

Table T3. Diatom range distribution chart for Site 1040. (See table notes. Continued on next three pages.)

Table T3 (continued).

Diatom zone	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	<i>Actinocyclus ellipticus</i> <i>Actinocyclus ellipticus</i> var. <i>javanica</i> <i>Actinocyclus ingens</i> <i>Actinocyclus moronensis</i> <i>Actinopylethus seminarius</i> + <i>A. minutus</i>	<i>Anellus californicus</i> <i>Asteromphalus elegans</i> <i>Appeitia nodulifer</i> <i>Cavatitus jouseanus</i> <i>Cestodiscus peplum</i>	<i>Cestodiscus pulchellus</i> <i>Coscinodiscus gigas</i> var. <i>diorama</i> <i>Coscinodiscus levianus</i> <i>Coscinodiscus lewisanus</i> var. <i>similis</i> <i>Coscinodiscus marginatus</i>	<i>Craspedodiscus coscinodiscus</i> <i>Crucidenticula nivobanca</i> <i>Denticulopsis hustedtii</i> <i>Fragilariopsis doliolus</i> <i>Hemidiscus cuneiformis</i>	<i>Nitzschia fossillis</i> <i>Nitzschia marina</i> <i>Nitzschia miocenica</i> <i>Nitzschia porteri</i> <i>Nitzschia reinholdii</i>	<i>Rhizosolenia praebergonii</i> var. <i>robusta</i> <i>Rossiella paleacea</i> <i>Thalassionema nitzschioides</i> <i>Thalassiosira brunii</i> <i>Thalassiosira convexa</i> var. <i>aspinosa</i>	<i>Thalassiosira oestersii</i> <i>Thalassiosira praeconvexa</i> <i>Thalassiosira tappanae</i> <i>Thalassiosira yabei</i> <i>Thalassiothrix longissima</i>	<i>Triterium pileus</i> Benthics + Chaetoceros
Undetermined	6R-5, 49-50 6R-CC 7R-2, 113-114 7R-CC 8R-2, 105-106 8R-5, 49-50 8R-CC 9R-2, 123-124 9R-5, 52-53 9R-CC 10R-2, 123-125 10R-5, 73-74 10R-CC 11R-2, 124-125 11R-5, 49-50 11R-CC 12R-2, 126-127 12R-5, 48-49 12R-CC 13R-2, 123-124 13R-5, 49-50 13R-CC 14R-2, 124-125 14R-5, 49-50 14R-CC 15R-2, 124-125 15R-5, 49-50 15R-CC 16R-1, 122-123 16R-CC 17R-1, 123-124 17R-CC 18R-2, 109-110 18R-CC 19R-1, 119-120 19R-CC 20R-2, 121-125 20R-5, 36-39	213.79 215.14 219.53 222.36 229.05 232.99 233.21 238.83 242.68 246.05 248.53 252.53 253.31 258.14 261.2 264.35 267.86 271.58 272.14 277.43 280.79 282.7 287.14 290.89 291.95 296.84 300.59 303.91 304.92 306.84 314.53 317.58 325.59 327.11 333.79 338.33 344.91 348.56	B B B B B R B P B	P P	<i>Actinocyclus ellipticus</i> <i>Actinocyclus ellipticus</i> var. <i>javanica</i> <i>Actinocyclus ingens</i> <i>Actinocyclus moronensis</i> <i>Actinopylethus seminarius</i> + <i>A. minutus</i>	<i>Anellus californicus</i> <i>Asteromphalus elegans</i> <i>Appeitia nodulifer</i> <i>Cavatitus jouseanus</i> <i>Cestodiscus peplum</i>	<i>Cestodiscus pulchellus</i> <i>Coscinodiscus gigas</i> var. <i>diorama</i> <i>Coscinodiscus levianus</i> <i>Coscinodiscus lewisanus</i> var. <i>similis</i> <i>Coscinodiscus marginatus</i>	<i>Craspedodiscus coscinodiscus</i> <i>Crucidenticula nivobanca</i> <i>Denticulopsis hustedtii</i> <i>Fragilariopsis doliolus</i> <i>Hemidiscus cuneiformis</i>	<i>Nitzschia fossillis</i> <i>Nitzschia marina</i> <i>Nitzschia miocenica</i> <i>Nitzschia porteri</i> <i>Nitzschia reinholdii</i>	<i>Rhizosolenia praebergonii</i> var. <i>robusta</i> <i>Rossiella paleacea</i> <i>Thalassionema nitzschioides</i> <i>Thalassiosira brunii</i> <i>Thalassiosira convexa</i> var. <i>aspinosa</i>	<i>Thalassiosira oestersii</i> <i>Thalassiosira praeconvexa</i> <i>Thalassiosira tappanae</i> <i>Thalassiosira yabei</i> <i>Thalassiothrix longissima</i>	<i>Triterium pileus</i> Benthics + Chaetoceros

