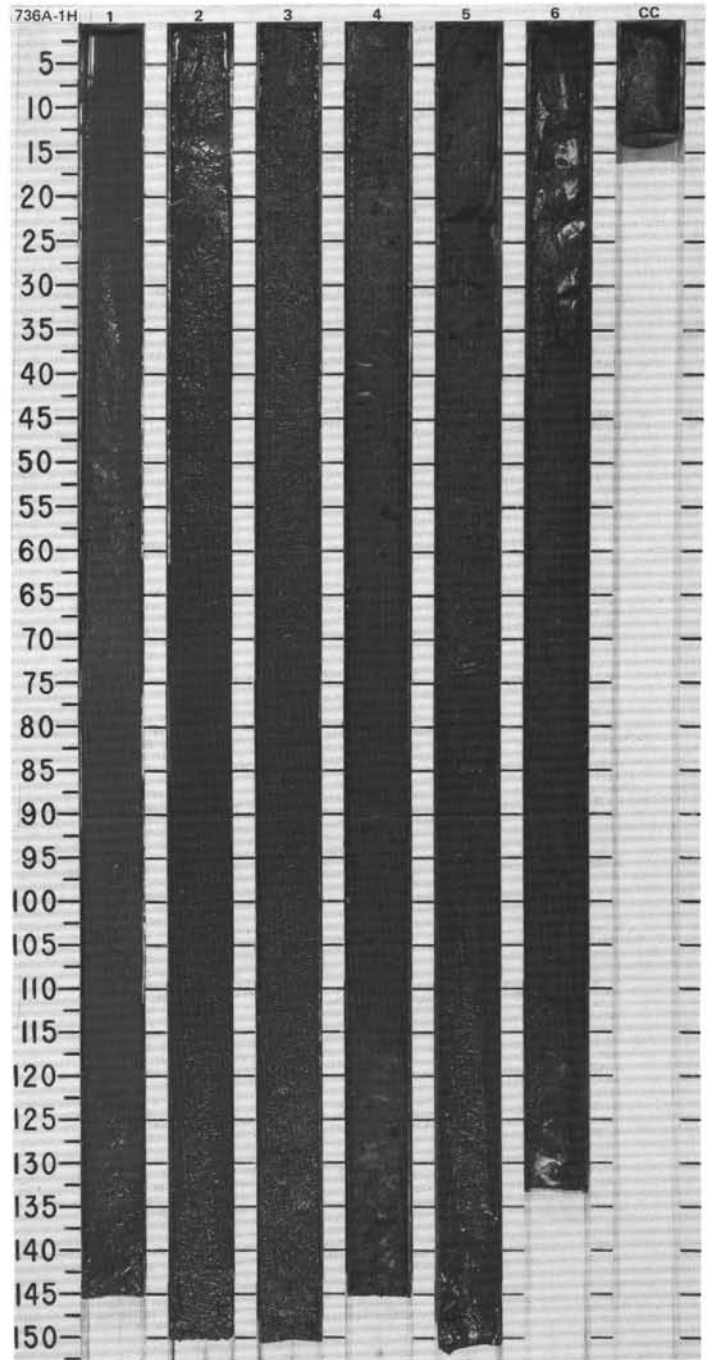


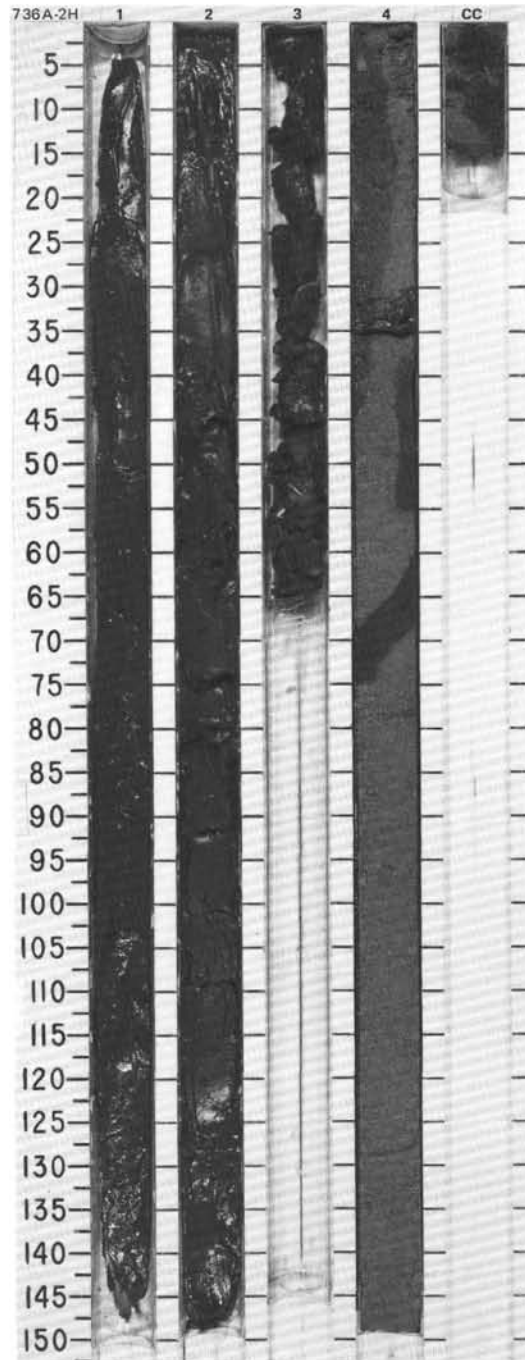
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER					SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																																																																							
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QUATERNARY											<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze. Sections 1, 2, 3, 4 (0-35 cm) olive (5Y 4/4 to 5Y 5/4), homogeneous. Sections 4 (35-150 cm), 5, 6, CC gradually darkening downwards from olive (5Y 4/4) to dark olive gray (5Y 4/3 to 5Y 3/2), some burrows in Section 4, dispersed pebbles (L; including basaltic and firm clay clasts). Section 4 contains small sand pockets of 1 cm diameter between 110 and 150 cm.</p> <p>Core catcher (0-12 cm) coarse fraction: dark olive gray (5Y 3/2), angular grains of quartz, volcanic glass, basaltic rock and sandstone fragments.</p> <p>Drilling disturbance: soft sediment with water cover in Section 1 (0-145 cm); core otherwise undisturbed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 99</td> <td>1, 112</td> <td>2, 98</td> <td>4, 90</td> <td>4, 145</td> <td>5, 25</td> <td>CC</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>10</td> <td>7</td> <td>10</td> <td>10</td> <td>5</td> <td>10</td> <td>-</td> </tr> <tr> <td>Silt</td> <td>80</td> <td>88</td> <td>80</td> <td>85</td> <td>80</td> <td>85</td> <td>80</td> </tr> <tr> <td>Clay</td> <td>10</td> <td>5</td> <td>10</td> <td>5</td> <td>15</td> <td>5</td> <td>20</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Access. Minerals</td> <td>Tr</td> <td>2</td> <td>-</td> <td>Tr</td> <td>Tr</td> <td>-</td> <td>-</td> </tr> <tr> <td>Clay</td> <td>10</td> <td>-</td> <td>10</td> <td>-</td> <td>2</td> <td>-</td> <td>10</td> </tr> <tr> <td>Diatoms</td> <td>85</td> <td>83</td> <td>80</td> <td>90</td> <td>90</td> <td>80</td> <td>80</td> </tr> <tr> <td>Feldspar</td> <td>-</td> <td>7</td> <td>-</td> <td>2</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Foraminifers</td> <td>5</td> <td>-</td> <td>10</td> <td>-</td> <td>-</td> <td>8</td> <td>-</td> </tr> <tr> <td>Glass</td> <td>-</td> <td>1</td> <td>-</td> <td>-</td> <td>2</td> <td>2</td> <td>-</td> </tr> <tr> <td>Nannofossils</td> <td>-</td> <td>-</td> <td>-</td> <td>5</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Pumice</td> <td>-</td> <td>7</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Quartz</td> <td>-</td> <td>-</td> <td>-</td> <td>3</td> <td>2</td> <td>-</td> <td>2</td> </tr> <tr> <td>Rock Fragment</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>2</td> <td>-</td> <td>-</td> </tr> <tr> <td>Silicoflagellates</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Tr</td> <td>-</td> </tr> <tr> <td>Spicules</td> <td>-</td> <td>-</td> <td>Tr</td> <td>-</td> <td>2</td> <td>Tr</td> <td>5</td> </tr> </table>		1, 99	1, 112	2, 98	4, 90	4, 145	5, 25	CC	D	D	D	D	D	D	D	D	Sand	10	7	10	10	5	10	-	Silt	80	88	80	85	80	85	80	Clay	10	5	10	5	15	5	20	Access. Minerals	Tr	2	-	Tr	Tr	-	-	Clay	10	-	10	-	2	-	10	Diatoms	85	83	80	90	90	80	80	Feldspar	-	7	-	2	-	-	-	Foraminifers	5	-	10	-	-	8	-	Glass	-	1	-	-	2	2	-	Nannofossils	-	-	-	5	-	-	-	Pumice	-	7	-	-	-	-	-	Quartz	-	-	-	3	2	-	2	Rock Fragment	-	-	-	-	2	-	-	Silicoflagellates	-	-	-	-	-	Tr	-	Spicules	-	-	Tr	-	2	Tr	5
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Information on Core Description Forms, for ALL sites, represents field notes taken aboard ship. Some of this information has been refined in accord with post-cruise findings, but production schedules prohibit definitive correlation of these forms with subsequent findings. Thus the reader should be alerted to the occasional ambiguity or discrepancy.

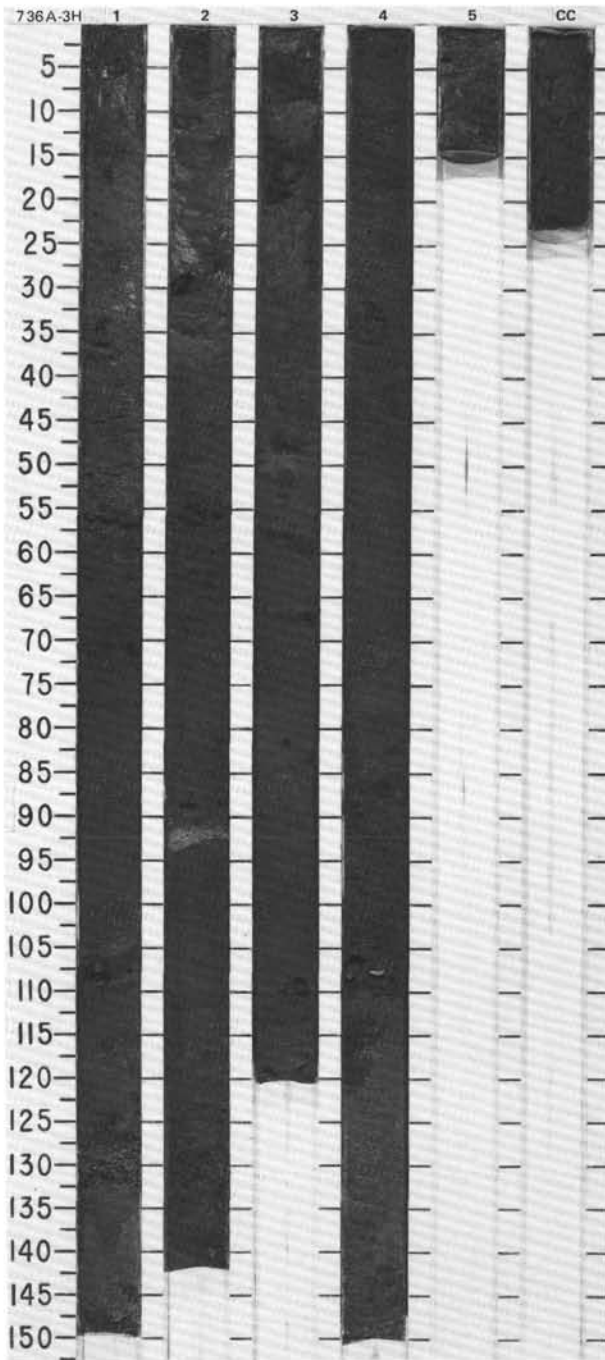


SITE 736 HOLE A CORE 2H CORED INTERVAL 9.0-18.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER					PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION														
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	DINOFAGELLATES																							
QUATERNARY	C/G	B	A/G						0.5 1.0					DIATOM OOZE with VOLCANIC DETRITUS and DIATOM OOZE Major lithologies: a. Diatom ooze with volcanic detritus, olive-gray (5Y 3/2) with minor disseminated volcanic sand and silt and scattered subangular volcanic (basaltic) granules and pebbles. b. Diatom ooze, olive (5Y 5/4), clayey-silt textured, homogeneous. Post depositional disturbance in form of 4 cm wide irregular sub-vertical patches of the olive-gray (5Y 3/2) diatom ooze with volcanic detritus set in pure olive (5Y 5/4) ooze. Patch boundaries are sharp but cusped. This is not drilling disturbance or burrowing. Drilling disturbance: deformation at top of core. SMEAR SLIDE SUMMARY (%): <table border="1" style="margin-top: 10px;"> <tr> <td></td> <td>1, 18</td> <td>1, 40</td> <td>1, 97</td> <td>2, 30</td> <td>2, 120</td> <td>3, 40</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> TEXTURE: Sand 1 5 5 8 5 10 Silt 80 75 80 87 90 80 Clay 19 20 15 5 5 10		1, 18	1, 40	1, 97	2, 30	2, 120	3, 40	D	D	D	D	D	D	D
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	C/G	B	A/G					2	1.0					COMPOSITION: Access. Minerals Tr — — Tr Tr Tr Clay — 4 10 — 8 10 Diatoms 90 95 85 92 90 85 Feldspar 6 — — 2 — — Foraminifers — — 2 2 — — Glass — Tr — Tr — — Nannofossils — — — — — — Pyrite — Tr — — — — Quartz Tr — 2 1 — — Silicoflagellates Tr — — — — Spicules Tr 1 — — — — SMEAR SLIDE SUMMARY (%): <table border="1" style="margin-top: 10px;"> <tr> <td></td> <td>4, 32</td> <td>4, 91</td> <td>4, 129</td> <td>CC, 4</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> TEXTURE: Sand 3 10 5 20 Silt 90 80 87 75 Clay 7 10 8 5		4, 32	4, 91	4, 129	CC, 4	D	D	D	D	D				
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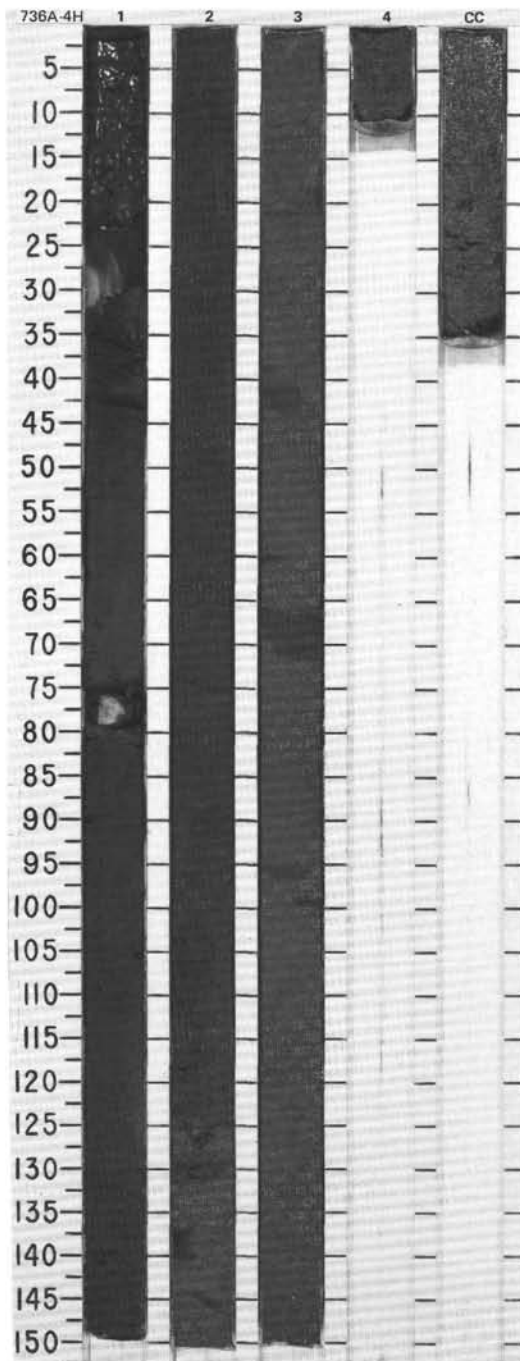


