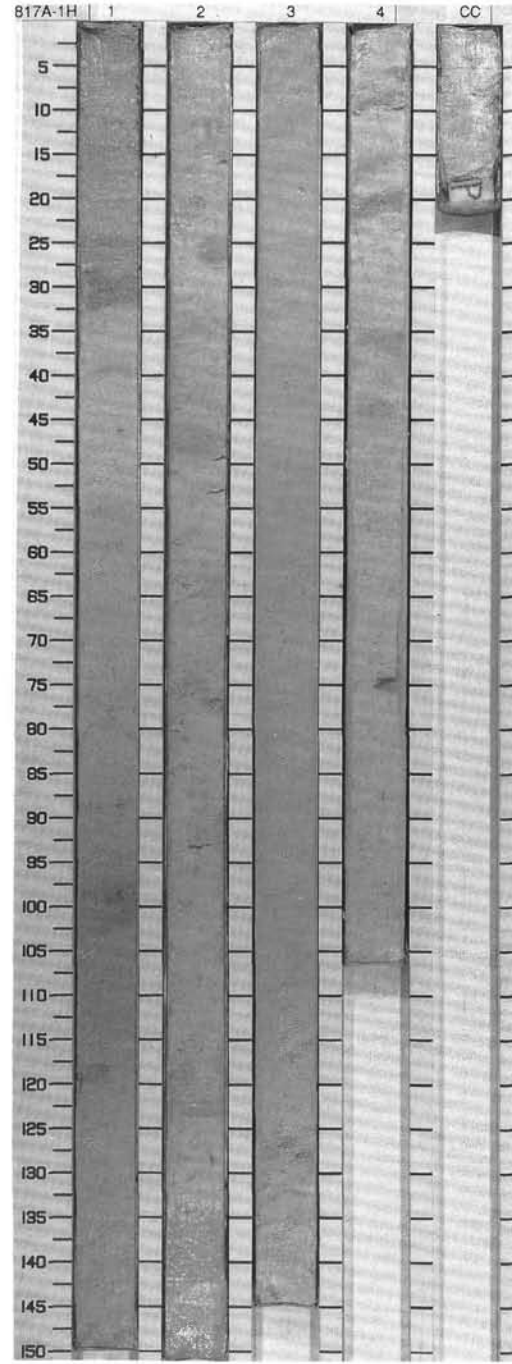
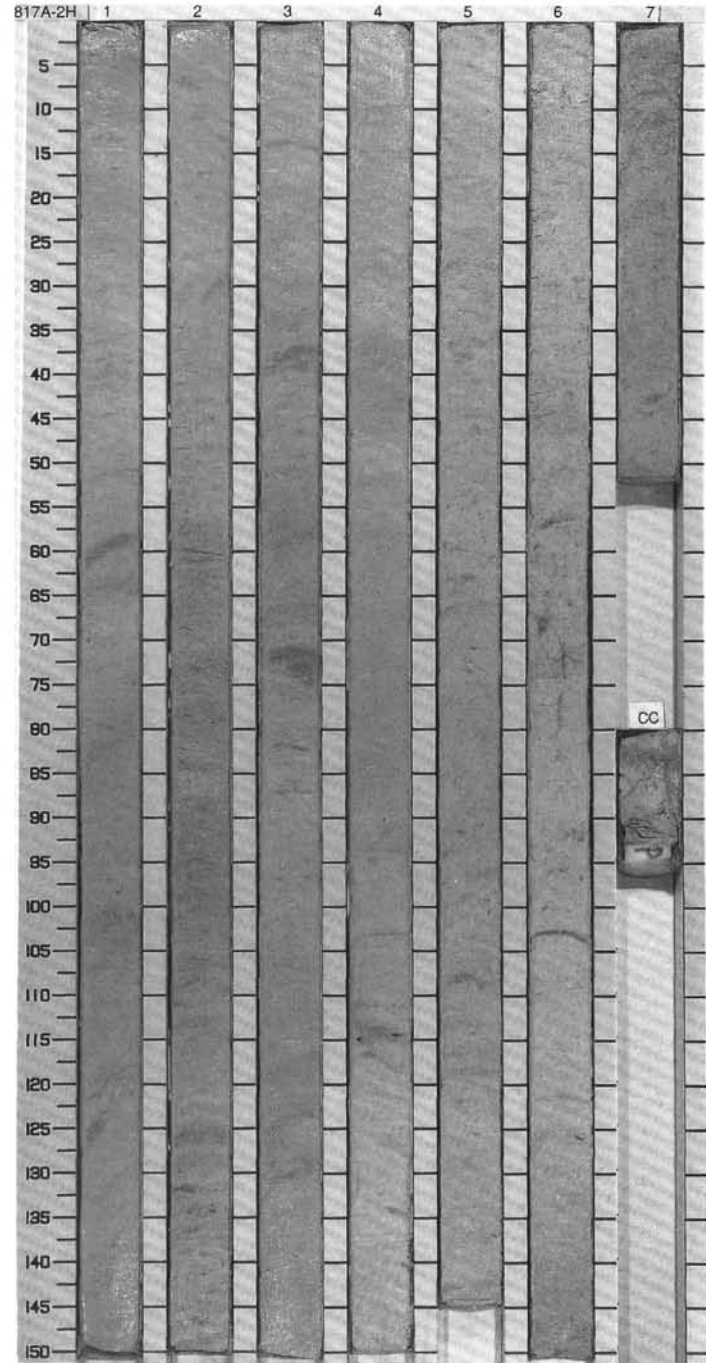


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																								
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																																																		
PLEISTOCENE	A/G	N22 - N23			N	70.5% 1.58	93.6, 2%	1	0.5 1.0	[Graphic Lithology: Pattern of '+' symbols]			*	<p>FORAMINIFER NANNOFOSSIL OOZE with PTEROPODS and FORAMINIFER NANNOFOSSIL OOZE</p> <p>Major lithology: White (8YR 8/1) FORAMINIFER NANNOFOSSIL OOZE with PTEROPODS occurs in Section 1 and Section 2, and FORAMINIFER NANNOFOSSIL OOZE, white (10YR 8/1) in color in Section 3 and Section 4. Minor bioturbation causes slightly greenish (5Y 8/1) mottles and layers throughout the core.</p> <p>Minor lithology: FORAMINIFER MICRITE OOZE with PTEROPODS and SPICULES occurs in Section 1, 0-31 cm. The color is white (10YR 8/2), light gray (10 YR 7/1) at the base. BIOCLASTIC FORAMINIFER OOZE with PTEROPODS occurs as a turbidite layer in Section 2, 132-142 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 15</td> <td>4, 20</td> <td>4, 69</td> </tr> <tr> <td></td> <td>M</td> <td>D</td> <td>D</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>25</td> <td>30</td> <td>27</td> </tr> <tr> <td>Inorganic calcite</td> <td>7</td> <td>Tr</td> <td>7</td> </tr> <tr> <td>Micrite</td> <td>35</td> <td>---</td> <td>---</td> </tr> <tr> <td>Nannofossils</td> <td>---</td> <td>49</td> <td>47</td> </tr> <tr> <td>Plagioclase</td> <td>---</td> <td>---</td> <td>1</td> </tr> <tr> <td>Polyquartz</td> <td>---</td> <td>---</td> <td>4</td> </tr> <tr> <td>Pteropod</td> <td>7</td> <td>8</td> <td>3</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>---</td> <td>---</td> </tr> <tr> <td>Rock fragment</td> <td>5</td> <td>---</td> <td>---</td> </tr> <tr> <td>Spicules</td> <td>15</td> <td>6</td> <td>10</td> </tr> <tr> <td>Tunicate</td> <td>3</td> <td>4</td> <td>---</td> </tr> <tr> <td>Volcanic ash</td> <td>1</td> <td>---</td> <td>1</td> </tr> </table>		1, 15	4, 20	4, 69		M	D	D	Foraminifers	25	30	27	Inorganic calcite	7	Tr	7	Micrite	35	---	---	Nannofossils	---	49	47	Plagioclase	---	---	1	Polyquartz	---	---	4	Pteropod	7	8	3	Quartz	2	---	---	Rock fragment	5	---	---	Spicules	15	6	10	Tunicate	3	4	---	Volcanic ash	1	---	1
		1, 15	4, 20	4, 69																																																																		
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Tunicate	3	4	---																																																																			
Volcanic ash	1	---	1																																																																			
A/G	CN15			N	68.3% 1.59	92.4%	2																																																															
				N	62.2% 1.72	96.9%	3																																																															
				N	66.6% 1.57	93.5%	4																																																															
							CC																																																															

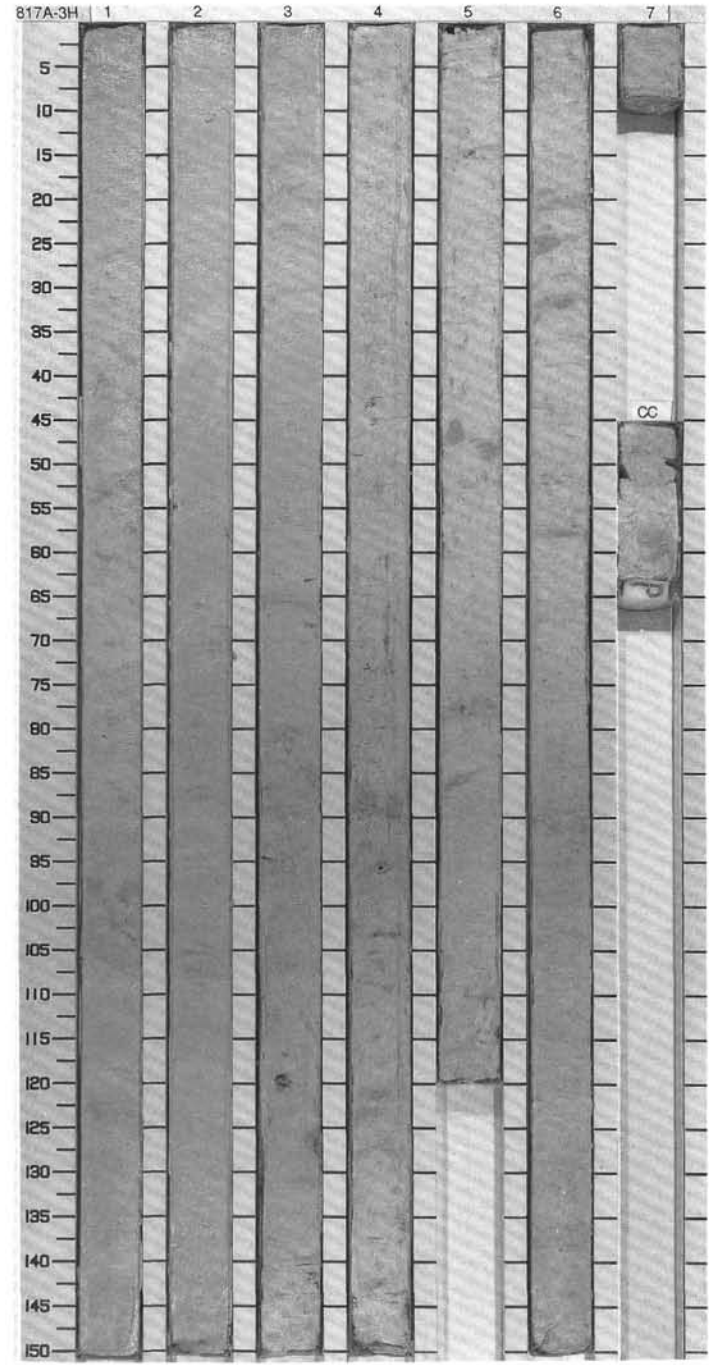


SITE 817 HOLE A CORE 2H CORED INTERVAL 5.7-15.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAZONS									
PLEISTOCENE													
A/G	N22 - N23												
A/G	CN14D												
					N	95.3% ● 0.60	94.5%	1					
					N	83.1% ● 1.70	96.1%	2					
					N	92.6% ● 0.73	96.6%	3					
					N	95.8% ● 1.66	95.6%	4					
					N	80.7% ● 1.68	95.4%	5					
					N	90.8% ● 1.63	95.3%	6					
					N			7					
					CC								

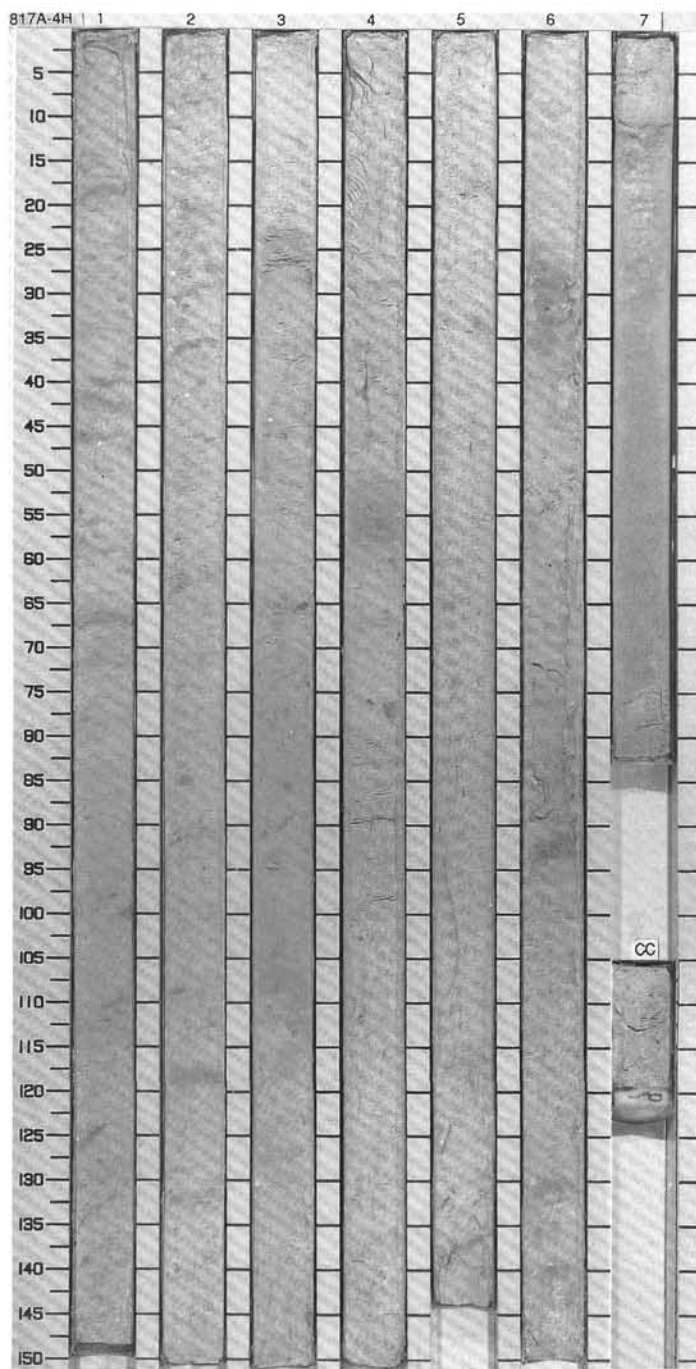


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																					
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																																																																															
PLEISTOCENE																																																																																																		
N22 - N23																																																																																																		
CN14B																																																																																																		
A/G				N			1	0.5 - 1.0					<p>MICRITE OOZE with NANNOFOSSILS, FORAMINIFERS and BIOCLASTS to NANNOFOSSIL OOZE with BIOCLASTS, MICRITE and FORAMINIFERS</p> <p>* Major lithology: This core contains MICRITE OOZE with NANNOFOSSILS, FORAMINIFERS and BIOCLASTS, while (10YR 8/1) with greenish white (10Y 7/1) mottles. Pteropods within this ooze were noted in Section 1, 50 cm. A more homogenous NANNOFOSSIL OOZE with BIOCLASTS, MICRITE and FORAMINIFERS occurs in Section 1, 120-150 cm, in Section 2 and in top of Section 3, 0-15 cm. The change between the two lithologies is gradual. A pumice fragment occurs in Section 3, at 118 cm. Minor bioturbation causes light greenish (10Y 7/1) mottles throughout the core.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>CF</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1,66</td> <td>1,73</td> <td>2,53</td> <td>3,92</td> <td></td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td></td> </tr> </table> <p>* TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>55</td> <td>---</td> <td>30</td> <td>35</td> </tr> <tr> <td>Silt</td> <td>20</td> <td>---</td> <td>50</td> <td>20</td> </tr> <tr> <td>Clay</td> <td>25</td> <td>---</td> <td>20</td> <td>45</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Aggregates</td> <td>---</td> <td>5</td> <td>---</td> <td>---</td> </tr> <tr> <td>Bioclast</td> <td>5</td> <td>34</td> <td>---</td> <td>15</td> </tr> <tr> <td>Calcite</td> <td>---</td> <td>1</td> <td>---</td> <td>5</td> </tr> <tr> <td>Echinoid</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>Fish</td> <td>---</td> <td>Tr</td> <td>---</td> <td>---</td> </tr> <tr> <td>Foraminifers</td> <td>20</td> <td>60</td> <td>20</td> <td>10</td> </tr> <tr> <td>Intraclasts</td> <td>10</td> <td>---</td> <td>5</td> <td>---</td> </tr> <tr> <td>Lithoclast</td> <td>---</td> <td>---</td> <td>---</td> <td>2</td> </tr> <tr> <td>Micrite</td> <td>25</td> <td>---</td> <td>20</td> <td>45</td> </tr> <tr> <td>Nannofossils</td> <td>20</td> <td>---</td> <td>45</td> <td>20</td> </tr> <tr> <td>Spicules</td> <td>20</td> <td>---</td> <td>5</td> <td>3</td> </tr> </table>		CF				1,66	1,73	2,53	3,92		D	D	D	D		Sand	55	---	30	35	Silt	20	---	50	20	Clay	25	---	20	45	Aggregates	---	5	---	---	Bioclast	5	34	---	15	Calcite	---	1	---	5	Echinoid	---	---	---	---	Fish	---	Tr	---	---	Foraminifers	20	60	20	10	Intraclasts	10	---	5	---	Lithoclast	---	---	---	2	Micrite	25	---	20	45	Nannofossils	20	---	45	20	Spicules	20	---	5	3
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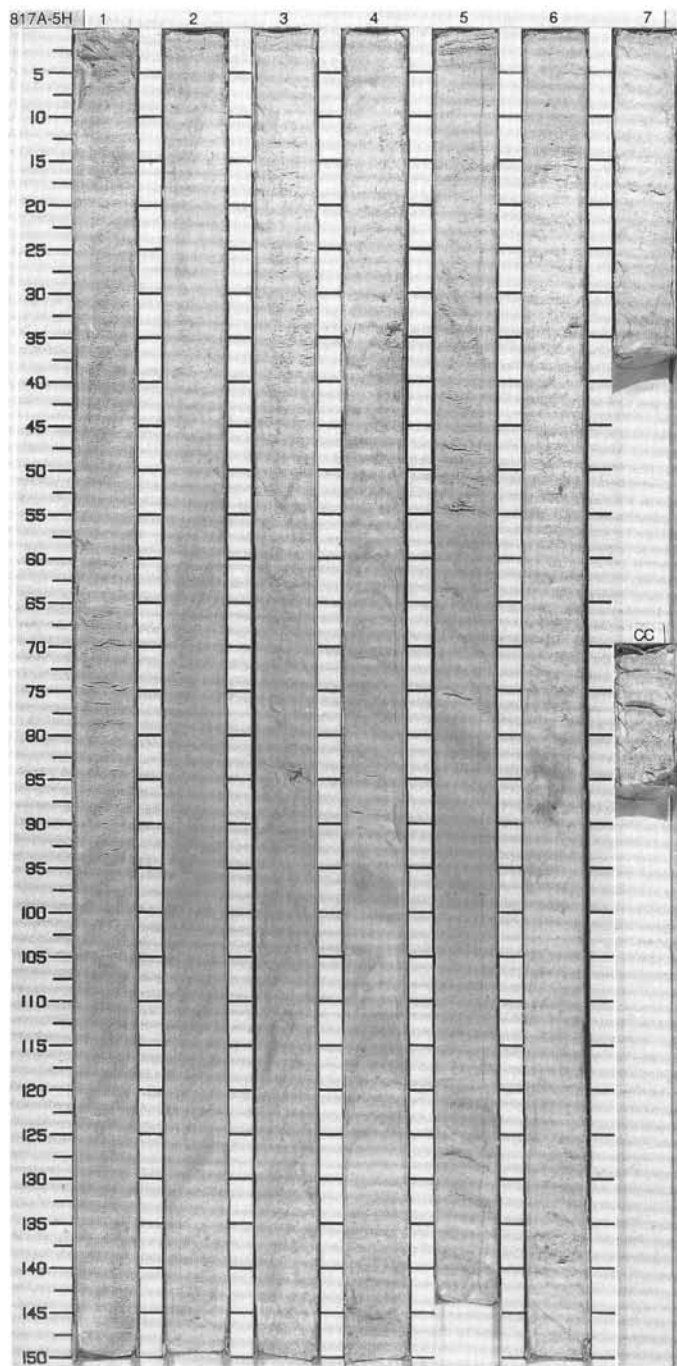


SITE 817 HOLE A CORE 4H CORED INTERVAL 24.7-34.2 mbsf

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	DIAZONES																																																																																																																										
PLEISTOCENE													<p>NANNOFOSSIL OOZE with BIOCLASTS, FORAMINIFERS and DETRITAL CALCITE to NANNOFOSSIL OOZE with BIOCLASTS and LITHOCLASTS</p> <p>Major lithology: NANNOFOSSIL OOZE with BIOCLASTS, FORAMINIFERS and DETRITAL CALCITE occurs in Section 1 and Section 2. The color is white (10YR 8/1). NANNOFOSSIL OOZE with BIOCLASTS and LITHOCLASTS was noted in Section 4 and Section 5. In Section 3 the minor constituents of the nannofossil ooze are lithoclasts and bioclasts, and foraminifers. Minor bioturbation occurs throughout the major lithologies, causing light gray (2.5Y 7/2) mottling of the sediment.</p> <p>Minor lithology: FORAMINIFER LITHOCLAST OOZE in Section 4. 50-60 cm, fining upward gradation, white (10YR 8/1) in color. FORAMINIFER NANNOFOSSIL OOZE with BIOCLASTS and LITHOCLASTS occurs in Section 7, 9-73 cm. The base has a sharp contact, the top is irregular but fairly sharp. The color of this interval is white (10YR 8/1).</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 50</td> <td>3, 23</td> <td>4, 53</td> <td>6, 50</td> <td>6, 62</td> <td>7, 11</td> </tr> <tr> <td></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>35</td> <td>5</td> <td>25</td> <td>25</td> <td>---</td> <td>30</td> </tr> <tr> <td>Silt</td> <td>65</td> <td>25</td> <td>30</td> <td>30</td> <td>---</td> <td>40</td> </tr> <tr> <td>Clay</td> <td>---</td> <td>70</td> <td>45</td> <td>45</td> <td>---</td> <td>30</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Bioclast</td> <td>---</td> <td>---</td> <td>5</td> <td>---</td> <td>10</td> <td>15</td> </tr> <tr> <td>Calcite</td> <td>10</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>Feldspar</td> <td>---</td> <td>---</td> <td>2</td> <td>5</td> <td>---</td> <td>---</td> </tr> <tr> <td>Foraminifers</td> <td>10</td> <td>5</td> <td>15</td> <td>15</td> <td>10</td> <td>20</td> </tr> <tr> <td>Intraclasts</td> <td>10</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>Lithoclast</td> <td>---</td> <td>---</td> <td>15</td> <td>12</td> <td>5</td> <td>15</td> </tr> <tr> <td>Micrite</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> <td>10</td> <td>---</td> </tr> <tr> <td>Nannofossils</td> <td>55</td> <td>85</td> <td>55</td> <td>55</td> <td>40</td> <td>40</td> </tr> <tr> <td>Pteropod</td> <td>1</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>Quartz</td> <td>---</td> <td>2</td> <td>2</td> <td>5</td> <td>5</td> <td>2</td> </tr> <tr> <td>Spicules</td> <td>14</td> <td>3</td> <td>5</td> <td>10</td> <td>15</td> <td>8</td> </tr> </table>		1, 50	3, 23	4, 53	6, 50	6, 62	7, 11		D	D	D	D	D	D	Sand	35	5	25	25	---	30	Silt	65	25	30	30	---	40	Clay	---	70	45	45	---	30	Bioclast	---	---	5	---	10	15	Calcite	10	---	---	---	---	---	Feldspar	---	---	2	5	---	---	Foraminifers	10	5	15	15	10	20	Intraclasts	10	---	---	---	---	---	Lithoclast	---	---	15	12	5	15	Micrite	---	---	---	---	10	---	Nannofossils	55	85	55	55	40	40	Pteropod	1	---	---	---	---	---	Quartz	---	2	2	5	5	2	Spicules	14	3	5	10	15	8
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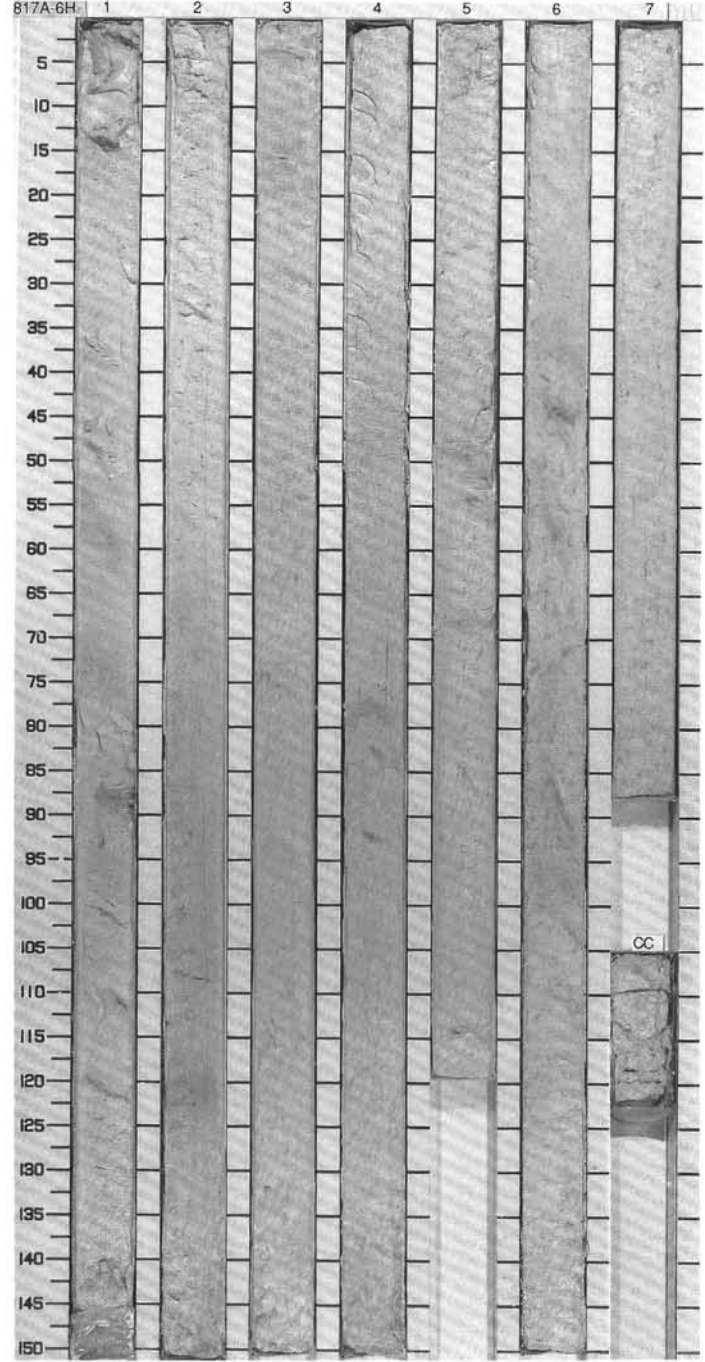


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																								
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R?	N		N			1	0.5 - 1.0				*	<p>MICRITIC OOZE with BIOCLASTS, FORAMINIFERS, CARBONATE LITHOCLASTS</p> <p>Major lithology: The major component of the sediments is a MICRITIC OOZE with different minor components. These are BIOCLASTS, FORAMINIFERS, CARBONATE LITHOCLASTS and TRACE QUARTZ in Section 1, FORAMINIFERS and BIOCLASTS in Section 2 and Section 3, sparse FORAMINIFERS in Section 4, and BIOCLASTS and LITHOCLASTS in Section 5. A pure MICRITIC OOZE occurs in Section 6 and Section 7. The color of the ooze is white (10YR 8/1 to 2.5Y 8/0). Minor bioturbation causes white (10YR 8/1) mottling in Section 5 and Section 6. Concave downward bending of the bedding is caused by drilling. Slumping occurs in Section 2, Section 3, and in Section 4, 0-45 cm.</p> <p>Minor lithology: CALCAREOUS CHALK, partially lithified, was noted in Section 4, 36-47 cm, a turbiditic coarse grained FORAMINIFER OOZE in Section 6, 83-90 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 60</td> <td>6, 26</td> <td>6, 89</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>---</td> <td>30</td> <td>30</td> </tr> <tr> <td>Silt</td> <td>---</td> <td>40</td> <td>40</td> </tr> <tr> <td>Clay</td> <td>---</td> <td>30</td> <td>30</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Bioclast</td> <td>14</td> <td>5</td> <td>5</td> </tr> <tr> <td>Dolomite</td> <td>---</td> <td>Tr</td> <td>---</td> </tr> <tr> <td>Feilspat</td> <td>---</td> <td>---</td> <td>1</td> </tr> <tr> <td>Foraminifers</td> <td>4</td> <td>15</td> <td>10</td> </tr> <tr> <td>Lithoclast</td> <td>10</td> <td>15</td> <td>12</td> </tr> <tr> <td>Micrite</td> <td>48</td> <td>28</td> <td>30</td> </tr> <tr> <td>Nannofossils</td> <td>19</td> <td>30</td> <td>30</td> </tr> <tr> <td>Quartz</td> <td>Tr</td> <td>3</td> <td>5</td> </tr> <tr> <td>Spicules</td> <td>5</td> <td>2</td> <td>5</td> </tr> </table>		1, 60	6, 26	6, 89		D	D	D	Sand	---	30	30	Silt	---	40	40	Clay	---	30	30	Bioclast	14	5	5	Dolomite	---	Tr	---	Feilspat	---	---	1	Foraminifers	4	15	10	Lithoclast	10	15	12	Micrite	48	28	30	Nannofossils	19	30	30	Quartz	Tr	3	5	Spicules	5	2	5
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Silt	---	40	40																																																																	
Clay	---	30	30																																																																	
Bioclast	14	5	5																																																																	
Dolomite	---	Tr	---																																																																	
Feilspat	---	---	1																																																																	
Foraminifers	4	15	10																																																																	
Lithoclast	10	15	12																																																																	
Micrite	48	28	30																																																																	
Nannofossils	19	30	30																																																																	
Quartz	Tr	3	5																																																																	
Spicules	5	2	5																																																																	
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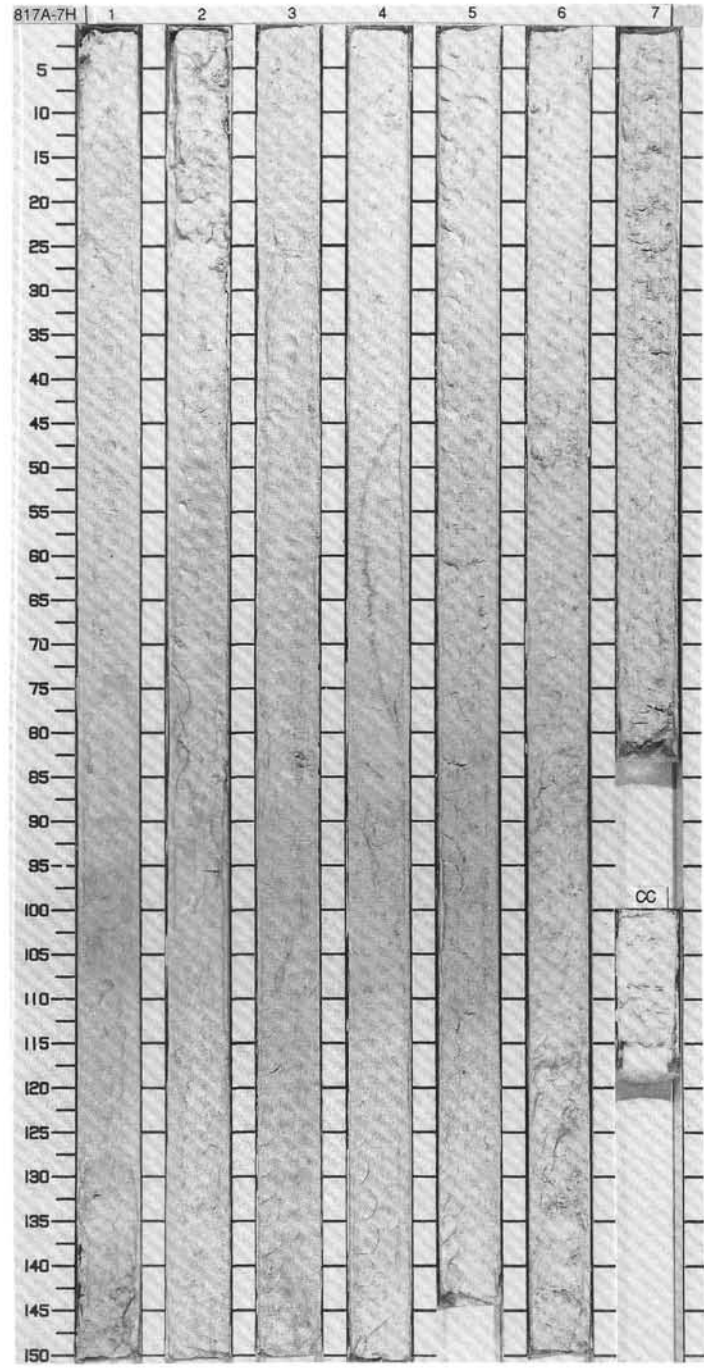