L.D. WHITE
DIATOM BIOSTRATIGRAPHY OF SITES 1039-1043

Table T3 (continued).

Diatom zone	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	<i>Actinocyclus ellipticus</i>	<i>Actinocyclus ellipticus</i> var. <i>javanica</i>	<i>Actinocyclus ingens</i>	<i>Actinocyclus moronensis</i>	<i>Actinopychus senarius</i> + <i>A. minutus</i>	<i>Anellus californicus</i>	<i>Asteromphalus elegans</i>	<i>Azeptia nodulifer</i>	<i>Cavitatus jouseanus</i>	<i>Cestodiscus pepillum</i>	<i>Cestodiscus pulchellus</i>	<i>Coscinodiscus gigas</i> var. <i>diorama</i>	<i>Coscinodiscus lewisianus</i>	<i>Coscinodiscus lewisianus</i> var. <i>similis</i>	<i>Coscinodiscus marginatus</i>	<i>Craspedodiscus coscinodiscus</i>	<i>Crucidentula nivobanca</i>	<i>Denticulopsis hustedtii</i>	<i>Fragilariopsis doliolus</i>	<i>Hemidiscus cuneiformis</i>	<i>Nitzschia fossili</i>	<i>Nitzschia marina</i>	<i>Nitzschia miocenica</i>	<i>Nitzschia porteri</i>	<i>Nitzschia reinholdii</i>	<i>Rhizosolenia praebergonii</i> var. <i>robusta</i>	<i>Rossiella paleacea</i>	<i>Thalassionema nitzschioides</i>	<i>Thalassiosira brunii</i>	<i>Thalassiosira convexa</i> var. <i>aspinosa</i>	<i>Thalassiosira ostrearia</i>	<i>Thalassiosira praecurvata</i>	<i>Thalassiosira tappanae</i>	<i>Thalassiosira yabei</i>	<i>Thalassiothrix longissima</i>	<i>Triticarium pilosum</i>	Benthics + Chaetoceros
Undetermined	20R-CC	350.78	B	P																																					
	21R-2, 124-125	354.54	B																																						
	21R-5, 48-49	358.28	B																																						
	21R-CC	361.64	B																																						
	22R-2, 123-125	364.13	R																																						
	22R-5, 49-50	367.89	B																																						
	22R-CC	371.21	B																																						
<i>Fragilariopsis doliolus</i>	23R-2, 124-125	373.74	C	M																																					
	23R-CC	376.2	F	M																																					
	24R-2, 124-125	383.34	A	M																																					
	24R-CC	385.6	C	M																																					
	25R-CC	397.88	C	M																																					
	26R-CC	405.74	C	M																																					
	27R-CC	417.37	A	M	r																																				
<i>N. reinholdii</i>	28R-2, 125-150	420.37	F	P																																					
	28R-3, 42-43	420.8	F	P																																					
	28R-CC	425.3	R	P																																					
	29R-3	432.57	F	G																																					
	30R-CC	446.73	B																																						
	31R-CC	454.17	B																																						
	32R-CC	466.26	B																																						
<i>Undifferentiated Nitzschia marina</i> to <i>Thalassiosira yabei</i>	33R-CC	476.89	R	P																																					
	34R-3, 125-150	487.96	F	M																																					
<i>Actinocyclus moronensis</i>	34R-CC	483.46	F	M																																					
	35R-3, 132-152	487.96	F	P																																					
<i>Craspedodiscus coscinodiscus</i>	35R-4	491.79	C	P	r																																				
	36R-CC	502.33	C	G																																					
<i>Coscinodiscus gigas</i> var. <i>diorama</i>	37R-CC	511.76	C	M																																					
	38R-6	523.13	A	G	R																																				
<i>Coscinodiscus lewisianus</i>	39R-5	531.31	C	G	F																																				
	40R-CC	544.31	A	M	F	R																																			
	41R-CC	553.94	A	G	F	R																																			
	42R-CC	563.46	A	M	C																																				