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION																																																																																																																																																																														
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C/G	<i>Neogloboquadrina pachyderma</i> interval				●=57% 7-1.40		1			<p>DIATOM OOZE with VOLCANIC DETRITUS</p> <p>Major lithology: Diatom ooze with volcanic detritus, dark olive gray (5Y 3/2, 5Y 4/1), containing disseminated volcanic sand-silt and usually with scattered subangular granules or pebbles of basalt or pumice. Some isolated basalt pebbles reach 50 mm in size (Section 3, 15 cm, 80 cm, 110 cm; Section 4, 30 cm). There is no clear evidence of bioturbation.</p> <p>Minor lithologies: a. Diatomaceous volcanic sand-silt, olive gray to black (5Y 3/2 to 5Y 2.5/1) (Section 3, 0-34 cm, 46-67 cm; Section 4, 29-37 cm). b. Pumiceous coarse or gravelly sand, dark olive (5Y 5/2) with well-rounded pumice grains (Section 1, 49-55 cm, 65-70 cm, 125-132 cm; Section 2, 52-64 cm, 79-95 cm; Section 3, 52-55 cm, 90-92 cm; Section 4, 90-120 cm) or basaltic granules and sand.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 77</td> <td>1, 102</td> <td>1, 130</td> <td>1, 130</td> <td>2, 21</td> <td>2, 30</td> <td>3, 51</td> </tr> <tr> <td></td> <td>M</td> <td>D</td> <td>M</td> <td>D</td> <td>D</td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>70</td> <td>20</td> <td>10</td> <td>30</td> <td>25</td> <td>5</td> <td>15</td> </tr> <tr> <td>Silt</td> <td>25</td> <td>75</td> <td>85</td> <td>65</td> <td>50</td> <td>80</td> <td>80</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>25</td> <td>15</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Access. Minerals</td> <td>—</td> <td>10</td> <td>—</td> <td>5</td> <td>10</td> <td>—</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>Tr</td> <td>15</td> <td>—</td> </tr> <tr> <td>Diatoms</td> <td>3</td> <td>85</td> <td>10</td> <td>65</td> <td>60</td> <td>—</td> <td>80</td> </tr> <tr> <td>Feldspar</td> <td>75</td> <td>—</td> <td>30</td> <td>—</td> <td>15</td> <td>30</td> <td>5</td> </tr> <tr> <td>Foraminifers</td> <td>2</td> <td>Tr</td> <td>10</td> <td>Tr</td> <td>Tr</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Glass</td> <td>—</td> <td>3</td> <td>3</td> <td>25</td> <td>10</td> <td>30</td> <td>5</td> </tr> <tr> <td>Glauconite</td> <td>1</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Olivine</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>20</td> <td>—</td> </tr> <tr> <td>Opauques</td> <td>10</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Pumice</td> <td>5</td> <td>—</td> <td>40</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Pyroxene</td> <td>2</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> <td>5</td> <td>—</td> </tr> <tr> <td>Radiolarians</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>Tr</td> <td>—</td> <td>—</td> </tr> <tr> <td>Spicules</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>Tr</td> </tr> </table> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>3, 72</td> <td>4, 48</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>5</td> <td>2</td> </tr> <tr> <td>Silt</td> <td>80</td> <td>88</td> </tr> <tr> <td>Clay</td> <td>15</td> <td>10</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Access. Minerals</td> <td>2</td> <td>—</td> </tr> <tr> <td>Diatoms</td> <td>75</td> <td>98</td> </tr> <tr> <td>Foraminifers</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Glass</td> <td>20</td> <td>Tr</td> </tr> <tr> <td>Spicules</td> <td>2</td> <td>Tr</td> </tr> </table>		1, 77	1, 102	1, 130	1, 130	2, 21	2, 30	3, 51		M	D	M	D	D	M	D	Sand	70	20	10	30	25	5	15	Silt	25	75	85	65	50	80	80	Clay	5	5	5	5	25	15	5	Access. Minerals	—	10	—	5	10	—	5	Clay	—	—	—	—	Tr	15	—	Diatoms	3	85	10	65	60	—	80	Feldspar	75	—	30	—	15	30	5	Foraminifers	2	Tr	10	Tr	Tr	—	Tr	Glass	—	3	3	25	10	30	5	Glauconite	1	—	—	—	—	—	—	Olivine	—	—	—	—	—	20	—	Opauques	10	—	—	—	—	—	—	Pumice	5	—	40	—	—	—	—	Pyroxene	2	—	2	—	—	5	—	Radiolarians	—	—	—	—	Tr	—	—	Spicules	—	—	—	—	—	—	Tr		3, 72	4, 48		D	D	Sand	5	2	Silt	80	88	Clay	15	10	Access. Minerals	2	—	Diatoms	75	98	Foraminifers	—	Tr	Glass	20	Tr	Spicules	2	Tr
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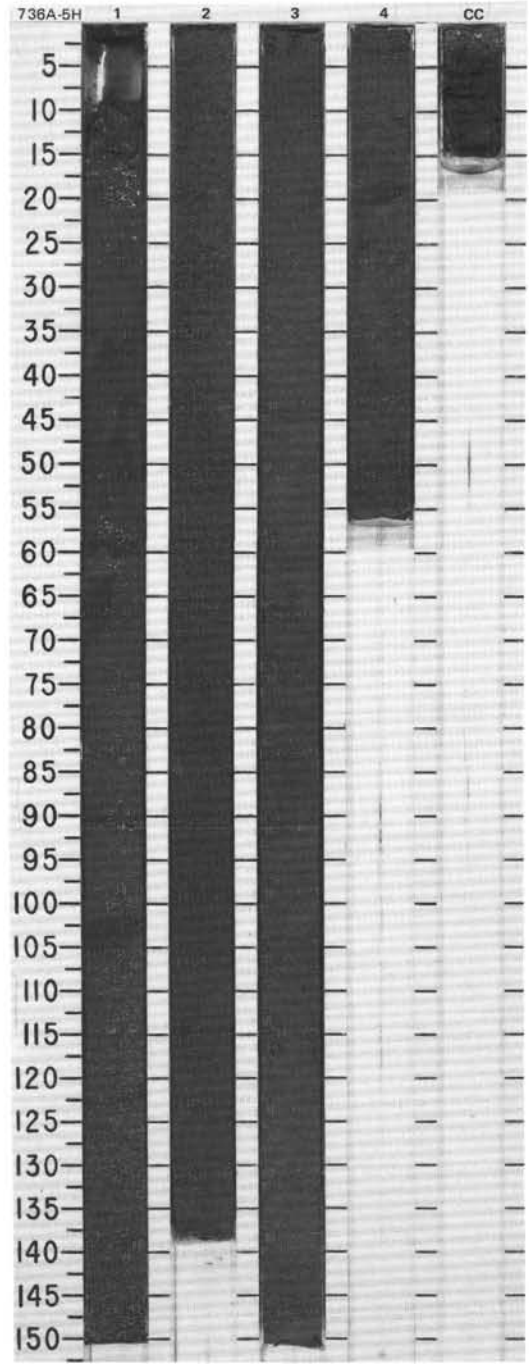


SITE 736 HOLE A CORE 4H CORED INTERVAL 28.0-33.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION												
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																						
QUATERNARY	<i>Neogloboquadrina pachyderma</i> interval				●w=58.5%γ=1.35			1	0.5		OO		*	DIATOM OOZE with VOLCANIC DETRITUS Major lithology: Diatom ooze with volcanic detritus, dark olive gray to olive (5Y 3/2 to 5Y 4/3), sandy-bearing clayey-silt texture with scattered subangular to rounded volcanic (basaltic) silt, sand, granules and pebbles. Isolated basaltic pebbles up to 5cm in size, subangular to subrounded (Section 1, 75-80 cm). Minor lithology: Diatomaceous volcanic sand with foraminifer (Section 2, 75 cm).												
	<i>Antarctissa denticulata</i> interval				●w=61.2%γ=1.37			2					*	SMEAR SLIDE SUMMARY (%): <table border="1"> <tr> <td></td> <td>1, 17</td> <td>1, 109</td> <td>2, 41</td> <td>2, 74</td> <td>2, 122</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> <td>M</td> <td>D</td> </tr> </table> TEXTURE: Sand 15 2 25 15 2 Silt 80 88 70 80 80 Clay 5 10 5 5 17		1, 17	1, 109	2, 41	2, 74	2, 122		D	D	D	M	D
	1, 17	1, 109	2, 41	2, 74	2, 122																					
	D	D	D	M	D																					
	<i>Thalassiosira lentiginosa</i> Zone				●w=76.4%γ=1.22			3					*	COMPOSITION: Access. Minerals 10 — 2 5 Tr Clay Tr — Tr Tr 2 Diatoms 85 95 95 90 85 Feldspar — — — — 5 Glass Tr Tr 2 3 5 Radiolarians — 4 Tr — Tr Silicoflagellates — 1 Tr Tr — Spicules Tr 1 Tr Tr —												
	<i>Spiniferites scabratus</i>				●w=61.2%γ=1.37			4					*	SMEAR SLIDE SUMMARY (%): <table border="1"> <tr> <td></td> <td>2, 126</td> <td>2, 135</td> <td>3, 30</td> <td>3, 121</td> <td>CC, 12</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> TEXTURE: Sand 1 10 2 2 7 Silt 89 85 88 87 88 Clay 10 5 10 11 5		2, 126	2, 135	3, 30	3, 121	CC, 12		D	D	D	D	D
	2, 126	2, 135	3, 30	3, 121	CC, 12																					
	D	D	D	D	D																					
	CC				●%CaCO ₃ =0.3								*	COMPOSITION: Access. Minerals — 5 Tr — Tr Diatoms 95 90 95 96 97 Glass Tr Tr — Tr Tr Silicoflagellates 1 Tr 2 2 1 Spicules Tr Tr 1 1 1												

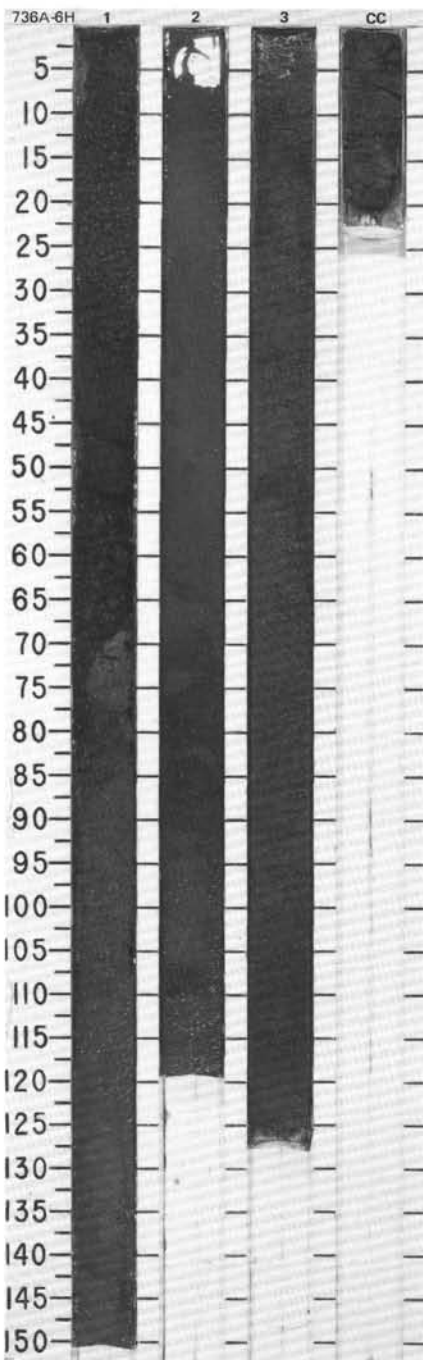


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PHYS. PROPERTIES CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																				
	FORAMINIFERS	NANOFOSSILS	RADIOLIARIANS	DIATOMS																																																																																										
QUATERNARY										DIATOM OOZE Major lithology: Diatom ooze, olive to olive-gray (5Y 4/3 to 5Y 4/2), clayey silt texture, with scattered subangular basaltic granules in less pure types; usually homogeneous. SMEAR SLIDE SUMMARY (%): <table border="1"> <tr> <td></td> <td>1, 45</td> <td>1, 115</td> <td>2, 69</td> <td>3, 29</td> <td>3, 118</td> <td>4, 26</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> TEXTURE: <table border="1"> <tr> <td>Sand</td> <td>10</td> <td>10</td> <td>20</td> <td>10</td> <td>10</td> <td>20</td> </tr> <tr> <td>Silt</td> <td>85</td> <td>85</td> <td>75</td> <td>85</td> <td>85</td> <td>75</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> </tr> </table> COMPOSITION: <table border="1"> <tr> <td>Access. Minerals</td> <td>5</td> <td>5</td> <td>5</td> <td>3</td> <td>3</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>Tr</td> <td>Tr</td> <td>—</td> <td>—</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Diatoms</td> <td>90</td> <td>90</td> <td>90</td> <td>95</td> <td>90</td> <td>90</td> </tr> <tr> <td>Glass</td> <td>Tr</td> <td>—</td> <td>Tr</td> <td>Tr</td> <td>—</td> <td>3</td> </tr> <tr> <td>Radiolarians</td> <td>Tr</td> <td>Tr</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Silicoflagellates</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> <td>2</td> <td>—</td> </tr> <tr> <td>Spicules</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> </tr> </table>		1, 45	1, 115	2, 69	3, 29	3, 118	4, 26	D	D	D	D	D	D	D	Sand	10	10	20	10	10	20	Silt	85	85	75	85	85	75	Clay	5	5	5	5	5	5	Access. Minerals	5	5	5	3	3	5	Clay	Tr	Tr	—	—	—	Tr	Diatoms	90	90	90	95	90	90	Glass	Tr	—	Tr	Tr	—	3	Radiolarians	Tr	Tr	—	—	—	—	Silicoflagellates	Tr	Tr	Tr	Tr	2	—	Spicules	Tr	Tr	Tr	Tr	Tr	Tr
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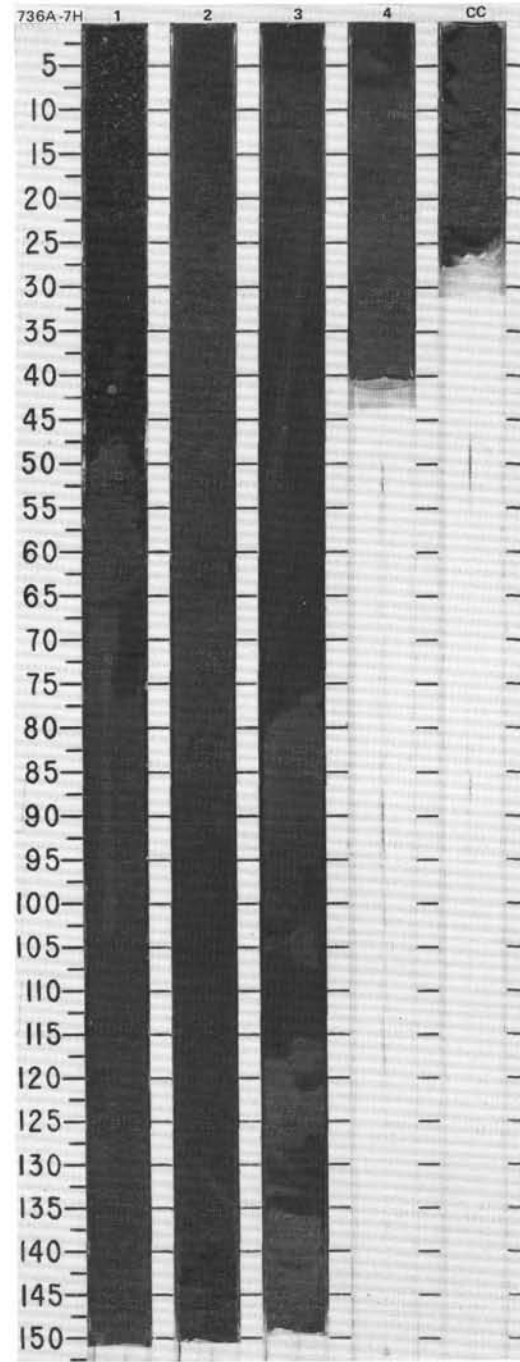


SITE 736 HOLE A CORE 6H CORED INTERVAL 38.0-43.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS									
QUATERNARY													
C/G	<i>Neogloboquadrina pachyderma</i> interval												
B													
A/G	<i>Thalassiosira lentiginosa</i> <i>Spiniferites scabratus</i>												
						• w=75.4% γ=1.20 • %CaCO ₃ =1.0							
						• %CaCO ₃ =1.2 %TOC=0.62							

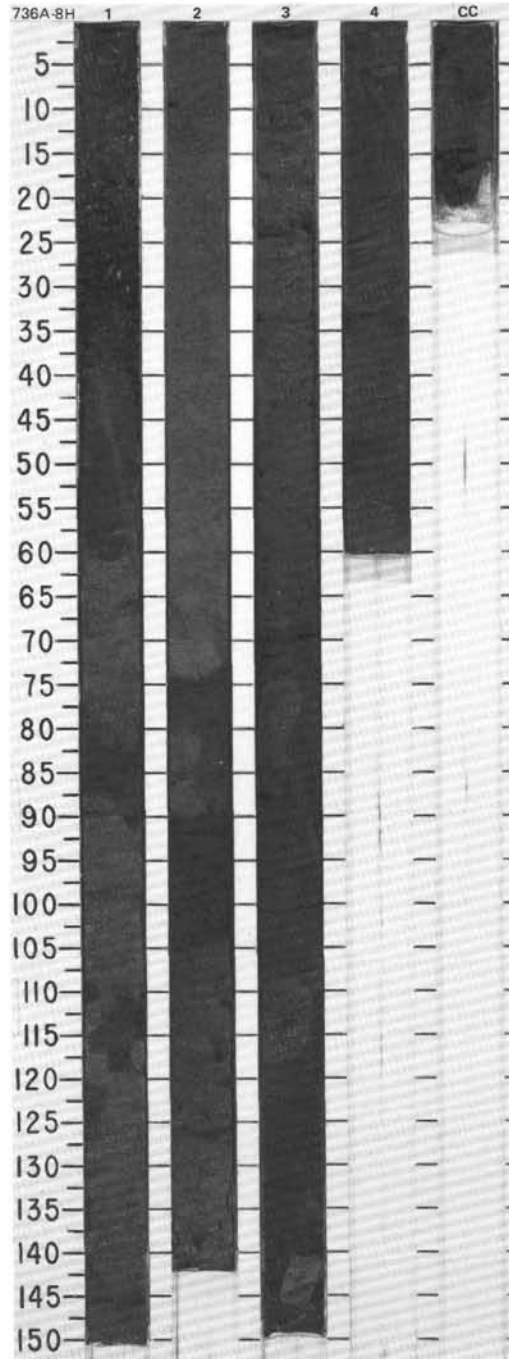


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
QUATERNARY														
A/G	<i>Neoglobobularina pachyderma</i> interval				●			1	0.5					<p>DIATOM OOZE with VOLCANIC DETRITUS, PUMICEOUS GRAVEL and VOLCANIC GRAVEL</p> <p>Major lithology: Diatom ooze with volcanic detritus, olive to very dark gray (5Y 4/3 to 5Y 3/1), usually clayey silt, but in more volcanic rich types with scattered pumice or basaltic granules (Section 3, 20-75 cm).</p> <p>Minor lithologies:</p> <p>a. Pumice gravel, gray (5Y 5/2), well-sorted, composed of well-rounded fibrous pumice granules and pebbles. Lower sections in part have a component of coarse black volcanic sand (Section 1, 0-23 cm).</p> <p>b. Volcanic gravel and sand, black to very dark gray (5Y 2.5/1 to 5Y 3/1), well sorted. In the coarse gravels, clasts consist of subangular to subrounded basaltic material. Sands contain basaltic grains, glass, pumice and feldspar (Section 1, 18-21 cm; Section 2, 139-150 cm; Section 3, 19 cm; Section 4, 35-36 cm).</p> <p>Large shallow-water benthic foraminifers (including <i>Pyrgo</i>) occur in the pumice gravel of Section 1 (1-22 cm).</p> <p>Mottling occurs in the diatom ooze (Section 1, 65-75 cm; Section 2, 7-9 cm; Section 3, 96-141 cm; Section 4, 0-40 cm).</p>
B									1.0					
A/G	<i>Antarctissa denticulata</i> interval				○			2						
A/G	<i>Thalassiosira lentiginosa</i>				○	●w=66.2% γ_1 -1.25		3						
B					○	●w=70.9% γ_1 -1.20		4						
					○	●xCaCO ₃ =10.5		CC						