SITE 817 HOLE A CORE 6H CORED INTERVAL 43.7-53.2 mbsf

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	DIAZONAS																																																																																																																																																										
PLEISTOCENE																																																																																																																																																														
A/M	N22 - N23				R?	82.5% 1.92		1	0.5					<p>MICRITIC OOZE with BIOCLASTS, FORAMINIFERS, SPICULES and CLAY</p> <p>Major lithology: This core contains mainly MICRITIC OOZE with variable minor constituents which are FORAMINIFERS, BIOCLASTS and SPICULES in Section 1 and Section 2 (also containing CLAY), FORAMINIFERS in Section 3 and Section 4, and NANNOFOSSILS, BIOCLASTS, PLANKTONIC FORAMINIFERS, and ANGLULAR QUARTZ in Section 5. Section 6 is a MICRITIC OOZE with FORAMINIFERS. The color of this ooze is white (7.5YR 8/0). Burrows are filled with light gray (5Y 7/1) micritic clayey ooze.</p> <p>Minor lithology: Firm to weak CHALK occurs in Section 2, 136-144 cm, and as patches within the ooze in Section 7, 0-87 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 52</td> <td>1, 86</td> <td>1, 87</td> <td>2, 120</td> <td>4, 58</td> <td>4, 60</td> <td>6, 45</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>M</td> </tr> <tr> <td>Sand</td> <td>15</td> <td>---</td> <td>8</td> <td>10</td> <td>---</td> <td>5</td> <td>---</td> </tr> <tr> <td>Silt</td> <td>25</td> <td>---</td> <td>52</td> <td>50</td> <td>---</td> <td>50</td> <td>---</td> </tr> <tr> <td>Clay</td> <td>60</td> <td>---</td> <td>40</td> <td>40</td> <td>---</td> <td>45</td> <td>---</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>15</td> <td>---</td> <td>8</td> <td>10</td> <td>---</td> <td>5</td> <td>---</td> </tr> <tr> <td>Silt</td> <td>25</td> <td>---</td> <td>52</td> <td>50</td> <td>---</td> <td>50</td> <td>---</td> </tr> <tr> <td>Clay</td> <td>60</td> <td>---</td> <td>40</td> <td>40</td> <td>---</td> <td>45</td> <td>---</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Aragonite</td> <td>5</td> <td>---</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>Bioclast</td> <td>5</td> <td>20</td> <td>5</td> <td>---</td> <td>15</td> <td>5</td> <td>20</td> </tr> <tr> <td>Clay</td> <td>---</td> <td>20</td> <td>---</td> <td>---</td> <td>---</td> <td>Tr</td> <td>20</td> </tr> <tr> <td>Foraminifers</td> <td>15</td> <td>5</td> <td>8</td> <td>8</td> <td>10</td> <td>5</td> <td>10</td> </tr> <tr> <td>Intraclasts</td> <td>---</td> <td>---</td> <td>---</td> <td>15</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>Lithoclast</td> <td>10</td> <td>---</td> <td>20</td> <td>10</td> <td>---</td> <td>15</td> <td>---</td> </tr> <tr> <td>Micrite</td> <td>37</td> <td>25</td> <td>41</td> <td>36</td> <td>47</td> <td>45</td> <td>25</td> </tr> <tr> <td>Nannofossils</td> <td>20</td> <td>20</td> <td>15</td> <td>15</td> <td>20</td> <td>15</td> <td>15</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>Tr</td> <td>3</td> <td>5</td> <td>3</td> <td>5</td> <td>5</td> </tr> <tr> <td>Spicules</td> <td>---</td> <td>5</td> <td>3</td> <td>6</td> <td>---</td> <td>5</td> <td>---</td> </tr> </table>		1, 52	1, 86	1, 87	2, 120	4, 58	4, 60	6, 45		D	D	D	D	D	D	M	Sand	15	---	8	10	---	5	---	Silt	25	---	52	50	---	50	---	Clay	60	---	40	40	---	45	---	Sand	15	---	8	10	---	5	---	Silt	25	---	52	50	---	50	---	Clay	60	---	40	40	---	45	---	Aragonite	5	---	5	5	5	5	5	Bioclast	5	20	5	---	15	5	20	Clay	---	20	---	---	---	Tr	20	Foraminifers	15	5	8	8	10	5	10	Intraclasts	---	---	---	15	---	---	---	Lithoclast	10	---	20	10	---	15	---	Micrite	37	25	41	36	47	45	25	Nannofossils	20	20	15	15	20	15	15	Quartz	3	Tr	3	5	3	5	5	Spicules	---	5	3	6	---	5	---
	1, 52	1, 86	1, 87	2, 120	4, 58	4, 60	6, 45																																																																																																																																																							
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Sand	15	---	8	10	---	5	---																																																																																																																																																							
Silt	25	---	52	50	---	50	---																																																																																																																																																							
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Bioclast	5	20	5	---	15	5	20																																																																																																																																																							
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Foraminifers	15	5	8	8	10	5	10																																																																																																																																																							
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Lithoclast	10	---	20	10	---	15	---																																																																																																																																																							
Micrite	37	25	41	36	47	45	25																																																																																																																																																							
Nannofossils	20	20	15	15	20	15	15																																																																																																																																																							
Quartz	3	Tr	3	5	3	5	5																																																																																																																																																							
Spicules	---	5	3	6	---	5	---																																																																																																																																																							
A/C	CN14a				N	66.0% 1.70	88.7% 1.49	2	1.0																																																																																																																																																					
					N	81.6% 1.85	92.0% 1.45	3	1.5																																																																																																																																																					
					N	60.5% 1.76	92.6% 1.46	4	2.0																																																																																																																																																					
					N	83.1% 1.71	93.4% 1.46	5	2.5																																																																																																																																																					
					R?	90.3% 1.53	93.0% 1.46	6	3.0																																																																																																																																																					
					uncertain polarity			7	3.5																																																																																																																																																					

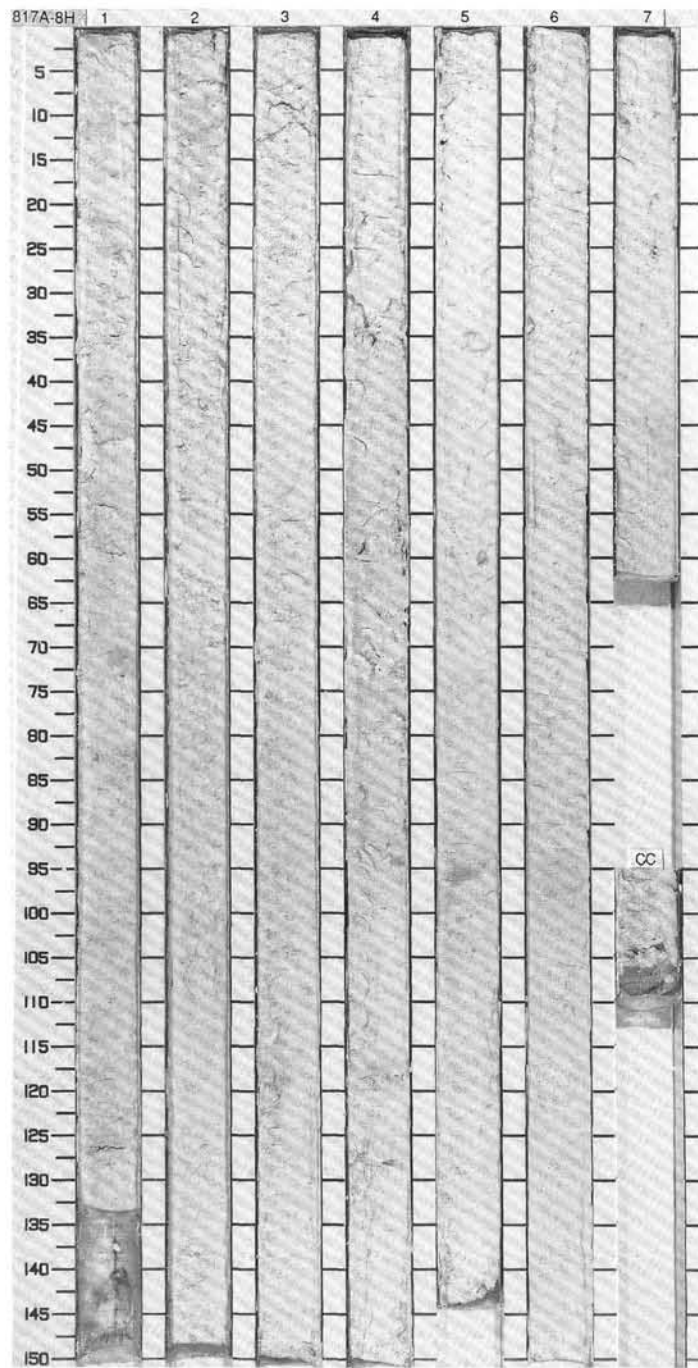


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS											DIATOMS
PLEISTOCENE	N22 - N23 CN13b			uncertain polarity									
A/M				● 59.1% ● 1.79	● 41.3% ● 1.75	● 93.4%	1	0.5					<p>MICRITIC OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains MICRITIC OOZE with FORAMINIFERS. The color is white (7.5YR 8/0). Minor bioturbation appears darker white (10YR 8/1) colored. Smaller amounts of CHALK occur in Section 1, 130-150 cm, Section 2, 0-25 cm, and 125-150 cm, as patches in Section 3, Section 4 and Section 5, and in Section 6, 40-150 cm, and Section 7, 0-40 cm.</p> <p>Minor lithology: White (10YR 8/1) FORAMINIFER MICRITE OOZE occurs in Section 1, 92-104 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p>TEXTURE:</p> <p>Sand 10 Silt 30 Clay 60</p> <p>COMPOSITION:</p> <p>Bioclast 8 Feldspar 2 Foraminifers 10 Lithoclast 10 Micrite 48 Nannofossils 15 Quartz 5 Spicules 2</p>
A/G				● 62.1% ● 1.75	● 93.3%	2	1.0						
				● 66.3% ● 1.86	● 92.0%	3	1.5						
				● 62.0% ● 1.81	● 93.9%	4	2.0						
				● 62.1% ● 1.75	● 93.3%	5	2.5						
				● 62.0% ● 1.81	● 93.9%	6	3.0						
				● 62.0% ● 1.81	● 93.9%	7	3.5						
CC													

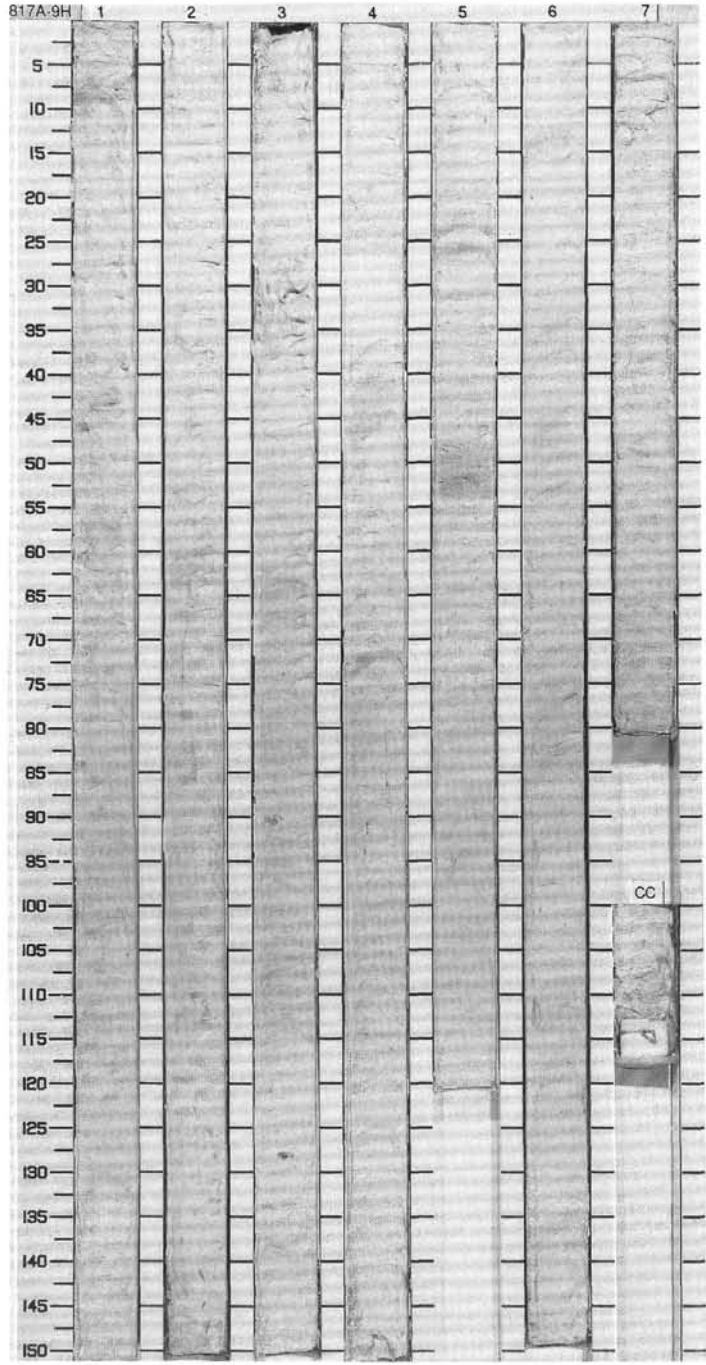


SITE 817 HOLE A CORE 8H CORED INTERVAL 62.7-72.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																								
PLEISTOCENE N22 - N23 CN13a	A/G		63.0% 1.77	92.9%	1	0.5 - 1.0	[Pattern]				<p>MICRITIC OOZE with NANNOFOSSILS and LITHOCLASTS over NANNOFOSSIL OOZE with MICRITE and LITHOCLASTS</p> <p>Major lithology: This core contains cohesive, firm MICRITIC OOZE with NANNOFOSSILS and LITHOCLASTS, very white (10YR 8/0) with purple patches, and white (5Y 8/1) horizontal burrows. Patches of CHALK were noted in Section 1, at 22, 53, and 120 cm, and in Section 2, at 18, 32, 50, 60, and 110cm. Very white (10YR 8/0) cohesive, firm NANNOFOSSIL OOZE with MICRITE and LITHOCLASTS occurs in Section 3 to Section 7, with CHALK patches in Section 3, at 10, 25, and 65 cm, in Section 4 at 80 and 120 cm, in Section 5 at 5 cm, in Section 6 at 20 and 70 cm. Minor bioturbation throughout the core evident light gray (10YR 7/1) burrow mottling. Possible slumping was noted in Section 6, 5-65 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <th></th> <th>1, 100</th> <th>3, 100</th> <th>5, 100</th> </tr> <tr> <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>30</td> <td>30</td> <td>26</td> </tr> <tr> <td>Silt</td> <td>20</td> <td>50</td> <td>55</td> </tr> <tr> <td>Clay</td> <td>50</td> <td>20</td> <td>19</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Dolomite</td> <td>---</td> <td>5</td> <td>---</td> </tr> <tr> <td>Foraminifers</td> <td>5</td> <td>---</td> <td>5</td> </tr> <tr> <td>Lithoclast</td> <td>20</td> <td>20</td> <td>15</td> </tr> <tr> <td>Mica</td> <td>---</td> <td>---</td> <td>3</td> </tr> <tr> <td>Micrite</td> <td>50</td> <td>20</td> <td>19</td> </tr> <tr> <td>Nannofossils</td> <td>20</td> <td>50</td> <td>55</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Rock fragment</td> <td>3</td> <td>3</td> <td>---</td> </tr> <tr> <td>Zircon</td> <td>---</td> <td>---</td> <td>1</td> </tr> </table>		1, 100	3, 100	5, 100	D	D	D	D	Sand	30	30	26	Silt	20	50	55	Clay	50	20	19	Dolomite	---	5	---	Foraminifers	5	---	5	Lithoclast	20	20	15	Mica	---	---	3	Micrite	50	20	19	Nannofossils	20	50	55	Quartz	2	2	2	Rock fragment	3	3	---	Zircon	---	---	1
		1, 100	3, 100	5, 100																																																															
	D	D	D	D																																																															
	Sand	30	30	26																																																															
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Quartz	2	2	2																																																																
Rock fragment	3	3	---																																																																
Zircon	---	---	1																																																																
		66.6% 1.87	95.0%	2	1.0 - 2.0	[Pattern]																																																													
		61.9% 1.75	94.6%	3	2.0 - 3.0	[Pattern]																																																													
		63.3% 1.76	94.9%	4	3.0 - 4.0	[Pattern]																																																													
		61.5% 1.80	94.2%	5	4.0 - 5.0	[Pattern]																																																													
		67.8% 1.78	94.5%	6	5.0 - 6.0	[Pattern]																																																													
				7	6.0 - 7.0	[Pattern]																																																													



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										FORAMINIFERS	PHYS. PROPERTIES	CHEMISTRY	NANNOFOSSILS	PHYS. PROPERTIES	CHEMISTRY
													FORAMINIFERS	PHYS. PROPERTIES	CHEMISTRY			
													NANNOFOSSILS	PHYS. PROPERTIES	CHEMISTRY			
UPPER PLIOCENE	N22 - N23	CN1.2c	uncertain polarity															
A/G			59.2% 1.77	64.0% 1.78	93.2%	1												
A/G			57.6% 1.85	61.8% 1.75	96.1%	2												
			94.9%	94.1%		3												
						4												
						5												
						6												
						7												
						CC												



MICRITE OOZE with CLAY, FORAMINIFERS and NANNOFOSSILS to MICRITE OOZE with CLAY and NANNOFOSSILS

Major lithology: This core contains MICRITE OOZE with CLAY, FORAMINIFERS and NANNOFOSSILS, white (10YR 8/0) in color, in Section 1 and Section 2. Very white (10YR 8/0) firm MICRITE OOZE with CLAY and NANNOFOSSILS occur in the other sections. From Section 3, 50 cm downcore, a very thin bedding with 0.5 to 1 cm spacing occurs. The light gray (10YR 7/1) layers are MICRITIC OOZE with CLAY, FORAMINIFERS, NANNOFOSSILS and LITHOCLASTS and richer in terrigenous material.

SMEAR SLIDE SUMMARY (%):

	1, 100	3, 74	5, 51
	D	D	D

TEXTURE:

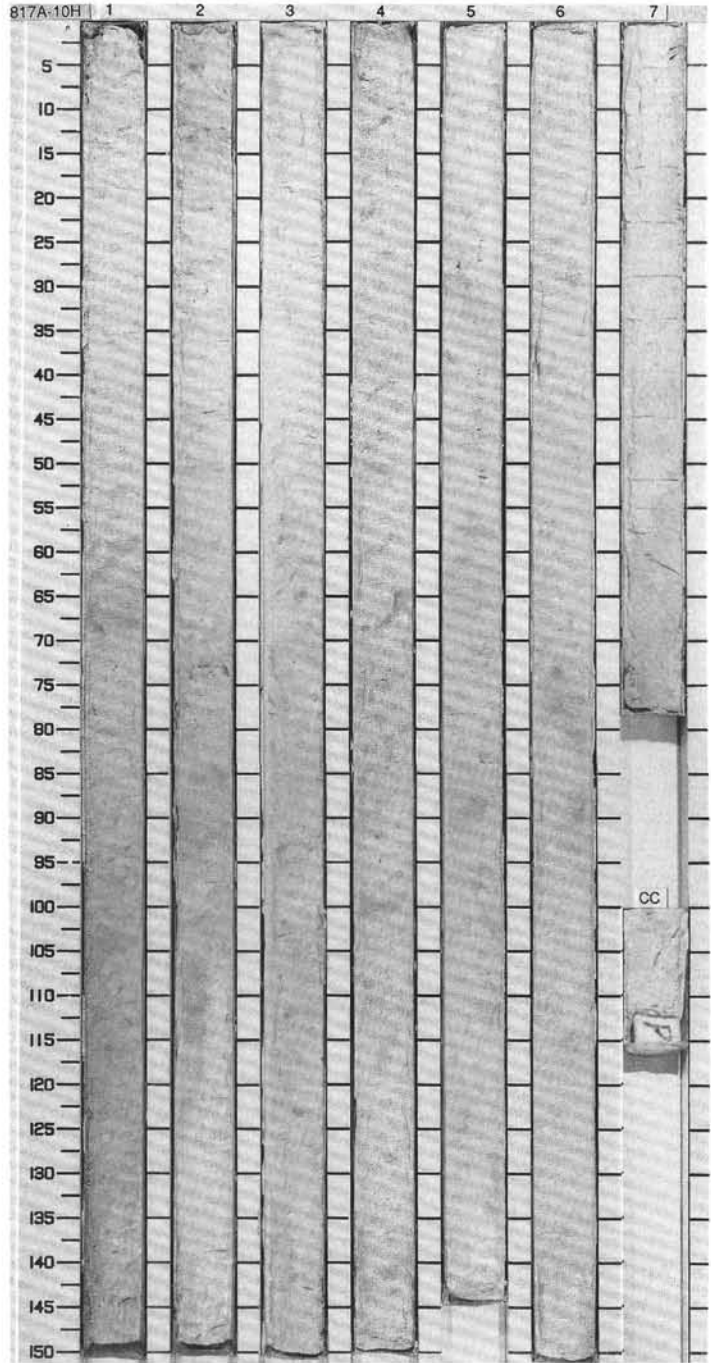
Sand	20	---	30
Silt	20	---	10
Clay	60	---	60

COMPOSITION:

Clay	10	10	10
Dolomite	---	1	---
Feldspar	---	2	---
Foraminifers	10	5	10
Lithoclast	---	---	12
Mica	5	2	2
Micrite	50	64	50
Nannofossils	20	10	10
Quartz	2	9	3
Rock fragment	---	9	2
Zircon	1	---	1

SITE 817 HOLE A CORE 10H CORED INTERVAL 81.7-91.2 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																																											
	uncertain polarity																																											
A/M	UPPER PLIOCENE			● 63.6% 1.72	● 63.6% 1.69	● 94.1%	1	0.5 1.0		*	MICRITIC CALCAREOUS OOZE over MICRITIC NANNOFOSSIL OOZE Major lithology: Very white (10YR 8/0), firm MICRITIC CALCAREOUS OOZE occurs in Section 1 through Section 4. MICRITIC NANNOFOSSIL OOZE was noted in Section 5 through Section 7. The color is very white (10YR 8/0) with light gray (10YR 7/1) mottles due to minor bioturbation. SMEAR SLIDE SUMMARY (%): <table style="margin-left: 40px;"> <tr> <td></td> <td>1, 73</td> <td>4, 74</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> </tr> </table> COMPOSITION: <table style="margin-left: 40px;"> <tr> <td>Bioclast</td> <td>---</td> <td>2</td> </tr> <tr> <td>Dolomite</td> <td>1</td> <td>Tr</td> </tr> <tr> <td>Feldspar</td> <td>---</td> <td>Tr</td> </tr> <tr> <td>Foraminifers</td> <td>10</td> <td>3</td> </tr> <tr> <td>Lithoclast</td> <td>10</td> <td>3</td> </tr> <tr> <td>Micrite</td> <td>58</td> <td>50</td> </tr> <tr> <td>Nannofossils</td> <td>15</td> <td>35</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>2</td> </tr> <tr> <td>Spicules</td> <td>3</td> <td>5</td> </tr> </table>		1, 73	4, 74	D	D	D	Bioclast	---	2	Dolomite	1	Tr	Feldspar	---	Tr	Foraminifers	10	3	Lithoclast	10	3	Micrite	58	50	Nannofossils	15	35	Quartz	3	2	Spicules	3	5
	1, 73	4, 74																																										
D	D	D																																										
Bioclast	---	2																																										
Dolomite	1	Tr																																										
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Micrite	58	50																																										
Nannofossils	15	35																																										
Quartz	3	2																																										
Spicules	3	5																																										
A/M	N22 - N23 CN12c			● 61.3% 1.71	● 61.3% 1.74	● 95.8%	2																																					
				● 62.6% 1.76	● 62.6% 1.69	● 91.5%	3																																					
				● 94.9%	● 95.8%	● 92.7%	4																																					
				● 60.5% 1.78	● 62.6% 1.76	● 95.6%	5																																					
				● 94.9%	● 95.6%	● 91.5%	6																																					
							7																																					
CC																																												



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 PIOCENE													
A/G	N22 - N23												
A/M	CN12b												
	uncertain polarity												
				58.4% ● 1.77	58.3% ● 1.84	95.7% ●	1	0.5					
				60.2% ● 1.78	61.1% ● 1.77	96.5% ●	2	1.0					
				61.5% ● 1.82	61.1% ● 1.77	96.5% ●	3						
				61.5% ● 1.82	61.1% ● 1.77	96.5% ●	4						
				61.5% ● 1.82	61.1% ● 1.77	96.5% ●	5						
				61.5% ● 1.78	61.1% ● 1.77	94.7% ●	6						
				61.5% ● 1.78	61.1% ● 1.77	94.7% ●	7						
CC													

MICRITIC CALCAREOUS OOZE with LITHOCLASTS to MICRITIC CALCAREOUS OOZE with FORAMINIFERS and LITHOCLASTS

Major lithology: This core contains white (10YR 8/1) MICRITIC OOZE with LITHOCLASTS in Section 1, white (10YR 8/1) MICRITIC CALCAREOUS OOZE with LITHOCLASTS in Section 2 through Section 5, and white (10YR 8/1) MICRITIC CALCAREOUS OOZE with FORAMINIFERS and LITHOCLASTS in Section 6 and Section 7. Downhole contamination occurs in Section 1, 0-70 cm. Minor bioturbation burrows are light gray (7.5YR 7/1). Slumps were noted in Section 2, 85 cm, and in Section 5, at 20 and 110 cm.

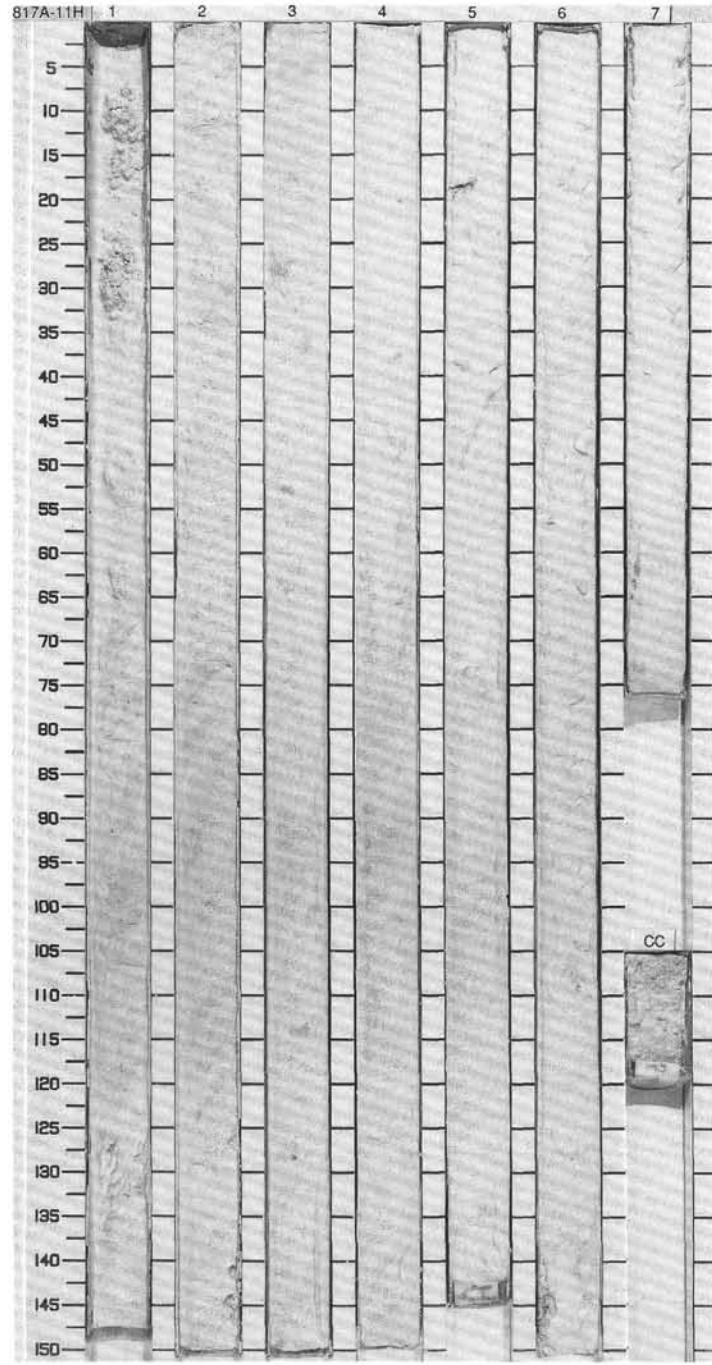
Minor lithology: White (10YR 8/1) to light gray (10YR 7/1) LITHOCLASTIC FORAMINIFER MICRITIC NANNOFOSSIL OOZE occurs in the core catcher.

SMEAR SLIDE SUMMARY (%):

	2, 101	CC, 7
	D	D

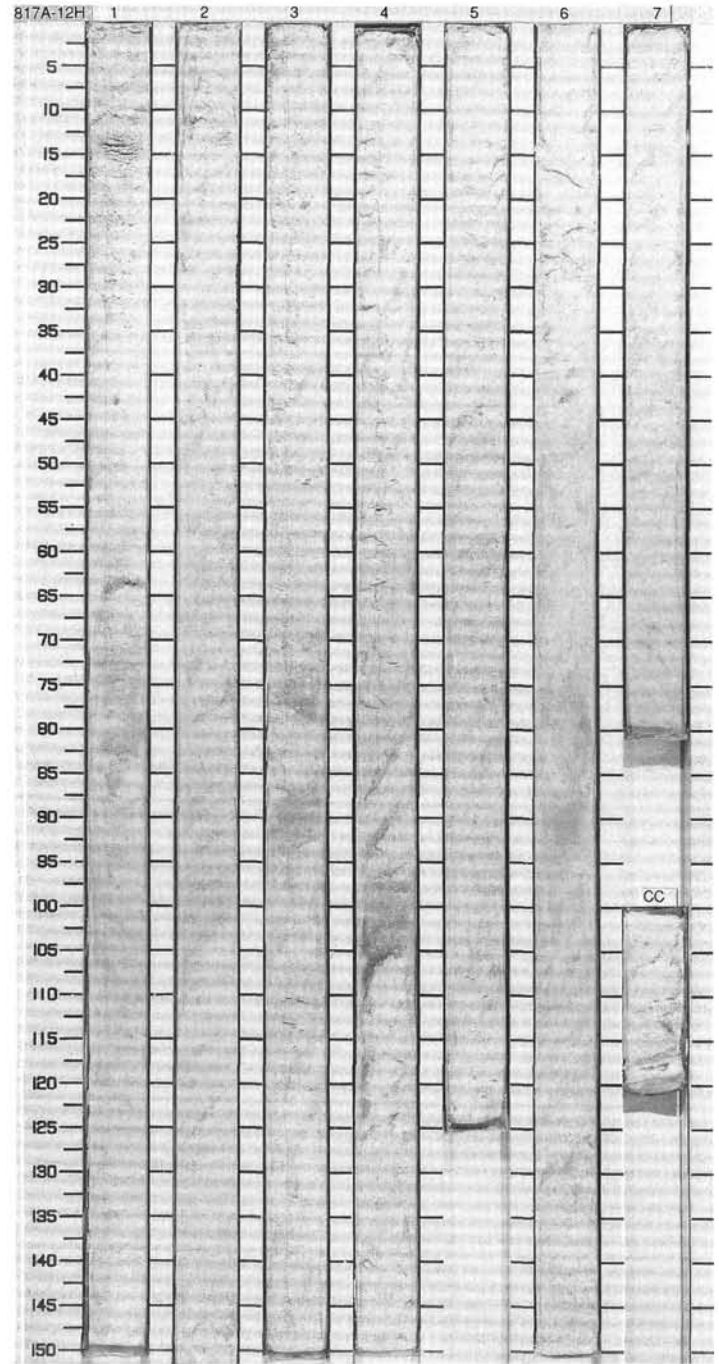
* COMPOSITION:

Bioclast	5	5
Dolomite	Tr	Tr
Feldspar	---	1
Foraminifers	20	20
Lithoclast	20	5
Micrite	25	29
Nannofossils	20	35
Quartz	1	2
Spicules	4	3

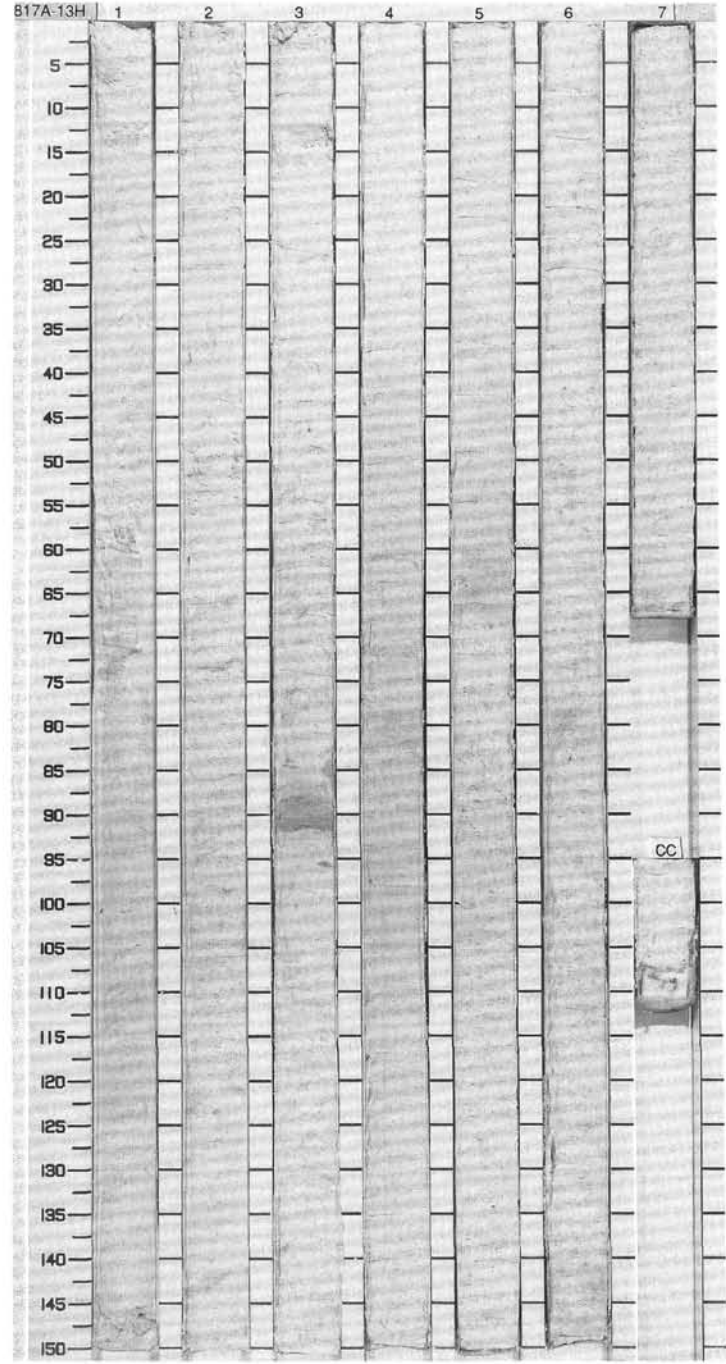


SITE 817 HOLE A CORE 12H CORED INTERVAL 100.7-110.2 mbsf

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 PLIOCENE																																																																					
A/M	N21			uncertain polarity									<p>MICRITIC OOZE with LITHOCLASTS and FORAMINIFERS to MICRITIC OOZE</p> <p>Major lithology: This core contains white (10YR 8/1) MICRITIC OOZE with LITHOCLASTS and FORAMINIFERS and white (10YR 8/1) MICRITIC OOZE, light gray (10YR 7/1)mm-thick lamination. Slump folds occur in Section 2, Section 3, and Section 4.</p> <p>Minor lithology: Turbidites appear as FORAMINIFER OOZE with LITHOCLASTS represent turbidites with a matrix of MICRITIC CALCAREOUS OOZE with NANNOFOSSILS in Section 1, 71-83 cm, and in Section 3, 77-82 cm and 92-98 cm, and in Section 4, 94-104 cm. MICRITIC NANNOFOSSIL OOZE occurs in Section 3, 97-110 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 77</td> <td>3, 120</td> <td>4, 104</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>---</td> <td>---</td> <td>30</td> </tr> <tr> <td>Silt</td> <td>---</td> <td>---</td> <td>70</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Bioclast</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>Collophane</td> <td>Tr</td> <td>---</td> <td>---</td> </tr> <tr> <td>Dolomite</td> <td>2</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Feldspar</td> <td>---</td> <td>---</td> <td>Tr</td> </tr> <tr> <td>Foraminifers</td> <td>10</td> <td>5</td> <td>30</td> </tr> <tr> <td>Lithoclast</td> <td>15</td> <td>8</td> <td>5</td> </tr> <tr> <td>Micrite</td> <td>40</td> <td>34</td> <td>41</td> </tr> <tr> <td>Nannofossils</td> <td>20</td> <td>40</td> <td>15</td> </tr> <tr> <td>Quartz</td> <td>5</td> <td>5</td> <td>3</td> </tr> <tr> <td>Spicules</td> <td>5</td> <td>5</td> <td>3</td> </tr> </table>		1, 77	3, 120	4, 104		D	D	D	Sand	---	---	30	Silt	---	---	70	Bioclast	3	3	3	Collophane	Tr	---	---	Dolomite	2	Tr	Tr	Feldspar	---	---	Tr	Foraminifers	10	5	30	Lithoclast	15	8	5	Micrite	40	34	41	Nannofossils	20	40	15	Quartz	5	5	3	Spicules	5	5	3
	1, 77	3, 120	4, 104																																																																		
	D	D	D																																																																		
Sand	---	---	30																																																																		
Silt	---	---	70																																																																		
Bioclast	3	3	3																																																																		
Collophane	Tr	---	---																																																																		
Dolomite	2	Tr	Tr																																																																		
Feldspar	---	---	Tr																																																																		
Foraminifers	10	5	30																																																																		
Lithoclast	15	8	5																																																																		
Micrite	40	34	41																																																																		
Nannofossils	20	40	15																																																																		
Quartz	5	5	3																																																																		
Spicules	5	5	3																																																																		
				82.9%	17.7%	96.7%	1																																																														
				60.1%	39.9%	93.2%	2																																																														
				87.7%	12.3%	96.0%	3																																																														
				95%	5%	97.1%	4																																																														
				82.0%	18.0%	95.5%	5																																																														
				60.1%	39.9%	93.8%	6																																																														
							7																																																														
							CC																																																														

