																															
			27X-3, 21-22	246.01	14.44	260.45	C	M			Coastal			F																									
			27X-5, 21-22	249.01	14.44	263.45	A	M			Coastal	R	T																										
			27X-CC	252.40	14.44	266.84	A	G			Coastal/oceanic			R																									
			28X-3, 21-22	255.61	14.44	270.05	A	G			Oceanic	R	T																										
			28X-5, 21-22	258.61	14.44	273.05	C	M			Coastal			R																									
			28X-CC	262.10	14.44	276.54	A	G			Oceanic			R																									
			29X-1, 4-7	262.14	14.44	276.58	C	M			Oceanic			R																									
			29X-CC	271.70	14.44	286.14	A	G			Oceanic			R																									

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.