SITE 736 HOLE A CORE 8H CORED INTERVAL 48.0-53.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																																																																																																																																																																																																																																																			
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																																																																																																																																																																																																																																																																																																													
QUATERNARY	F/G								0.5	[Pattern]				<p>DIATOM OOZE with VOLCANIC DETRITUS</p> <p>Major lithology: Diatom ooze with volcanic detritus, dark olive gray (5Y 3/2 to 5Y 4/2), clayey silt in texture, becoming sandy or incorporating granules as volcanic content increases. No clear bioturbation.</p> <p>Minor lithology: Volcanic sand and gravel, black (5Y 2.5/1), of basaltic granules and pebbles, subangular to sub-rounded (Section 2, 88-105 cm) or sandy (Section 3, 86-75 cm, 110-115 cm).</p> <p>Mottling between purer and volcanic-bearing diatom oozes at some levels (Section 1, 60-150 cm; Section 2, 0-10 cm, 73-88 cm, CC).</p> <p>Drilling disturbance: The gravel in Section 1 (0-47 cm) is interpreted as drillhole cave-in derived from stratigraphically higher levels. Size-graded pebbles and coarse sand contain slugs consist of basaltic gravel and sand with diatom ooze matrix.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 70</td> <td>1, 110</td> <td>1, 140</td> <td>1, 145</td> <td>1, 145</td> <td>2, 40</td> <td>2, 66</td> </tr> <tr> <td>D</td> <td></td> <td>D</td> <td>D</td> <td>D</td> <td>M</td> <td>D</td> <td>M</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>15</td> <td>50</td> <td>8</td> <td>3</td> <td>5</td> <td>15</td> <td>20</td> </tr> <tr> <td>Silt</td> <td>80</td> <td>50</td> <td>86</td> <td>87</td> <td>85</td> <td>80</td> <td>70</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>—</td> <td>4</td> <td>10</td> <td>10</td> <td>5</td> <td>10</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Access. 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Minerals	5	—	5	—	—	5	—	Clay	—	—	—	—	10	—	—	Diatoms	85	43	80	75	25	85	15	Feldspar	—	28	5	10	25	—	15	Foraminifers	—	Tr	—	3	—	—	55	Glass	Tr	10	Tr	—	30	Tr	15	Glauconite	—	4	1	2	3	—	—	Palagonite	—	7	—	—	—	—	—	Pumice	—	5	—	5	—	—	—	Pyroxene	—	—	—	1	4	—	—	Quartz	Tr	—	—	—	—	—	—	Radiolarians	Tr	—	1	—	Tr	Tr	—	Silicoflagellates	5	—	7	—	Tr	5	—	Spicules	Tr	—	—	—	Tr	Tr	—	Zeolite	Tr	—	—	—	—	—	—		2, 130	2, 136	3, 15	3, 30	3, 116	3, 121	D		M	D	D	D	D	Sand	5	0	4	2	1	2	Silt	90	85	88	90	87	80	Clay	5	15	8	8	12	18	Access. Minerals	10	—	Tr	—	—	—	Altered Grains	—	5	—	—	—	—	Clay	—	15	—	—	—	—	Diatoms	70	20	90	88	80	65	Feldspar	—	35	—	—	10	20	Foraminifers	3	5	—	—	5	5	Glass	15	—	5	7	Tr	1	Glauconite	—	3	—	—	Tr	1	Opagues	—	—	—	1	—	—	Palagonite	—	—	—	—	Tr	1	Pumice	—	—	—	—	1	2	Pyroxene	—	15	—	3	3	2	Quartz	—	—	2	3	—	—	Radiolarians	Tr	—	—	—	—	—	Silicoflagellates	—	—	1	Tr	—	—	Spicules	Tr	—	1	Tr	—	—
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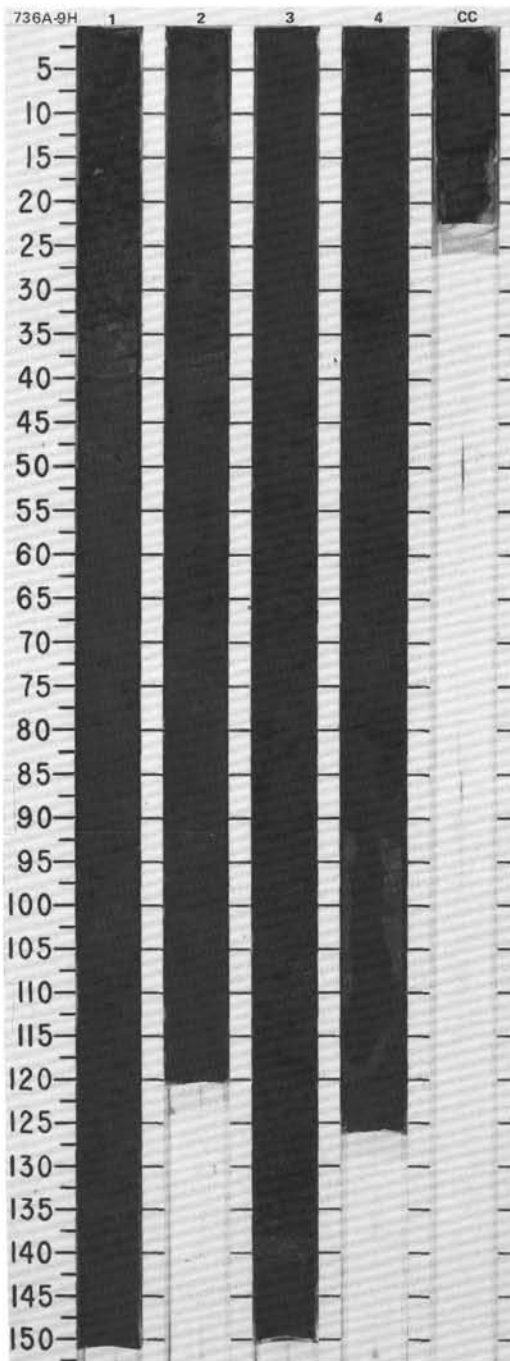
(cont.)

SITE 736 HOLE A CORE 8H CORED INTERVAL 48.0-53.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																												
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																																					
								0.5					cont. SMEAR SLIDE SUMMARY (%): <table border="1"> <tr> <td></td> <td>4, 15</td> <td>4, 24</td> <td>4, 40</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> TEXTURE: <table border="1"> <tr> <td>Sand</td> <td>3</td> <td>3</td> <td>2</td> </tr> <tr> <td>Silt</td> <td>90</td> <td>88</td> <td>90</td> </tr> <tr> <td>Clay</td> <td>7</td> <td>9</td> <td>8</td> </tr> </table> COMPOSITION: <table border="1"> <tr> <td>Diatoms</td> <td>90</td> <td>88</td> <td>92</td> </tr> <tr> <td>Glass</td> <td>5</td> <td>5</td> <td>3</td> </tr> <tr> <td>Opalines</td> <td>Tr</td> <td>1</td> <td>Tr</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>2</td> <td>1</td> </tr> <tr> <td>Silicoflagellates</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Spicules</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> </tr> </table>		4, 15	4, 24	4, 40		D	D	D	Sand	3	3	2	Silt	90	88	90	Clay	7	9	8	Diatoms	90	88	92	Glass	5	5	3	Opalines	Tr	1	Tr	Quartz	2	2	1	Silicoflagellates	Tr	Tr	Tr	Spicules	Tr	Tr	Tr
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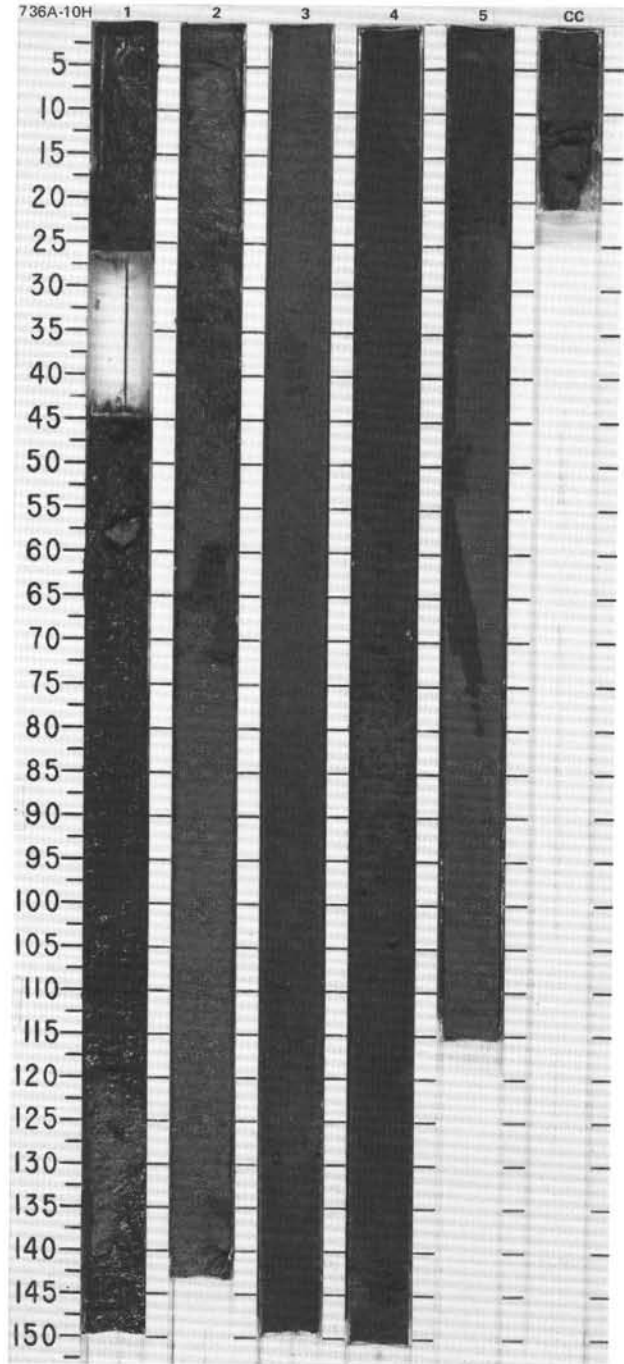
SITE 736 HOLE A CORE 9H CORED INTERVAL 53.0-59.0 mbsf

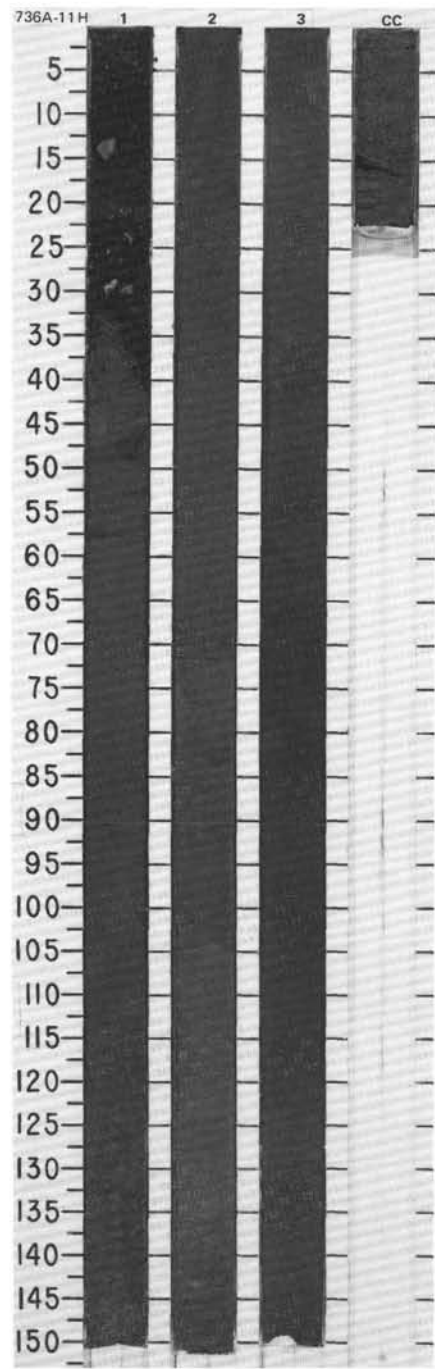
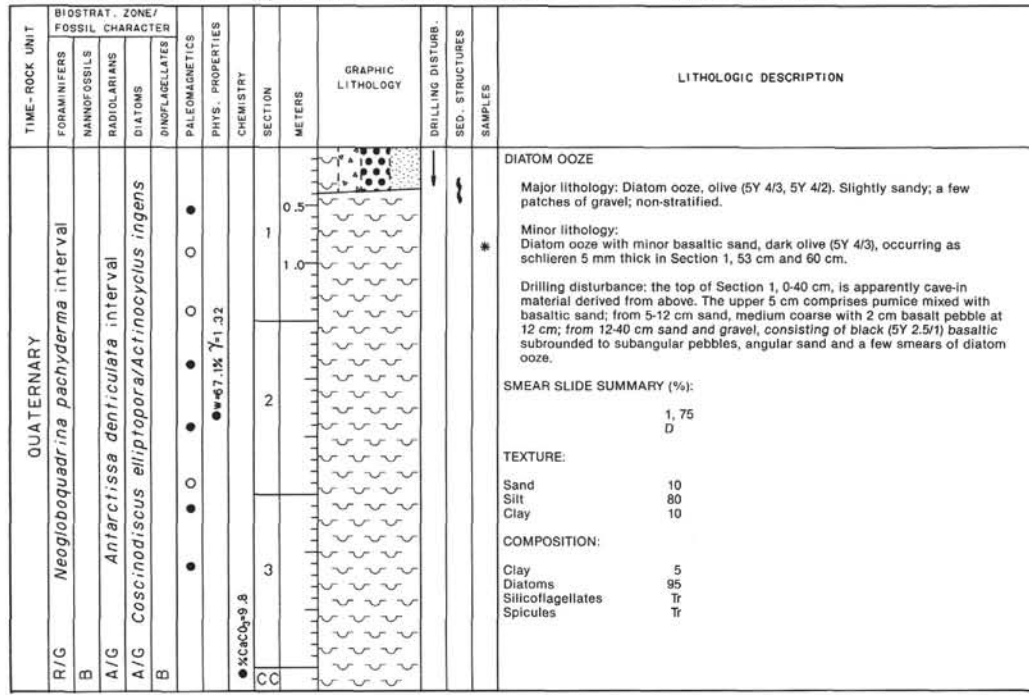
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																								
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QUATERNARY													DIATOM OOZE and MIXED DIATOM OOZE with GRAVEL, SAND AND SILT Major lithologies: a. Diatom ooze, olive gray (5Y 4/2 and 5Y 4/4), dark olive gray (5Y 3/2), very dark olive gray (5Y 3/1), black (5Y 2.5/1), homogeneous but sometimes with soft sediment deformation, dispersed basaltic pebbles and grains of volcanic glass. b. Mixed diatom ooze with basaltic gravel, sand and silt, mainly black (5Y 2.5/1). Minor amounts of reddish (**) sandstone clasts. Poorly sorted and structureless except for weak coarse-tail grading. Clasts are mainly subrounded to subangular, and up to pebble size. Minor lithology: Coarse sand of quartz and (?)feldspar. Dark gray (5Y 4/1), moderately well sorted (Section 3, 138-141 cm). Drilling disturbance: It is probable that the gravel of Section 1, 0.52 cm, is a drillhole cave-in deposit. The core is otherwise little disturbed. SMEAR SLIDE SUMMARY (%): <table border="1"> <tr> <td></td> <td>1, 61</td> <td>2, 20</td> <td>2, 90</td> <td>3, 65</td> <td>3, 148</td> <td>4, 96</td> <td>4, 97</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>M</td> <td>D</td> </tr> </table> TEXTURE: <table border="1"> <tr> <td>Sand</td> <td>10</td> <td>15</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>Silt</td> <td>80</td> <td>75</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> </tr> <tr> <td>Clay</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> </tr> </table> COMPOSITION: <table border="1"> <tr> <td>Access. Minerals</td> <td>1</td> <td>1</td> <td>Tr</td> <td>1</td> <td>2</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Clay</td> <td>20</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>5</td> <td>4</td> </tr> <tr> <td>Diatoms</td> <td>75</td> <td>85</td> <td>88</td> <td>85</td> <td>85</td> <td>90</td> <td>90</td> </tr> <tr> <td>Glass</td> <td>—</td> <td>—</td> <td>—</td> <td>4</td> <td>5</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Quartz</td> <td>1</td> <td>1</td> <td>1</td> <td>10</td> <td>7</td> <td>—</td> <td>1</td> </tr> <tr> <td>Spicules</td> <td>2</td> <td>2</td> <td>1</td> <td>10</td> <td>10</td> <td>5</td> <td>5</td> </tr> </table>		1, 61	2, 20	2, 90	3, 65	3, 148	4, 96	4, 97		D	D	D	D	D	M	D	Sand	10	15	10	10	10	10	10	Silt	80	75	80	80	80	80	80	Clay	10	10	10	10	10	10	10	Access. Minerals	1	1	Tr	1	2	—	Tr	Clay	20	10	10	10	10	5	4	Diatoms	75	85	88	85	85	90	90	Glass	—	—	—	4	5	—	Tr	Quartz	1	1	1	10	7	—	1	Spicules	2	2	1	10	10	5	5
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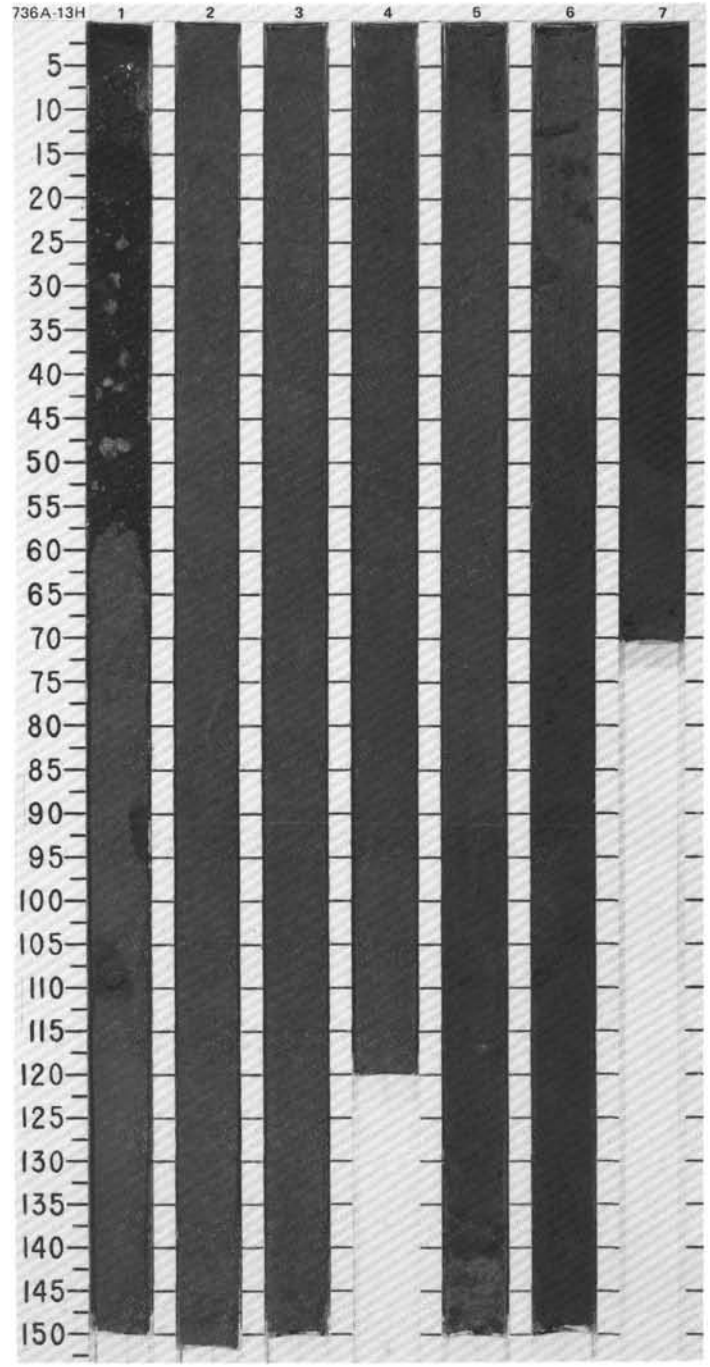
SITE 736 HOLE A CORE 10H CORED INTERVAL 59.0-68.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																								
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R/G	<i>Neogobioquadrina pachyderma</i> interval							1	VOID				<p>DIATOM OOZE and MIXED DIATOM OOZE with SAND and GRAVEL</p> <p>Major lithologies:</p> <p>a. Diatom ooze, olive (5Y 4/4, 5Y 4/2) and dark olive gray (5Y 3/2), with rare pebbles chiefly of basalt.</p> <p>b. Mixed diatom ooze with sand and gravel, dark olive gray (5Y 3/2).</p> <p>Minor lithologies:</p> <p>a. Diatom ooze with 20-50% medium volcanic sand, dark olive gray (5Y 3/2), Section 2, 52-90 cm.</p> <p>b. Fine gravel layer, Section 1, 44-46 cm.</p> <p>c. Medium and coarse volcanic sand; Section 2, 26-28 cm.</p> <p>Diplocraterion at Section 3, 38 cm.</p> <p>Drilling disturbance: the top of Section 1, 0-46 cm, consists of gravelly, sandy silt mixed with diatom ooze. This is probably the result of cave-in during drilling. The gravel is predominantly basaltic. Otherwise the soft to firm sediment is little disturbed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 100</td> <td>2, 90</td> <td>3, 82</td> <td>4, 32</td> <td>4, 86</td> </tr> <tr> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>5</td> <td>5</td> <td>10</td> <td>10</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>90</td> <td>90</td> <td>85</td> <td>85</td> <td>75</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>20</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Access. Minerals</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>5</td> <td>3</td> <td>5</td> <td>15</td> </tr> <tr> <td>Diatoms</td> <td>90</td> <td>80</td> <td>90</td> <td>90</td> <td>80</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>Tr</td> <td>1</td> <td>1</td> <td>3</td> </tr> <tr> <td>Radiolarians</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Silicoflagellates</td> <td>—</td> <td>—</td> <td>Tr</td> <td>Tr</td> <td>—</td> </tr> <tr> <td>Spicules</td> <td>5</td> <td>15</td> <td>4</td> <td>3</td> <td>2</td> </tr> </table>		1, 100	2, 90	3, 82	4, 32	4, 86	D						Sand	5	5	10	10	5	Silt	90	90	85	85	75	Clay	5	5	5	5	20	Access. Minerals	Tr	Tr	Tr	Tr	Tr	Clay	3	5	3	5	15	Diatoms	90	80	90	90	80	Quartz	2	Tr	1	1	3	Radiolarians	—	—	—	—	—	Silicoflagellates	—	—	Tr	Tr	—	Spicules	5	15	4	3	2
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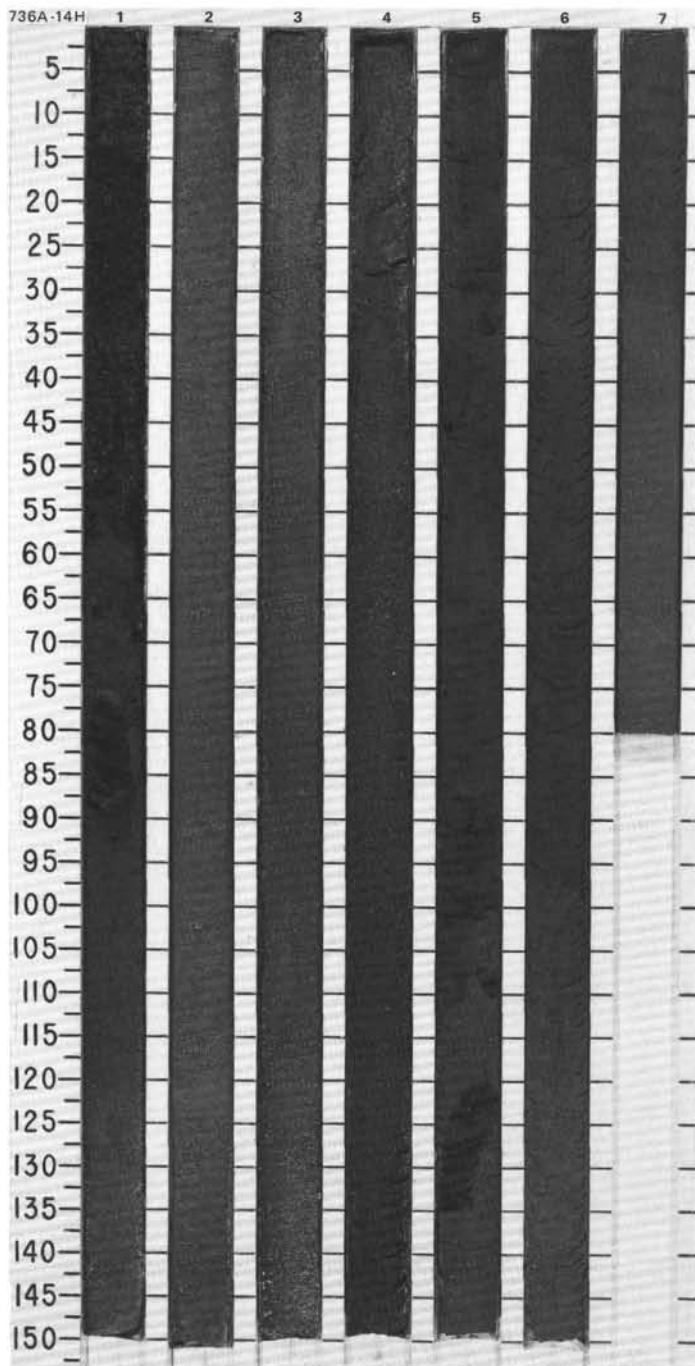