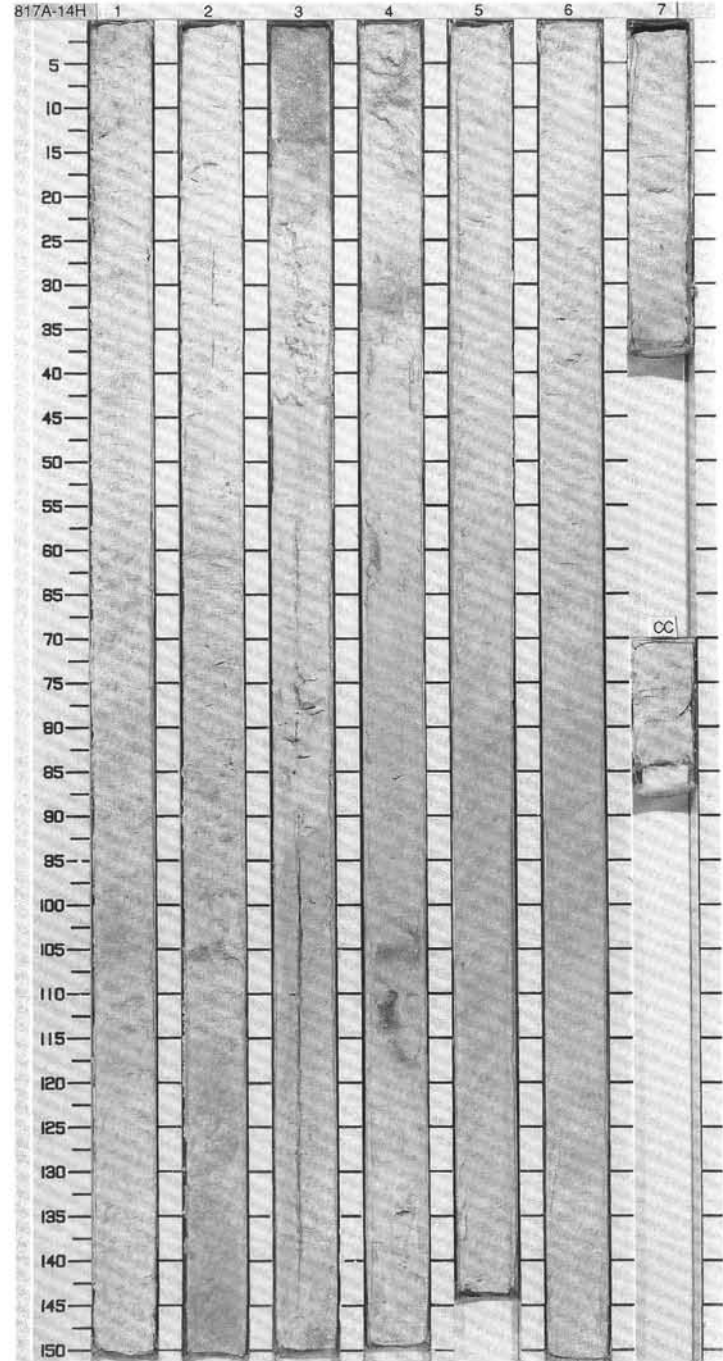


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHY. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS																																										
UPPER PLIOCENE																																													
A/M	N21				0.1-2% ● 0.17%		1	0.5					<p>MICRITIC NANNOFOSSIL OOZE with FORAMINIFERS to MICRITIC OOZE with NANNOFOSSILS, FORAMINIFERS and BIOCLASTS interbedded with FORAMINIFER OOZE</p> <p>Major lithology: This core contains white (10YR 8/1) MICRITIC NANNOFOSSIL OOZE with FORAMINIFERS with thin, slightly green layers. Mottling due to bioturbation appears light blue gray (5B 7/1) in Section 2 and Section 3. MICRITIC OOZE with NANNOFOSSILS, FORAMINIFERS and BIOCLASTS occurs in Section 5, Section 6 and Section 7. Slightly greenish gray (5Y 6/1) mottling due to bioturbation occurs throughout these sections.</p> <p>Minor lithology: MICRITIC OOZE with FORAMINIFERS, NANNOFOSSILS and BIOCLASTS occurs in Section 3, between 65 and 90 cm. This possible turbidite has a sharp basal contact, the color is gray (5Y 6/1).</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1,100</td> <td>3,91</td> <td>5,100</td> </tr> <tr> <td></td> <td>D</td> <td>M</td> <td>D</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Bioclast</td> <td>5</td> <td>20</td> <td>13</td> </tr> <tr> <td>Foraminifers</td> <td>20</td> <td>25</td> <td>15</td> </tr> <tr> <td>Inorganic calcite</td> <td>5</td> <td>—</td> <td>8</td> </tr> <tr> <td>Micrite</td> <td>20</td> <td>30</td> <td>35</td> </tr> <tr> <td>Nannofossils</td> <td>45</td> <td>20</td> <td>20</td> </tr> <tr> <td>Spicules</td> <td>5</td> <td>5</td> <td>9</td> </tr> </table>		1,100	3,91	5,100		D	M	D	Bioclast	5	20	13	Foraminifers	20	25	15	Inorganic calcite	5	—	8	Micrite	20	30	35	Nannofossils	45	20	20	Spicules	5	5	9
	1,100	3,91	5,100																																										
	D	M	D																																										
Bioclast	5	20	13																																										
Foraminifers	20	25	15																																										
Inorganic calcite	5	—	8																																										
Micrite	20	30	35																																										
Nannofossils	45	20	20																																										
Spicules	5	5	9																																										
A/M	CN12a				59.8% ● 1.78% ● 94.0%		2	1.0																																					
					uncertain polarity 1.6-6% ● 0.75% ● 95.1%		3																																						
					59.8% ● 1.82% ● 92.8%		4																																						
					59.4% ● 1.74% ● 93.8%		5																																						
							6																																						
							7																																						

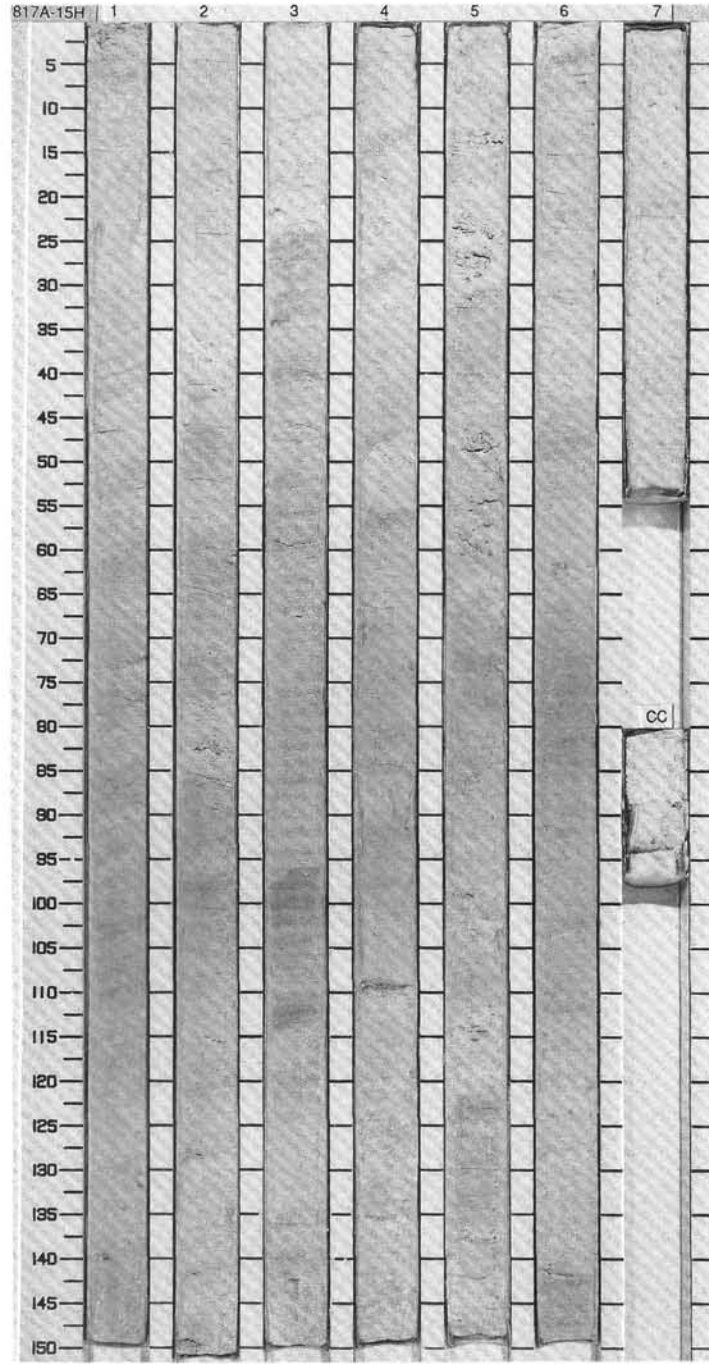


SITE 817 HOLE A CORE 14H CORED INTERVAL 119.7-129.2 mbsf

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 PLOIOCENE													
A/M	N21												
A/M	CN12a												
	uncertain polarity												
	59.0%	57.0%	59.9%	80.5%	59.9%		0.5						
	1.62	1.84	1.76	1.76	1.76		1.0						
	96.8%	97.3%	96.5%	93.3%	96.5%		2						
							3						
							4						
							5						
							6						
							7						
							CC						

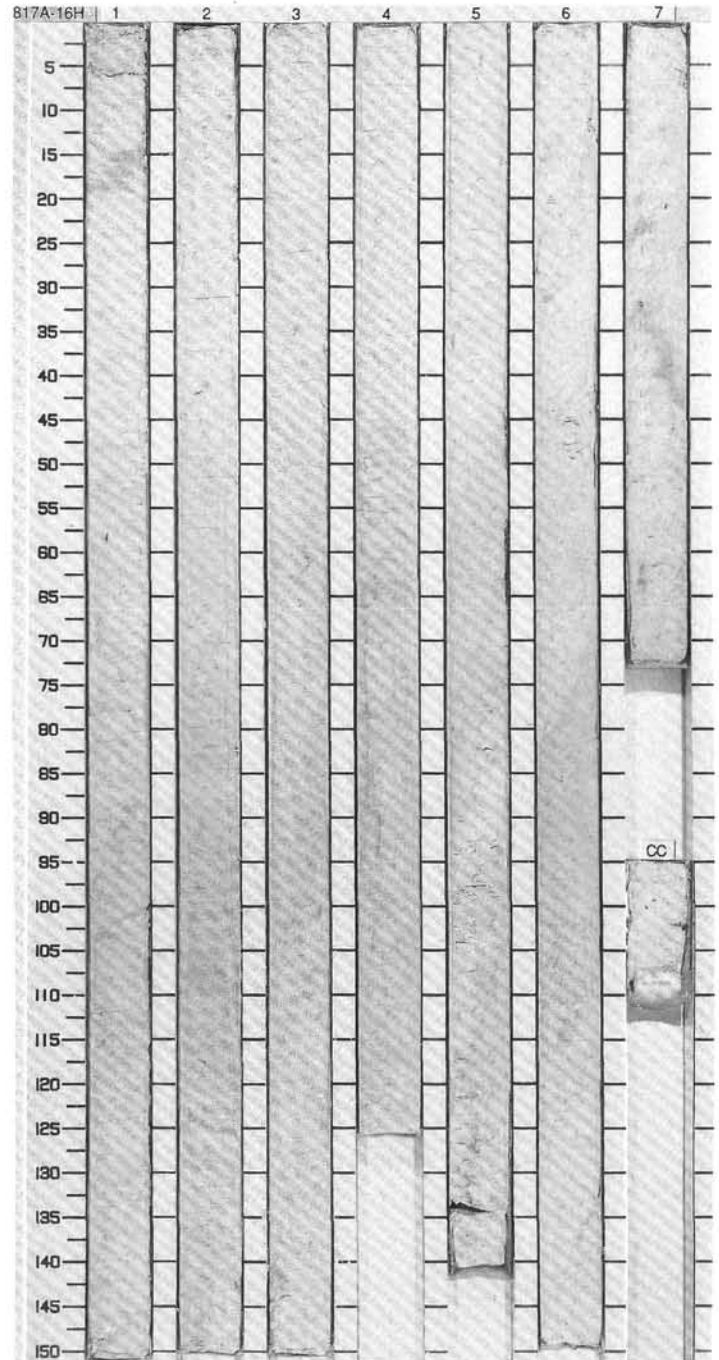


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																								
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS																																																		
UPPER PLIOCENE																																																					
A/G	N18 - N19				59.2% ● 5.7%		1	0.5					<p>MICRITIC FORAMINIFER NANNOFOSSIL OOZE to NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS</p> <p>Major lithology: This core contains MICRITIC FORAMINIFER NANNOFOSSIL OOZE, and NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS, both white (10YR 8/1). Very faint slightly darker layers, light gray (5Y 7/1), occur throughout and are enriched in foraminifers. Chalk layers occur in Section 1, at 35, 82, and 95 cm, in Section 3, at 45 and 55-60 cm, in Section 4, at 25 and 115 cm, in Section 5, at 15, 50, and 110 through 145 cm, and in Section 6, at 60 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 90</td> <td>5, 90</td> <td>7, 30</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>--</td> <td>30</td> <td>--</td> </tr> <tr> <td>Silt</td> <td>--</td> <td>70</td> <td>--</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Bioclast</td> <td>10</td> <td>10</td> <td>15</td> </tr> <tr> <td>Foraminifers</td> <td>25</td> <td>26</td> <td>20</td> </tr> <tr> <td>Inorganic calcite</td> <td>5</td> <td>5</td> <td>6</td> </tr> <tr> <td>Micrite</td> <td>25</td> <td>20</td> <td>10</td> </tr> <tr> <td>Nannofossils</td> <td>32</td> <td>35</td> <td>45</td> </tr> <tr> <td>Spicules</td> <td>3</td> <td>4</td> <td>4</td> </tr> </table>		1, 90	5, 90	7, 30		D	D	D	Sand	--	30	--	Silt	--	70	--	Bioclast	10	10	15	Foraminifers	25	26	20	Inorganic calcite	5	5	6	Micrite	25	20	10	Nannofossils	32	35	45	Spicules	3	4	4
	1, 90	5, 90	7, 30																																																		
	D	D	D																																																		
Sand	--	30	--																																																		
Silt	--	70	--																																																		
Bioclast	10	10	15																																																		
Foraminifers	25	26	20																																																		
Inorganic calcite	5	5	6																																																		
Micrite	25	20	10																																																		
Nannofossils	32	35	45																																																		
Spicules	3	4	4																																																		
A/M	CN12b				87.4% ● 8.1%		2	1.0																																													
					97.4% ● 7.4%		3																																														
					97.0% ● 8.1%		4																																														
					94.9% ● 7.8%		5																																														
					97.0% ● 8.7%		6																																														
							7																																														

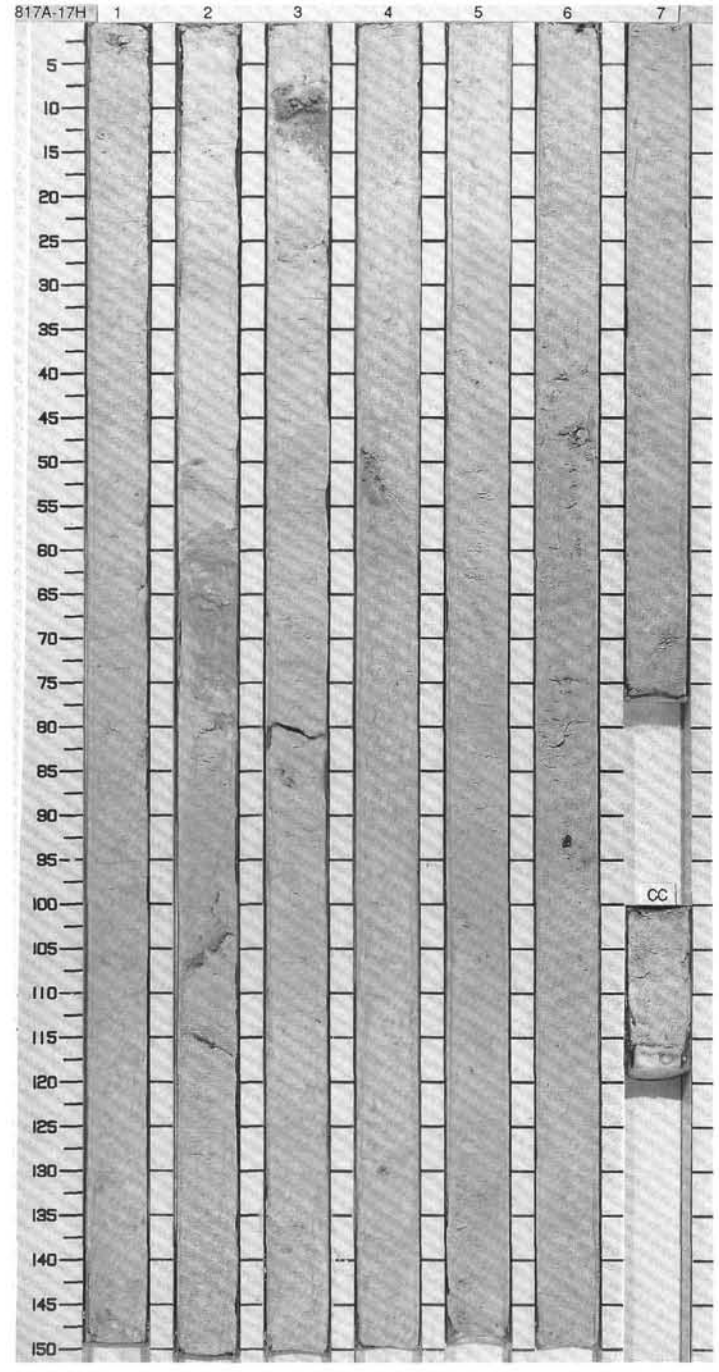


SITE 817 HOLE A CORE 16H CORED INTERVAL 138.7-148.2 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																								
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAZONS	PHYS. PROPERTIES																																		
UPPER PLIOCENE																																						
N18 - N19																																						
CN12a																																						
					uncertain polarity			0.5						<p>NANNOFOSSIL OOZE with FORAMINIFERS to NANNOFOSSIL OOZE with MICRITE and FORAMINIFERS</p> <p>Major lithology: NANNOFOSSIL OOZE with FORAMINIFERS, white (10YR 8/1), with greenish (10Y 7/1) and purplish (2.5Y 7/1) mottles, caused by bioturbation in Section 1, and in Section 6 and Section 7. NANNOFOSSIL OOZE with MICRITE and FORAMINIFERS shows also have light greenish gray (10Y 7/1) mottles.</p> <p>Minor lithology: Slumped sediments in Section 5. 85-140 cm contain dark-stained foraminifers in a FORAMINIFER NANNOFOSSIL OOZE. The background sediment is a white (2.5Y 8/1) NANNOFOSSIL OOZE with FORAMINIFERS.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table style="margin-left: 40px;"> <tr> <td></td> <td>2.80</td> <td>6.80</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>COMPOSITION:</p> <table style="margin-left: 40px;"> <tr> <td>Bioclast</td> <td>15</td> <td>10</td> </tr> <tr> <td>Foraminifers</td> <td>17</td> <td>18</td> </tr> <tr> <td>Inorganic calcite</td> <td>6</td> <td>6</td> </tr> <tr> <td>Micrite</td> <td>20</td> <td>10</td> </tr> <tr> <td>Nannofossils</td> <td>37</td> <td>49</td> </tr> <tr> <td>Spicules</td> <td>5</td> <td>7</td> </tr> </table>		2.80	6.80	D	D	D	Bioclast	15	10	Foraminifers	17	18	Inorganic calcite	6	6	Micrite	20	10	Nannofossils	37	49	Spicules	5	7
	2.80	6.80																																				
D	D	D																																				
Bioclast	15	10																																				
Foraminifers	17	18																																				
Inorganic calcite	6	6																																				
Micrite	20	10																																				
Nannofossils	37	49																																				
Spicules	5	7																																				
				98.8%	94.8%		1.0																															
				97.1%	95.2%		2																															
				97.2%	95.2%		3																															
				96.0%	96.0%		4																															
				96.2%	95.0%		5																															
				94.7%	95.0%		6																															
				96.3%	92.5%		7																															
A/G				98.8%																																		
A/M				97.1%																																		
				97.2%																																		
				96.0%																																		
				96.2%																																		
				94.7%																																		
				96.3%																																		



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										
LOWER PLOCIENE														
A/G	N18 - N19													
A/M	CN11b													
					uncertain polarity									
					55.4% ● 1.90	94.0% ● 94.0%		0.5 1						
					55.4% ● 1.82	94.6% ● 94.6%		2						
					56.7% ● 1.80	94.9% ● 94.9%		3						
					58.1% ● 1.78	92.8% ● 92.8%		4						
					56.0% ● 1.79	93.1% ● 93.1%		5						
					59.8% ● 1.77	94.8% ● 94.8%		6						
								7						
								CC						



NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: NANNOFOSSIL OOZE with FORAMINIFERS, white (10YR 8/1) colored, with light gray (5Y 7/2) to gray (5Y 6/1) mottling due to bioturbation.

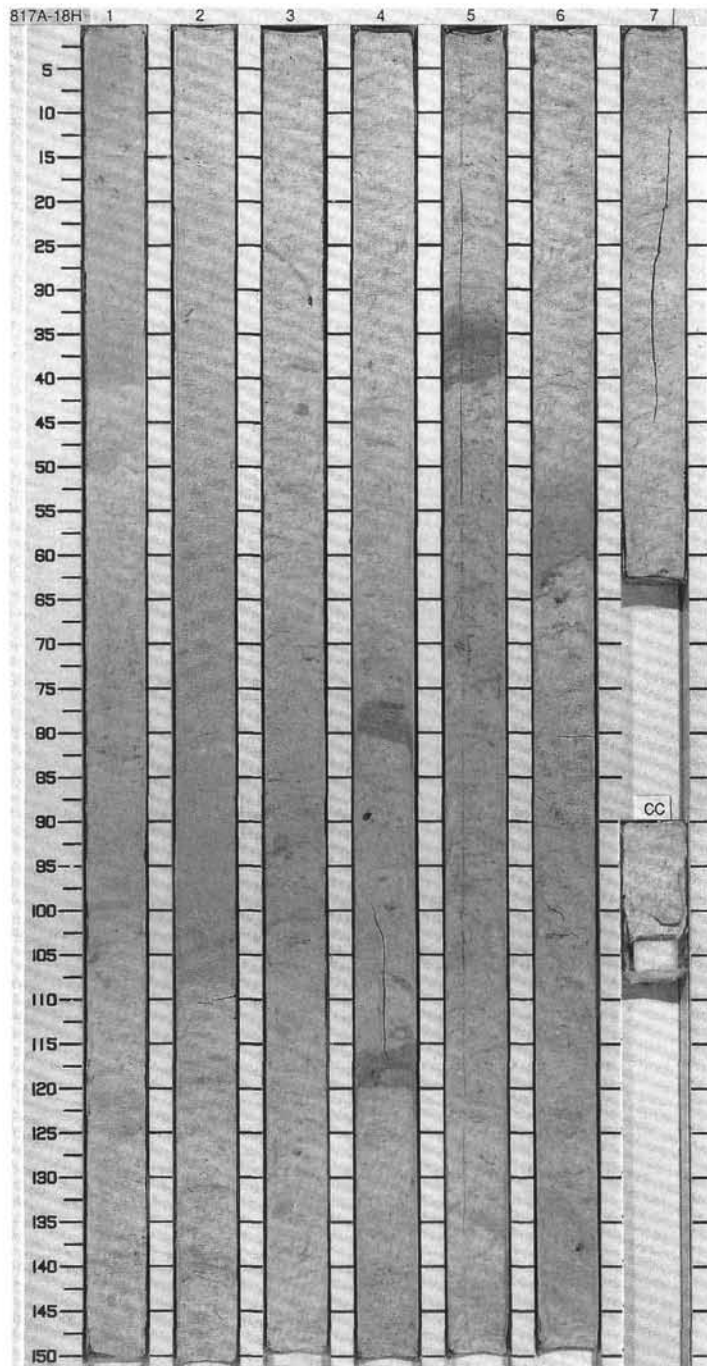
Minor lithology: FORAMINIFER OOZE (sands) represent turbidites with a sharp bases, light gray (5Y 7/1) with darker grains, occurs in Section 2, 50-75 cm, and 105 to 115 cm, in Section 3, 10 to 20 cm. Pyrite-filled foraminifers occur in Section 4, 45 to 50 cm, within light gray (5Y 7/2) nannofossil ooze with foraminifers. Small pieces of CHALK occur in Section 6, at 45, 75, and 95 cm, and in Section 7, 70 cm.

SMEAR SLIDE SUMMARY (%):

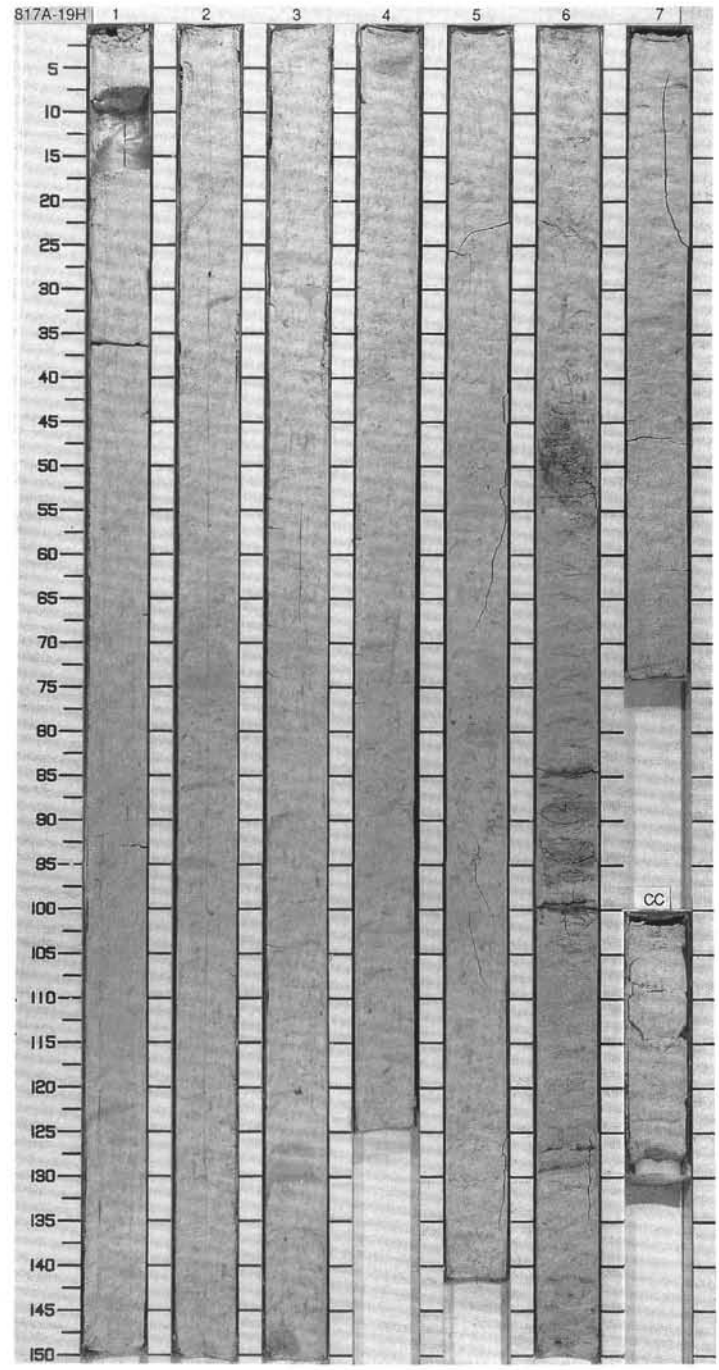
	CF	3, 11	3, 100	6, 32	6, 96
	M	D	D	M	M
TEXTURE:					
Sand	---	21	23	---	---
Silt	---	79	77	---	---
COMPOSITION:					
□ Bioclast	5	8	10	5	---
Foraminifers	94	18	16	---	---
Inorganic calcite	---	4	4	28	---
Micrite	---	13	10	5	---
Nannofossils	---	51	54	27	---
Pteropod	1	---	---	---	---
Pyrite	---	---	---	35	---
Spicules	---	6	6	---	---

SITE 817 HOLE A CORE 18H CORED INTERVAL 157.7-167.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																								
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAZONS	PHYS. PROPERTIES								CHEMISTRY																																							
LOWER PLIOCENE																																																			
A/G	N18 - N19				● 54.8%						<p>NANNOFOSSIL OOZE with FORAMINIFERS and MICRITE</p> <p>Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS and MICRITE, white (5Y 8/1 in Section 1, 0-40 cm, 10YR 8/1 in the other Sections). Minor bioturbation throughout this core is shown by greenish brown (5Y 7/2) mottles.</p> <p>Minor lithology: NANNOFOSSIL OOZE with FORAMINIFERS, MICRITE and CLAY, light olive-gray (5Y 6/2) occurs in Section 4, 115-120 cm, Section 5, 30-40 cm, and 130-135 cm, and in Section 6, 50 to 65 cm. This ooze also fills burrows.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 20</td> <td>2, 80</td> <td>6, 53</td> </tr> <tr> <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>---</td> <td>---</td> <td>18</td> </tr> <tr> <td>Silt</td> <td>---</td> <td>---</td> <td>82</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Bioclast</td> <td>5</td> <td>10</td> <td>7</td> </tr> <tr> <td>Foraminifers</td> <td>15</td> <td>16</td> <td>16</td> </tr> <tr> <td>Inorganic calcite</td> <td>6</td> <td>8</td> <td>7</td> </tr> <tr> <td>Micrite</td> <td>14</td> <td>12</td> <td>10</td> </tr> <tr> <td>Nannofossils</td> <td>53</td> <td>48</td> <td>55</td> </tr> <tr> <td>Spicules</td> <td>7</td> <td>6</td> <td>5</td> </tr> </table>		1, 20	2, 80	6, 53	D	D	D	D	Sand	---	---	18	Silt	---	---	82	Bioclast	5	10	7	Foraminifers	15	16	16	Inorganic calcite	6	8	7	Micrite	14	12	10	Nannofossils	53	48	55	Spicules	7	6	5
	1, 20	2, 80	6, 53																																																
D	D	D	D																																																
Sand	---	---	18																																																
Silt	---	---	82																																																
Bioclast	5	10	7																																																
Foraminifers	15	16	16																																																
Inorganic calcite	6	8	7																																																
Micrite	14	12	10																																																
Nannofossils	53	48	55																																																
Spicules	7	6	5																																																
A/M	CN10c			● 93.8%																																															
				● 58.7%																																															
				● 1.7%																																															
				● 95.6%																																															
				● 91.8%																																															
				● 90.2%																																															
				● 87.6%																																															
				● 89.9%																																															
				● 81.4%																																															
				● 36.1%																																															
				● 1.2%																																															
				● 93.6%																																															
				● 55.8%																																															
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				● 35.0%																																															
				● 32.8%																																															
				● 30.6%																																															
				● 28.4%																																															
				● 26.2%																																															
				● 24.0%																																															
				● 21.8%																																															
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				● 8.6%																																															
				● 6.4%																																															
				● 4.2%																																															
				● 2.0%																																															
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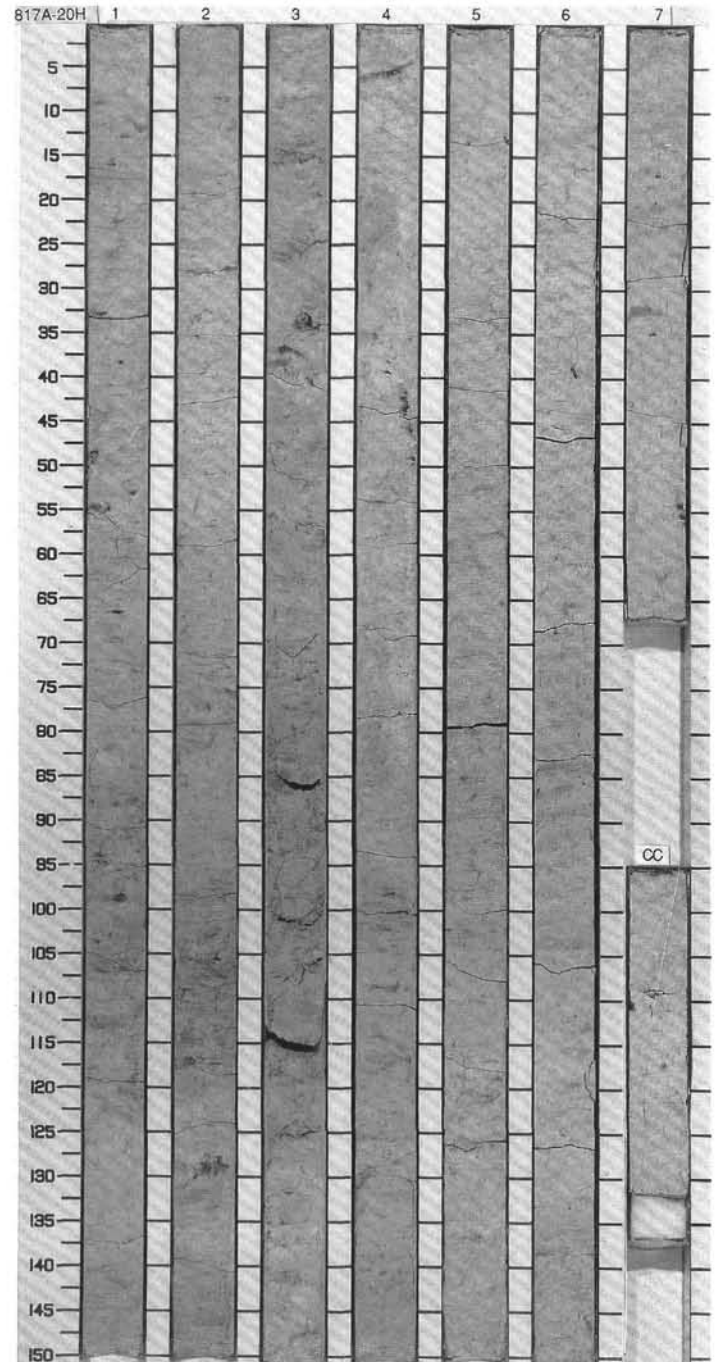