Table T3 (continued).

Diatom zone	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	<i>Actinocyclus ellipticus</i>	<i>Actinocyclus ellipticus</i> var. <i>javanica</i>	<i>Actinocyclus ingens</i>	<i>Actinocyclus moronensis</i>	<i>Actinopychus senarius</i> + <i>A. minutus</i>	<i>Anellus californicus</i>	<i>Asteromphalus elegans</i>	<i>Azeptia nodulifer</i>	<i>Cavitatus jouseanus</i>	<i>Cestodiscus peplum</i>	<i>Cestodiscus pulchellus</i>	<i>Coscinodiscus gigas</i> var. <i>diorama</i>	<i>Coscinodiscus levianus</i>	<i>Coscinodiscus levianus</i> var. <i>similis</i>	<i>Coscinodiscus marginatus</i>	<i>Craspedodiscus coscinodiscus</i>	<i>Crucidenticula nivobanca</i>	<i>Denticulopsis hustedtii</i>	<i>Fragilariopsis doliolus</i>	<i>Hemidiscus cuneiformis</i>	<i>Nitzschia fossili</i>	<i>Nitzschia marina</i>	<i>Nitzschia miocenica</i>	<i>Nitzschia porteri</i>	<i>Nitzschia reinholdii</i>	<i>Rhizosolenia praebergonii</i> var. <i>robusta</i>	<i>Rossiella paleacea</i>	<i>Thalassionema nitzschioides</i>	<i>Thalassiosira brunii</i>	<i>Thalassiosira convexa</i> var. <i>aspinosa</i>	<i>Thalassiosira ostrearia</i>	<i>Thalassiosira praecanvexa</i>	<i>Thalassiosira tappanae</i>	<i>Thalassiosira yabei</i>	<i>Thalassiothrix longissima</i>	<i>Triterium pilosus</i>	Benthics + <i>Chaetoceros</i>
Cestodiscus peplum subzone B	43R-CC	568.57	A	M											F	F	F	F	F	A	C	F																			
	44R-CC	579.31	A	M	G										F	F	F	F	F																						
	45R-CC	590.02	A	G											C																										
	46R-CC	598.86	A	G											R																										
	47R-CC	611.78	A	M											C	R																									
	48R-CC	621.45	A	M											F	R																									
	49R-6	629.99	A	M											F	F																									
Cestodiscus peplum subzone A	50R-6	638.28	A	M											R	F				F	C	F																			
	51R-CC	646.55	B																																						

Notes: Abundance abbreviations: A = abundant, C = common, R = rare, B = barren, r = reworked. Preservation abbreviations: G = good, M = moderate, P = poor. Sz = subzone. The column labeled "Benthics + *Chaetoceros*" records the presence of one or more of the following diatom genera: *Chaetoceros*, *Cocconeis*, *Dephineis*, *Diplotheis*, *Rhaponeis*, and *Paralia*. Shaded intervals reflect uncertainty in placement of zonal boundaries.