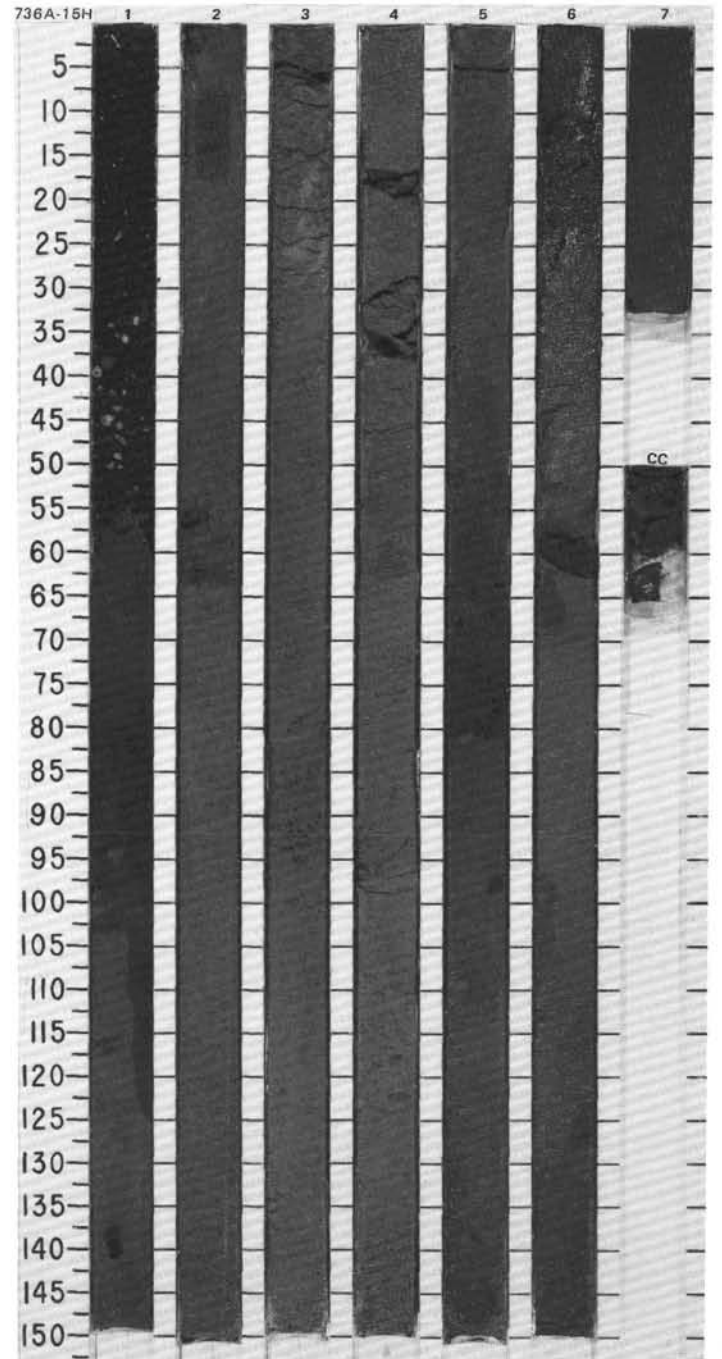
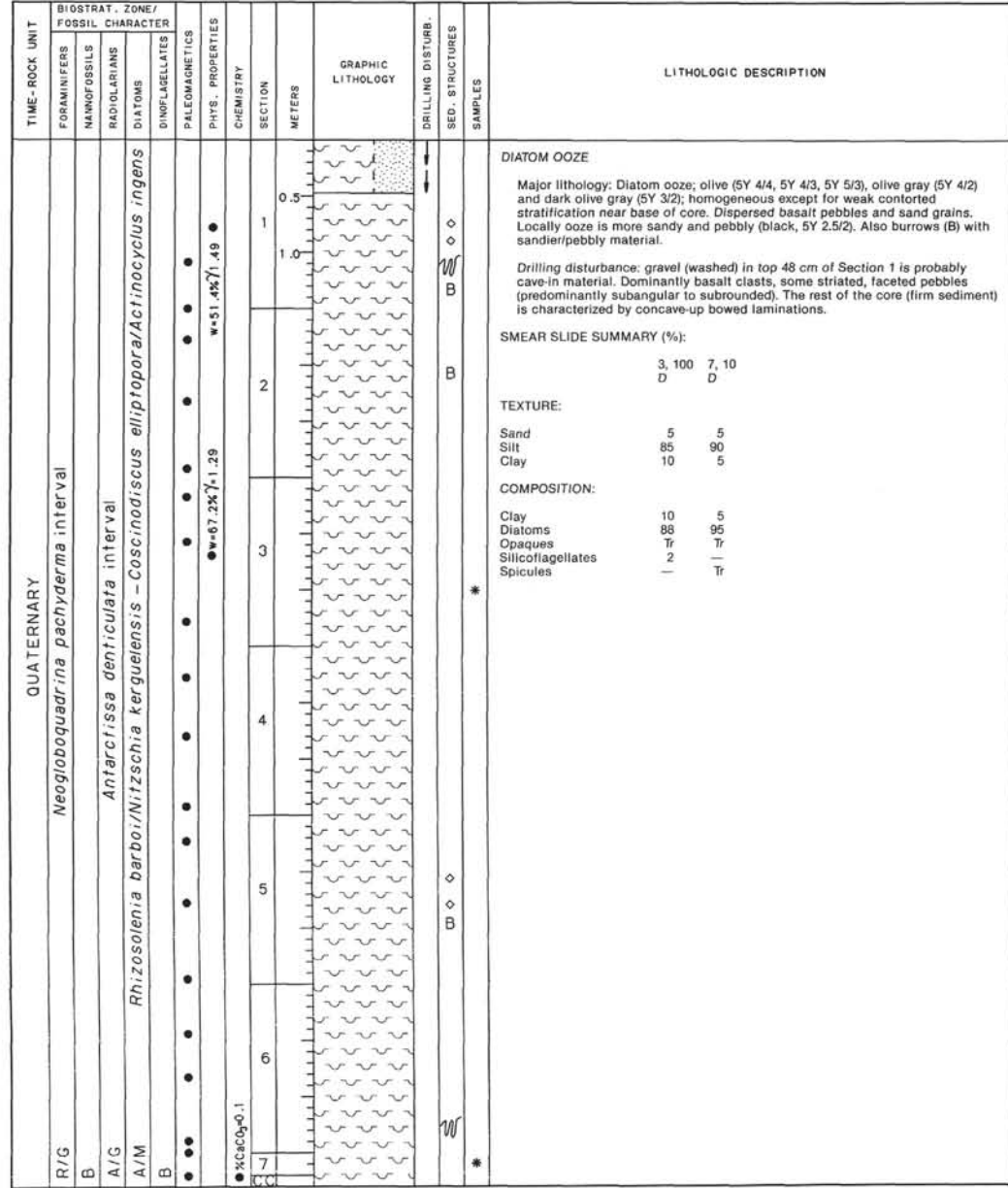
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER					CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION																																																
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	DINOFLELLATES																																																						
QUATERNARY																																																											
C/S	<i>Neogloboquadrina pachyderma</i> interval							0.5			<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive (5Y 4/3, 5Y 4/4; 5Y 3/2 and black 5Y 2.5/2 in Section 5), homogeneous, scattered pebbles of basalt (one of 3 cm diameter in a sandy patch of diatom in Section 1, 105-110 cm), some carbonate shells in Section 1 (?Serpularia), also carbonate fragments. Near base of core, in Section 4, 70-80 cm, are 2 cm-thick sandy streaks.</p> <p>Drilling disturbance: black sand (5Y 2.5/2) and gravel, probably cave-in material, Section 1, 0-60 cm. Otherwise the firm sediment is unaltered by coring.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2, 103</td> <td>6, 9</td> <td>6, 106</td> </tr> <tr> <td>D</td> <td></td> <td></td> <td></td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>90</td> <td>70</td> <td>90</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>25</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Access. Minerals</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>25</td> <td>5</td> </tr> <tr> <td>Diatoms</td> <td>95</td> <td>73</td> <td>93</td> </tr> <tr> <td>Opacues</td> <td>—</td> <td>1</td> <td>Tr</td> </tr> <tr> <td>Quartz</td> <td>Tr</td> <td>1</td> <td>1</td> </tr> <tr> <td>Silicoflagellates</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Spicules</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> </tr> </table>		2, 103	6, 9	6, 106	D				Sand	5	5	5	Silt	90	70	90	Clay	5	25	5	Access. Minerals	Tr	Tr	Tr	Clay	5	25	5	Diatoms	95	73	93	Opacues	—	1	Tr	Quartz	Tr	1	1	Silicoflagellates	Tr	Tr	Tr	Spicules	Tr	Tr	Tr
	2, 103	6, 9	6, 106																																																								
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Opacues	—	1	Tr																																																								
Quartz	Tr	1	1																																																								
Silicoflagellates	Tr	Tr	Tr																																																								
Spicules	Tr	Tr	Tr																																																								
B							1.0																																																				
A/G	<i>Antarctissa denticulata</i> interval							2																																																			
A/G	<i>Coscinodiscus elliptopora/Actinocyclus ingens</i>							3																																																			
B							4																																																				
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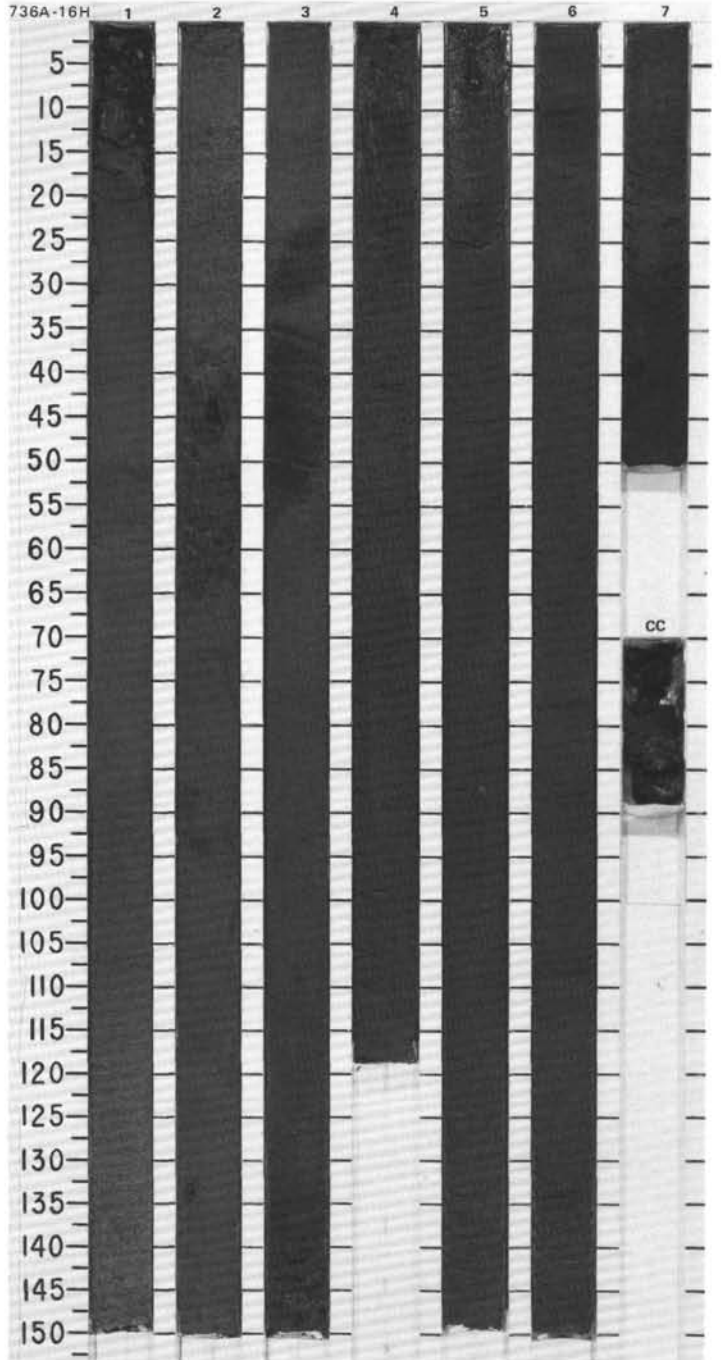
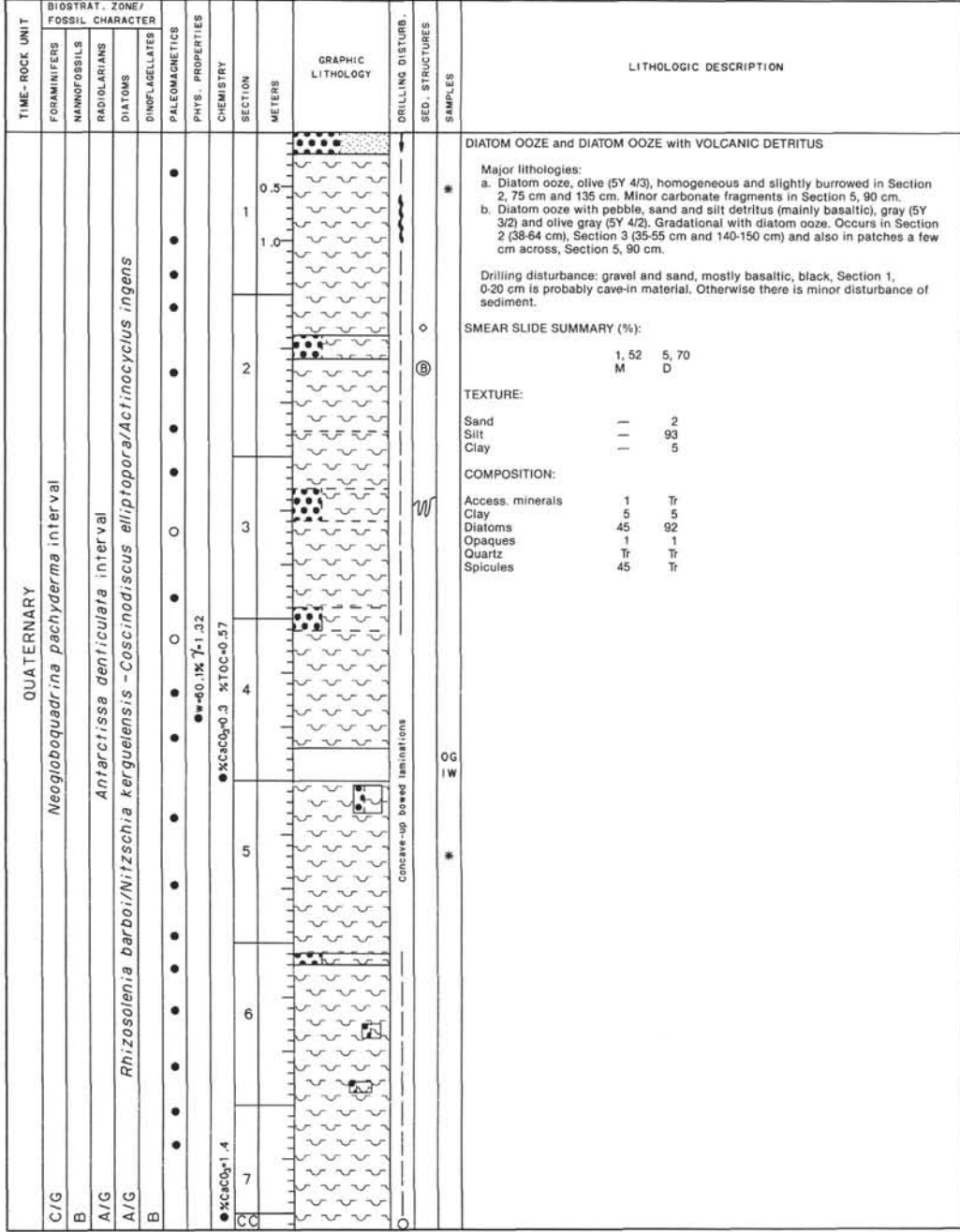