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																										
LOWER PLIOCENE														<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS, white (10YR 8/1), with light olive gray (5Y 6/2) mottling. CHALKY layers occur in Section 5, 85 to 95 cm, Section 6, 20-25 cm, 38-52 cm, 85-100 cm, and 140-145 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2.74</td> <td>2.101</td> <td>6.100</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Bioclast</td> <td>4</td> <td>5</td> <td>—</td> </tr> <tr> <td>Foraminifers</td> <td>16</td> <td>13</td> <td>85</td> </tr> <tr> <td>Inorganic calcite</td> <td>6</td> <td>4</td> <td>2</td> </tr> <tr> <td>Micrite</td> <td>3</td> <td>7</td> <td>3</td> </tr> <tr> <td>Nannofossils</td> <td>56</td> <td>65</td> <td>10</td> </tr> <tr> <td>Spicules</td> <td>5</td> <td>6</td> <td>—</td> </tr> </table>		2.74	2.101	6.100	D	D	D	D	Bioclast	4	5	—	Foraminifers	16	13	85	Inorganic calcite	6	4	2	Micrite	3	7	3	Nannofossils	56	65	10	Spicules	5	6	—
	2.74	2.101	6.100																																											
D	D	D	D																																											
Bioclast	4	5	—																																											
Foraminifers	16	13	85																																											
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Micrite	3	7	3																																											
Nannofossils	56	65	10																																											
Spicules	5	6	—																																											
A/G	N18 - N19								0.5	VOID																																				
A/M	CN10C								1.0																																					
					uncertain polarity				1																																					
					58.9% ● 1.60	95.1% ● 95.1%			2																																					
					55.1% ● 1.75	94.0% ● 94.0%			3																																					
					55.6% ● 1.61	91.5% ● 91.5%			4																																					
					56.5% ● 1.82	93.1% ● 93.1%			5																																					
					54.7% ● 1.85	95.5% ● 95.5%			6																																					
									7																																					

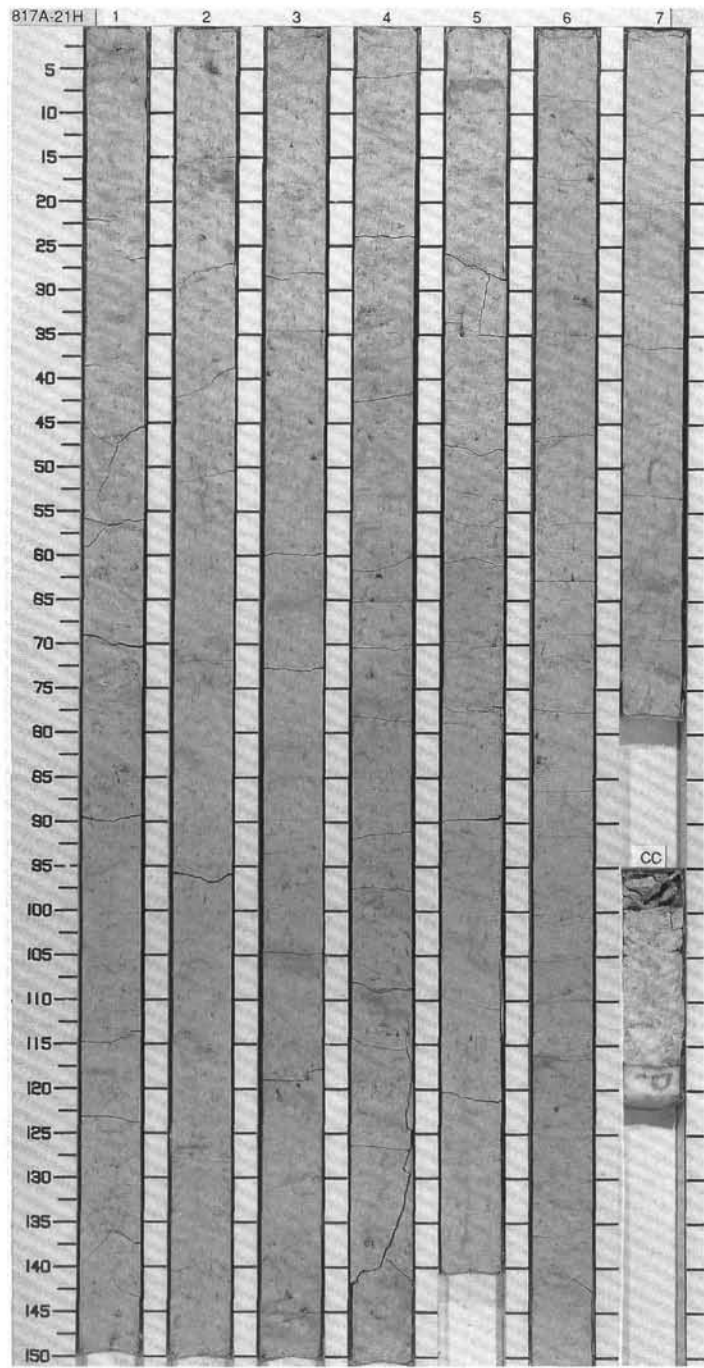


SITE 817 HOLE A CORE 20H CORED INTERVAL 176.7-186.2 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																														
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PHYS. PROPERTIES	CHEMISTRY																																						
UPPER MIOCENE					uncertain polarity		1	0.5					<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS, white (10YR 8/1). Highly bioturbated, with light olive gray (5Y 7/1) mottling and black pyritized spots (possibly monosulfide). Very firm with small CHALKY patches occurring in Section 1 (49-53, 65-68, 119-125 cm) and Section 3 (53-55, 64-67, 93-98, 99-113, and 199-125).</p> <p>Minor lithology: NANNOFOSSIL FORAMINIFER OOZE, light grey (5Y7/1) and highly bioturbated with greenish mottling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2, 80</td> <td>3, 80</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>18</td> <td>---</td> </tr> <tr> <td>Silt</td> <td>82</td> <td>---</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Bioclast</td> <td>3</td> <td>7</td> </tr> <tr> <td>Foraminifers</td> <td>18</td> <td>25</td> </tr> <tr> <td>Inorganic calcite</td> <td>6</td> <td>5</td> </tr> <tr> <td>Micrite</td> <td>3</td> <td>3</td> </tr> <tr> <td>Nannofossils</td> <td>64</td> <td>54</td> </tr> <tr> <td>Spicules</td> <td>6</td> <td>6</td> </tr> </table>		2, 80	3, 80	D	D	D	Sand	18	---	Silt	82	---	Bioclast	3	7	Foraminifers	18	25	Inorganic calcite	6	5	Micrite	3	3	Nannofossils	64	54	Spicules	6	6
	2, 80	3, 80																																									
D	D	D																																									
Sand	18	---																																									
Silt	82	---																																									
Bioclast	3	7																																									
Foraminifers	18	25																																									
Inorganic calcite	6	5																																									
Micrite	3	3																																									
Nannofossils	64	54																																									
Spicules	6	6																																									
A/G	N16 - N17				54.5% ● 1.81%	92.0%	1	1.0																																			
A/M	CN9b				54.6% ● 1.81%	91.2%	2	2.0																																			
					54.7% ● 1.81%	92.5%	3	3.0																																			
					54.8% ● 1.83%	89.7%	4	4.0																																			
					55.1% ● 1.83%	93.9%	5	5.0																																			
					58.3% ● 1.94%	80.3%	6	6.0																																			
							7	7.0																																			
							CC																																				

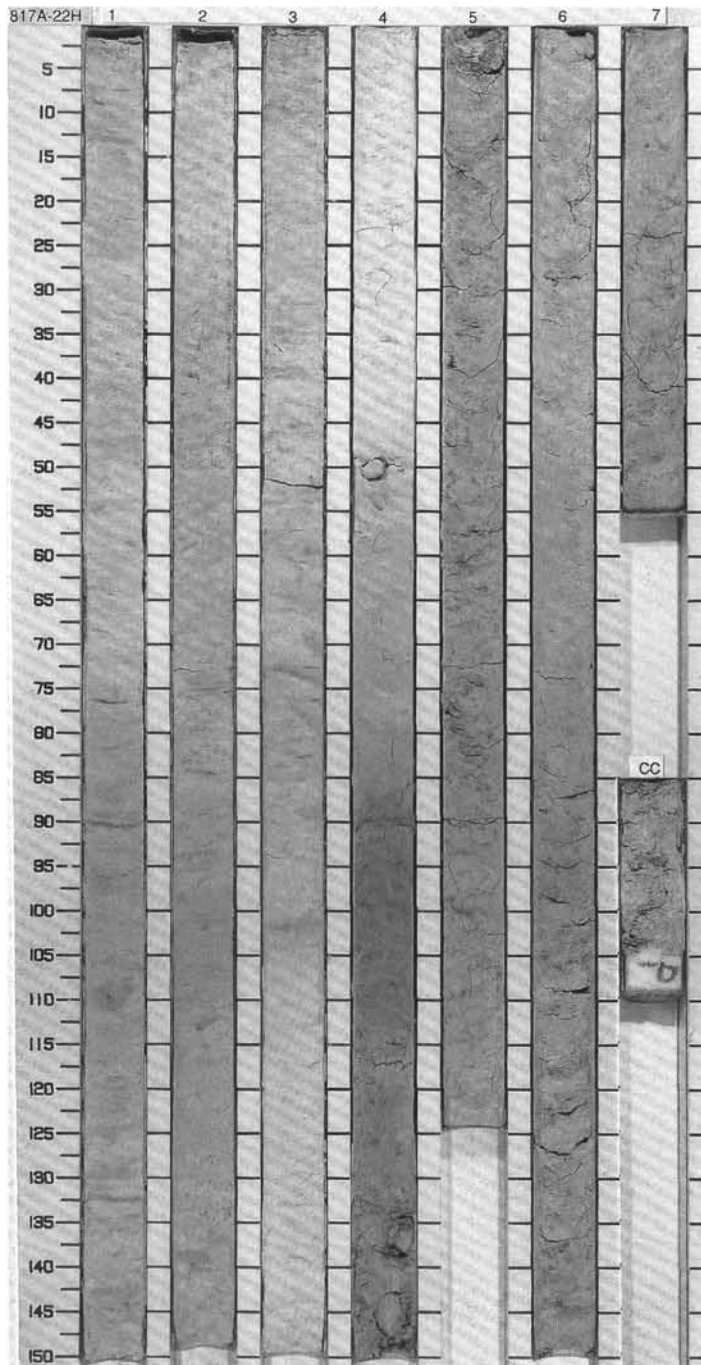


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																								
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS DIATOMS																																		
UPPER MIOCENE													<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: NANNOFOSSIL OOZE with FORAMINIFERS, homogeneous white (10YR 8/1) with light greenish gray (10Y 7/1) elongated mottles and dark gray (2.5Y 5/0) pyritized burrows (possibly monosulfides). The entire core is a consistent lithology, highly bioturbated and very firm to chalky (10-20%).</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>3.71</td> <td>7.14</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Bioclast</td> <td>3</td> <td>5</td> </tr> <tr> <td>Foraminifers</td> <td>17</td> <td>16</td> </tr> <tr> <td>Inorganic calcite</td> <td>8</td> <td>8</td> </tr> <tr> <td>Micrite</td> <td>2</td> <td>4</td> </tr> <tr> <td>Nannofossils</td> <td>64</td> <td>61</td> </tr> <tr> <td>Spicules</td> <td>6</td> <td>6</td> </tr> </table>		3.71	7.14	D	D	D	Bioclast	3	5	Foraminifers	17	16	Inorganic calcite	8	8	Micrite	2	4	Nannofossils	64	61	Spicules	6	6
	3.71	7.14																																			
D	D	D																																			
Bioclast	3	5																																			
Foraminifers	17	16																																			
Inorganic calcite	8	8																																			
Micrite	2	4																																			
Nannofossils	64	61																																			
Spicules	6	6																																			
A/G	N16 - N17				59.0% ● 1.94	90.0%	1	0.5																													
A/M	CN9b				53.3% ● 1.86	89.2%	2	1.0																													
	uncertain polarity				53.7% ● 1.87	82.1%	3																														
					57.0% ● 1.83	91.6%	4																														
					54.5% ● 1.95	88.8%	5																														
					54.7% ● 1.91	89.7%	6																														
							7																														
							CC																														



SITE 817 HOLE A CORE 22H CORED INTERVAL 195.7-205.2 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	DIAZONS										
UPPER MIOCENE														
A/M	N16 - N17													
C/P	?													
					uncertain polarity									
					53.9% 1.82	93.5%		1	0.5					
					50.9% 1.82	94.8%		2	1.0					
					53.0% 3.92	97.2%		3						
					55.3% 1.82	91.8%		4						
					53.1% 1.81	93.9%		5						
					54.9% 1.83	90.4%		6						
								7						
								CC						



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	DIAZOME										
MIDDLE MIOCENE														
C/P	N10 - N14													
A/P	?													
					uncertain polarity									
					51.0% ● 1.93	95.9%	1	0.5						
					57.5% ● 1.93	97.5%	2	1.0						
					50.5% ● 1.93	95.0%	3							
					51.0% ● 1.93	96.5%	4							
					51.0% ● 1.93	97.1%	5							
					50.0% ● 1.80	95.4%	6							
							7							
							CC							

NANNOFOSSIL CHALK with FORAMINIFERS

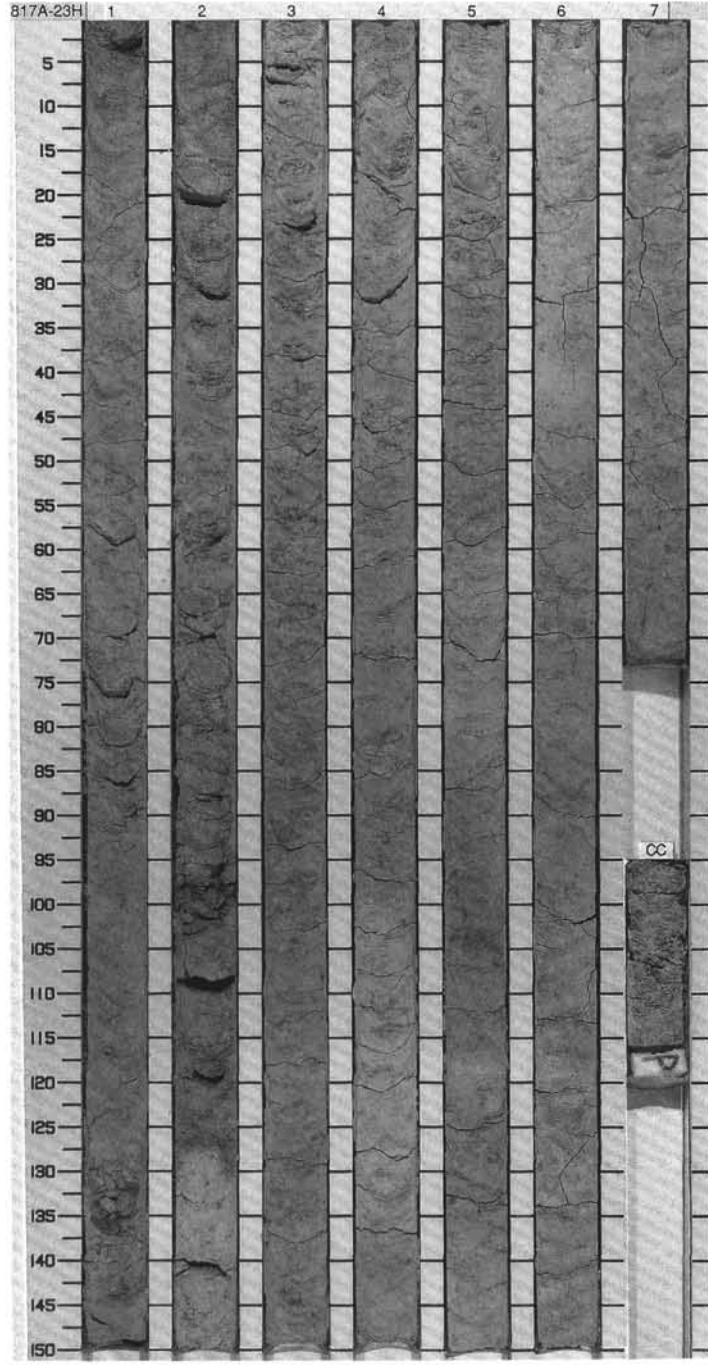
Major lithology: NANNOFOSSIL CHALK with FORAMINIFERS, light gray (5Y 7/1). Bioturbation evident in dark gray mottling of irregular to subspherical, subhorizontal to subvertical burrows.

Minor lithology: Possible interbeds of NANNOFOSSIL OOZE may be due to drilling disturbance (between incipient drilling biscuits). In Section 2 (130 cm), a thin laminae (1-2 mm) of grayish green (5G 6/2), NANNOFOSSIL OOZE overlies chalk.

SMEAR SLIDE SUMMARY (%):

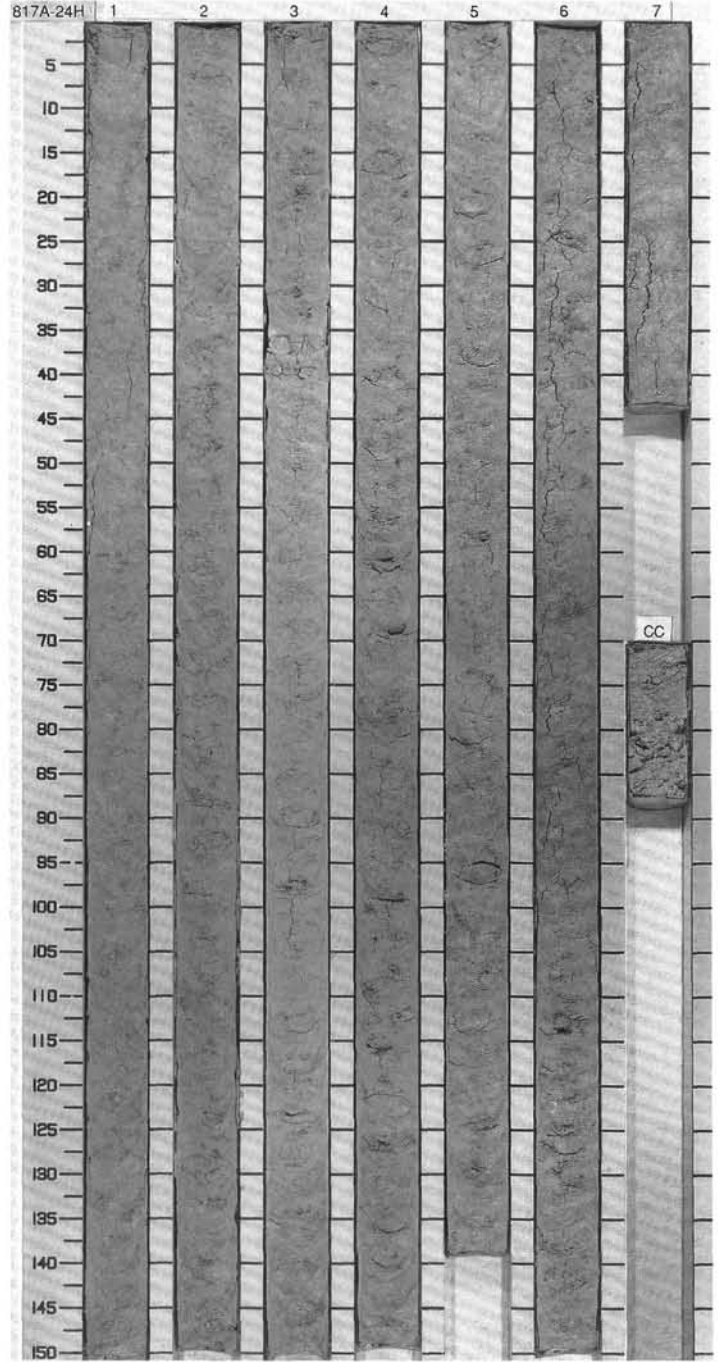
	1.60 D	2.111 D	2.130 M	4.67 D
Aragonite	---	---	---	5
Bioclast	3	---	10	5
Feldspar	---	Tr	---	---
Foraminifers	10	10	10	---
Inorganic calcite	40	40	40	40
Intraclasts	---	5	---	---
Micrite	10	---	---	---
Nannofossils	35	35	40	50
Quartz	---	3	---	---
Spicules	2	2	---	---

COMPOSITION:

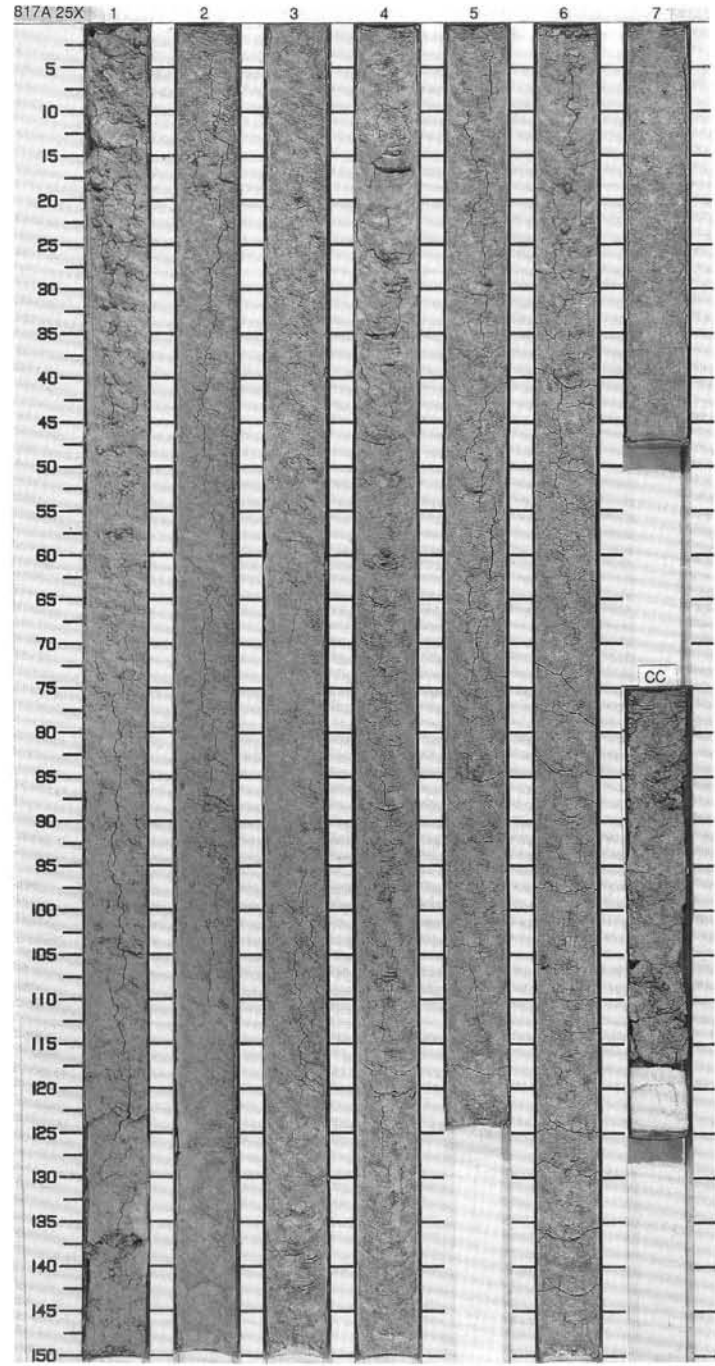


SITE 817 HOLE A CORE 24H CORED INTERVAL 214.7-224.4 mbsf

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																																
MIDDLE MIOCENE	N10 - N14												<p>NANNOFOSSIL CHALK</p> <p>Major lithology: Light gray bioturbated (10YR 7/1) NANNOFOSSIL CHALK with up to 40% detrital calcite.</p> <p>Minor lithology: White (10YR 8/0) MICRITIC CHALK with FORAMINIFERS and NANNOFOSSILS in section 3.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2.18</td> <td>3.78</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Bioclast</td> <td>3</td> <td>3</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>Tr</td> </tr> <tr> <td>Foraminifers</td> <td>10</td> <td>20</td> </tr> <tr> <td>Inorganic calcite</td> <td>38</td> <td>41</td> </tr> <tr> <td>Intraclasts</td> <td>5</td> <td>...</td> </tr> <tr> <td>Micrite</td> <td>5</td> <td>10</td> </tr> <tr> <td>Nannofossils</td> <td>30</td> <td>20</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>3</td> </tr> <tr> <td>Spicules</td> <td>3</td> <td>3</td> </tr> </table>		2.18	3.78	D	D	D	Bioclast	3	3	Feldspar	2	Tr	Foraminifers	10	20	Inorganic calcite	38	41	Intraclasts	5	...	Micrite	5	10	Nannofossils	30	20	Quartz	2	3	Spicules	3	3
	2.18	3.78																																												
D	D	D																																												
Bioclast	3	3																																												
Feldspar	2	Tr																																												
Foraminifers	10	20																																												
Inorganic calcite	38	41																																												
Intraclasts	5	...																																												
Micrite	5	10																																												
Nannofossils	30	20																																												
Quartz	2	3																																												
Spicules	3	3																																												
A/M	?			uncertain polarity	48.8% 1.81	95.4%	1																																							
A/P					53.0% 1.93	92.0%	2																																							
					49.9% 1.94	95.8%	3																																							
					50.7% 1.94	94.0%	4																																							
					48.7% 1.93	94.7%	5																																							
					49.1% 1.97	95.4%	6																																							
							7																																							
							CC																																							



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	DIAZONAS																																									
MIDDLE MIOCENE																																												
C/M	N10 - N14			● 50.5%	● 1.3%	● 96.5%	1	0.5		X			Light gray (5Y 7/1) NANNOFOSSIL CHALK with FORAMINIFERS and SPONGE SPICULES. Downhole contamination at top. Moderately disturbed by drilling. SMEAR SLIDE SUMMARY (%): <table style="margin-left: 20px;"> <tr><td>2.76</td><td>5.66</td></tr> <tr><td>D</td><td>D</td></tr> </table> COMPOSITION: <table style="margin-left: 20px;"> <tr><td>Aragonite</td><td>---</td><td>5</td></tr> <tr><td>Bioclast</td><td>5</td><td>---</td></tr> <tr><td>Feldspar</td><td>Tr</td><td>---</td></tr> <tr><td>Foraminifers</td><td>10</td><td>10</td></tr> <tr><td>Inorganic calcite</td><td>40</td><td>30</td></tr> <tr><td>Micrite</td><td>10</td><td>10</td></tr> <tr><td>Nannofossils</td><td>30</td><td>40</td></tr> <tr><td>Quartz</td><td>Tr</td><td>---</td></tr> <tr><td>Spicules</td><td>5</td><td>---</td></tr> </table>	2.76	5.66	D	D	Aragonite	---	5	Bioclast	5	---	Feldspar	Tr	---	Foraminifers	10	10	Inorganic calcite	40	30	Micrite	10	10	Nannofossils	30	40	Quartz	Tr	---	Spicules	5	---
2.76	5.66																																											
D	D																																											
Aragonite	---	5																																										
Bioclast	5	---																																										
Feldspar	Tr	---																																										
Foraminifers	10	10																																										
Inorganic calcite	40	30																																										
Micrite	10	10																																										
Nannofossils	30	40																																										
Quartz	Tr	---																																										
Spicules	5	---																																										
C/P	?			● 57.8%	● 1.3%	● 94.6%	2	1.0		X																																		
				● 95.6%			3																																					
				● 95.6%			4																																					
				● 49.7%	● 1.7%	● 95.5%	5																																					
							6																																					
							7																																					
							CC																																					



SITE 817 HOLE A CORE 26X CORED INTERVAL 234.0-243.7 mbsf

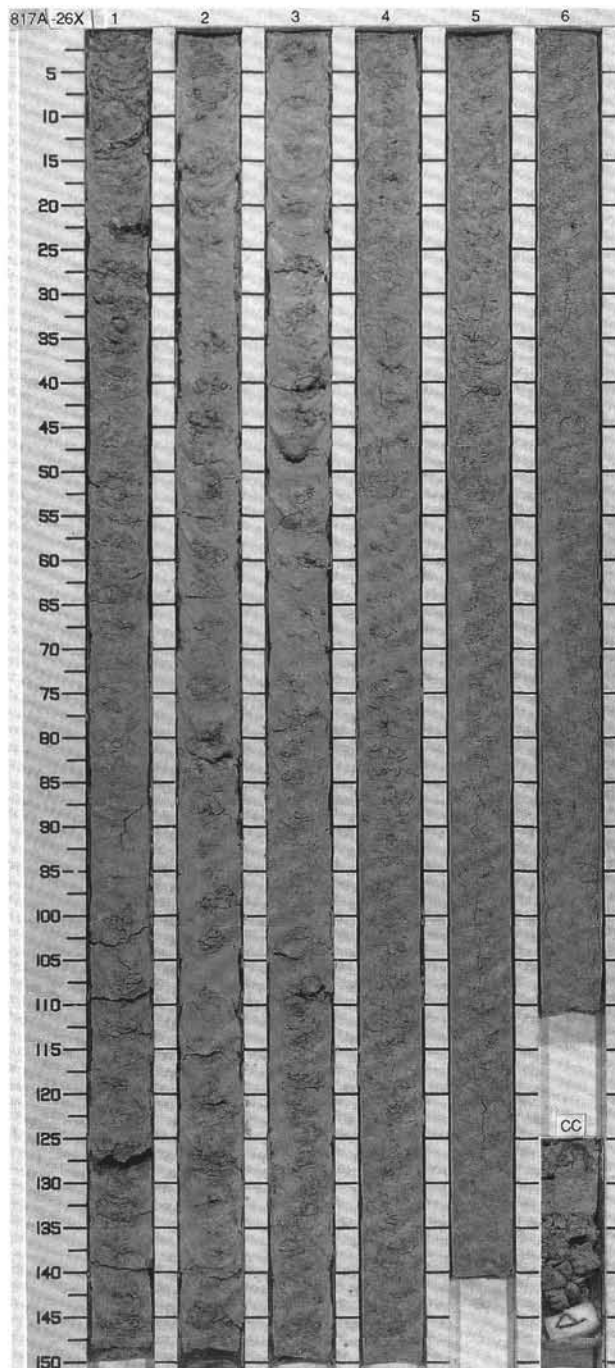
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS		SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAATOMS	PHYS. PROPERTIES	CHEMISTRY					
MIDDLE MIOCENE											
C/M	N10 - N14										
C/P	CN5										
					uncertain polarity						
					● 56.9% ● 1.82	● 94.0%	0.5				
					● 56.9% ● 1.82	● 92.7%	1.0				
					● 52.9% ● 1.90	● 94.0%	2				
					● 49.5% ● 1.95	● 95.1%	3				
					● 52.9% ● 1.90	● 94.0%	4				
					● 49.5% ● 1.95	● 95.1%	5				
					● 49.0% ● 1.83	● 95.0%	6				
CC											

Light gray (10YR 7/1) NANNOFOSSIL CHALK with FORAMINIFERS and SPONGE SPICULES.