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																								
FORAMINIFERS	NANOFOSILS	RADIOLARIANS	DIATOMS																																	
QUATERNARY																																				
A/G	<i>Neogloboquadrina pachyderma</i> interval			●		1	0.5					<p>DIATOM OOZE</p> <p>Major lithologies:</p> <p>a. Diatom ooze, olive (5Y 4/4 to 5Y 4/3), Section 1, 90 cm to Section 4, 100 cm; Section 5, 110 cm to Section 7, 80 cm (end of core).</p> <p>b. Diatom ooze, gray, basaltic pebbles common (diameter up to 1 cm) and some pockets with basaltic sand. Section 1, 55-90 cm; Section 4, 100 cm; Section 5, 110 cm. Some bioturbation in the lower half of Section 5, 106-110 cm.</p> <p>Drilling disturbance: the soft to firm sediment is mostly undeformed except in uppermost 1 m.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>5, 55</td> <td>7, 20</td> </tr> <tr> <td>D</td> <td></td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>10</td> <td>8</td> </tr> <tr> <td>Silt</td> <td>85</td> <td>90</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>2</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Diatoms</td> <td>75</td> <td>90</td> </tr> <tr> <td>Opaques</td> <td>10</td> <td>5</td> </tr> <tr> <td>Quartz</td> <td>15</td> <td>5</td> </tr> </table>		5, 55	7, 20	D		D	Sand	10	8	Silt	85	90	Clay	5	2	Diatoms	75	90	Opaques	10	5	Quartz	15	5
	5, 55	7, 20																																		
D		D																																		
Sand	10	8																																		
Silt	85	90																																		
Clay	5	2																																		
Diatoms	75	90																																		
Opaques	10	5																																		
Quartz	15	5																																		
B				●		2	1.0																													
A/G	<i>Antarctissa denticulata</i> interval			●		3																														
A/G	<i>Coscinodiscus elliptopora/Actinocyclus ingens</i>			●																																
	<i>Spiniferites scabratus</i>			●		4																														
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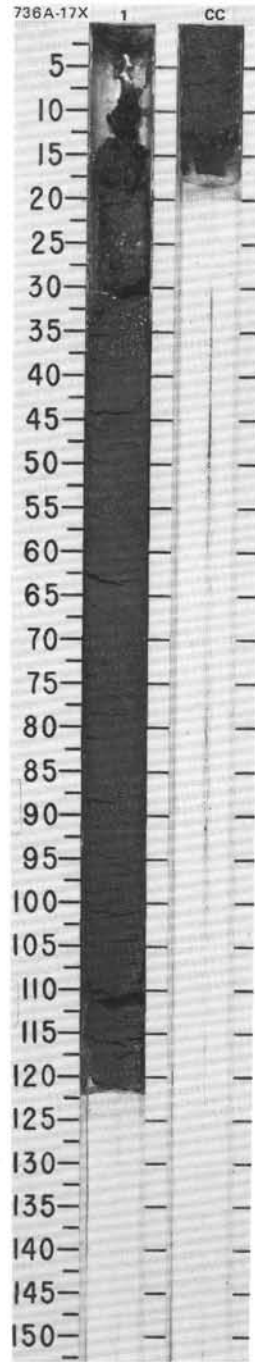


SITE 736 HOLE A CORE 15H CORED INTERVAL 98.5-108.0 mbsf





TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																		
	FORAMINIFERS	NAUPOFOSSILS	RADIOLARIANS	DIATOMS																									
QUATERNARY	C/G	B	C/G	A/G		w=67.5% γ=1.23 ● %CaCO ₃ = 0.8					<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive (5Y 4/4), homogeneous, clayey silt in texture.</p> <p>Drilling disturbance: basaltic gravel and mixed gravel diatom ooze, Section 1, 0-29 cm is probably cave-in material.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td>1, 71</td></tr> <tr><td>D</td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Sand</td><td>5</td></tr> <tr><td>Silt</td><td>90</td></tr> <tr><td>Clay</td><td>5</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Access. Minerals</td><td>Tr</td></tr> <tr><td>Diatoms</td><td>95</td></tr> <tr><td>Opauques</td><td>Tr</td></tr> <tr><td>Silicoflagellates</td><td>2</td></tr> <tr><td>Spicules</td><td>1</td></tr> </table>	1, 71	D	Sand	5	Silt	90	Clay	5	Access. Minerals	Tr	Diatoms	95	Opauques	Tr	Silicoflagellates	2	Spicules	1
1, 71																													
D																													
Sand	5																												
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Access. Minerals	Tr																												
Diatoms	95																												
Opauques	Tr																												
Silicoflagellates	2																												
Spicules	1																												

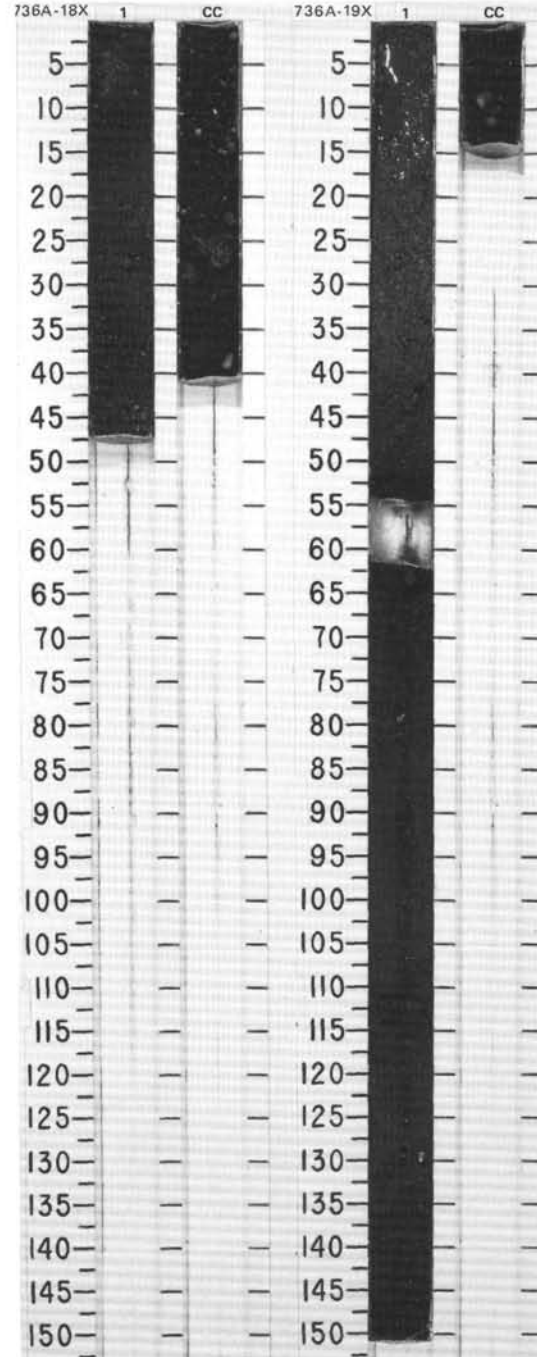


SITE 736 HOLE A CORE 18X CORED INTERVAL 127.1-136.8 mbsf

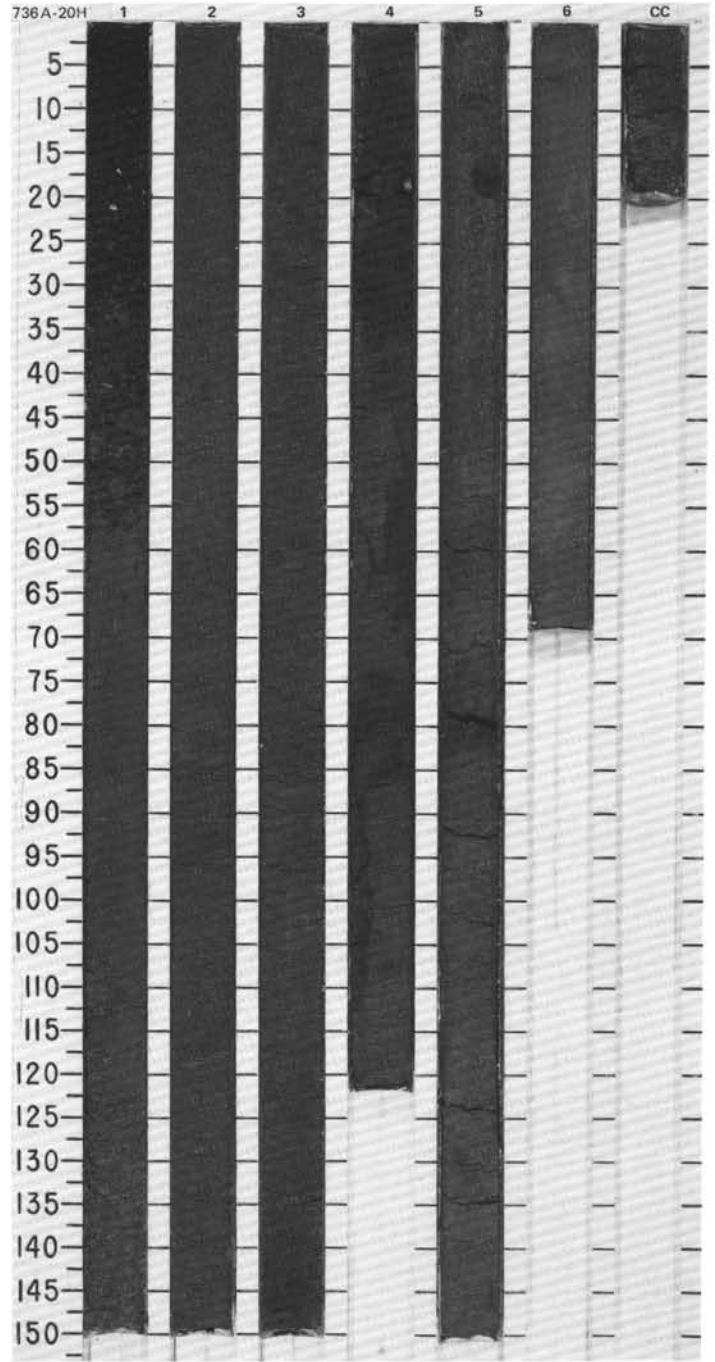
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER					PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAUPOSSILS	RADIOLARIANS	DIATOMS	DINOFAGELLATES									
UPPER PLIOCENE									1					Major lithology: Gravel and coarse sand (Section 1, CC), crudely size-graded, with scattered lumps of mixed gravel and diatom ooze (olive, 5Y 4/4 **). Drilling disturbance: The gravel represents cave-in contamination from drilling. SMEAR SLIDE SUMMARY (%): CC, 25 D TEXTURE: Sand 5 Silt 87 Clay 8 COMPOSITION: Access. Minerals Tr Diatoms 95 Opagues 1 Silicoflagellates 2 Spicules 1

SITE 736 HOLE A CORE 19X CORED INTERVAL 136.8-146.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER					PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAUPOSSILS	RADIOLARIANS	DIATOMS	DINOFAGELLATES									
B									1					Major lithology: Gravel (7YR 2/0; Section 1, 0-48 cm), of fine pumice and basalt, with clasts to 1 to 1.2 cm. Drilling disturbance: the gravel represents cave-in contamination from drilling. Section 1, 61-130 cm shows a central TUBE zone of fine black (7YR 2/0) gravel surrounded by similar gravel mixed with a proportion of diatom ooze. This is interpreted as drilling disturbance.



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIFATOMS								
UPPER PLIOCENE												
R/G	<i>Neogloboquadrina pachyderma</i> interval											
B	NRS											
F/G	<i>Coscinodiscus kolbei/Rhizosolenia barboi</i>											
A/G												
B												
					●w=67% $\gamma=1.21$							
					●w=66% $\gamma=1.28$							
					●XCcC0=0.1 %TOC=1.02							
					●XCcC0=0.2							
CC												



DIATOM OOZE

Major lithology: Diatom ooze, olive (5Y 4/3), homogeneous, clayey silt texture. Minor fine sandy layers (< 1-2 cm thick) occur in Section 5 (60, 70, 80, 90, 125-135 cm). They contain volcanic detritus.

Minor lithologies:

- a. Diatom ooze with volcanic detritus, very dark gray (2.5Y 3/1), as a stratum (Section 4, 16-36 cm) or as mottling (Section 3, 142-150 cm; Section 4, 36-110 cm; Section 5, 8-20 cm).
- b. Gravel (Section 1, 0-55 cm), upper part well sorted, though lumps of mixed gravel (black, 7.5YR 2/0) and diatom ooze (olive, 5Y 4/3) occur in the portion 33-35 cm.

SMEAR SLIDE SUMMARY (%):

	1, 93	3, 47	4, 24	5, 80
D				

TEXTURE:

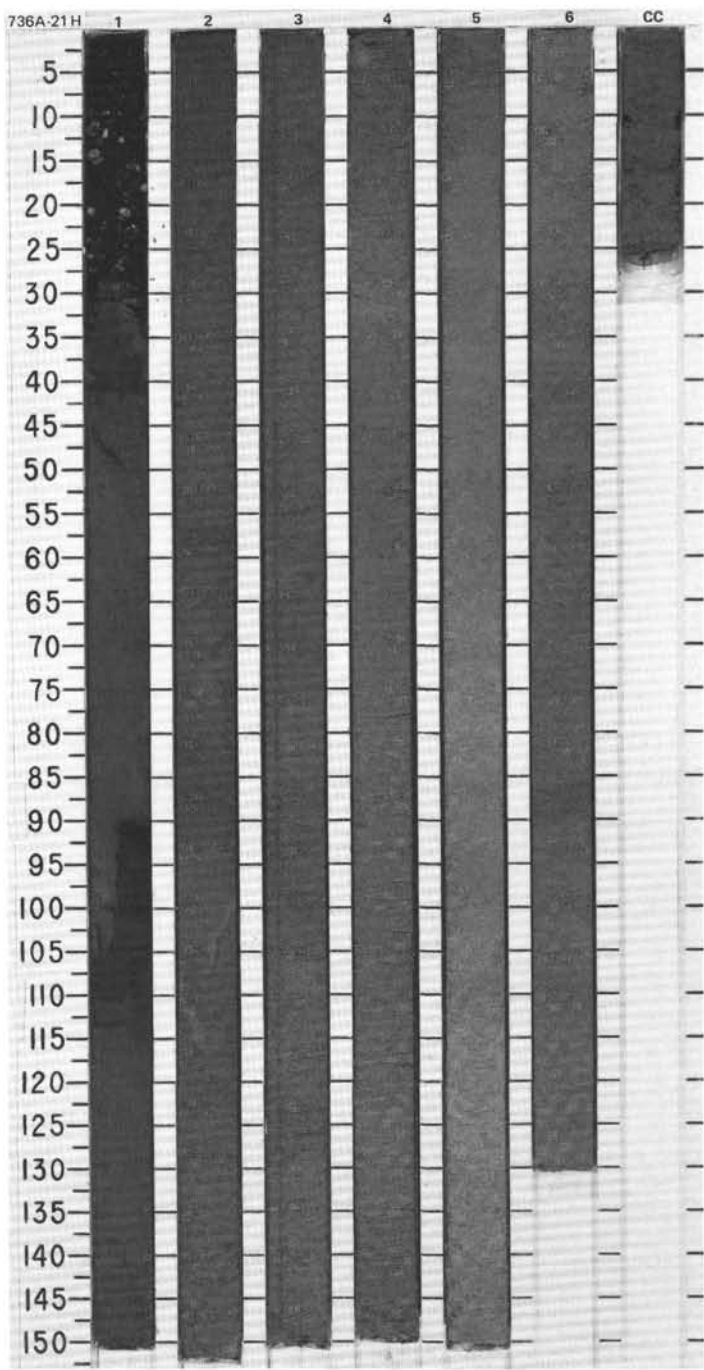
	5	6	7	8
Sand				
Silt	90	487	485	477
Clay	45	47	47	415

COMPOSITION:

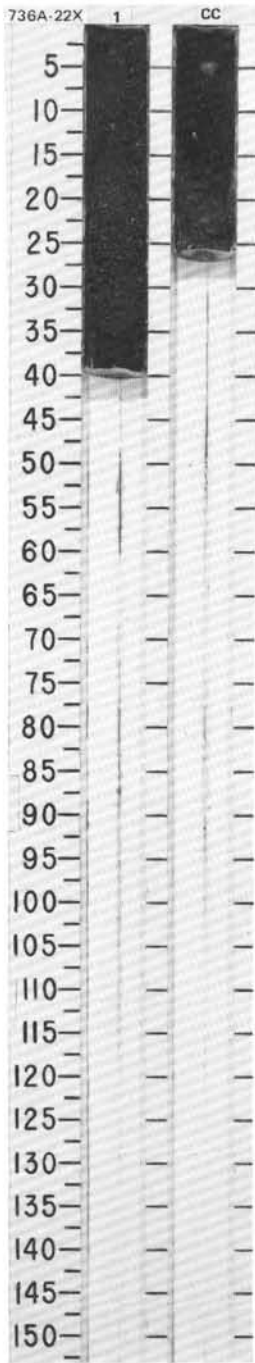
	Tr	Tr	Tr	10
Access. Minerals				
Diatoms	95	95	95	90
Glass	—	1	42	Tr
Opacues	Tr	Tr	1	—
Silicoflagellates	41	41	41	—
Spicules	41	Tr	Tr	—

SITE 736 HOLE A CORE 21H CORED INTERVAL 155.9-115.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER					PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	DINOFLELLATES										
UPPER PLIOCENE															
A/G	<i>Neogloboquadrina pachyderma</i> interval														
B	NR 5														
C/G	<i>Coscinodiscus kolbei/Rhizosolenia barboi</i>														
A/G															
B															
	● w=69.5% 1.19														
	● w=68.4% 1.20														
	● w=70.3% 1.24														
	● w=65.1% 1.20														
	● xCaCO ₃ =0.1														
CC															



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADOLARIANS	DIATOMS								
UPPER PLIOCENE	R/G	B	C/G	C/G		1						Major lithology: Gravel, black (10Y 4/1), well-sorted, basaltic pebbles and granules (Section 1, 0-35 cm; CC, 0-18 cm). At the base of each gravel section (Section 1, 35-39 cm; CC, 18-26 cm) occur lumps of mixed diatom ooze (olive, 5Y 4/3 **) and gravel. Drilling disturbance: the gravels represent cave-in drilling disturbance.
<i>Neogloboquadrina pachyderma</i> interval					XCaCO ₃ 0.6	CC						
NR 5												
<i>Coccolithus koibei/Rhizosolenia barboi</i>												

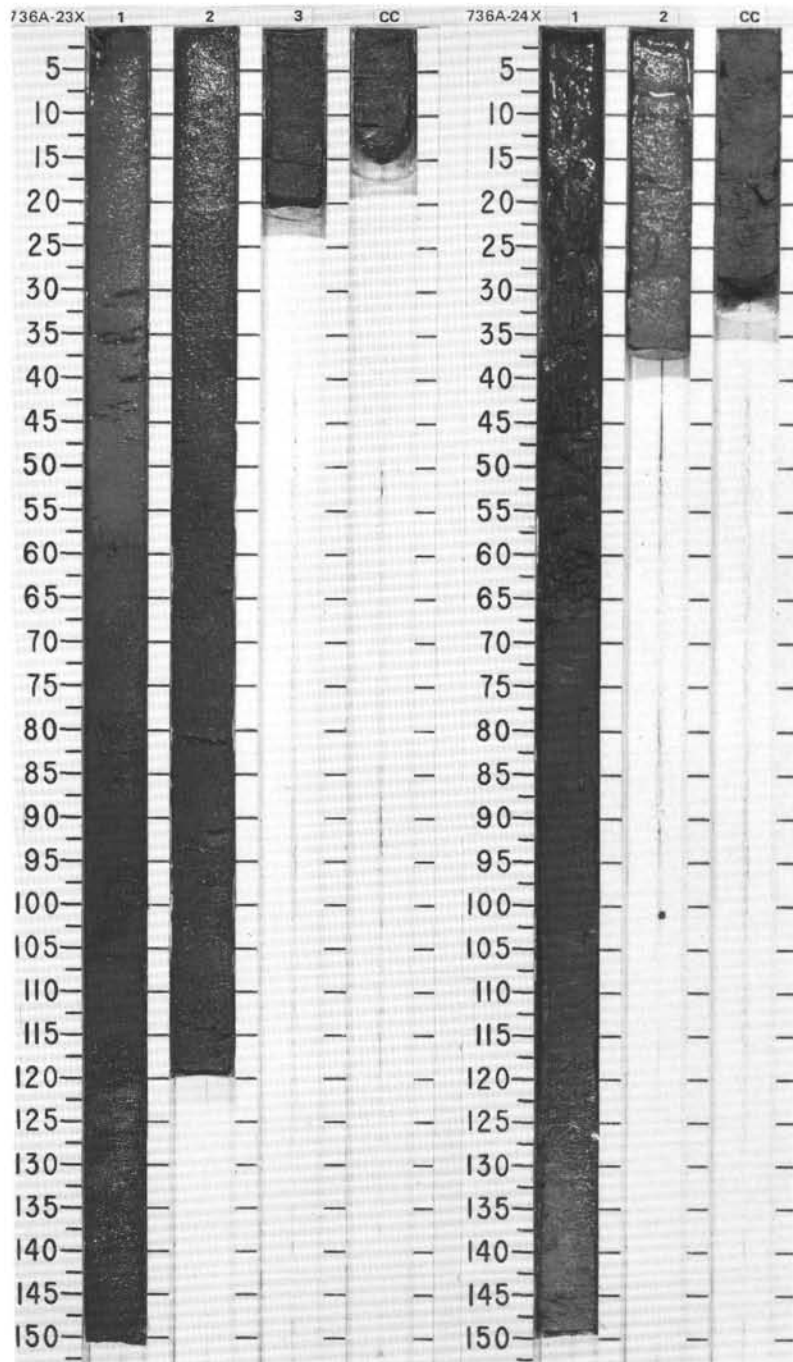


SITE 736 HOLE A CORE 23X CORED INTERVAL 175.0-184.6 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED-STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANOFOSSILS	RADIOLARIANS	DIATOMS										
UPPER PLIOCENE		B <i>Neogloboquadrina pachyderma</i> interval						0.5 1.0					<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive (5Y 5/3), homogeneous, with occasional mottles of the minor lithology.</p> <p>Minor lithology: Diatom ooze with volcanic detritus, olive gray (5Y 4/2) to black (5Y 2.5/2), occurring as thin, sometimes graded units (Section 1, 58-81 cm; Section 2, 20 cm), or as mottles in the olive (5Y 5/3) diatom ooze (Section 1, 92-142 cm).</p>
C/G	B	A/G	<i>Cosc:nodiscus kolbei</i> / <i>Rhizosolenia barboi</i>		W _{6B} 9% 7-1.21	%CaCO ₃ 1.0 %TOC 1.16							

SITE 736 HOLE A CORE 24X CORED INTERVAL 184.6-194.4 mbsf

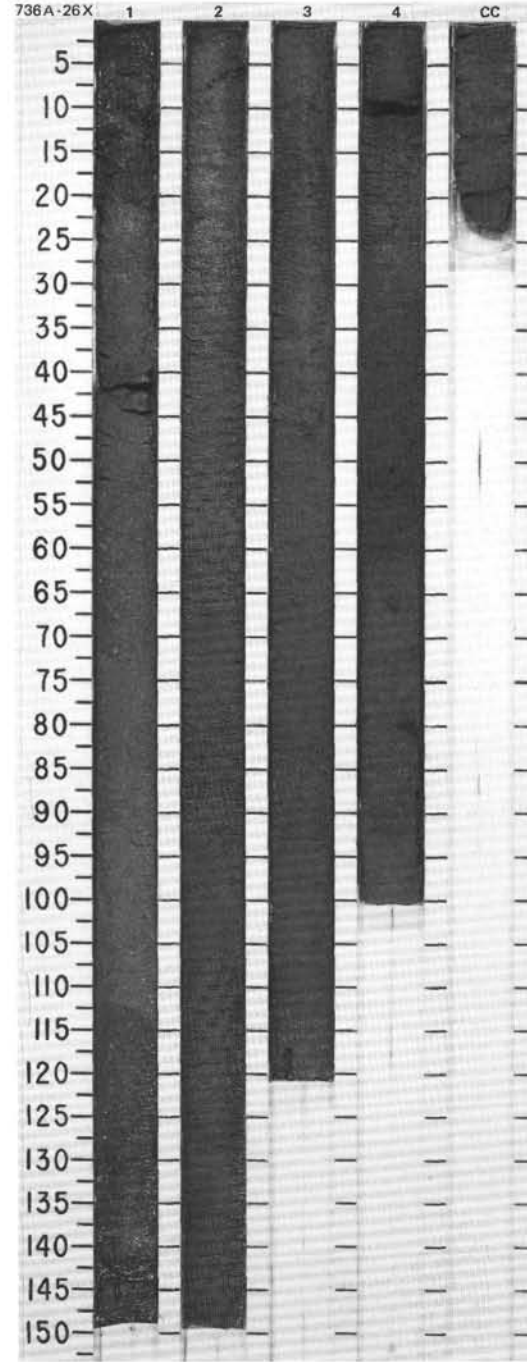
TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED-STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANOFOSSILS	RADIOLARIANS	DIATOMS										
UPPER PLIOCENE		B <i>Neogloboquadrina pachyderma</i> interval						0.5 1.0					<p>DIATOM OOZE with VOLCANIC DETRITUS</p> <p>Major lithology: Diatom ooze with volcanic detritus, dark to very dark olive (5Y 3/2 to 5Y 3/1), sandy silt textures, generally homogeneous. Pebbles up to 1.5 cm occur at the base of one such unit (Section 1, 58-64 cm). Lithology also occurs as mottles in the olive ooze (Section 1, 132-150 cm; Section 2 0-36 cm).</p> <p>Minor lithology: Diatom ooze, olive (5Y 5/4) occurs in the CC.</p> <p>Drilling disturbance: observed in Section 1 and the core-catcher.</p>
F/G	B	F/G	NR5		W ₃₇ 33% 7-1.66	%CaCO ₃ 0.7							



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			
	FORAMINIFERS	C/G		
	NANNIFOSSILS RADIOLARIANS DIATOMS DINO- FLAELLATE			
PALEOMAGNETICS PHYS. PROPERTIES	CHEMISTRY SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION
UPPER PLIOCENE <i>Neoglobobquadrina pachyderma</i> interval NR5 <i>Coscinodiscus vulnificus</i> A/G (Coscinodiscus kolbei / Rhizosolenia barboi?) B	C/G C			

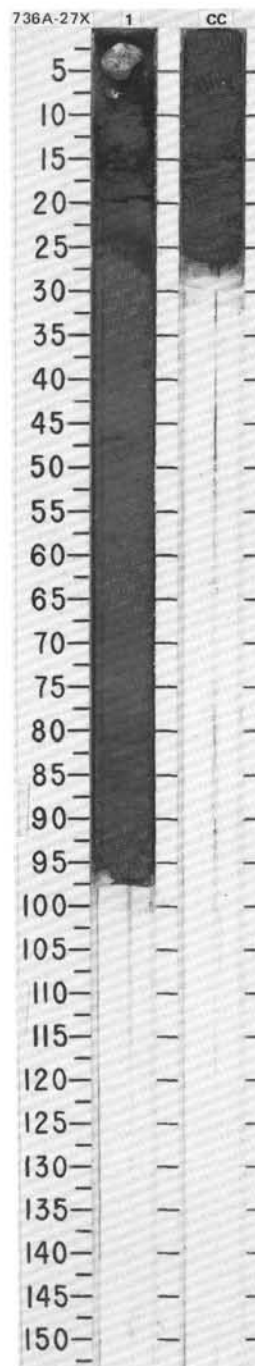
SITE 736 HOLE A CORE 26X CORED INTERVAL 203.9-213.5 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		DIATOMS	DINO- FLAGELLATE	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NAANNOFOSSILS	RADIOLARIANS												
UPPER PLIOCENE														
R/G	<i>Neogloboquadrina pachyderma</i> interval													
B														
R/G	NR5													
A/G	<i>Coscinodiscus vulnificus</i>													
B														
							● 70.3% ● 1.20							
							● 89.3% ● 1.20							
							● %CaCO ₃ =0.2 ● %CaCO ₃ =0.3 XTOC=1.10							
CC														



TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
F/G	F/M	C/G	A/G										
UPPER PLIOCENE	<i>Neoglobobuadrina pachyderma</i> interval	NR5	<i>Coscinodiscus vulnificus</i>		O O O	W = 3.8 % Y = 3.0 % Z = 2.0 % ● %CaCO ₃ = 3.1	1	0.5				<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive (5Y 4/3) with some lighter (5Y 5/3) and darker (5Y 4/2) patches, the latter with increased volcanic content.</p> <p>Drilling disturbance: black (10Y 4/1) basalt pebble at top of Section 1 (0-8 cm) and the underlying mixed gravel and diatom ooze (8-19 cm) are drillhole cavity.</p>	

736 A 28X NO RECOVERY

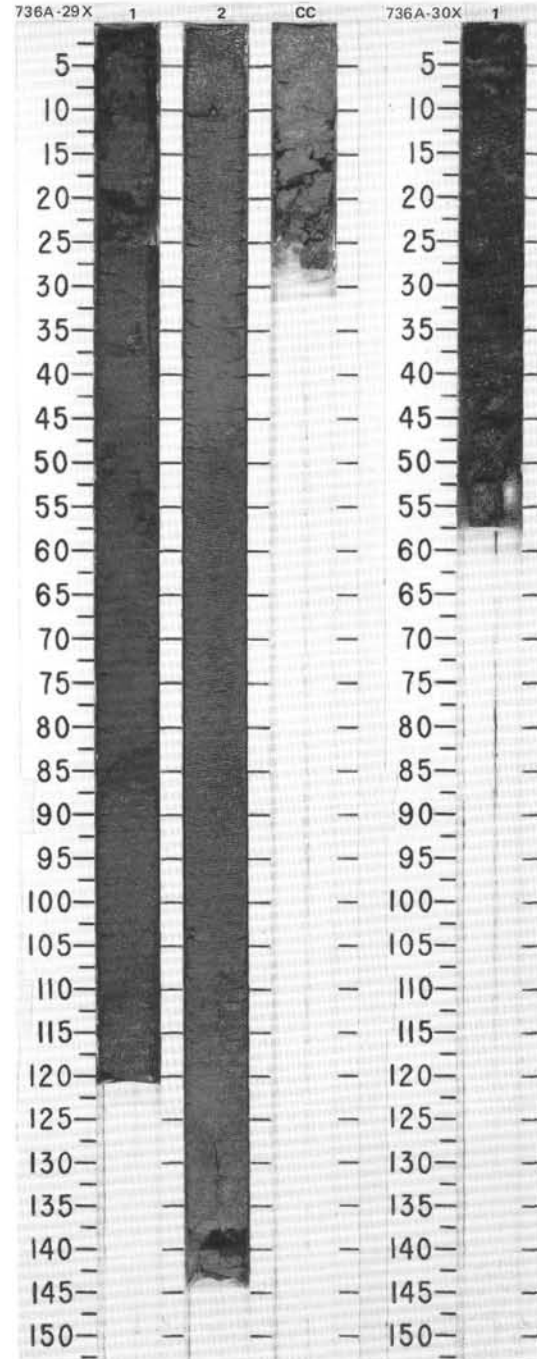


SITE 736 HOLE A CORE 29X CORED INTERVAL 232.9-242.6 mbsf

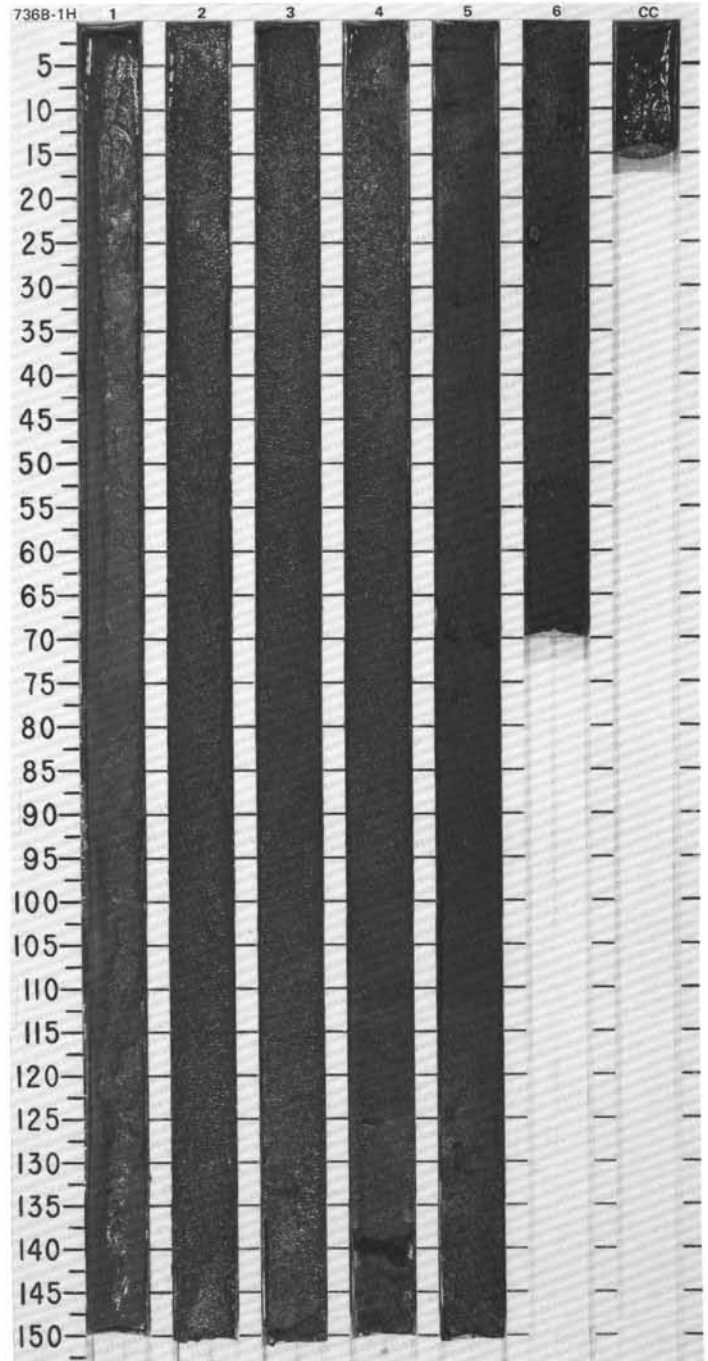
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER					PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	DINO- FLAGELLATE									
UPPER PLIOCENE	F/M							1	0.5					<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive (5Y 4/2), homogeneous except for occasional mottles and sandy patches (Section 1, 34-110 cm).</p> <p>Drilling disturbance: Section 1 (0.7 cm) has mixed gravel and diatom ooze (olive, 5Y 4/2); it is interpreted as a drillhole cave-in deposit.</p>
	C/M	Neogloboquadrina pachyderma interval						1	0.5					
	C/G		NR6					2						
	A/G			Cosmirodiscus insignis				CC						
	B													

SITE 736 HOLE A CORE 30X CORED INTERVAL 242.6-252.3 mbsf

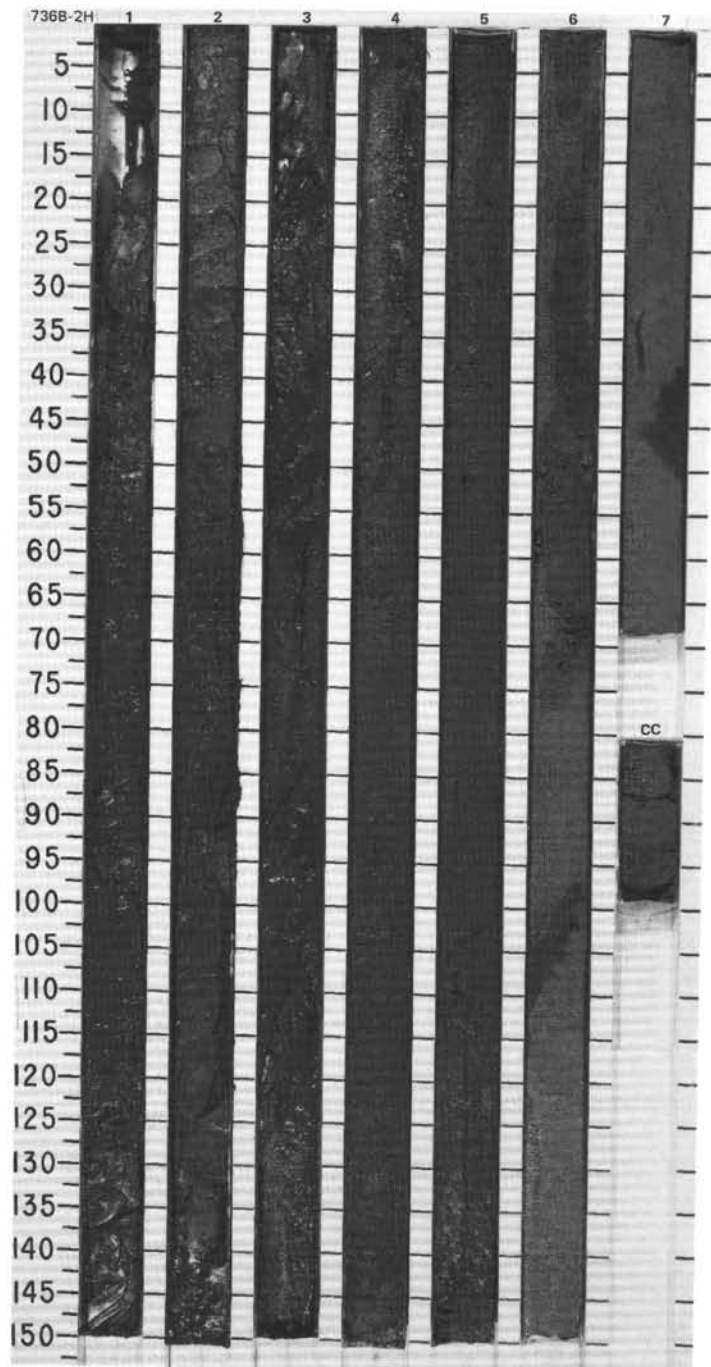
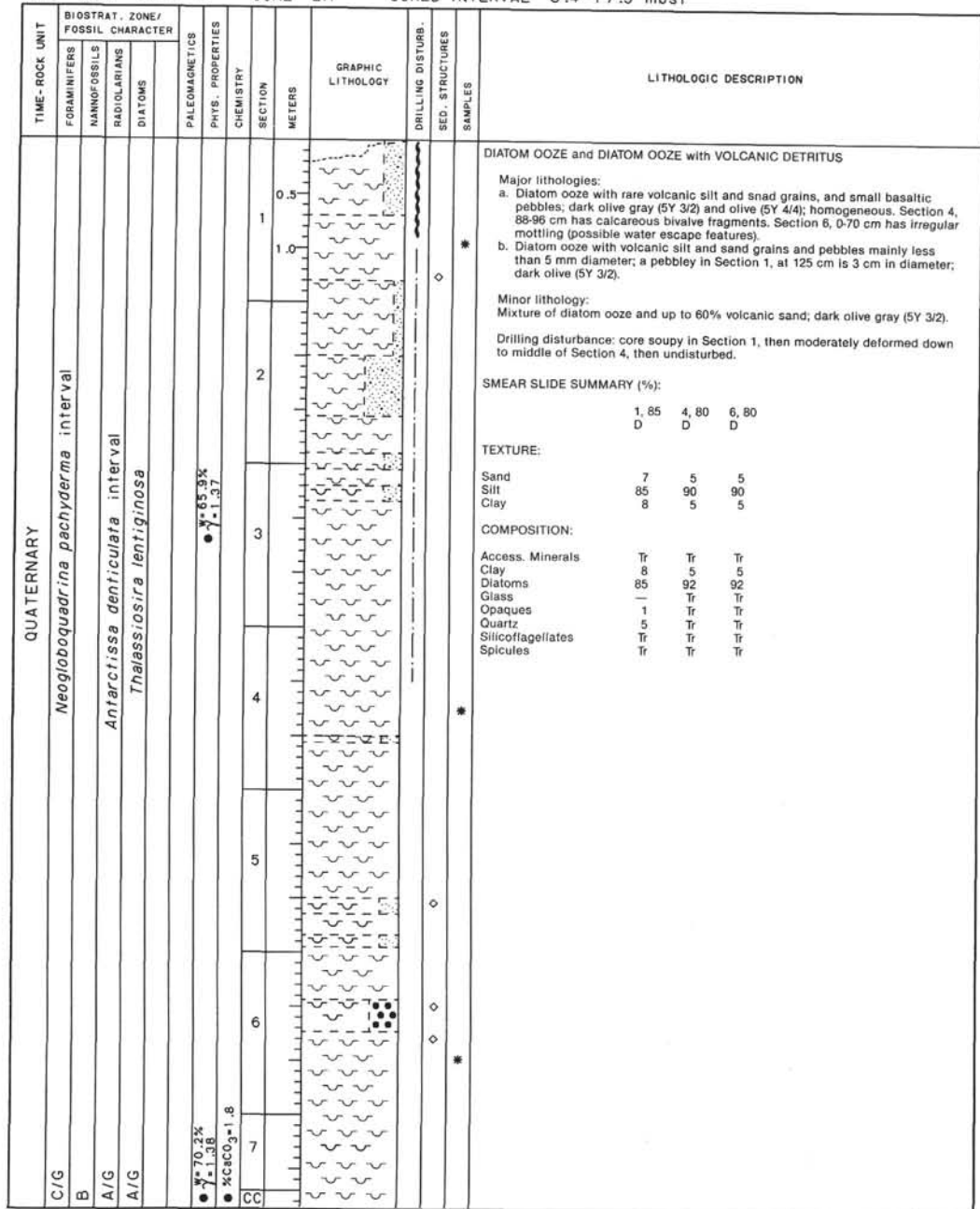
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER					PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	DINO- FLAGELLATE									
UPPER PLIOCENE	F/M							1	0.5					<p>Major lithology: Basaltic gravel (CC, 0-57 cm), intermixed with olive (5Y 4/3) diatom ooze to produce overall sediment colours of very dark gray (2.5Y 3/1, Section 1, 0-9 cm), olive (5Y 4/3) and dark grey (5Y 4/1).</p> <p>Drilling disturbance: the gravel is interpreted as drillhole cave-in material.</p>
	R/M	B												
	A/G			Cosmirodiscus insignis										
	B													