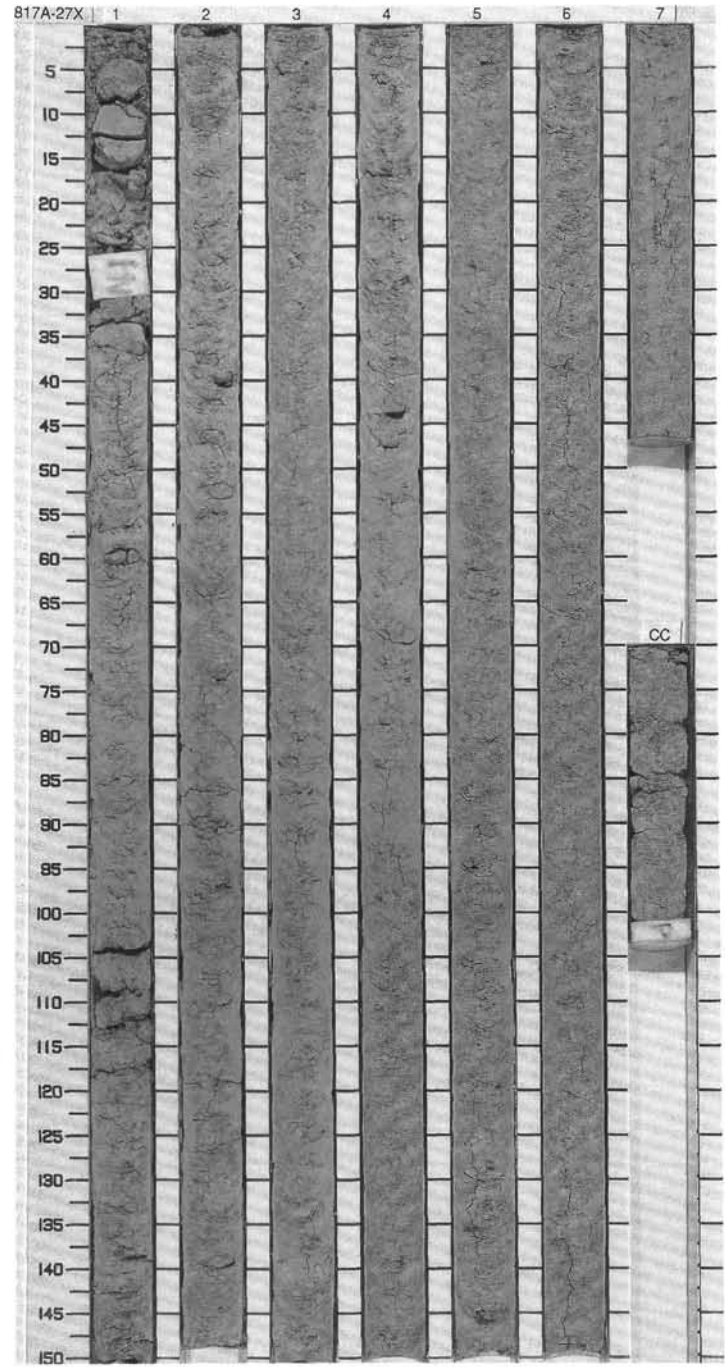
SMEAR SLIDE SUMMARY (%):
D 2.80

COMPOSITION:

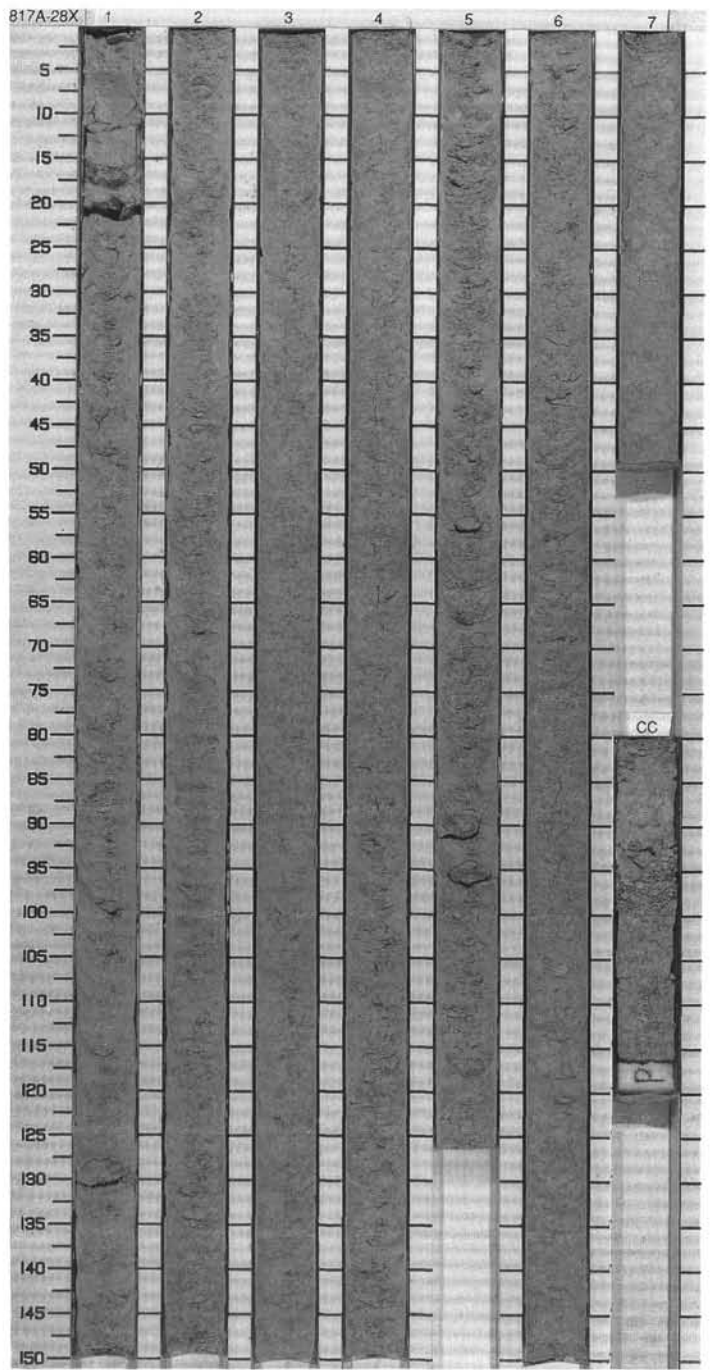
Bioclast	5
Feldspar	Tr
Foraminifers	10
Inorganic calcite	46
Micrite	10
Nannofossils	20
Quartz	2
Spicules	7



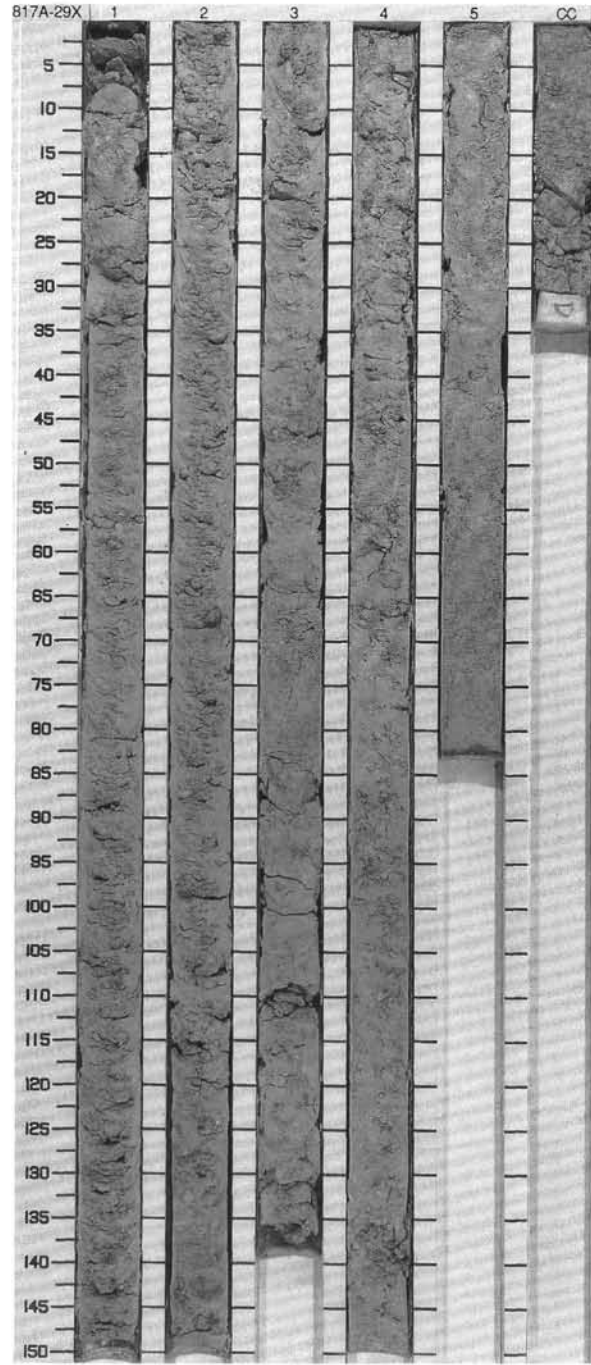
TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																			
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																															
MIDDLE MIOCENE														Light gray (5Y 7/1) MICRITIC CHALK with NANNOFOSSILS and SPONGE SPICULES. Moderately disturbed by drilling. SMEAR SLIDE SUMMARY (%): <table border="0"> <tr> <td></td> <td>1, 90</td> <td>3, 75</td> <td>6, 70</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td></td> </tr> </table> COMPOSITION: <table border="0"> <tr> <td>Bioclast</td> <td>---</td> <td>---</td> <td>5</td> </tr> <tr> <td>Foraminifers</td> <td>---</td> <td>5</td> <td>5</td> </tr> <tr> <td>Inorganic calcite</td> <td>40</td> <td>60</td> <td>60</td> </tr> <tr> <td>Micrite</td> <td>25</td> <td>10</td> <td>10</td> </tr> <tr> <td>Nannofossils</td> <td>20</td> <td>15</td> <td>15</td> </tr> <tr> <td>Quartz</td> <td>---</td> <td>---</td> <td>Tr</td> </tr> <tr> <td>Spicules</td> <td>15</td> <td>10</td> <td>5</td> </tr> </table>		1, 90	3, 75	6, 70	D	D	D		Bioclast	---	---	5	Foraminifers	---	5	5	Inorganic calcite	40	60	60	Micrite	25	10	10	Nannofossils	20	15	15	Quartz	---	---	Tr	Spicules	15	10	5
	1, 90	3, 75	6, 70																																															
D	D	D																																																
Bioclast	---	---	5																																															
Foraminifers	---	5	5																																															
Inorganic calcite	40	60	60																																															
Micrite	25	10	10																																															
Nannofossils	20	15	15																																															
Quartz	---	---	Tr																																															
Spicules	15	10	5																																															
C/M						52.1% ● 1.88	94.3%	1	0.5																																									
C/P						51.7% ● 1.89	94.2%	2	1.0																																									
						53.0% ● 1.93	93.9%	3																																										
						52.3% ● 1.85	93.6%	4																																										
						53.8% ● 1.98	93.7%	5																																										
						49.9% ● 1.93	93.4%	6																																										
								7																																										
								CC																																										



TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS		PHYS. PROPERTIES		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
C/M	C/P	FORAMINIFERS	NANNOFOSSILS	RADIODIARIANS	DIATOMS	FORAMINIFERS	NANNOFOSSILS	PHYS. PROPERTIES	CHEMISTRY							
MIDDLE MIOCENE		?				uncertain polarity		● 52.9%		1	0.5	[Lithology: light gray calcareous chalk with lithoclasts, foraminifers, and sponge spicules]			Light gray (5Y 7/1) CALCAREOUS CHALK with LITHOCLASTS, FORAMINIFERS and SPONGE SPICULES. Moderately disturbed by drilling.	
						● 48.9%	● 94.4%									
						● 51.4%	● 93.2%			2	1.0	[Lithology: light gray calcareous chalk with lithoclasts, foraminifers, and sponge spicules]			SMEAR SLIDE SUMMARY (%): D 1.98 D 4.92 D 7.37	
						● 50.8%	● 94.5%									
						● 59.1%	● 95.0%			3	1.5	[Lithology: light gray calcareous chalk with lithoclasts, foraminifers, and sponge spicules]			* TEXTURE: Sand 15 40 42 Silt 85 50 38 Clay -- 10 20	
						● 50.8%	● 95.1%									
						● 47.3%	● 95.1%			4	2.0	[Lithology: light gray calcareous chalk with lithoclasts, foraminifers, and sponge spicules]			COMPOSITION: Foraminifers 10 15 20 Inorganic calcite 80 50 33 Lithoclast 2 10 -- Micrite -- 10 20 Nannofossils 5 -- 5 Quartz -- -- 2 Spicules 3 15 20	
						● 59.1%	● 95.1%									
						● 59.1%	● 95.1%			5	2.5	[Lithology: light gray calcareous chalk with lithoclasts, foraminifers, and sponge spicules]			* * * * *	
						● 59.1%	● 95.1%									
						● 59.1%	● 95.1%			6	3.0	[Lithology: light gray calcareous chalk with lithoclasts, foraminifers, and sponge spicules]			* * * * *	
						● 59.1%	● 95.1%									
						● 59.1%	● 95.1%			7	3.5	[Lithology: light gray calcareous chalk with lithoclasts, foraminifers, and sponge spicules]			* * * * *	
						● 59.1%	● 95.1%									
						● 59.1%	● 95.1%			CC	3.5	[Lithology: light gray calcareous chalk with lithoclasts, foraminifers, and sponge spicules]				



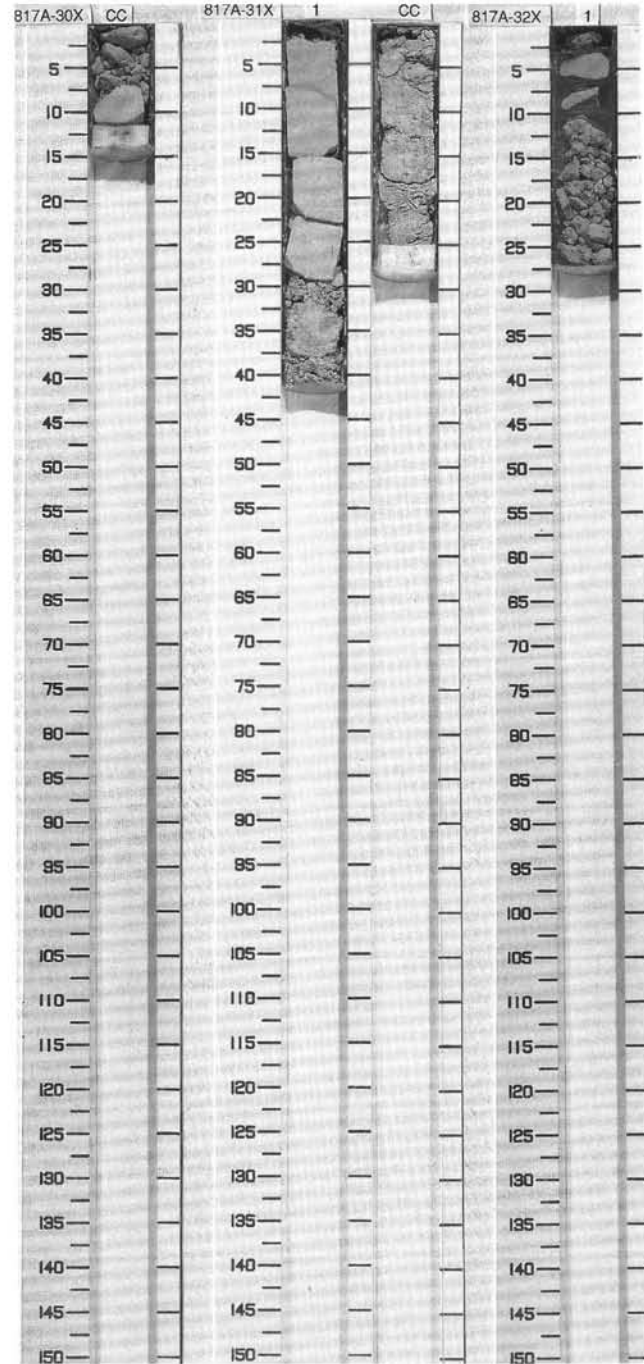
TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS		PHYS. PROPERTIES		CHEMISTRY		SECTION		METERS		GRAPHIC LITHOLOGY		DRILLING DISTURB.		SED. STRUCTURES		SAMPLES		LITHOLOGIC DESCRIPTION
R/P	C/P	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAATOMS	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MIDDLE MIOCENE	?	CN5				uncertain polarity	55.9% ● 1.87%	35.8% ● 94.0%	86.8% ● 95.0%	3.4% ● 95.2%													White (5Y 8/1) CALCAREOUS CHALK with NANNOFOSSILS, highly disturbed by drilling.	
																							SMEAR SLIDE SUMMARY (%): D 3.98 D 5.39	
																							COMPOSITION: Bioclast --- Tr Foraminifers 10 25 Inorganic calcite 50 60 Micaite 30 --- Nannofossils 10 15 Quartz --- Tr	



SITE 817 HOLE A CORE 30X CORED INTERVAL 272.7-282.3 mbsf	
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER
	FORAMINIFERS NANNOFOSSILS RADIOLARIANS DIATOMS
MIDDLE MIOCENE	R/P ?
	CN3 - CN5 C/P
	not measured
	96.8%
	CC
	SECTION METERS
	GRAPHIC LITHOLOGY
	DRILLING DISTURB. SED. STRUCTURES SAMPLES
	LITHOLOGIC DESCRIPTION
	White (5Y 8/1) CALCAREOUS CHALK.
	SMEAR SLIDE SUMMARY (%): CC, 5 D
	COMPOSITION: Bioclast 10 Dolomite 3 Foraminifers 20 Inorganic calcite 67

SITE 817 HOLE A CORE 31X CORED INTERVAL 282.3-292.0 mbsf	
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER
	FORAMINIFERS NANNOFOSSILS RADIOLARIANS DIATOMS
MIDDLE MIOCENE	R/P ?
	CN3 - CN5 C/P
	not measured
	92.5%
	CC
	SECTION METERS
	GRAPHIC LITHOLOGY
	DRILLING DISTURB. SED. STRUCTURES SAMPLES
	LITHOLOGIC DESCRIPTION
	Light gray (5Y 7/1) slightly burrowed CALCAREOUS CHALK with FORAMINIFERS and SPONGE SPICULES, highly disturbed by drilling.
	SMEAR SLIDE SUMMARY (%): CC, 16 D
	COMPOSITION: Foraminifers 20 Inorganic calcite 50 Nannofossils 10 Spicules 20

SITE 817 HOLE A CORE 32X CORED INTERVAL 292.0-301.6 mbsf	
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER
	FORAMINIFERS NANNOFOSSILS RADIOLARIANS DIATOMS
MIDDLE MIOCENE	R/P ?
	CN3 - CN5 C/P
	not measured
	93.1%
	CC
	SECTION METERS
	GRAPHIC LITHOLOGY
	DRILLING DISTURB. SED. STRUCTURES SAMPLES
	LITHOLOGIC DESCRIPTION
	White (5Y 8/1) CALCAREOUS CHALK.

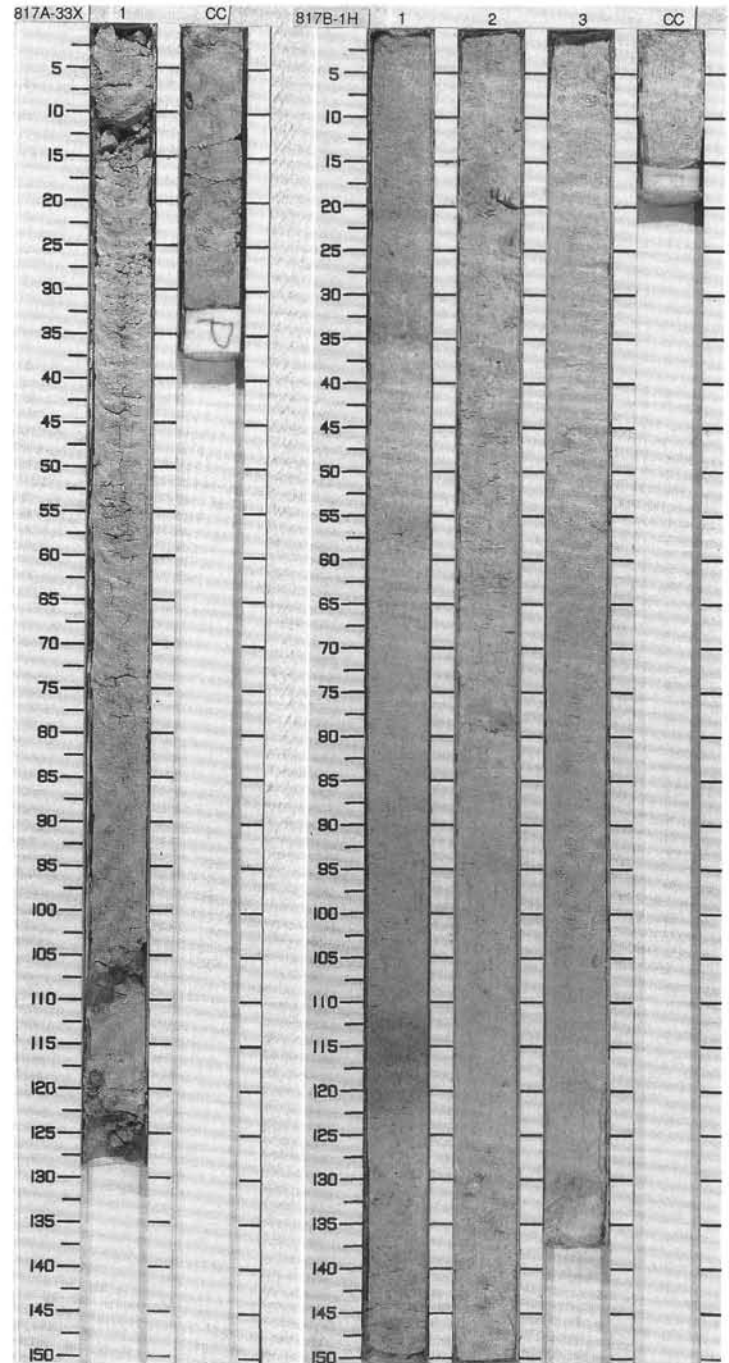


SITE 817 HOLE A CORE 33X CORED INTERVAL 301.6-311.3 mbsf

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										
MIDDLE MIOCENE	R/P	C/P	CN3 - CN5		not measured	● 21.0% ● 2.07	● 95.4%	1	0.5 1.0				*	White (5Y 8/1) CALCAREOUS CHALK with FORAMINIFERS and NANNOFOSSILS, disturbed by drilling. * SMEAR SLIDE SUMMARY (%): 1.58 D COMPOSITION: Foraminifers 20 Inorganic calcite 58 Nannofossils 15 Quartz 2 Spicules 5

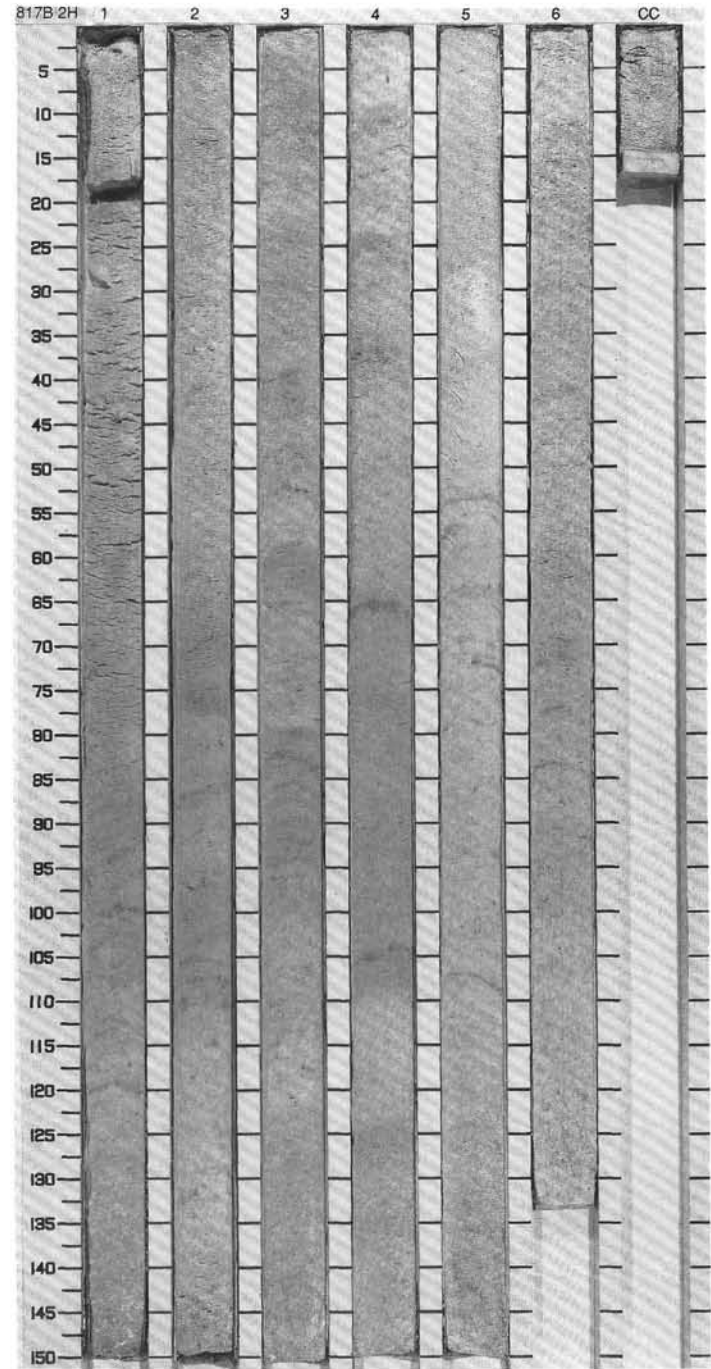
SITE 817 HOLE B CORE 1H CORED INTERVAL 0.0-4.5 mbsf

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										
					N	● 69.1% ● 1.08 ● 1.72	● 92.4%	1	0.5 1.0				*	FORAMINIFER NANNOFOSSIL OOZE with PTEROPODS Major lithology: White (8YR 8/1) FORAMINIFER NANNOFOSSIL OOZE with PTEROPODS occurs in this core. Minor bioturbation causes slightly greenish (5Y 8/1) mottles and layers throughout the core. * Minor lithology: BIOCLASTIC FORAMINIFER OOZE with PTEROPODS occurs in Section 2, 145-150 cm, and in Section 3, 0-5 cm. This is most likely a turbidite. SMEAR SLIDE SUMMARY (%): 1.81 D TEXTURE: Sand 40 Silt 60 COMPOSITION: Foraminifers 15 Lithoclast 20 Mica 1 Nannofossils 60 Quartz 2 Rock fragment 2
					N	● 69.8% ● 1.07	● 94.0%	2						
					?	● 84.5% ● 1.72	● 91.1%	3						

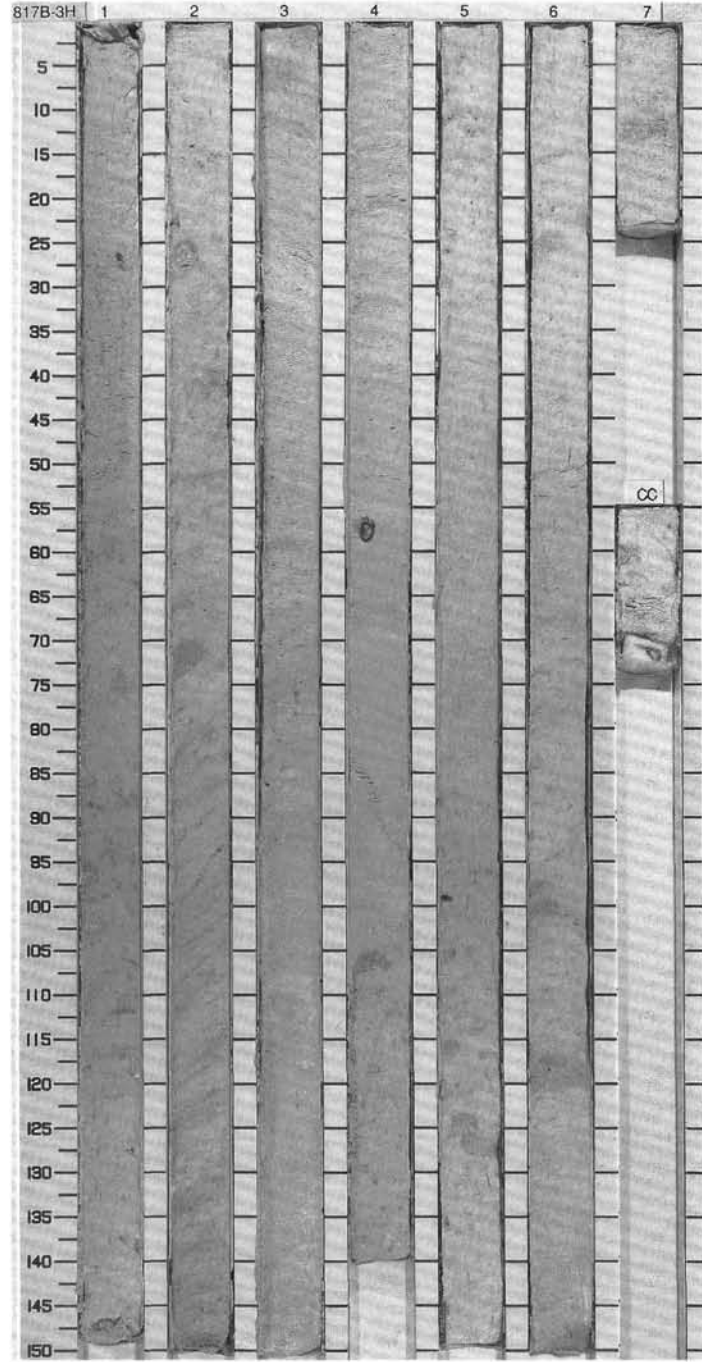


SITE 817 HOLE B CORE 2H CORED INTERVAL 4.5-14.0 mbsf

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										
					?	● 85.9% ● 1.89	● 96.2%	1	0.5	VOID				<p>FORAMINIFER NANNOFOSSIL OOZE</p> <p>Major lithology: This core contains white (10YR 7/1) FORAMINIFER NANNOFOSSIL OOZE with greenish white to pale grayish (10Y 6/1) mottles and layers.</p> <p>Minor lithology: MICRITIC OOZE with FORAMINIFERS, NANNOFOSSILS and BIOCLAISTS, white (10YR 8/1) in color, occurs in Section 5, MICRITIC CALCAREOUS OOZE with BIOCLAISTS and FORAMINIFERS, white (7.5YR 8/1), occurs in Section 6.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: right;">4, 116 D</p> <p>TEXTURE:</p> <p>Sand 30 Silt 70</p> <p>COMPOSITION:</p> <p>Bioclast 5 Feldspar 1 Foraminifers 25 Lithoclast 5 Micrite 39 Nannofossils 15 Quartz 3 Spicules 6</p>
					?	● 85.0% ● 1.89	● 96.2%	2	1.0					
				N		● 62.4% ● 1.72	● 94.9%	3	1.5					
				N		● 63.5% ● 1.77	● 96.7%	4	2.0					
				N		● 66.7% ● 1.88	● 94.9%	5	2.5					
				N		● 64.5% ● 1.85	● 95.4%	6	3.0					
								CC						

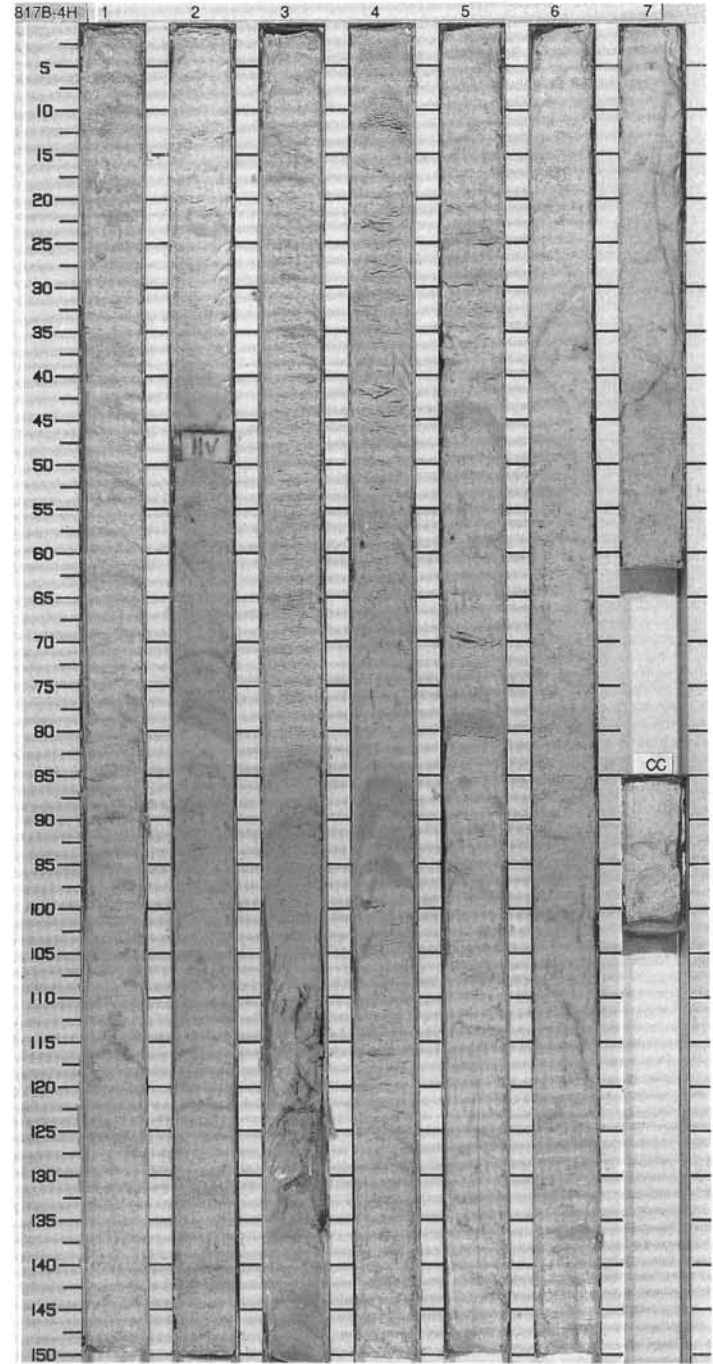


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
					N	66.9% ● 1.63	89.9%	1	0.5 1.0	[Pattern: small circles]				MICRITE OOZE with BIOCLASTS, NANNOFOSSILS and FORAMINIFERS Major lithology: This core contains greenish white (10YR 7/1 to 2.5YR 7/2) MICRITE OOZE with BIOCLASTS, NANNOFOSSILS and FORAMINIFERS. Minor bioturbation causes mottling of the sediment throughout. NANNOFOSSIL OOZE with FORAMINIFERS, BIOCLASTS, and MICRITE in sections 3 and 4.
					N	64.5% ● 1.70	95.5%	2		[Pattern: small circles]				
					N	64.6% ● 1.70	94.5%	3		[Pattern: small triangles]				
					N	58.6% ● 1.79	96.0%	4		[Pattern: small triangles]				
					N	66.4% ● 1.67	93.4%	5		[Pattern: small circles]				
					N	64.5% ● 1.70	95.8%	6		[Pattern: small circles]				
								7		[Pattern: small circles]				
								CC						

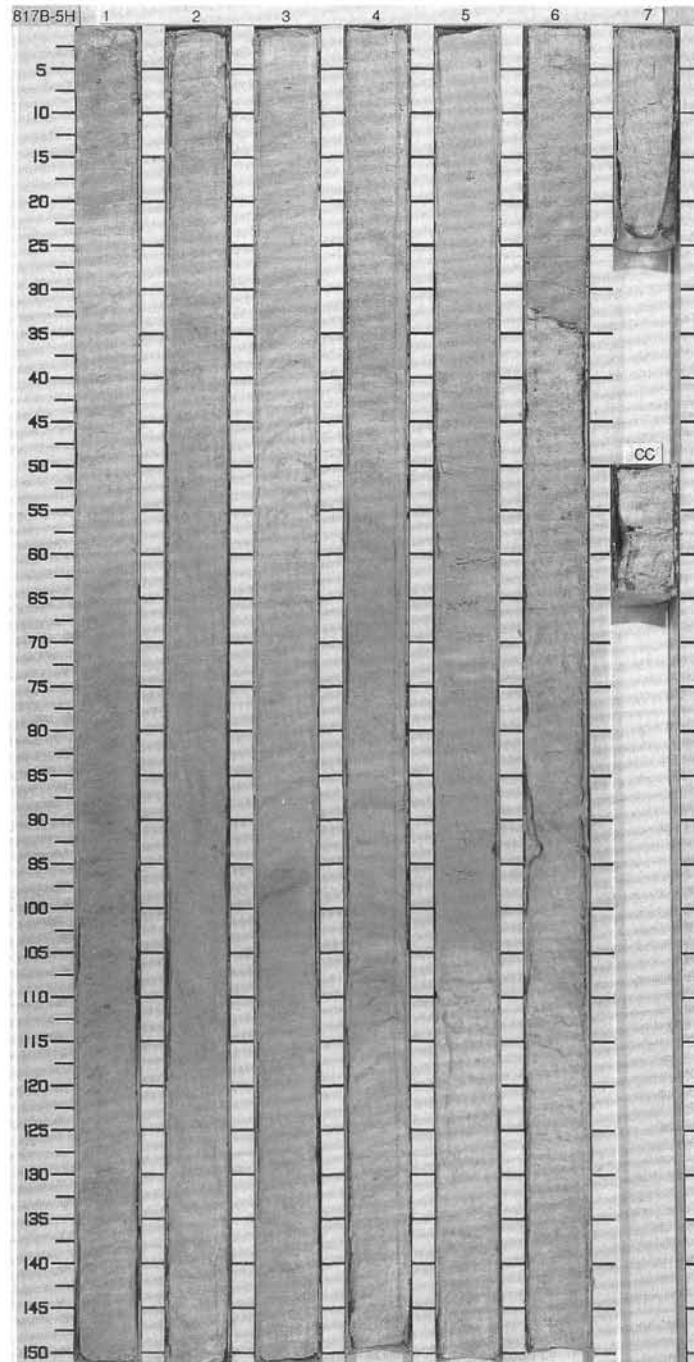


SITE 817 HOLE B CORE 4H CORED INTERVAL 23.5-33.0 mbsf

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							
				N		0.5 1.0				NANNOFOSSIL OOZE with BIOCLASTS and FORAMINIFERS Major lithology: NANNOFOSSIL OOZE with BIOCLASTS and FORAMINIFERS, white (10YR 8/1), with light gray (2.5YR 7/2) mottles due to minor bioturbation.
				N		2				
				N		3				
				N		4				
				N		5				
				N		6				
				N		7				
						CC				