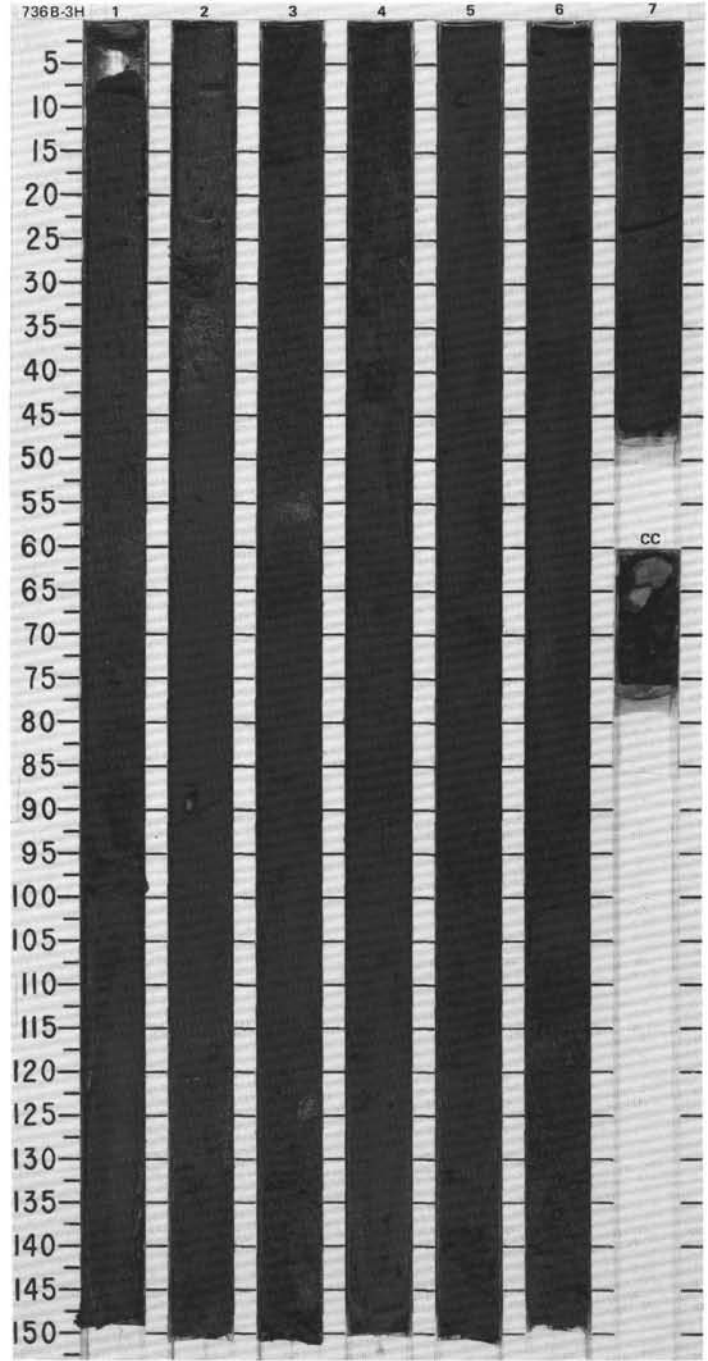
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAUPOFOSSILS	RADIOLARIANS										
QUATERNARY													
A/G	<i>Neogloboquadrina pachyderma</i> interval												
B	<i>Antarctissa denticulata</i> interval												
R/G	<i>Thalassiosira lentiginosa</i>												
A/G													
	● 5 [*] 79.7% - 7-11.7												
	● XCCO ₂ 7.1% ● g 9.9% ● 4.0% ● 5.2%												
CC													



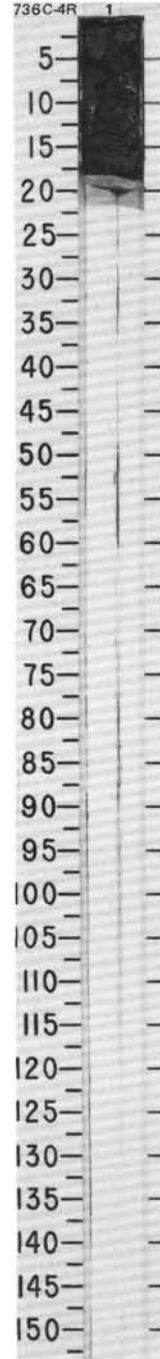
SITE 736 HOLE B CORE 2H CORED INTERVAL 8.4-17.9 mbsf



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAUPOSSILS	RADIOLARIANS										
QUATERNARY	CG												
	B	<i>Neogloboquadrina pachyderma</i> interval											
	CG	<i>Anarctiessa denticulata</i> interval											
		<i>Thalassiosira lentiginosa</i>											
					● $\gamma = 58.2\%$ $\delta = 1.43$								
					● $\%CaCO_3 = 0.8$								
	CC												



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MAMMOFOSSILS	RADIOLARIANS	DIATOMS										
UPPER PLOCENE	R/M	R/P	A/G	A/G			% CaCO ₃ = 4.2	1						<p>Major lithology: Basalt granules and small pebbles (black, **) held in diatom ooze (olive, 5Y 4/3); Section 1, 0-18 cm.</p> <p>Drilling disturbance: the whole core is greatly disturbed by drilling and is drillhole cave-in material.</p>



SITE 736 HOLE C CORE 6R CORED INTERVAL 884.9-894.5 mbsl; 245.4-255.0 mbsf

C/G	TIME-ROCK UNIT		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION
	Neoglobobadrina pachyderma interval	FORAMINIFERS							
R/P	NR6					CC	VOID		Not described (0.10 m CC recovery only).
C/G					%CaCO ₃ = 7.5	0.5			
A/G						1.0			

SITE 736 HOLE C CORE 7R CORED INTERVAL 894.5-904.2 mbsf; 255.0-264.7 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS		PHYS. PROPERTIES		CHEMISTRY		SECTION		METERS		GRAPHIC LITHOLOGY		DRILLING DISTURB.		SED. STRUCTURES		LITHOLOGIC DESCRIPTION
TIME-ROCK UNIT	UPPER PLIOCENE	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION							
R/G									1	0.5												DIATOM OOZE Major lithology: Diatom ooze, olive (5Y 4/3) to olive gray (5Y 4/2). Minor lithology: Nannofossil ooze, light olive gray (5Y 6/2; Section 2, 61-68 cm), no diatoms observed. Drilling disturbance: black basalt pebbles and granules in the diatom ooze at Section 1, (0-7 cm) represent drilling cave-in contamination.
R/G		A/G B	B					●%CaCO ₃ =1.2	2	1.0												
R/P		A/G		NR6					1	0.5												
A/G		A/G		NR6					2	1.0												
A/G		A/G <i>Cosmodiscus insignis</i>																				

SITE 736 HOLE C CORE 8R CORED INTERVAL 904.2-913.9 mbsf; 264.7-274.4 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS		PHYS. PROPERTIES		CHEMISTRY		SECTION		METERS		GRAPHIC LITHOLOGY		DRILLING DISTURB.		SED. STRUCTURES		LITHOLOGIC DESCRIPTION
TIME-ROCK UNIT	UPPER PLIOCENE	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION							
A/G		A/G <i>Neogloboquadrina pachyderma</i> interval							1	0.5												DIATOM OOZE Major lithology: Diatom ooze, olive (5Y 4/4), homogeneous. Small pebbles (maximum size 5 mm) are scattered through the core (Section 1, 0-40 cm; Section 2, 30-80 cm); almost all are basaltic, subrounded to subangular; some are faceted and striated; one pebble is reddish (*). from appearance alone, but the physical properties show very low shear strength and very low density for 270 mbsf.
F/P		F/P							2	1.0												
F/G		F/G NR6																				
A/G		A/G <i>Nitzschia weaveri</i>																				
							●W=58 % ●γ=1.33 ●%CaCO ₃ =7.0 ●TOC=0.40%															

SMEAR SLIDE SUMMARY (%):

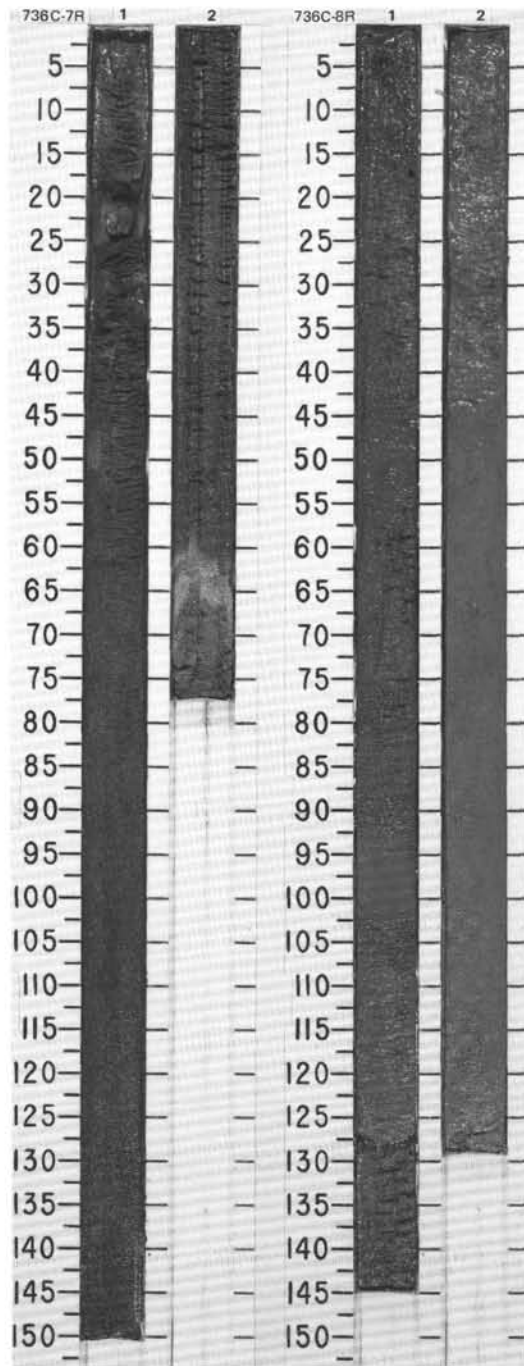
	1,80	2,80
D	D	D

TEXTURE:

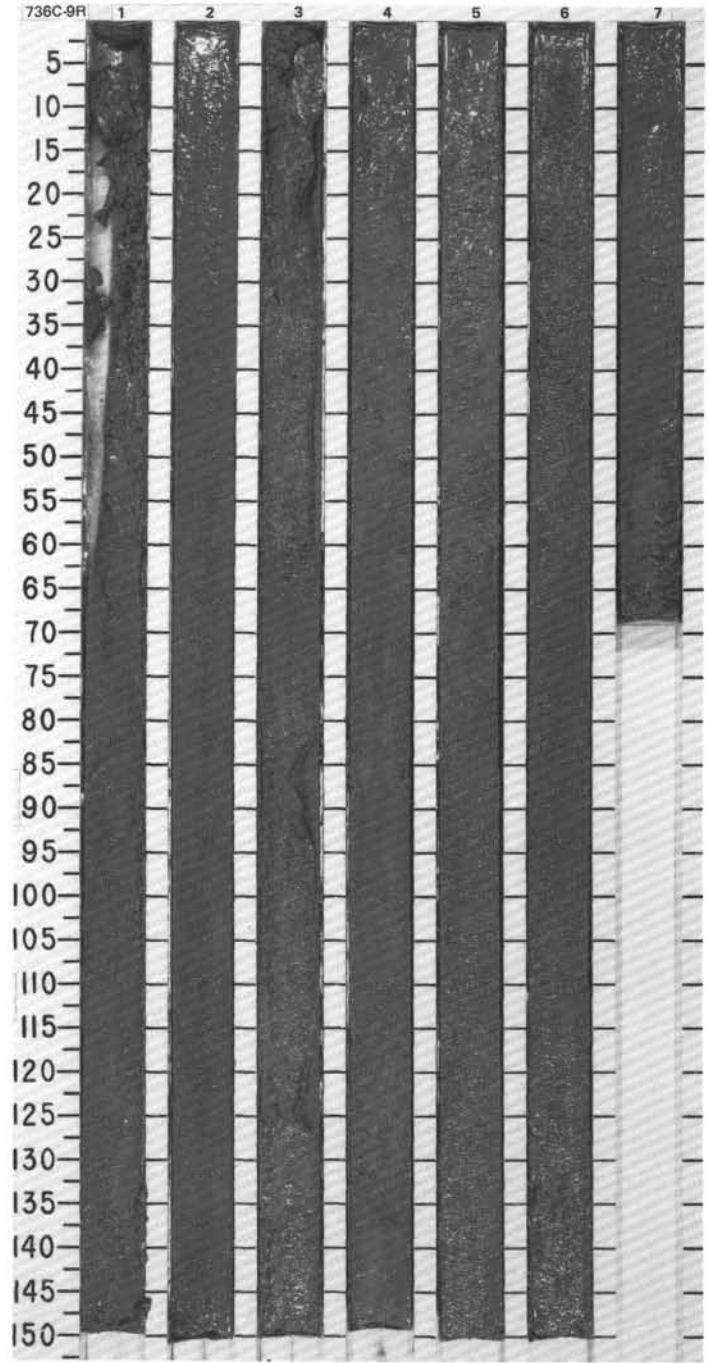
Sand	2	2
Silt	83	83
Clay	15	15

COMPOSITION:

Clay	15	15
Diatoms	83	83
Opauques	Tr	Tr
Quartz	Tr	Tr
Silicoflagellates	1	1

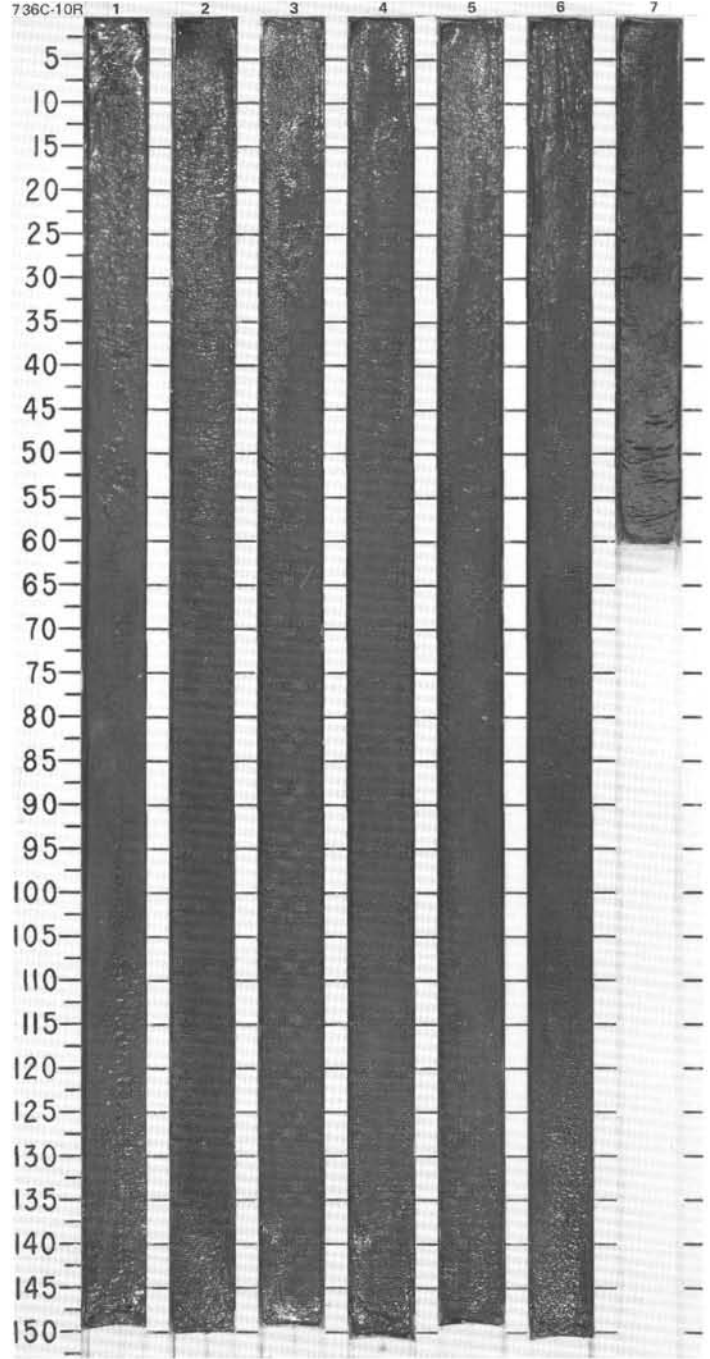


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																						
FORAMINIFERS	NANOFOSSILS	RADIOLARIANS	DIATOMS																																																
UPPER PLEIOCENE																																																			
C/G	F/M	C/G NR6	A/G	<i>N. interfrigidaria</i> / <i>C. vulnificus</i> to <i>N. interfrigidaria</i>																																															
				●W=64.4% γ=1.27																																															
				●%CaCO ₃ =0.3																																															
				●%CaCO ₃ =1.7																																															
VOID																																																			
<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive (5Y 4/4), homogeneous. Sprinkling of fine glass or ash fragments (Section 1, 0-80 cm; Section 4, 90-150 cm; Section 5, 0-50 cm). Very slight H₂S odour with dilute acid in Section 7, 50 cm.</p> <p>Drilling disturbance: soupliness suggests core is severely disturbed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2, 80</td> <td>6, 80</td> </tr> <tr> <td>D</td> <td></td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>1</td> <td>15</td> </tr> <tr> <td>Silt</td> <td>94</td> <td>80</td> </tr> <tr> <td>Clay</td> <td>5.5</td> <td></td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Access. Minerals</td> <td>Tr</td> <td>—</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> </tr> <tr> <td>Diatoms</td> <td>83</td> <td>85</td> </tr> <tr> <td>Foraminifers</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Glass</td> <td>1</td> <td>—</td> </tr> <tr> <td>Gypsum</td> <td>10</td> <td>10</td> </tr> <tr> <td>Quartz</td> <td>Tr</td> <td>—</td> </tr> <tr> <td>Silicoflagellates</td> <td>—</td> <td>Tr</td> </tr> </table>														2, 80	6, 80	D		D	Sand	1	15	Silt	94	80	Clay	5.5		Access. Minerals	Tr	—	Clay	5	5	Diatoms	83	85	Foraminifers	—	Tr	Glass	1	—	Gypsum	10	10	Quartz	Tr	—	Silicoflagellates	—	Tr
	2, 80	6, 80																																																	
D		D																																																	
Sand	1	15																																																	
Silt	94	80																																																	
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Access. Minerals	Tr	—																																																	
Clay	5	5																																																	
Diatoms	83	85																																																	
Foraminifers	—	Tr																																																	
Glass	1	—																																																	
Gypsum	10	10																																																	
Quartz	Tr	—																																																	
Silicoflagellates	—	Tr																																																	
XRD CB																																																			
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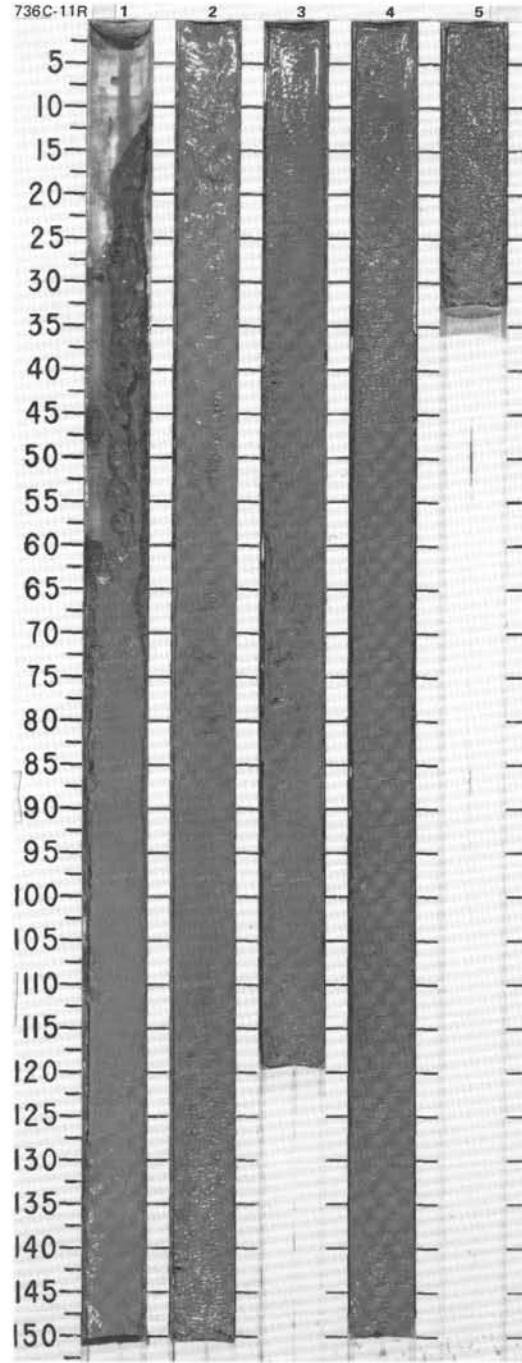


SITE 736 HOLE C CORE 10R CORED INTERVAL 923.5-933.2 mbsl; 284.0-293.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS								
UPPER PLOIOCENE												
C/G	<i>N. interfrigidaria</i> / <i>C. vulnificus</i> to <i>N. interfrigidaria</i>											
B	A/G NR6											
	A/M											
	● w-53.1x7-1.30											
	● %CaCO ₃ =0.3											

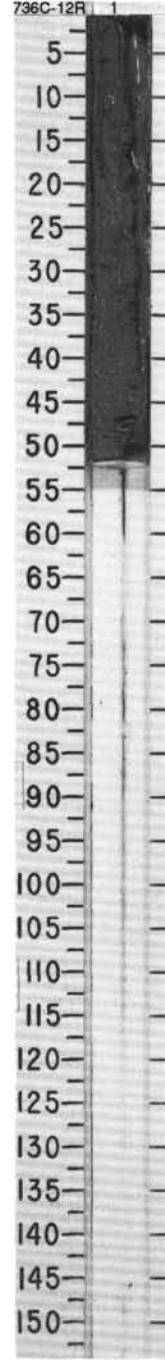


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER PLIOCENE					1	0.5	VOID			<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive gray (5Y 4/2) and olive (5Y 4/4, 5Y 4/3), homogeneous. A few basaltic pebbles (maximum size 5 mm) and silty ash/glass grains occur in Section 1, 0-140 cm.</p> <p>Drilling disturbance: top 9 cm of Section 1 comprises basaltic sand and pebbles, with minor ash, glass and diatom ooze. This is probably washed-in material from above. The rest of the core is soupy and was totally remobilized during drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="padding-left: 20px;">2, 80 D</p> <p>TEXTURE:</p> <p style="padding-left: 20px;">* Sand 0 Silt 80 Clay 20</p> <p>COMPOSITION:</p> <p style="padding-left: 20px;">Clay 15 Diatoms 84 Opaques Tr Spicules 1</p>
C/M				● W-58.9K γ 1.30	2	1.0				
B				● %CaCO ₃ = 0.3 %TOC = 0.32	3					
F/G NR6	<i>N. interfrigidaria</i> / <i>C. vulnificus</i> to <i>N. interfrigidaria</i>			● %CaCO ₃ = 0.4	4					
A/M					5					



SITE 736 HOLE C CORE 12R CORED INTERVAL 942.9-952.6 mbsl; 303.4-313.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS										
UPPER PLIOCENE	C/M	B	C/G NR6		w=84.6% $\gamma=1.25$	X CaCO ₃ =0.3	1		VOID				DIATOM OOZE Major lithology: Diatom ooze, olive (5Y 5/3). Drilling disturbance: soupy and totally remobilized on coring.

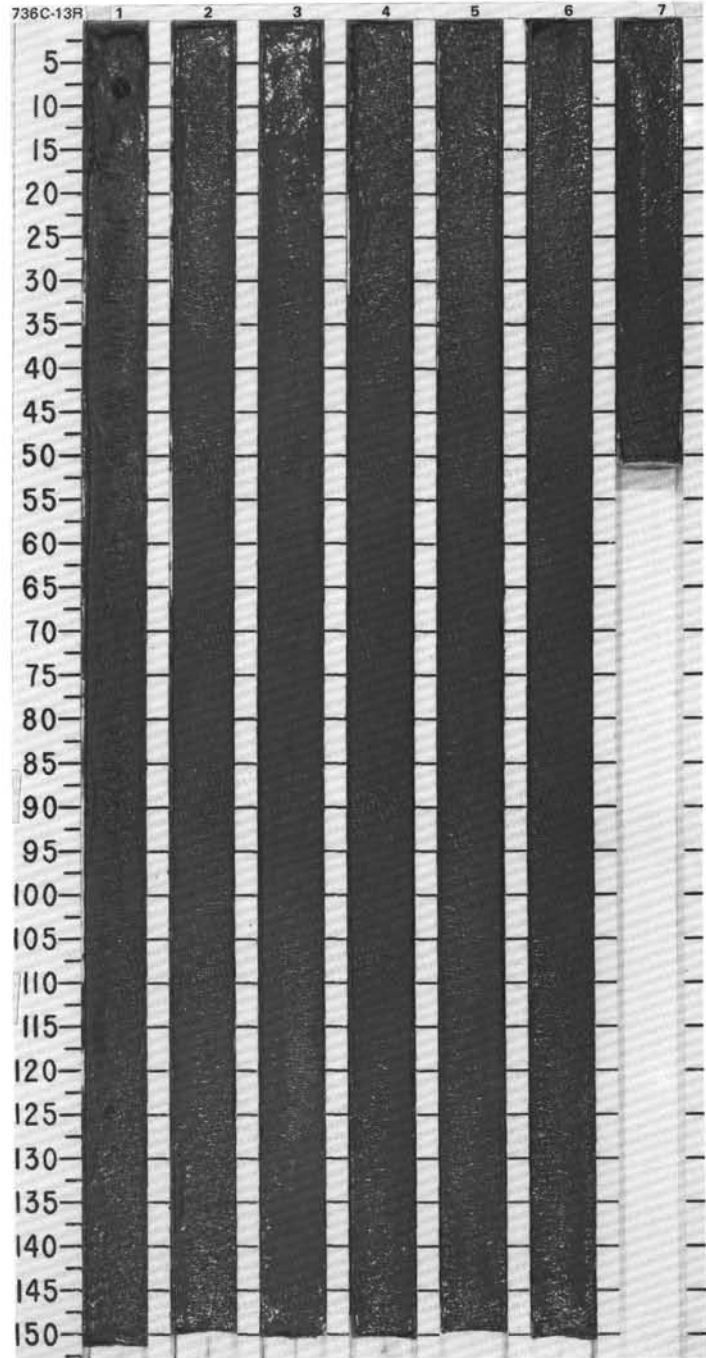


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																						
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS																																
	DIATOMS																																		
UPPER PLIOCENE	B							0.5					<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive (5Y 5/3), homogeneous.</p> <p>Drilling disturbance: soupy nature of sediment indicates total remobilization. Furthermore, in Section 1, 0-10 cm, are fragments of basalt (2 mm size) and a basalt pebble (3 cm size), subangular and with faint striations. These and other basalt fragments (1 mm size) sprinkled through Section 2, 0-40 cm appear to be drilling contamination.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table style="margin-left: 20px;"> <tr><td>Sand</td><td>2</td></tr> <tr><td>Silt</td><td>80</td></tr> <tr><td>Clay</td><td>19</td></tr> </table> <p>TEXTURE:</p> <table style="margin-left: 20px;"> <tr><td>Sand</td><td>1</td></tr> <tr><td>Silt</td><td>80</td></tr> <tr><td>Clay</td><td>19</td></tr> </table> <p>COMPOSITION:</p> <table style="margin-left: 20px;"> <tr><td>Clay</td><td>10</td></tr> <tr><td>Diatoms</td><td>89</td></tr> <tr><td>Feldspar</td><td>Tr</td></tr> <tr><td>Opaques</td><td>Tr</td></tr> <tr><td>Spicules</td><td>1</td></tr> </table>	Sand	2	Silt	80	Clay	19	Sand	1	Silt	80	Clay	19	Clay	10	Diatoms	89	Feldspar	Tr	Opaques	Tr	Spicules	1
	Sand	2																																	
	Silt	80																																	
	Clay	19																																	
	Sand	1																																	
	Silt	80																																	
	Clay	19																																	
Clay	10																																		
Diatoms	89																																		
Feldspar	Tr																																		
Opaques	Tr																																		
Spicules	1																																		
	B						1																												
	C/G NR6						2																												
	A/M	<i>N. interfrigidaria</i> / <i>C. vulnificus</i> to <i>N. interfrigidaria</i>					3																												
							4																												
							5																												
							6																												
							7																												
							CC																												

• w=68.2% γ=1.39

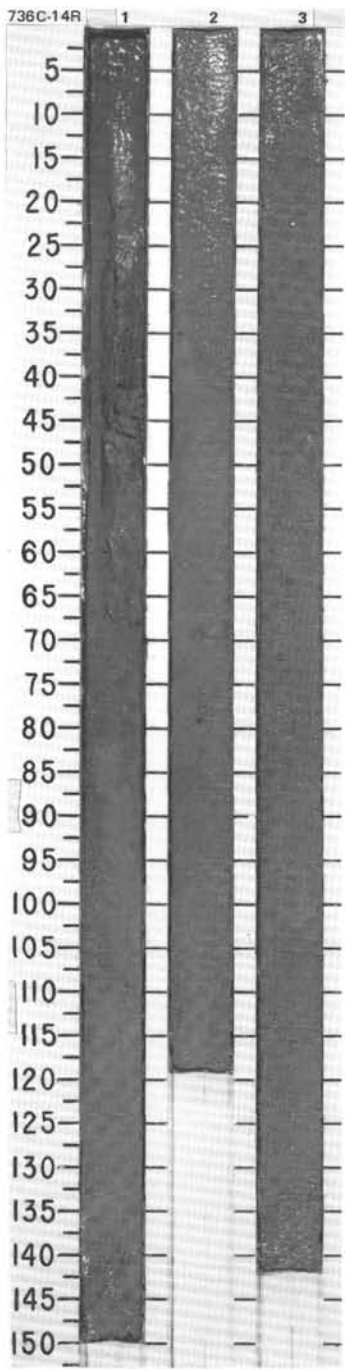
• %CaCO₃=0.3

VOID



SITE 736 HOLE C CORE 14R CORED INTERVAL 962.3-971.9 mbsl; 322.8-332.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
UPPER PLIOCENE	B	B	R/G NR6	A/M. <i>N. interfrigidaria</i> / <i>C. vulnificus</i> to <i>N. interfrigidaria</i>										
						● W=54.7% γ -1.34		1	0.5					
						● %CaCO ₃ =6.7 %TOC=0.35		2	1.0					
						● %CaCO ₃ =1.9		3						
								CC		VOID				

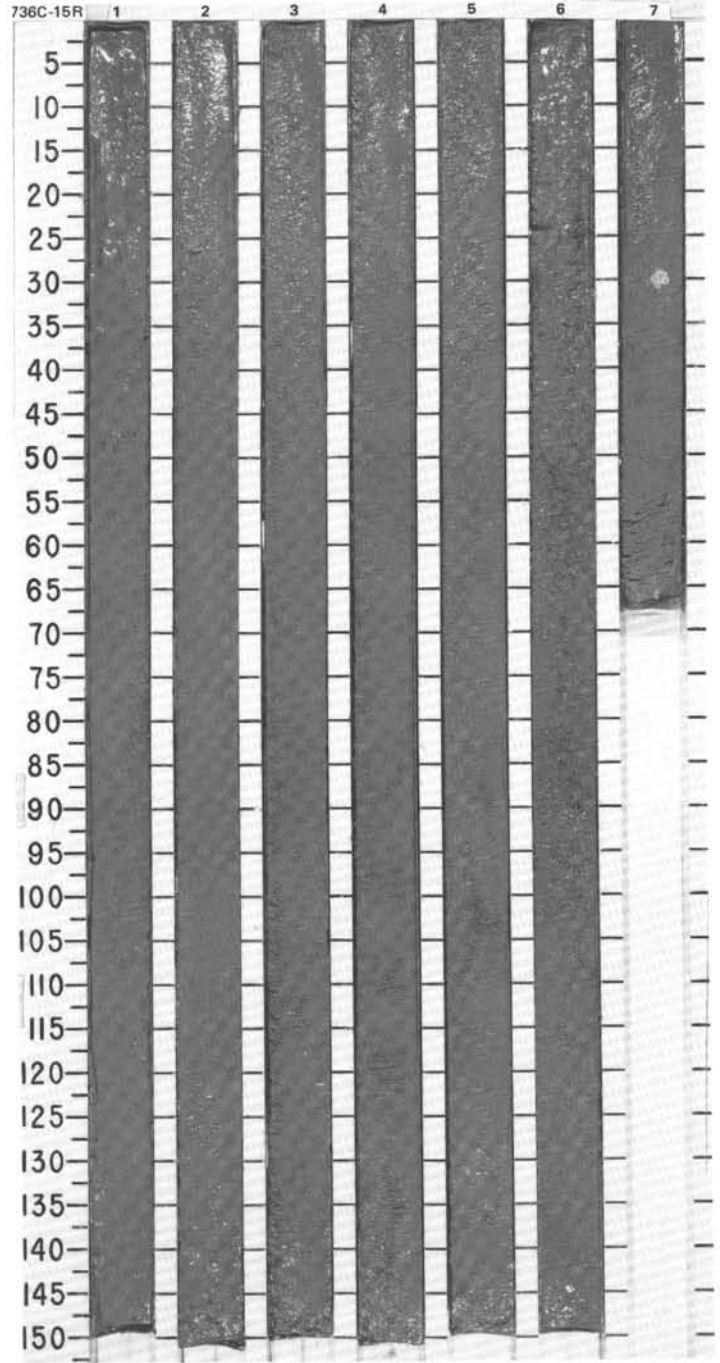


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANOFOSSILS	RADIOLARIANS	DIATOMS										
UPPER PLIOCENE														
B								1	0.5				G	<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive (5Y 5/3), homogeneous.</p> <p>Drilling disturbance: 0-20 cm, Section 1 there is a sprinkling of glass fragments, probably drilling or spitting contamination. Otherwise, the soupy nature of sediments indicates total remobilization.</p> <p>At 10 cm above bottom of ocre a slight H2S smell was emitted on treatment with HCl.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: right;">3, 80 D</p> <p>TEXTURE:</p> <p>Sand 5 Silt 90 Clay 5</p> <p>COMPOSITION:</p> <p>Access. Minerals 1 Clay 5 Diatoms 94 Spicules Tr</p>
B							2	1.0						
R/G NR6							3						*	
A/M							4							
							5							
							6							
							7						G	
							CC							

N. interfrigidaria / C. vulnificus to N. interfrigidaria

● %CaCO₃ = 5.3

VOID



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS									
UPPER PLIOCENE	B	B	R/G NR6	A/G <i>N. interfrigidaria</i> / <i>C. vulnificus</i> to <i>N. interfrigidaria</i>		w=40.2% $\gamma=1.28$ ● %CaCO ₃ =0.8		1 2 CC	0.5 1.0 1.5 2.0	Wavy lines indicating structure	O O O O O O O	<p>DIATOM OOZE</p> <p>Major lithology: Diatom ooze, olive (5Y 5/3), homogeneous.</p> <p>Drilling disturbance: Ash/glass dispersed through the upper 25 cm of Section 1, appears to be drilling contamination. Soupy nature of the sediment indicates total remobilization.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="margin-left: 20px;">2. 18 D</p> <p>TEXTURE:</p> <p>Sand 1 Silt 95 Clay 4</p> <p>COMPOSITION:</p> <p>Clay 10 Diatoms 90 Oxide Tr</p>	
										VOID		*	