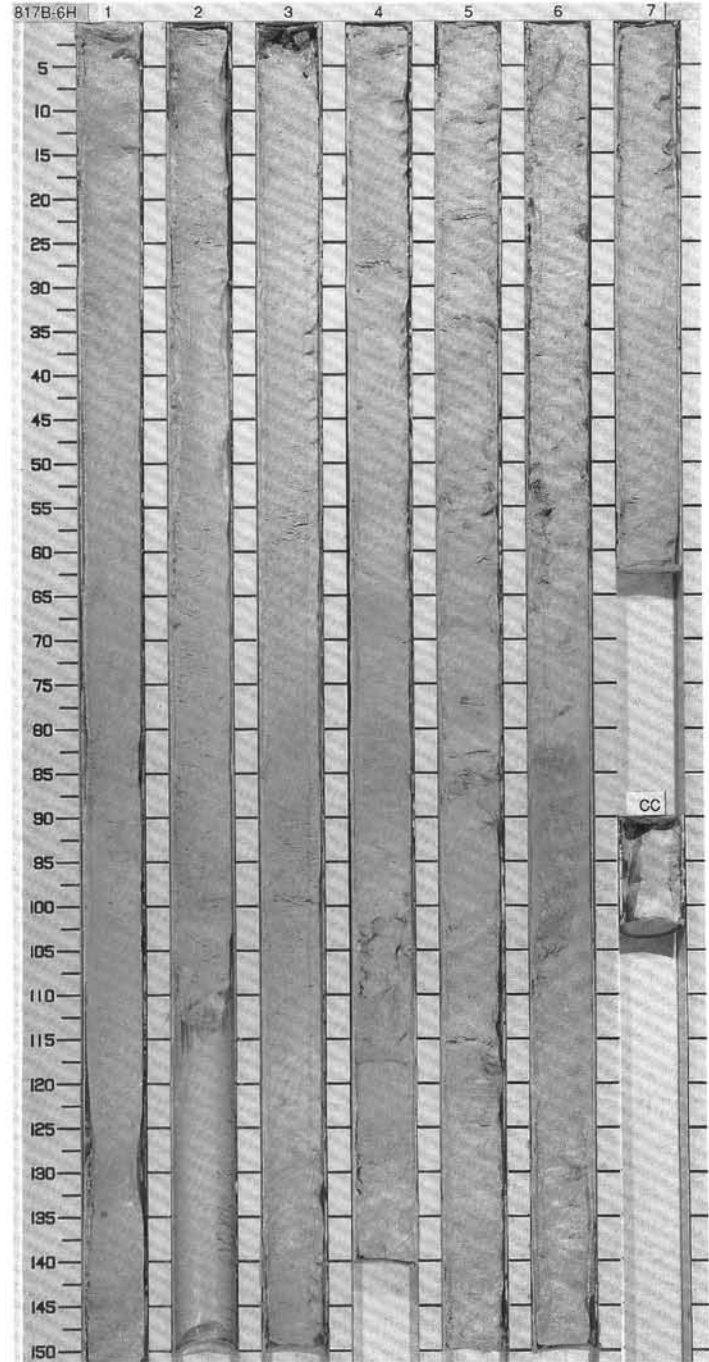


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MAMMOFOSSELS	RADIOLARIANS	DIATOMS										
					N			1	0.5 1.0	[Pattern]				MICRITE OOZE with FORAMINIFERS and BIOCLASTS Major lithology: MICRITE OOZE with FORAMINIFERS and BIOCLASTS, white (7.5YR 8/0). Inclined bedding in Section 2 suggests possible slumping of the sediments. Minor bioturbation causes greenish white (5Y 8/1) to light gray (2.5Y 8/1) colored mottling of the sediment.
					N		2			[Pattern]				
					N		3			[Pattern]				
					N		4			[Pattern]				
					N		5			[Pattern]				
					N		6			[Pattern]				
					N		7			[Pattern]				
							CC							



SITE 817 HOLE B				CORE 6H	CORED INTERVAL 42.5-52.0 mbsf	LITHOLOGIC DESCRIPTION
TIME-ROCK UNIT	BIGSTRAT. ZONE/ FOSSIL CHARACTER			SECTION METERS	GRAPHIC LITHOLOGY	
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS			DRILLING DISTURB.	BED. STRUCTURES
						SAMPLES
				1	[Graphic Lithology]	<p>MICRITIC NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLAISTS</p> <p>Major lithology: This core contains MICRITIC NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLAISTS. The color is white (10YR 8/1) with light gray (2.5Y 7/2) mottles due to minor bioturbation.</p> <p>Minor lithology: Gray (10YR 6/1) sandy FORAMINIFER OOZE in Section 3, 0-6 cm, and in Section 6, 82-104 cm are turbidite beds.</p>
				2	[Graphic Lithology]	
				VOID	[Graphic Lithology]	
				3	[Graphic Lithology]	
				4	[Graphic Lithology]	
				5	[Graphic Lithology]	
				6	[Graphic Lithology]	
				7	[Graphic Lithology]	
						PP
						CC

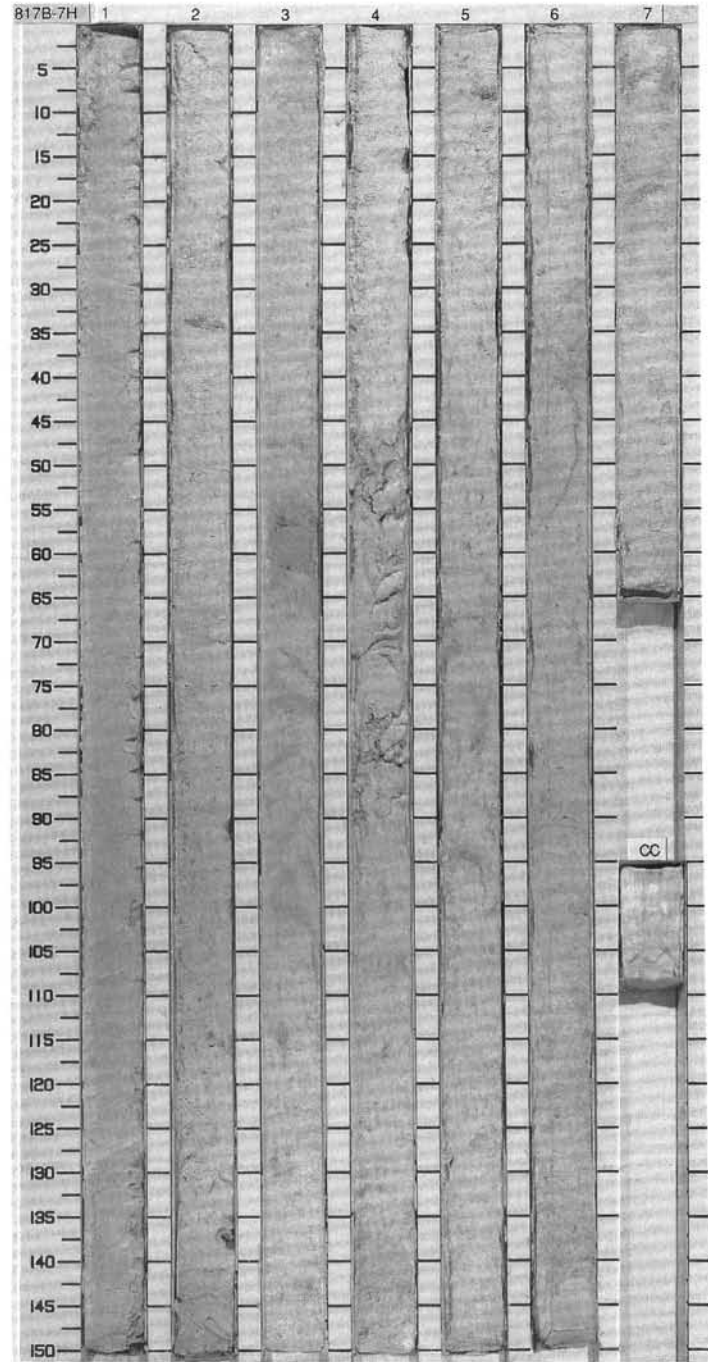
UNCERTAIN POLARITY



SITE 817 HOLE B CORE 7H CORED INTERVAL 52.0-61.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAKNOFOSSILES	RADIOLARIANS	DIATOMS								
								0.1				MICRITIC OOZE
								0.5				Major lithology: This core contains MICRITIC OOZE. The color is white (2.5YR 8/0). Minor bioturbation appearing light gray (5Y 7/2), mottling.
								1.0				Minor lithology: A light gray (5Y 6/1) FORAMINIFER OOZE occurs in Section 2, 32-34 cm as a turbidite.
								2				
								3				
								4				
								5				
								6				
								7				
								CC				

UNCERTAIN POLARITY

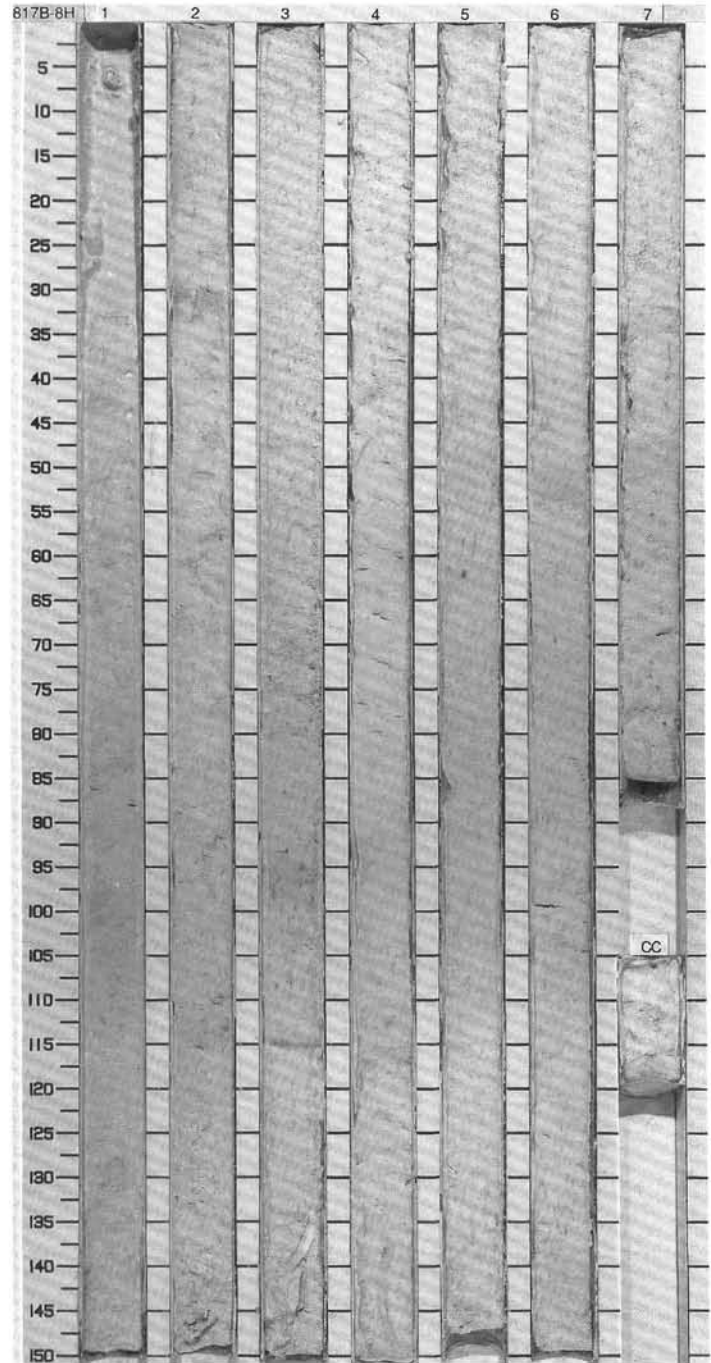


SITE 817

SITE 817 HOLE B CORE 8H CORED INTERVAL 61.5-71.0 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									
							0.5	[Pattern]				NANNOFOSSIL OOZE with MICRITE Major lithology: This core contains a very white (10YR 8/0) NANNOFOSSIL OOZE with MICRITE with gray (5YR 7/2) patches (pyritic) throughout the core.
							1.0	[Pattern]				
							2.0	[Pattern]				
							3.0	[Pattern]				
							4.0	[Pattern]				
							5.0	[Pattern]				
							6.0	[Pattern]				
							7.0	[Pattern]				
							CC	[Pattern]				

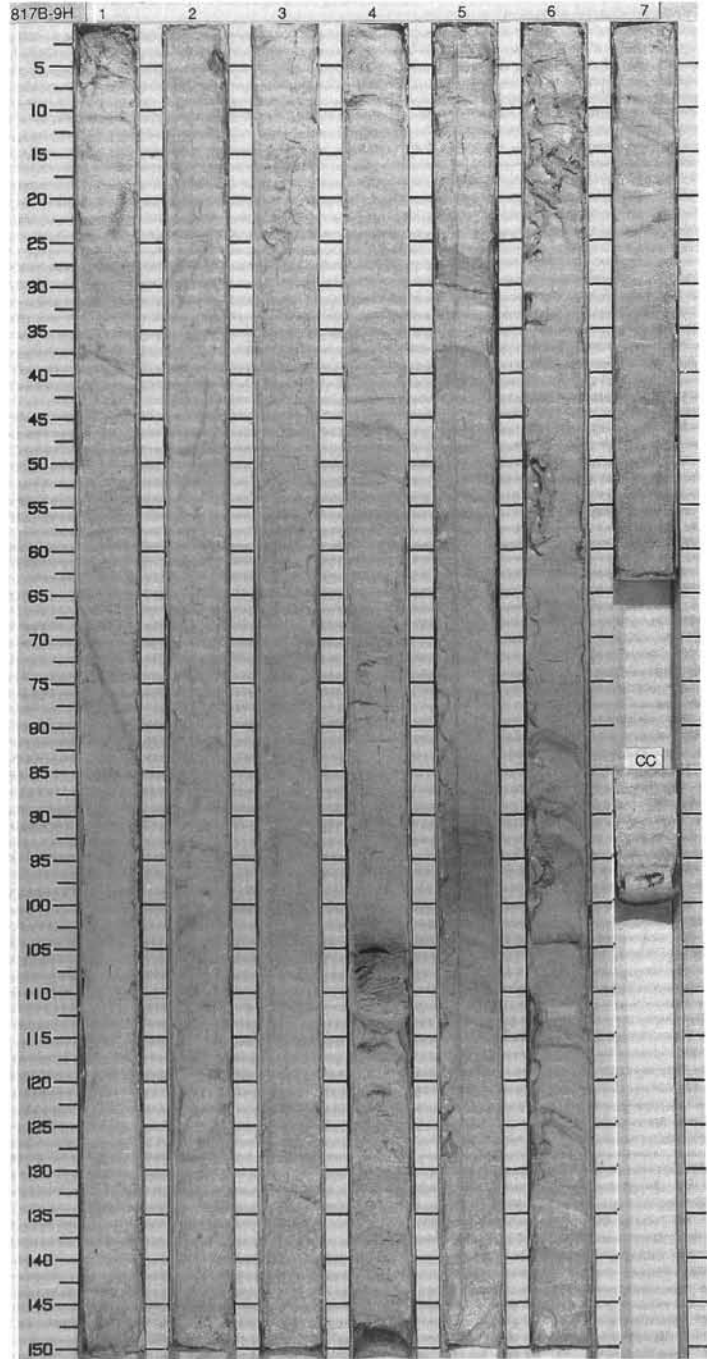
UNCERTAIN POLARITY



SITE 817 HOLE B CORE 9H CORED INTERVAL 71.0-80.5 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									
							1	0.5				<p>MICRITE NANNOFOSSIL OOZE with FORAMINIFERS and LITHOCLASTS</p> <p>Major lithology: This core contains MICRITE NANNOFOSSIL OOZE with FORAMINIFERS and LITHOCLASTS, white (10YR 8/1) in color.</p> <p>Minor lithology: FORAMINIFER OOZE, gray (2.5Y 6/0), with dark-stained (pyritic?) foraminifers, in Section 4, 47-48 cm, representing a turbidite. MICRITIC NANNOFOSSIL OOZE with CLAY, light gray (2.5Y 7/2), occurs in Section 4, 101-105 cm, Section 5, 0-8 cm, 25-30 cm, 90-110 cm, and in Section 6, 80-100 cm.</p>
							2	1.0				
							3					
							4					
							5					
							6					
							7					
												CC

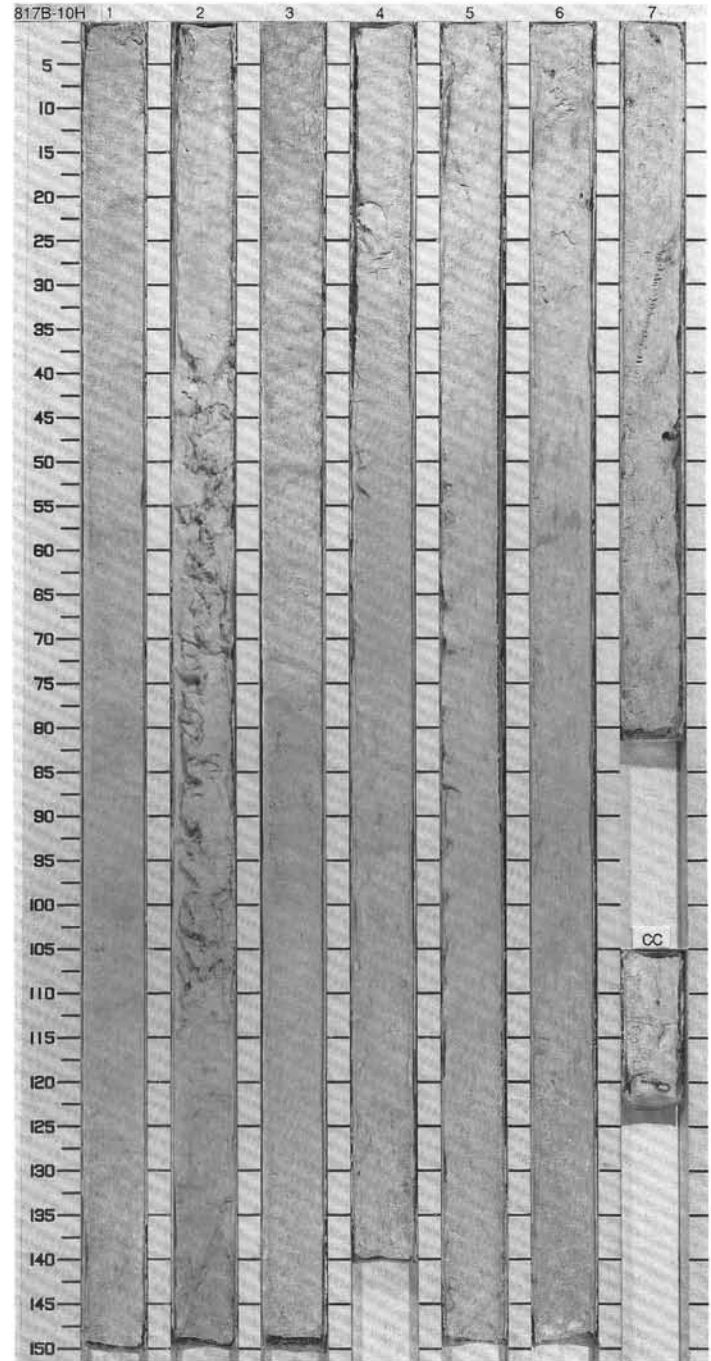
NOT MEASURED



SITE 817 HOLE B CORE 10H CORED INTERVAL 80.5-90.0 mbsf

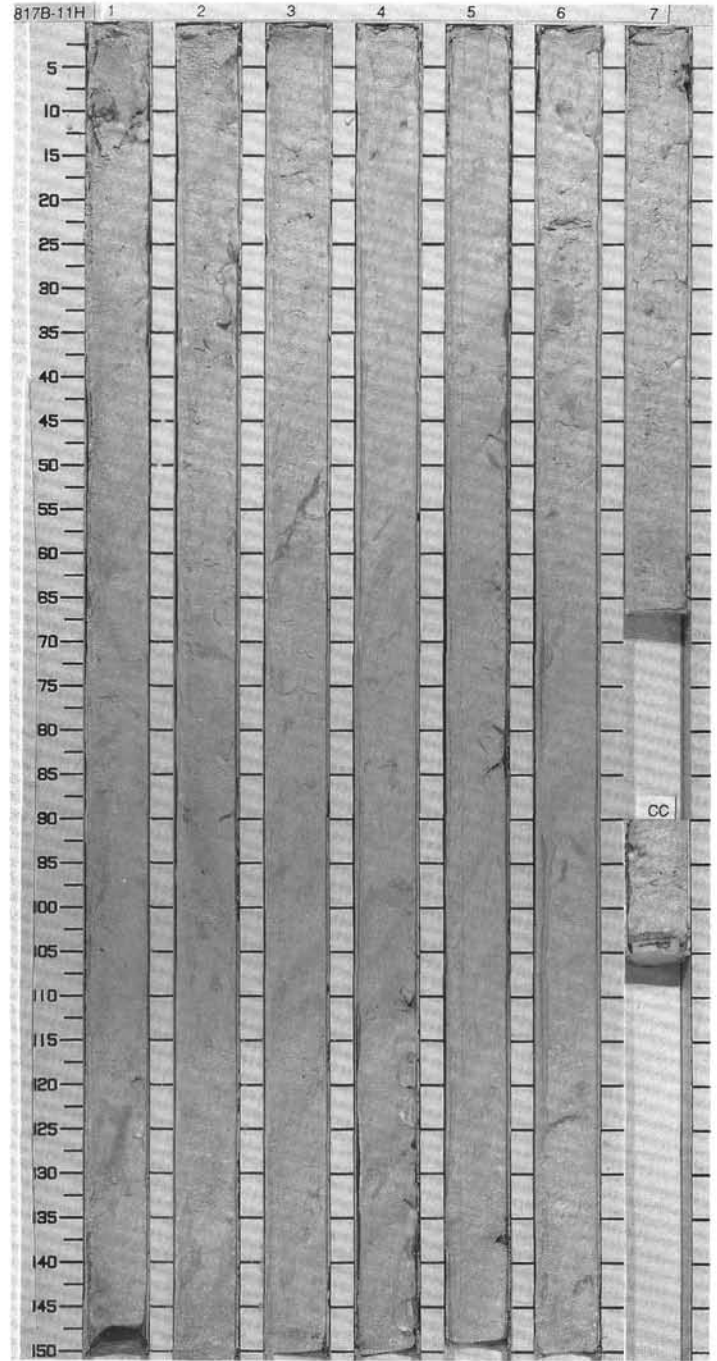
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS								DIATOMS
						0.5 1.0				<p>NANNOFOSSIL OOZE</p> <p>Major lithology: This core contains very white (10YR 8/0) NANNOFOSSIL OOZE. Light-gray (10YR 7/1) mottling due to minor bioturbation occurs throughout the core. Darker light-gray (2.5Y 7/2) layers within the white ooze occur in Section 2, 120-150 cm, in Section 3, 0-15 cm, and in Section 4, 30 to 75 cm.</p>
						2				
						3				
						4				
						5				
						6				
						7				
						CC				

NOT MEASURED



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										
								0.5					MICRITIC NANNOFOSSIL OOZE to MICRITIC NANNOFOSSIL OOZE with FORAMINIFERS Major lithology: This core contains white (10YR 8/1) MICRITIC NANNOFOSSIL OOZE and white (10YR 8/1) MICRITIC NANNOFOSSIL OOZE with FORAMINIFERS. Minor bioturbation form light gray (7.5YR 7/1) mottling.
							1	1.0					
							2						
							3						
							4						
							5						
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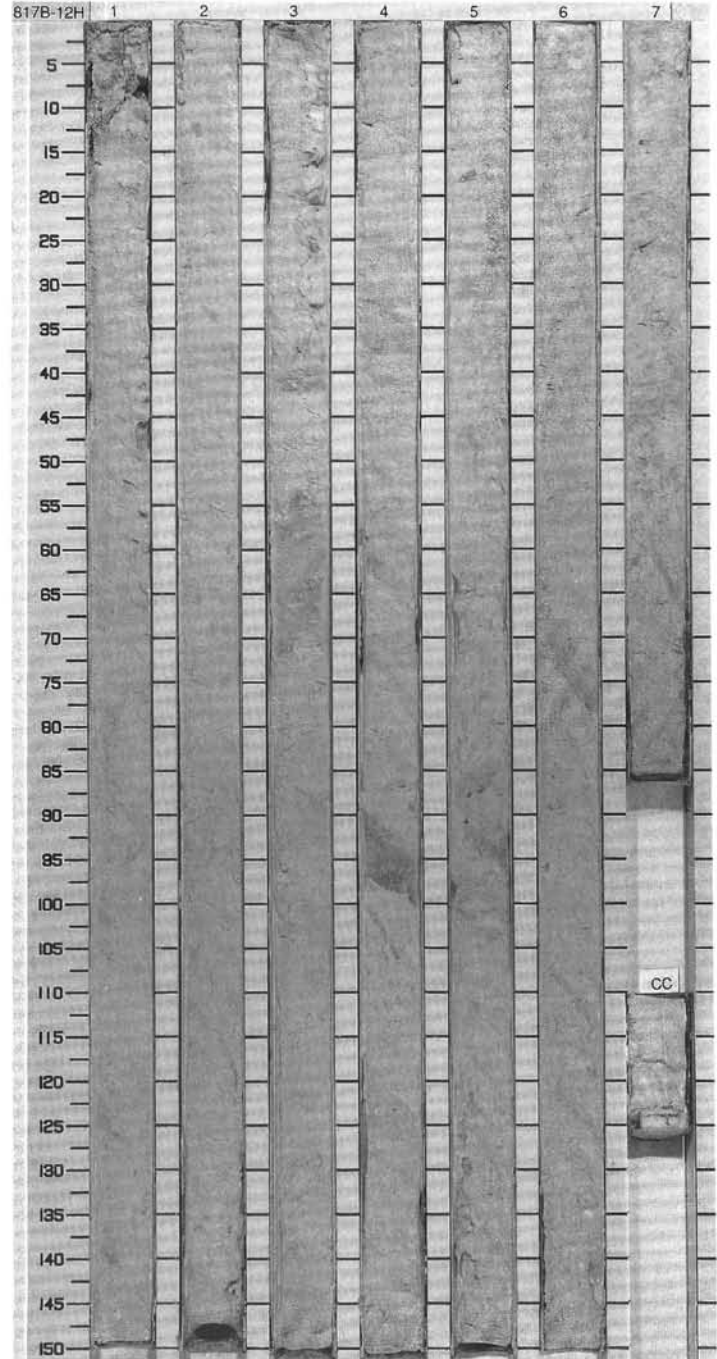
NOT MEASURED



SITE 817 HOLE B CORE 12H CORED INTERVAL 99.5-109.0 mbsf

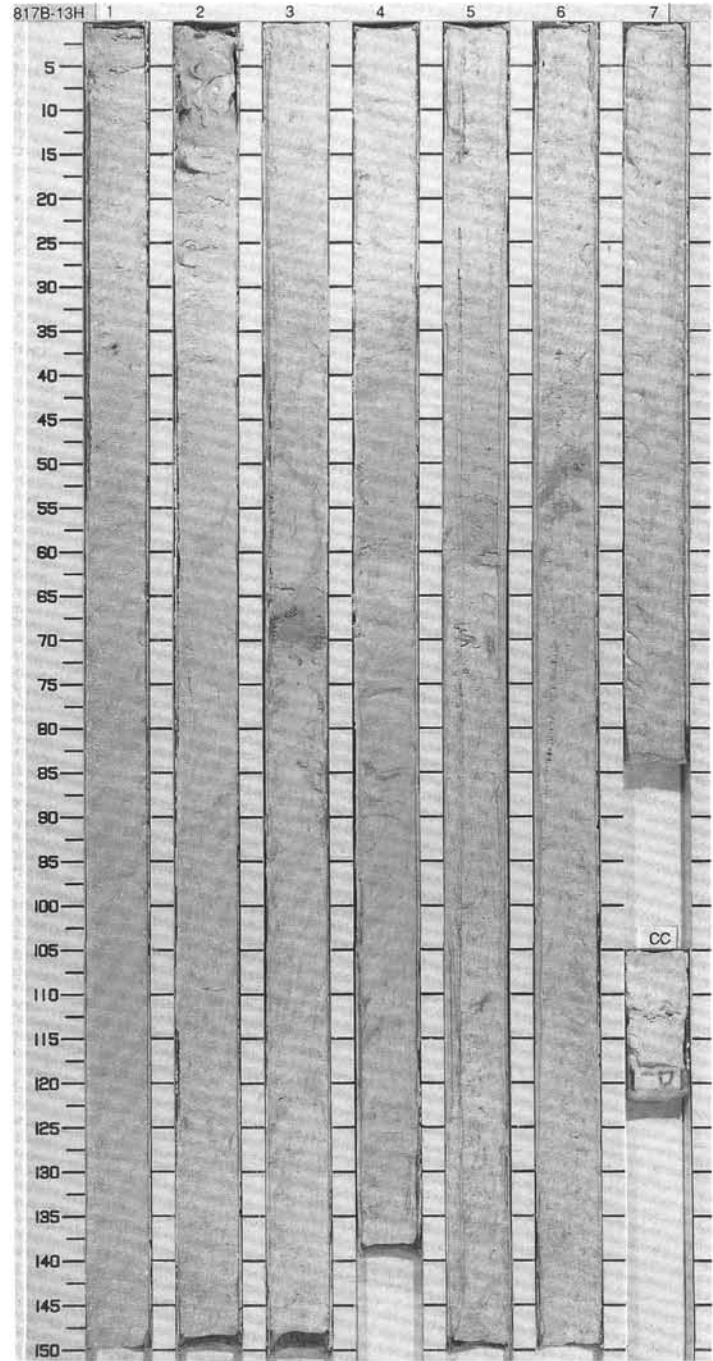
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS							
						1				<p>MICRITIC NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS</p> <p>Major lithology: This core contains white (10YR 8/1) MICRITIC NANNOFOSSIL OOZE with FORAMINIFERS and BIOCLASTS</p> <p>Minor lithology: Turbidites appear as light gray (10YR 7/1) colored FORAMINIFER OOZE in Section 3, 41-73cm, in Section 4, 90-100 cm, and in Section 6, 66-79 cm.</p>
						2				
						3				
						4				
						5				
						6				
						7				
						CC				

NOT MEASURED



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				<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL OOZE with FORAMINIFERS.</p> <p>Minor lithology: Light gray (10YR 7/1) FORAMINIFER OOZE occurs as turbidites in Section 3, 70-74 cm, in Section 4, 8-10 cm, 30-39 cm, 65-69 cm, 76-79 cm, 85-89 cm.</p>
							1					
							1.0					
							2					
							3					
							4					
							5					
							6					
							7					
							CC					

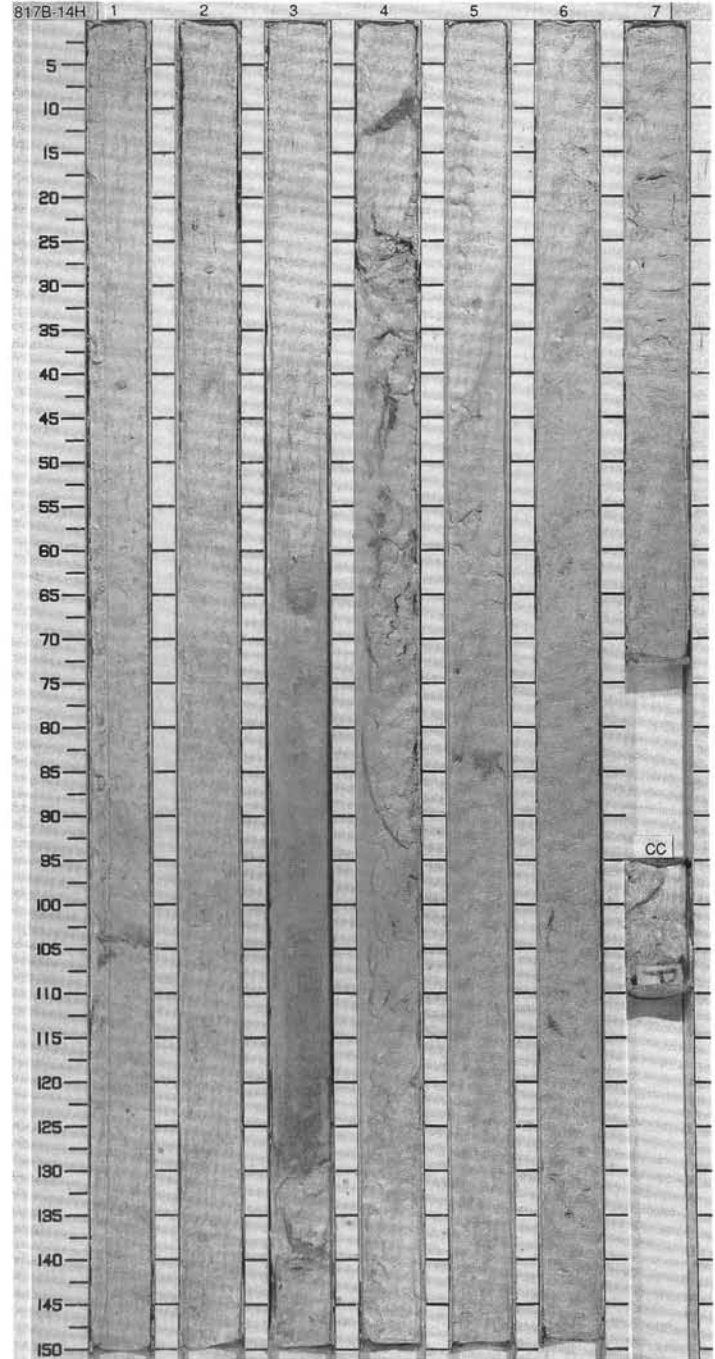
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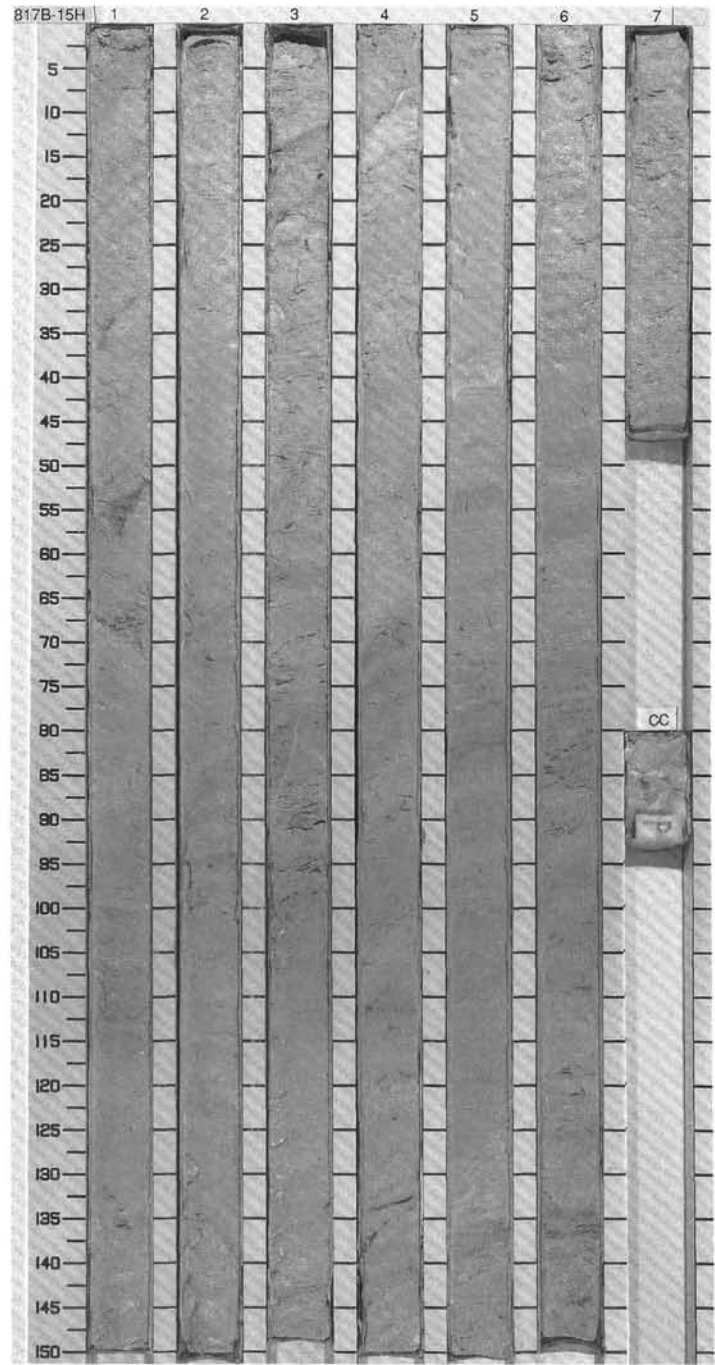
SITE 817 HOLE B CORE 14H CORED INTERVAL 118.5-128.0 mbsf

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 1.0				<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS, white (10YR 8/1) with light gray (2.5Y 6/0) mottling.</p> <p>Minor lithology: Coarse-grained FORAMINIFER OOZE, represents a turbidite with light gray (10Y 7/1) coarser grained base and top in Section 3, 60-130 cm. FORAMINIFER NANNO- FOSSIL OOZE, slightly greenish (10Y 8/1) occurs in Section 4, 100-150 cm.</p>
						2				
						3				
						4				
						5				
						6				
						7				
						CC				

NOT MEASURED



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	DIAZONS										
														MICRITE FORAMINIFER NANNOFOSSIL OOZE
								0.5						Major lithology: This core contains MICRITE FORAMINIFER NANNOFOSSIL OOZE, white (10YR 8/1) colored. Chalk lumps occur in Section 2, at 5, 70, and 130 cm, in Section 4, at 95 and 110 cm, in Section 5, at 40 cm, in Section 6, 60 to 90 cm, and 120 to 150 cm, and in Section 7, at 15 and 35 cm.
								1						
								1.0						
								2						
								3						
								4						
								5						
								6						
								7						
								CC						



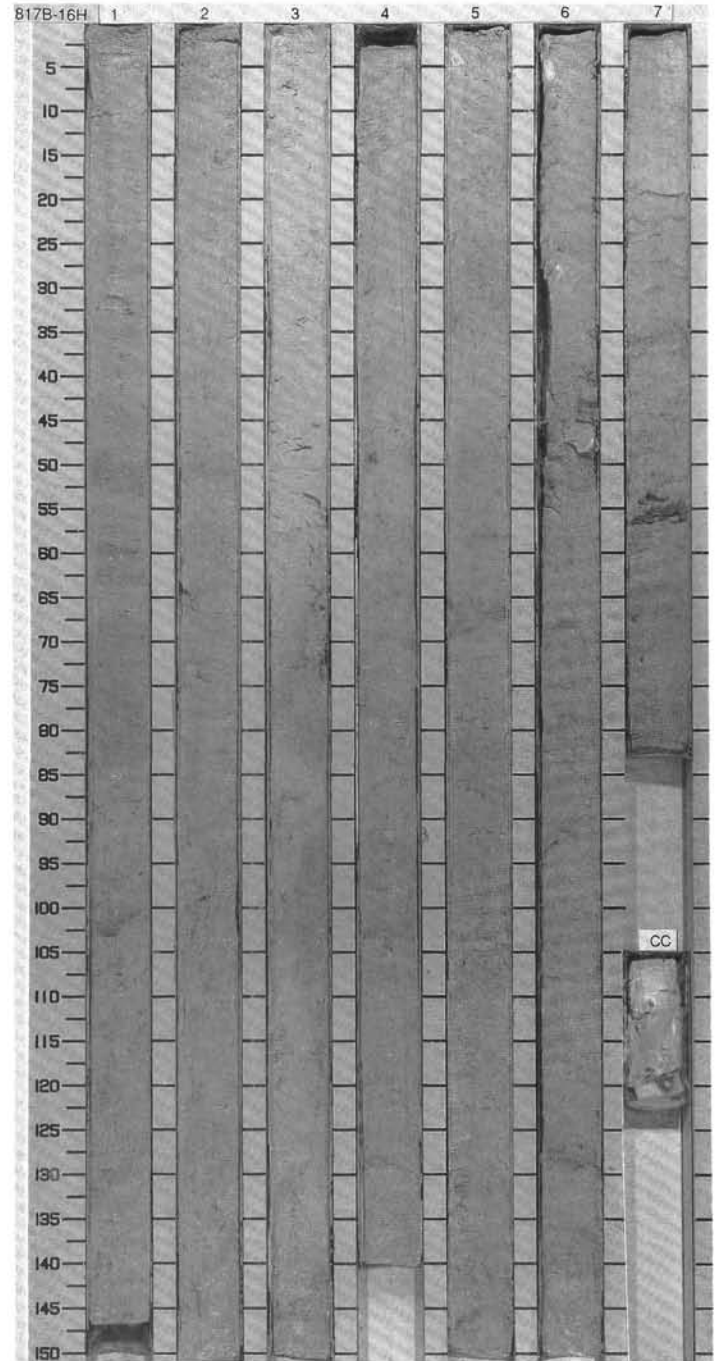
SITE 817 HOLE B CORE 16H CORED INTERVAL 137.5-147.0 mbsf

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									
								0.5					<p>FORAMINIFER NANNOFOSSIL OOZE to NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: FORAMINIFER NANNOFOSSIL OOZE, white (10YR 8/1) colored, slightly mottled, occurs in the first two sections. NANNOFOSSIL OOZE with FORAMINIFERS, white (10YR 8/1) colored, with greenish (10Y 7/1) and purplish (2.5Y 7/1) mottles, caused by bioturbation occurs in the other sections.</p> <p>Minor lithology: Coarser grained FORAMINIFER OOZE turbidite beds occur in Section 5, at 70 cm, and in Section 7, at 55 cm.</p>
								1.0					
								2					
								3					
								4					
								5					
								6					
								7					
								CC					

NOT MEASURED

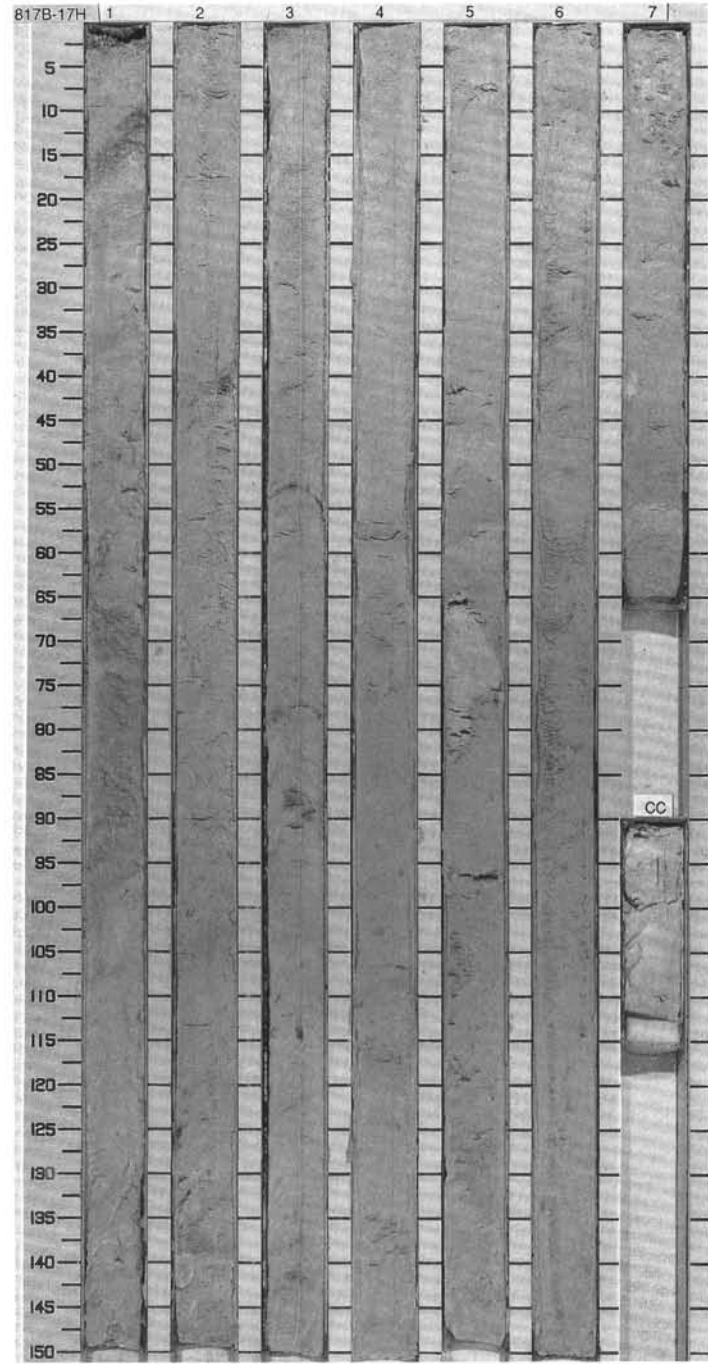
PAL

PAL



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									
									0.5				<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: NANNOFOSSIL OOZE with FORAMINIFERS, white (10YR 8/1) colored, with light gray (5Y 7/2) mottling due to bioturbation in Sections 1 through 4.</p> <p>Minor lithology: BIOCLASTIC FORAMINIFER OOZE with NANNOFOSSILS occurs in Section 1, 65-110 cm, light gray (5Y 7/2) colored.</p>
								1					
								2					
								3					
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								5					
								6					
								7					
								CC					

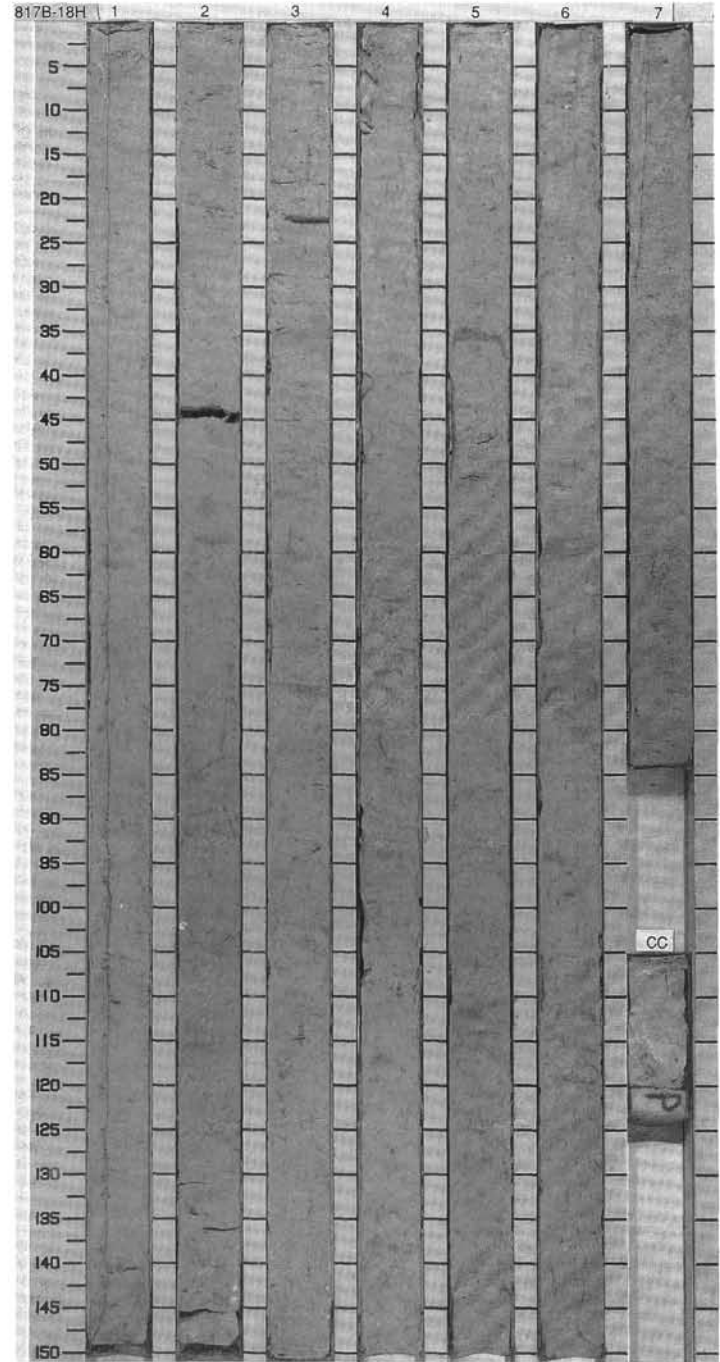
NOT MEASURED



SITE 817 HOLE B CORE 18H CORED INTERVAL 156.5-166.0 mbsf

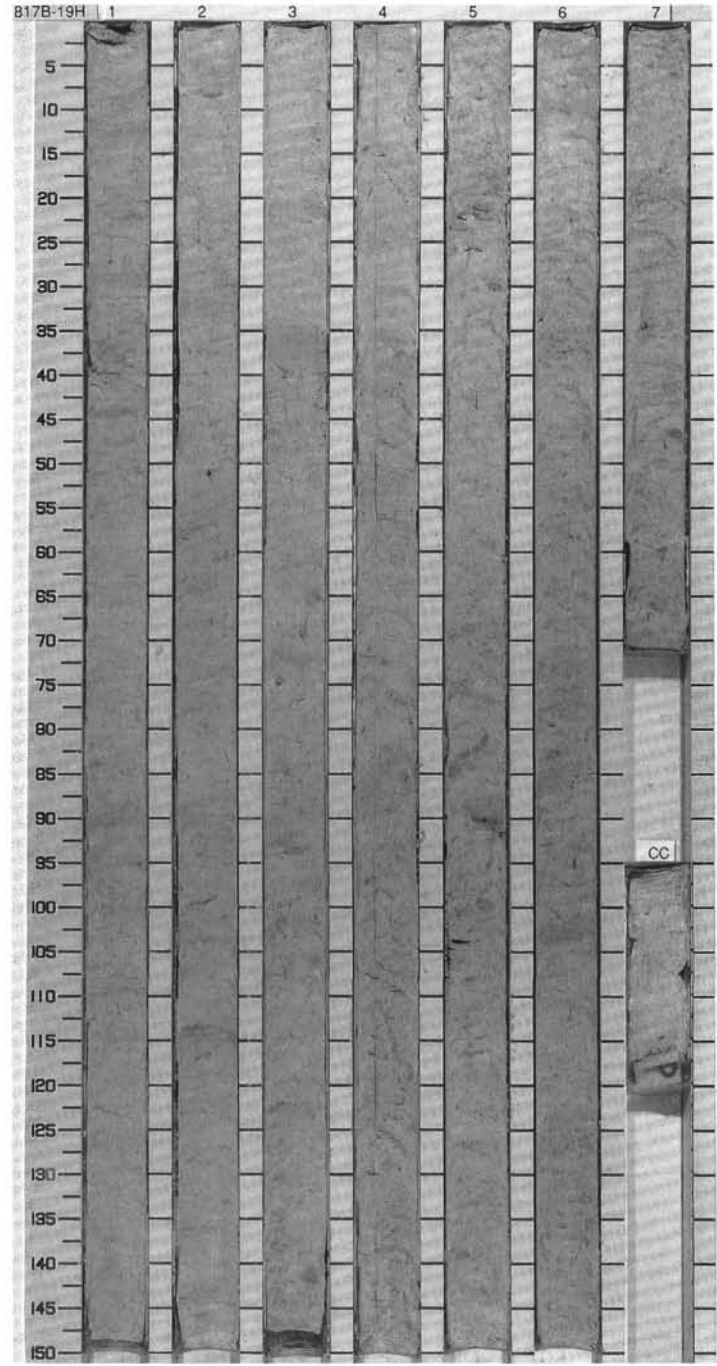
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS									
								0.5				NANNOFOSSIL OOZE with FORAMINIFERS and MICRITE Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS and MICRITE, white (5Y 8/1). Minor bioturbation throughout this core is shown by greenish brown (5Y 7/2) mottles.
							1.0					
							2					
							3					
							4					
							5					
							6					
							7					
							CC					

NOT MEASURED



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					NANNOFOSSIL OOZE with FORAMINIFERS Major lithology. This core contains NANNOFOSSIL OOZE with FORAMINIFERS, white (10YR 8/1) colored, with light olive gray (5Y 6/2) mottling.
								1						
								1.0						
								2						
								3						
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								5						
								6						
								7						
								CC						

NOT MEASURED



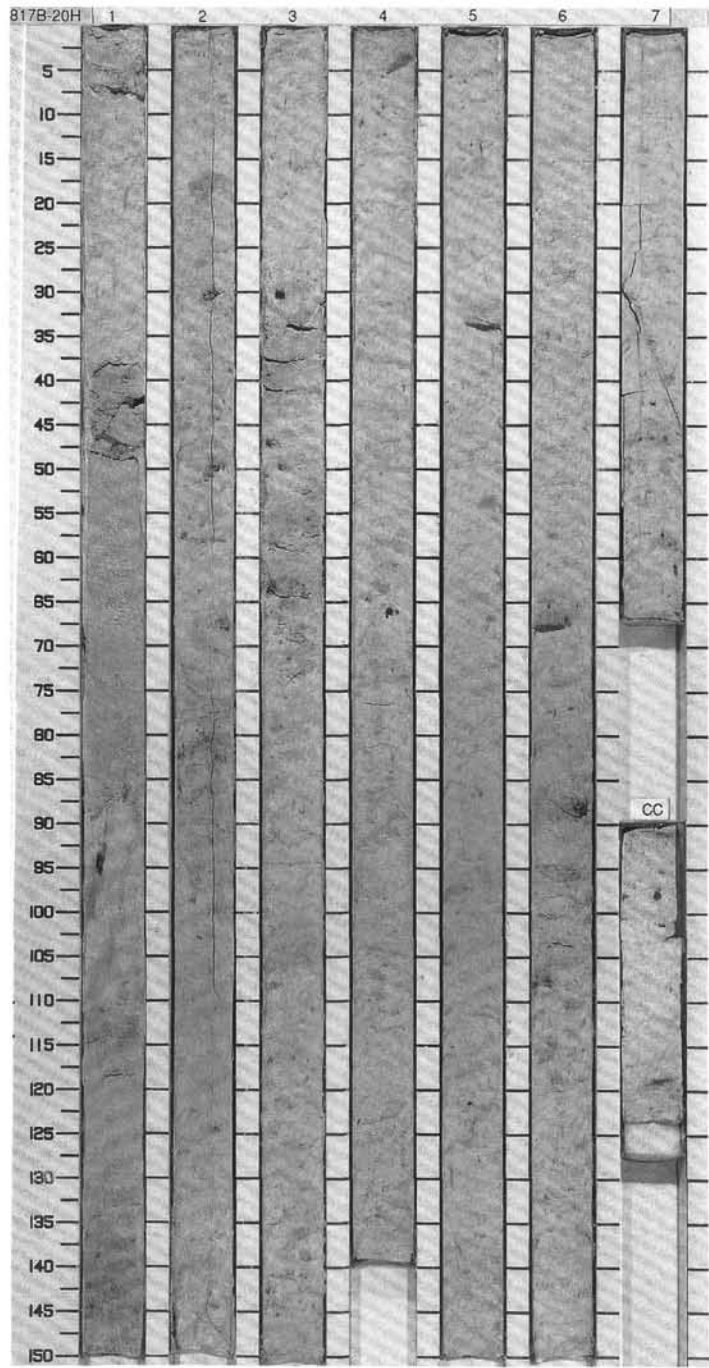
SITE 817 HOLE B CORE 20H CORED INTERVAL 175.5-185.0 mbsf

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	DIAZONS										
									0.5					<p>NANNOFOSSIL FORAMINIFER OOZE</p> <p>Major lithology: This core contains NANNOFOSSIL FORAMINIFER OOZE, light greenish gray (5Y 7/1) with white (10YR 8/1) mottling due to bioturbation. Pyrite nodules occur in Section 2, at 30, 50 and 105 cm, in Section 3, at 30, 50 and 60 cm, and in Section 4 at 70 cm. A possible turbidite with a higher abundance of foraminifers occurs in Section 1, 30 to 90 cm.</p>
								1.0						

NOT MEASURED

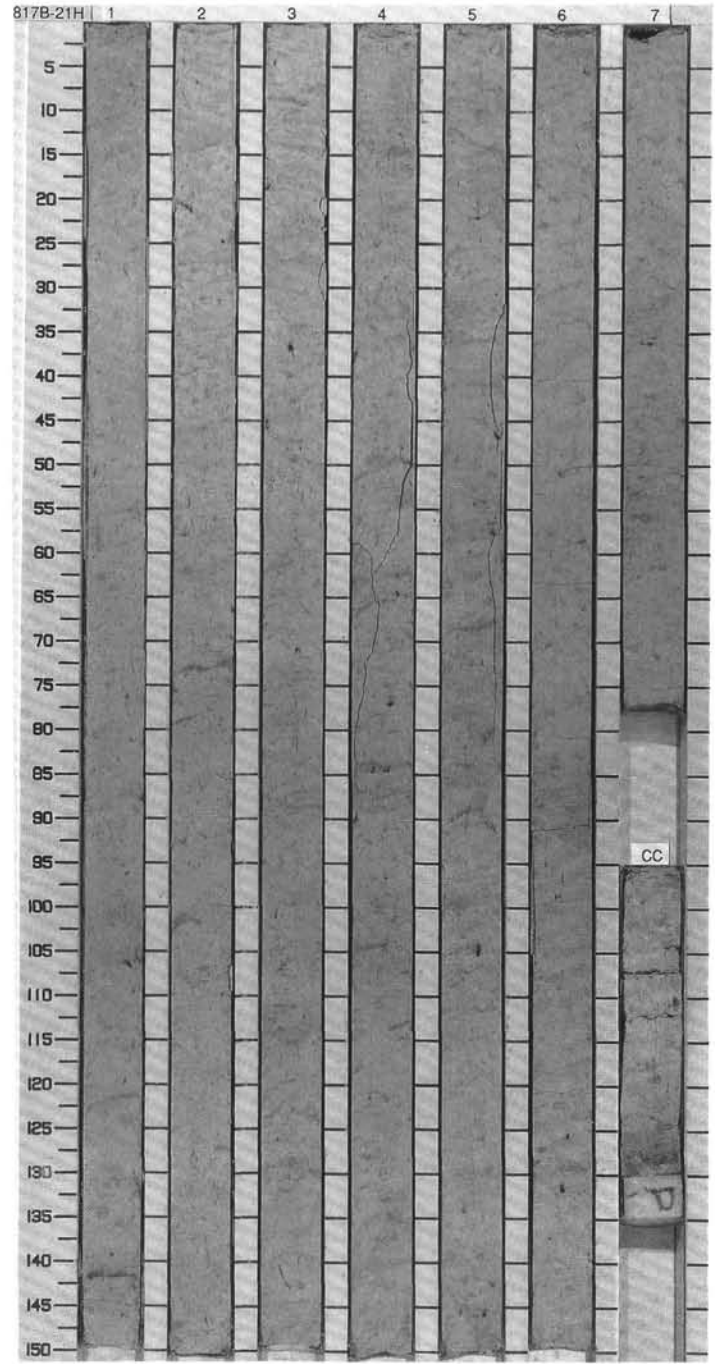
PP

PA



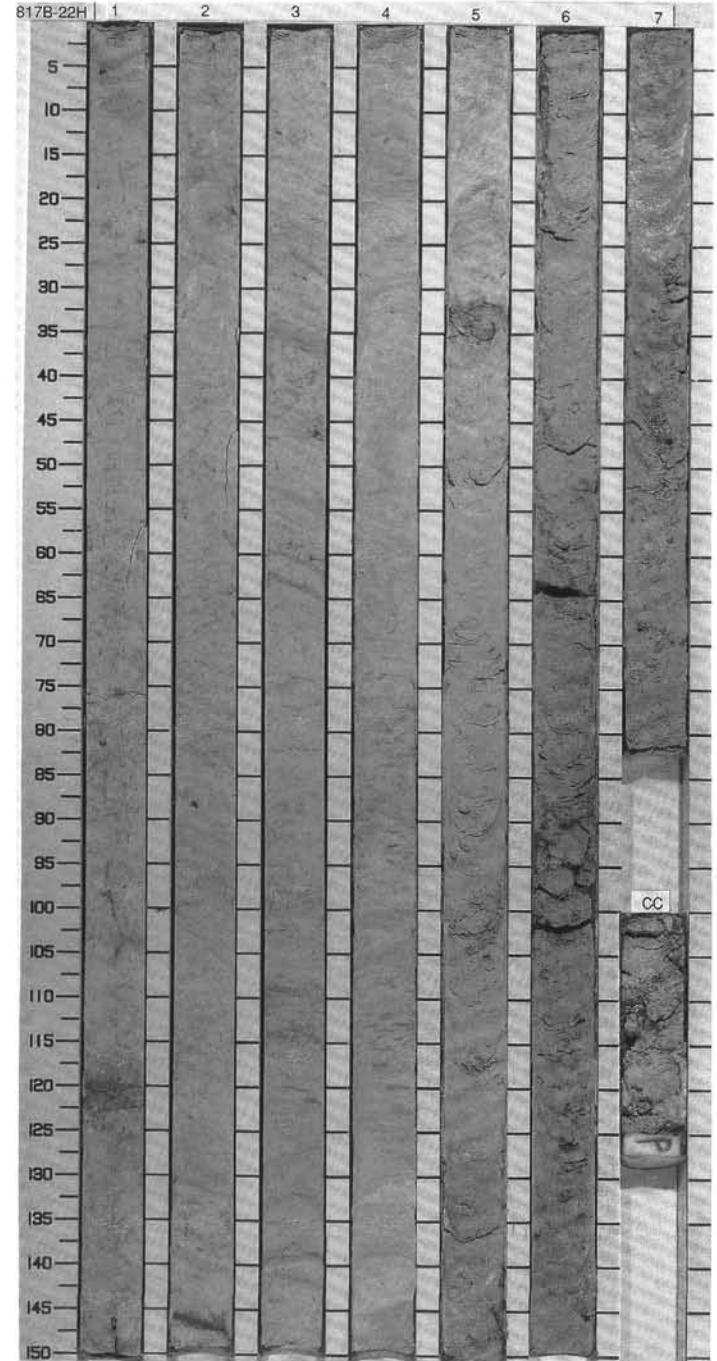
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAZONS										
									0.5					NANNOFOSSIL OOZE with FORAMINIFERS Major lithology: NANNOFOSSIL OOZE with FORAMINIFERS, homogeneous white (10YR 8/1) with light greenish gray (10Y 7/1) elongated mottles and dark gray (2.5Y 5/0) pyritized burrows (possibly monosulfides).
								1						
								1.0						
								2						
								3						
								4						
								5						
								6						
								7						
								CC						

NOT MEASURED



SITE 817 HOLE B CORE 22H CORED INTERVAL 194.5-204.0 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										
					NOT MEASURED			0.5						<p>NANNOFOSSIL OOZE with FORAMINIFERS overlies MICRITIC CHALK with NANNOFOSSILS</p> <p>Major lithology: NANNOFOSSIL OOZE with FORAMINIFERS, homogeneous white (10YR 8/1) with bioturbation evident in light greenish gray (10Y 7/1) elongated mottles and dark gray (2.5Y 5/0) to gray (2.5Y 7/2) pyritized burrows (possibly monosulfides). Beneath a sharp contact in Section 4 (at 32 cm), light gray (10YR 7/2) NANNOFOSSIL OOZE passes gradually downward into light gray to white (10YR 7/2) MICRITIC CHALK with NANNOFOSSILS AND FORAMINIFERS which is mottled and highly disrupted by drilling (soft and hard layers?).</p>
						1		1.0						
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						3								
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						6								
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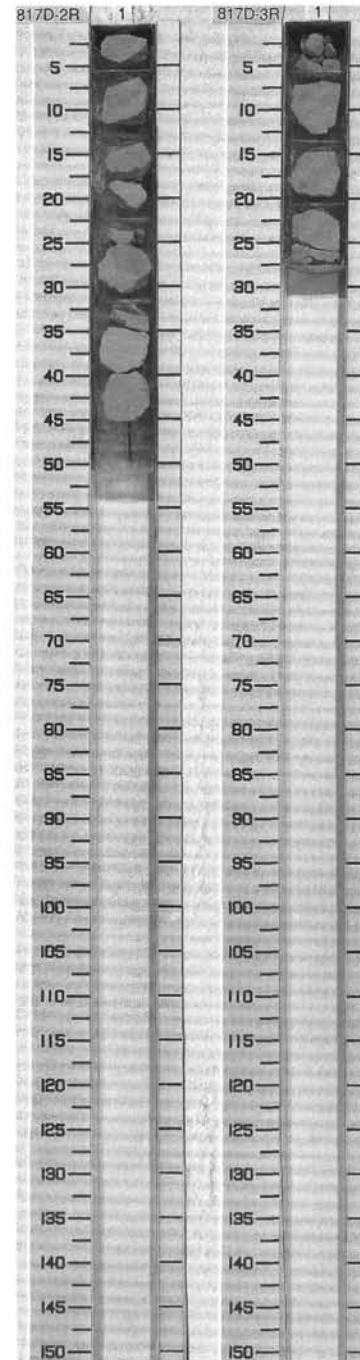


Cores from Hole 817C were dedicated to interstitial-water sampling


817D 1W WASH CORE

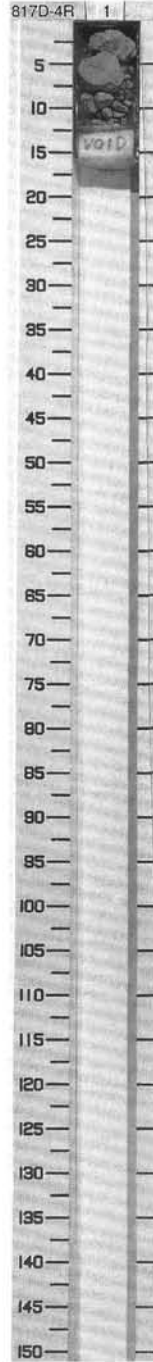
SITE 817 HOLE D CORE 2R CORED INTERVAL 270.0-279.7 mbsf												
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS										DIATOMS
UPPER LOWER MIOCENE - MIDDLE MIOCENE	C/P	CN2	CN5		not measured	96.6%	1					<p>CALCAREOUS FORAMINIFER CHALK with SPONGE SPICULES</p> <p>Major lithology: Greenish gray (5Y 7/2), well bioturbated CALCAREOUS FORAMINIFER CHALK with SPONGE SPICULES. Texture is subsucrosic. Planktonic foraminifers, sponge spicules and a few radiolarians are well preserved. Intraparticle porosity is occluded by sparry calcite cement. Dark-green grains may be glauconite.</p>

SITE 817 HOLE D CORE 3R CORED INTERVAL 279.7-289.3 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
	C/P	?			not measured	93.8%	1				*	<p>SPICULAR CALCAREOUS CHALK with FORAMINIFERS</p> <p>Major lithology: White (2.5Y 8/1) to light gray (2.5Y 7/1) SPICULAR CALCAREOUS CHALK with FORAMINIFERS. Calcite cement makes up about 50% of the rock.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: center;">1.7 D</p> <p>TEXTURE:</p> <p>Sand 40 Silt 60</p> <p>COMPOSITION:</p> <p>Foraminifers 15 Inorganic calcite 58 Nannofossils 2 Spicules 25</p>



SITE 817 HOLE D CORE 4R CORED INTERVAL 289.3-299.0 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																											
	C/P	?			not measured	92.5%	1				<p>CALCAREOUS CHALK with SPONGE SPICULES</p> <p>Major lithology: White (2.5Y 8/1) to light gray (2.5Y 7/1) CALCAREOUS CHALK with SPONGE SPICULES. Silt-sized calcite makes up about 69% of the rock.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>1.6</td> </tr> <tr> <td>D</td> <td></td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>28</td> </tr> <tr> <td>Silt</td> <td>72</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Foraminifers</td> <td>5</td> </tr> <tr> <td>Inorganic calcite</td> <td>69</td> </tr> <tr> <td>Nannofossils</td> <td>3</td> </tr> <tr> <td>Quartz</td> <td>2</td> </tr> <tr> <td>Rock fragment</td> <td>1</td> </tr> <tr> <td>Spicules</td> <td>20</td> </tr> </table>		1.6	D		Sand	28	Silt	72	Foraminifers	5	Inorganic calcite	69	Nannofossils	3	Quartz	2	Rock fragment	1	Spicules	20
	1.6																														
D																															
Sand	28																														
Silt	72																														
Foraminifers	5																														
Inorganic calcite	69																														
Nannofossils	3																														
Quartz	2																														
Rock fragment	1																														
Spicules	20																														



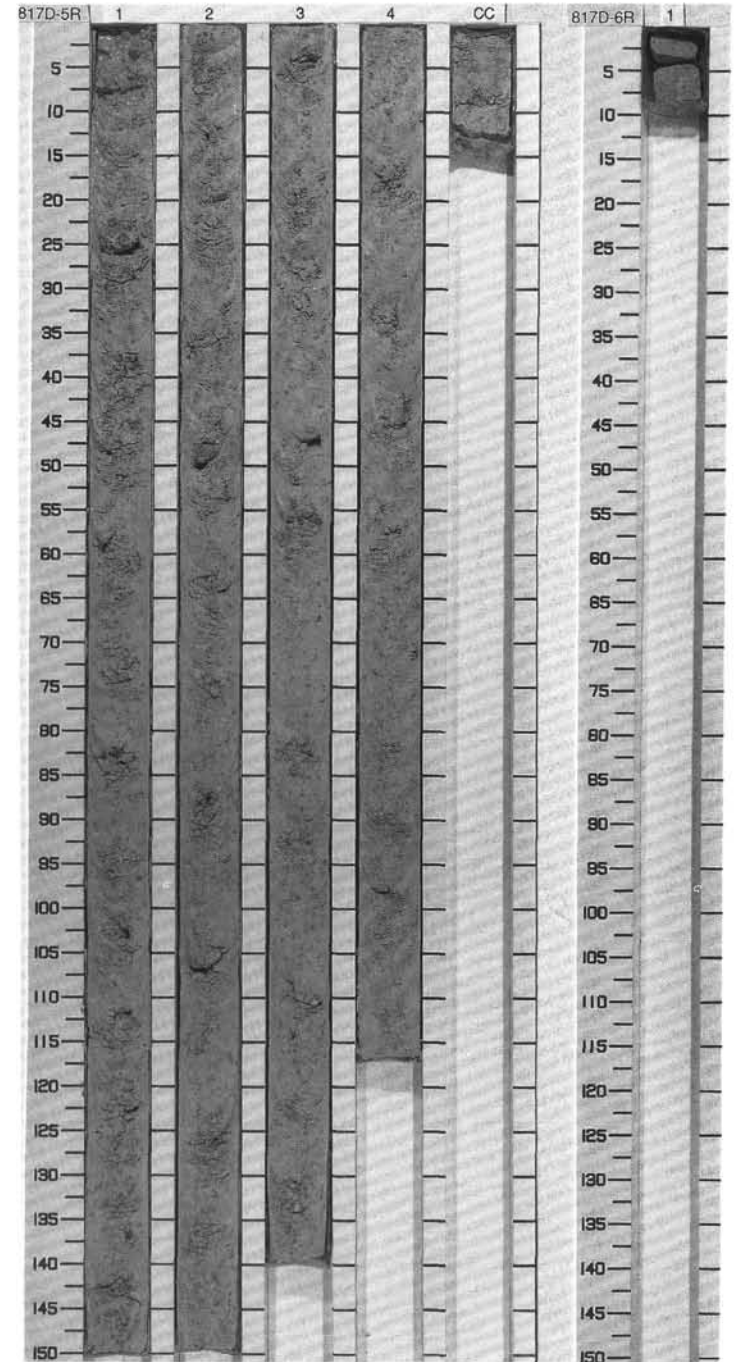
SITE 817 HOLE D CORE 5R CORED INTERVAL 299.0-308.6 mbsf

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									
	C/P	?			not measured				0.5 1 1.0 2 3 4				<p>CALCAREOUS CHALK with FORAMINIFERS</p> <p>Major lithology: Gray (10YR 7/1) CALCAREOUS CHALK with FORAMINIFERS interbedded with CALCAREOUS OOZE. Drilling disturbance masks chalk to ooze ratio.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: right;">1.60 D</p> <p>COMPOSITION:</p> <p>Foraminifers 15 Inorganic calcite 70 Micrite 15 Nannofossils Tr</p>
						96.8%							

SITE 817 HOLE D CORE 6R CORED INTERVAL 308.6-318.3 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									
	C/P	?			not measured								<p>CALCAREOUS CHALK with FORAMINIFERS and BIOCLASTS</p> <p>Major lithology: Light gray (10YR 7/2), bioturbated, and well-lithified CALCAREOUS CHALK with FORAMINIFERS and BIOCLASTS.</p>
						96.5%							

817D 7R NO RECOVERY

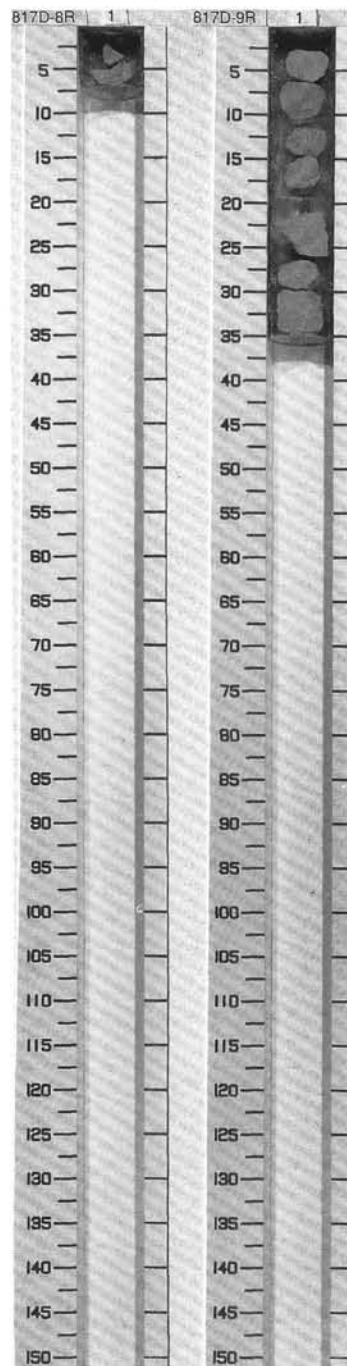


SITE 817 HOLE D CORE 8R CORED INTERVAL 328.0-337.6 mbsf

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 LOWER MIOCENE - MIDDLE MIOCENE	CN3 - CN4				NOT MEASURED	97.6%	1						<p>CALCAREOUS CHALK with FORAMINIFERS and BIOCLASTS</p> <p>Major lithology: Light-gray (10YR 7/2), well-lithified CHALK with FORAMINIFERS (including benthic forms), and BIOCLASTS, contains brown (2.5Y 3/2) chert nodules.</p>

SITE 817 HOLE D CORE 9R CORED INTERVAL 337.6-347.2 mbsf

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 LOWER MIOCENE - MIDDLE MIOCENE	R/P CN3 - CN4				not measured	97.6%	1						<p>CALCAREOUS CHALK with FORAMINIFERS</p> <p>Major lithology: White (10YR 8/1) to light gray (10YR 7/2) CALCAREOUS CHALK with FORAMINIFERS (20%). Microcrystalline calcite cement comprises 48% of the rock.</p>



SITE 817 HOLE D CORE 10R CORED INTERVAL 347.2-356.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS		PHYS. PROPERTIES		SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	CHEMISTRY	SECTION METERS	SECTION METERS	SECTION METERS					
R/P ?					NOT MEASURED	97.6%							BIOTURBATED CALCAREOUS CHALK with BIOCLASTS Major lithology: Well-lithified, white (10YR 6/2), bioturbated CHALK with BIOCLASTS and minor foraminifers.

SITE 817 HOLE D CORE 11R CORED INTERVAL 356.9-366.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS		PHYS. PROPERTIES		SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	CHEMISTRY	SECTION METERS	SECTION METERS	SECTION METERS					
R/P ?					not measured	97.6%							CALCAREOUS FORAMINIFER CHALK with BIOCLASTS Major lithology: Extensively bioturbated, light-gray (2.5YR 7/2) to light brownish-gray (10YR 6/2) FORAMINIFER CHALK with BIOCLASTS. Texture is subsucrosic with vuggy porosity. Lower 6 cm contains dark-colored mineral grains of indeterminate origin. Foraminifers include both large (<i>Lepidocyclina</i>) and small benthic forams, echinoid spines are also present.

817D 12R NO RECOVERY

SITE 817 HOLE D CORE 13R CORED INTERVAL 372.5-378.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS		PHYS. PROPERTIES		SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																								
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	CHEMISTRY	SECTION METERS	SECTION METERS	SECTION METERS																													
R/P ?					not measured	98.1%							FORAMINIFER CALCAREOUS CHALK Major lithology: White (10YR 8/1) to light-gray (10YR 7/1) FORAMINIFER (20%) CALCAREOUS CHALK. Some molds of large benthic forams. SMEAR SLIDE SUMMARY (%): <table style="margin-left: 40px;"> <tr> <td></td> <td>1, 2</td> <td>1, 3</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> </tr> </table> TEXTURE: <table style="margin-left: 40px;"> <tr> <td>Sand</td> <td>47</td> <td>50</td> </tr> <tr> <td>Silt</td> <td>53</td> <td>50</td> </tr> </table> COMPOSITION: <table style="margin-left: 40px;"> <tr> <td>Foraminifers</td> <td>15</td> <td>20</td> </tr> <tr> <td>Inorganic calcite</td> <td>53</td> <td>50</td> </tr> <tr> <td>Lithoclast</td> <td>30</td> <td>30</td> </tr> <tr> <td>Rock fragment</td> <td>2</td> <td>--</td> </tr> </table>		1, 2	1, 3		D	D	Sand	47	50	Silt	53	50	Foraminifers	15	20	Inorganic calcite	53	50	Lithoclast	30	30	Rock fragment	2	--
	1, 2	1, 3																																			
	D	D																																			
Sand	47	50																																			
Silt	53	50																																			
Foraminifers	15	20																																			
Inorganic calcite	53	50																																			
Lithoclast	30	30																																			
Rock fragment	2	--																																			



SITE 817 HOLE D CORE 14R CORED INTERVAL 378.7-388.0 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									
	R/P ?				NOT MEASURED		98.2%	1					CALCAREOUS CHALK with BIOCLASTS and FORAMINIFERS Major lithology: Light gray (2.5Y 7/2) CALCAREOUS CHALK with BIOCLASTS and FORAMINIFERS.

SITE 817 HOLE D CORE 15R CORED INTERVAL 388.0-397.7 mbsf

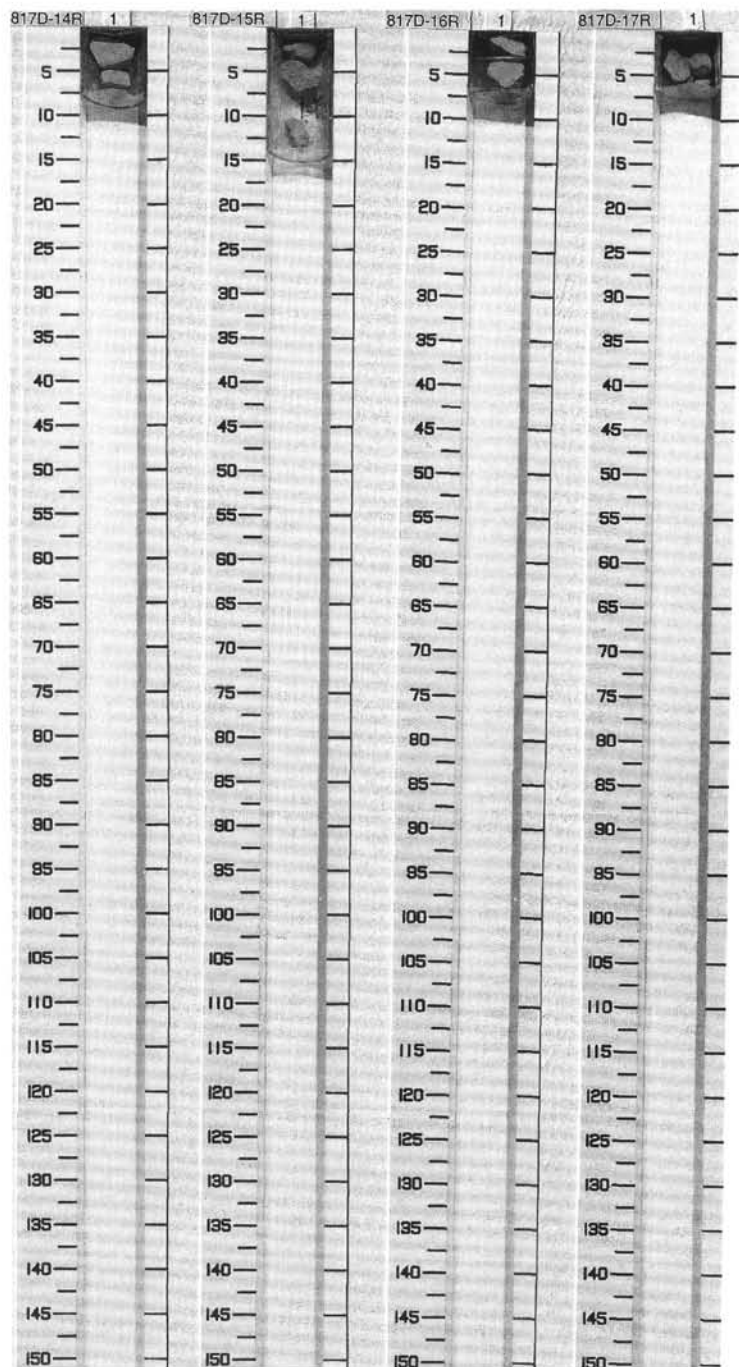
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS									
	R/P ?				NOT MEASURED		97.0%	1					CALCAREOUS CHALK with BIOCLASTS and FORAMINIFERS Major lithology: White (2.5Y 8/2) CALCAREOUS CHALK with BIOCLASTS and FORAMINIFERS. Sucrosic texture with vuggy and intercrystalline porosity.

SITE 817 HOLE D CORE 16R CORED INTERVAL 397.7-407.4 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									
MIDDLE MIOCENE	R/P CN3 - CN4				not measured		97.0%						CALCAREOUS CHALK with BIOCLASTS Major lithology: Light Gray (2.5Y 7/2) CALCAREOUS CHALK with BIOCLASTS and minor planktonic foraminifers. Sucrosic texture with vuggy and intercrystalline porosity.

SITE 817 HOLE D CORE 17R CORED INTERVAL 407.4-417.0 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									
MIDDLE MIOCENE	R/P CN3 - CN4				not measured		98.2%						CALCAREOUS CHALK with BIOCLASTS and FORAMINIFERS Major lithology: White (2.5Y 8/2) CALCAREOUS CHALK with BIOCLASTS and FORAMINIFERS. Sucrosic texture.



SITE 817 HOLE D CORE 18R CORED INTERVAL 417.0-426.7 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										
	R/P ?				not measured		97.1% ●	1	0.5					<p>CALCAREOUS CHALK with BIOCLASTS and FORAMINIFERS and FORAMINIFER LIMESTONE with BIOCLASTS</p> <p>Major lithology: White (2.5Y 8/2) LIMESTONE and DOLOMITE, with BIOCLASTS and FORAMINIFERS. Sucroscopic texture, with vuggy and intercrystalline porosity. Possible glauconite grains. Extensive bioturbation, with vertical and horizontal burrows. Vuggy and biomoldic? porosity locally contains calcite (?) cement. Foraminifer-rich layer Section 1, 75 cm. Below Section 1, 85 cm and in the core-catcher, lithology is a white, less porous and better cemented FORAMINIFER LIMESTONE with BIOCLASTS.</p>

SITE 817 HOLE D CORE 19R CORED INTERVAL 426.7-436.3 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										
	R/P ?				not measured		98.5% ●	1	0.5					<p>DOLOMITIC BIOCLASTIC PACKSTONE and WACKESTONE</p> <p>Major lithology: Light brownish gray (10YR 6/2) DOLOMITIZED BIOCLASTIC PACKSTONE and WACKESTONE. Texture is microcrystalline to submicrocrystalline with vuggy and intercrystalline porosity. Possible glauconite grains. Burrow structures are generally large and have both vertical and horizontal orientations.</p>

SITE 817 HOLE D CORE 20R CORED INTERVAL 436.3-446.0 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										
UPPER LOWER MIOCENE - MIDDLE MIOCENE	R/P CN3 - CN4				not measured		97.2% ●	1						<p>DOLOMITIZED CHALK with BIOCLASTS and FORAMINIFERS</p> <p>Major lithology: Light gray (2.5Y 7/2 to 10YR 7/1), DOLOMITIZED CHALK with FORAMINIFERS and BIOCLASTS; bioturbation is minor to extensive. Sponge spicules are present locally (8-11 cm).</p> <p>Minor lithology: Very pale brown (10YR 7/3) DOLOMITIZED BIOCLASTIC and FORAMINIFER PACKSTONE. Porosity (moldic, intercrystalline, and vuggy) foraminifera up to 20% of core. Sharp contact between packstone and underlying chalk at 32 cm.</p>



SITE 817 HOLE D CORE 21R CORED INTERVAL 446.0-455.7 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											
	R/P ?				NOT MEASURED		96.2%	1						DOLOMITIZED FORAMINIFER CHALK with BIOCLAISTS Major lithology: Light gray (2.5Y 7/2) dolomitized, well-lithified FORAMINIFER CHALK with BIOCLAISTS. Bioturbation is minor to extensive with both vertical and horizontal traces.

SITE 817 HOLE D CORE 22R CORED INTERVAL 455.7-465.3 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											
	R/P ?				NOT MEASURED		99.9%	1						PARTIALLY DOLOMITIC CHALK Major lithology: Light gray (10YR 7/1), PARTIALLY DOLOMITIC CHALK, with local sugrosic texture. Finely laminated darker dolomite at 10 cm. SMEAR SLIDE SUMMARY (%): TEXTURE: Sand 30 Silt 70 COMPOSITION: Dolomite 30 Inorganic calcite 67 Nannofossils 3

SITE 817 HOLE D CORE 23R CORED INTERVAL 465.3-474.9 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS											
	B ?				NOT MEASURED		99.9%	1						DOLOMITIC CHALK and SKELETAL to LITHOCLASTIC RUDSTONE and PACKSTONE Major lithology: Light gray (10YR 7/1) DOLOMITIC CHALK. Bioturbation is locally extensive. Minor lithology: BIOCLASTIC and LITHOCLASTIC RUDSTONE to PACKSTONE with dolomitized chalk matrix. Matrix color varies from white (10YR 8/1) to light gray (2.5Y 7/1). Clasts vary in size up to 1 cm and include siliciclastics sand, fragment of coral boundstone, and skeletal material (benthic foraminifers, corallineans(?), bryozoans and bivalves.



SITE 817 HOLE D CORE 24R CORED INTERVAL 474.9-484.5 mbsf

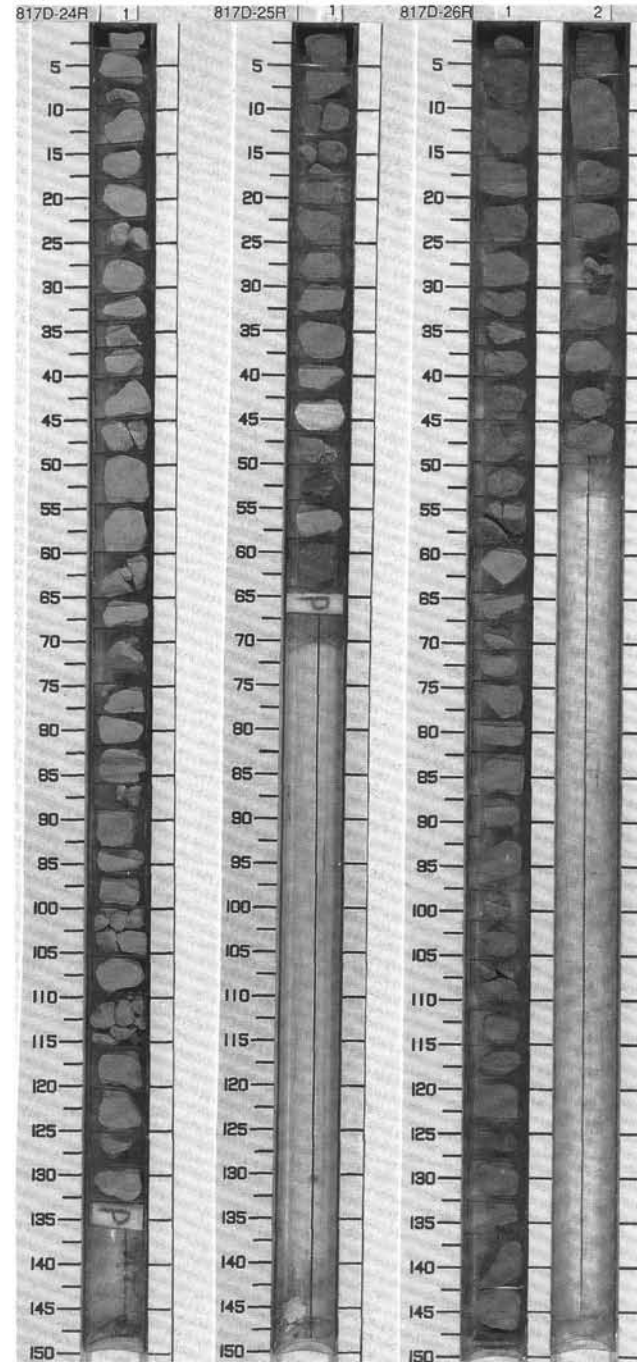
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS										
				not measured		98.0% ●	1	0.5					PARTIALLY DOLOMITIC BIOCLASTIC PACKSTONE and GRAINSTONE Major lithology: Light-gray (10YR 7/1), partially DOLOMITIC BIOCLASTIC PACKSTONE to GRAINSTONE. Recognizable skeletal allochems include benthic forams and bivalves; dolomitization may have destroyed macrofabric. Gray (10YR 6/1), thin interbeds (1-2 cm thick) at about 83 and 130 cm contain sand-sized, rounded siliciclastic grains.

SITE 817 HOLE D CORE 25R CORED INTERVAL 484.5-494.2 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										
				not measured		99.6% ●	1						PARTIALLY DOLOMITIC SKELETAL PACKSTONES to GRAINSTONE, and LITHOCLASTIC RUDSTONE Major lithology: Light gray (10YR 7/1), partially DOLOMITIC, BIOCLASTIC PACKSTONE and GRAINSTONE from 0-42 cm and below 54 cm. Minor lithology: LITHOCLASTIC RUDSTONE to FLOATSTONE within a light gray (10YR 7/1) partially dolomitized chalk from 42-54 cm. Individual rock pieces contain millimeters to centimeters size dolomitic lithoclasts, of FORAMINIFER-CORALLINE PACKSTONE, CHALK, and DOLOMITIZED CHALK?

SITE 817 HOLE D CORE 26R CORED INTERVAL 494.2-503.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS										
UPPER LOWER MIOCENE - MIDDLE MIOCENE				not measured		98.3% ●	1	0.5					MICROCRYSTALLINE DOLOMITE to DOLOMITIC PACKSTONE Major lithology: Light gray (2.5Y 7/2), locally light brownish gray (2.5Y 6/2). MICROCRYSTALLINE DOLOMITE to DOLOMITIC BIOCLASTIC(?) PACKSTONE. Pervasive dolomitization appears to have destroyed matrix fabric as well as the structure of many of the clasts. The latter could be skeletal in origin but may also be pre-existing dolomitized lithoclasts. Recognized allochems, however, include bioclasts (planktonic and benthic foraminifers, some large). Bioturbation mottling and some discrete burrows are present throughout. Diffuse dark laminations in Section 1, 25-58 cm. Porosity is variable, but commonly well developed; including moldic? to vuggy, and intercrystalline, and interparticle.

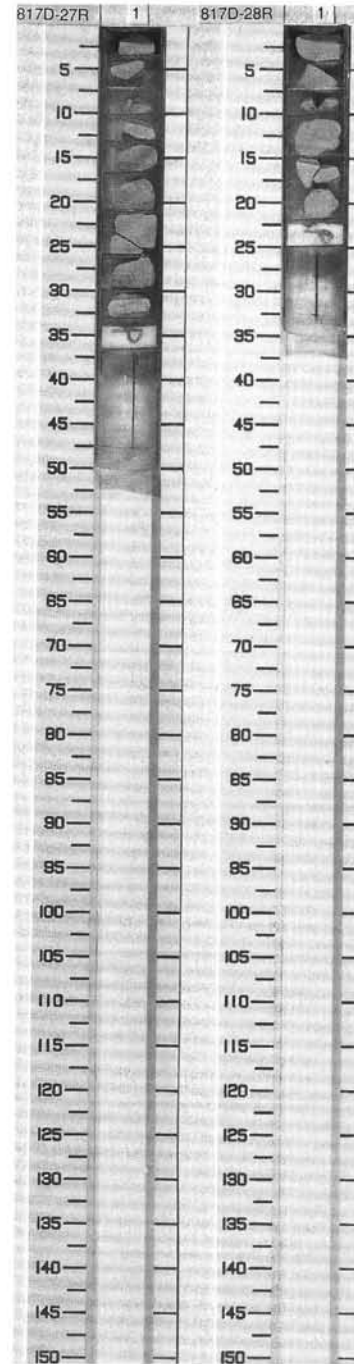


SITE 817 HOLE D CORE 27R CORED INTERVAL 503.8-512.6 mbsf


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										
			R/P ?		not measured		98.5%	1				PAL		<p>PARTIALLY DOLOMITIC FORAMINIFER PACKSTONE to BIOCLASTIC RUDSTONE</p> <p>Major lithology: Light-gray (5Y 7/1), well-lithified DOLOMITIC FORAMINIFER PACKSTONE from 0-13 cm; both planktonic and large benthic foraminifers are present. Pyrite and glauconite are present.</p> <p>Minor lithology: Light-gray (5Y 7/1), partially dolomitized WELL-LITHIFIED BIOCLASTIC RUDSTONE to PACKSTONE from 13-34 cm. Skeletal allochems include planktonic foraminifers, large and small benthic foraminifers, and indeterminate shell debris. Pyrite and glauconite are present in trace amounts.</p>

SITE 817 HOLE D CORE 28R CORED INTERVAL 512.6-522.3 mbsf

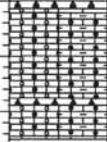
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAUPOFOSSILS	RADIOLARIANS	DIATOMS										
UPPER LOWER MIOCENE - MIDDLE MIOCENE		R/P CN3 - CN4			not measured			1				PAL		<p>DOLOMITIC BIOCLASTIC GRAINSTONE</p> <p>Major lithology: Light-gray (2Y 7/2), well-lithified, DOLOMITIC BIOCLASTIC GRAINSTONE with bioturbation mottling, and trace of glauconite grains.</p>

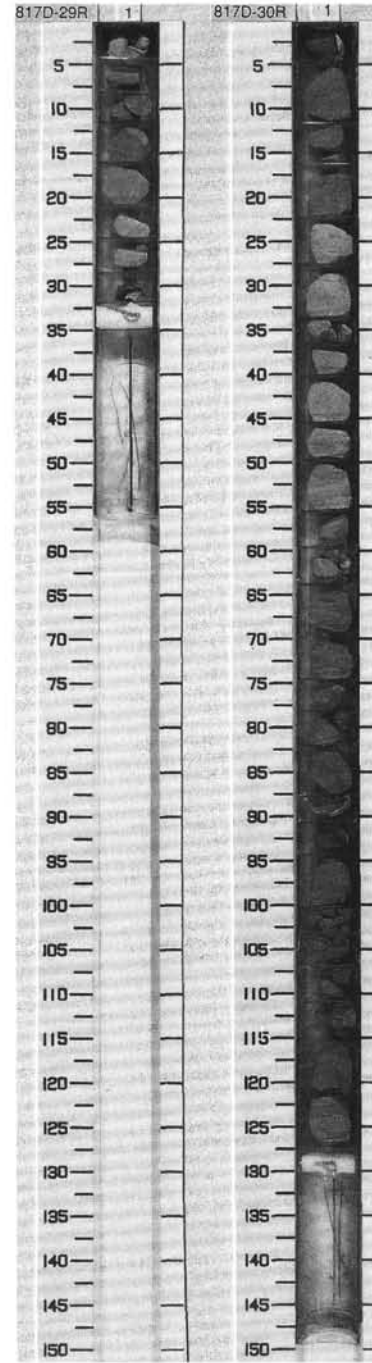


SITE 817 HOLE D CORE 29R CORED INTERVAL 522.3-532.0 mbsf

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									
UPPER LOWER MIOCENE - MIDDLE MIOCENE		R/P CN3 - CN4		not measured		96.1%	1					<p>PARTIALLY DOLOMITIC well-lithified WACKESTONE</p> <p>Major lithology: Light brownish gray (2.5Y 6/2), well-lithified DOLOMITIC CALCAREOUS WACKESTONE with burrows and wavy laminations, from 0-10 cm.</p> <p>Minor lithology: White (2.5Y 8/2), DOLOMITIC CALCAREOUS WACKESTONE to PACKSTONE, from 10-28 cm, with laminations, burrows, and minor dolomite and glauconite. A CHERT concretion occurs at the base of the section.</p>

SITE 817 HOLE D CORE 30R CORED INTERVAL 532.0-541.6 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 LOWER MIOCENE - MIDDLE MIOCENE		R/P CN3 - CN4		not measured			1	0.5 1.0				<p>DOLOMITIC BIOCLASTIC WACKESTONE to PACKSTONE</p> <p>Major lithology: (Section 1, 5-22 cm and 64-132 cm); Light brownish gray (2.5Y 6/2), lithified DOLOMITIC BIOCLASTIC WACKESTONE to PACKSTONE, locally burrowed and well-laminated.</p> <p>(Section 1, 22-60 cm); White (2.5Y 8/2), lithified CALCAREOUS WACKESTONE to PACKSTONE with minor dolomite and glauconite.</p> <p>Minor lithology: (Section 1, 1-5 cm, 87-93 cm); Dark grayish-brown (2.5Y 4.2) CHERT concretions within dolomitized wackestone.</p>

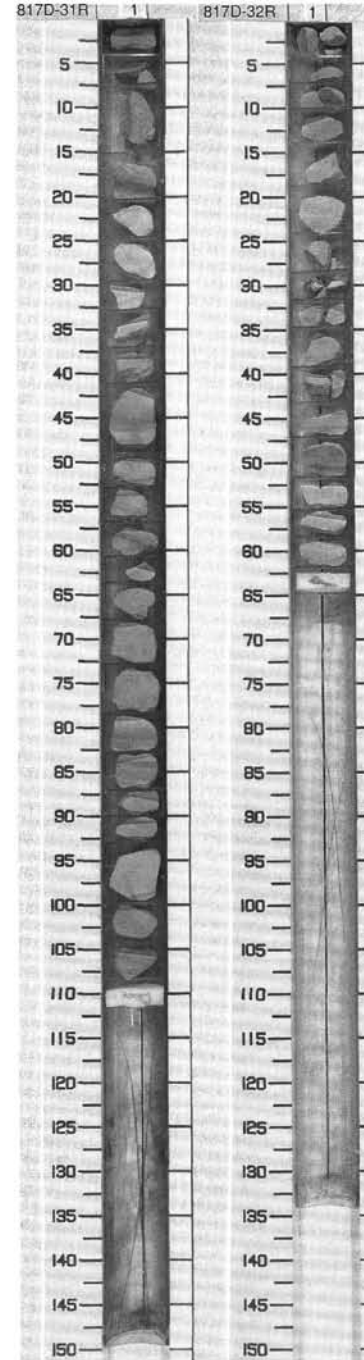


SITE 817 HOLE D CORE 31R CORED INTERVAL 541.6-551.2 mbsf

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									
		R/P ?		not measured			1	0.5 1.0			*	<p>DOLOMITIC MUDSTONE to GRAINSTONE</p> <p>Major lithology: Light brownish-gray (2.5Y 6/2), DOLOMITIC MUDSTONE to GRAINSTONE. Textures vary from massive, highly bioturbated, to well-laminated. Allochems include foraminifers, lithoclasts, and possible shell material. Biogenic (foraminifer) to vuggy porosity is present. Glauconite occurs below 63 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: center;">1, 15 D</p> <p>COMPOSITION:</p> <p>Apatite 2 Calcite 20 Dolomite 15 Micrite 43 Nannofossils 20</p>

SITE 817 HOLE D CORE 32R CORED INTERVAL 551.2-560.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS DIATOMS									
UPPER LOWER MIOCENE - MIDDLE MIOCENE		R/P CN3 - CN4		not measured			1	0.5				<p>DOLOMITIC FORAMINIFER PACKSTONE</p> <p>Major lithology: White (10YR 8/1), DOLOMITIC FORAMINIFER PACKSTONE with moldic porosity after foraminifers except below 47 cm. Predominately massive except from 28-30 cm where dark laminations appear.</p>



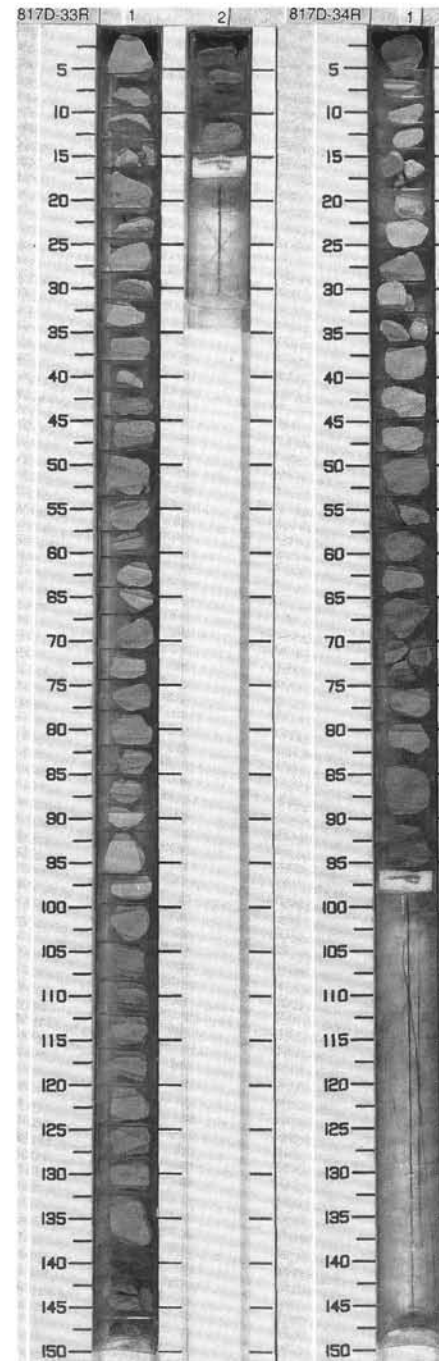
SITE 817 HOLE D CORE 33R CORED INTERVAL 560.9-570.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAUFOSSILS	RADIOLARIANS	DIATOMS										
UPPER LOWER MIOCENE - MIDDLE MIOCENE	R/P	CB3 - CN4			not measured		● 102.7%	1 2	0.5 1.0					<p>DOLOMITIC BIOCLASTIC PACKSTONE to GRAINSTONE</p> <p>Major lithology: White (2.5Y 8/1), lithified DOLOMITIC BIOCLASTIC PACKSTONE. Vertical changes in porosity result in light to more porous interparticle and intercrystalline bands; variations in bioturbation and laminations cause color variations from white to darker zones. Glauconite is present between 40 and 48 cm and 67 and 85 cm, with color changing to light brownish gray (2.5Y 6/2).</p> <p>Minor lithology: (Section 1, 140-150 cm); Grayish brown (2Y 5/2) to olive brown (2.5Y 5/4) DOLOMITIC PACKSTONE AND WACKSTONE with glauconite.</p>

SITE 817 HOLE D CORE 34R CORED INTERVAL 570.2-579.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAUFOSSILS	RADIOLARIANS	DIATOMS										
UPPER LOWER MIOCENE - MIDDLE MIOCENE	R/P	CN3 - CN4			not measured		● 98.4%	1	0.5					<p>DOLOMITIC SKELETAL GRAINSTONE to RUDSTONE and SUCROSIC DOLOMITE</p> <p>Major lithology: (2.5-48 cm); white to light gray (2.5Y 8/0 to 2.5Y 7/0), normally graded DOLOMITIC FORAMINIFER RUDSTONE to PACKSTONE and GRAINSTONE. Finer grained rocks consists largely of planktonic foraminifers whereas rudstones contain large benthic foraminifers. Glauconite and pyrite occur locally within skeletal tests.</p> <p>Minor lithology: At 0-2.5 cm and 48-96 cm, light brownish gray (2.5Y 6/2) LITHIFIED SUCROSIC DOLOMITE with moderately bioturbated (horizontal burrows) to laminated interbeds. Contact with FORAMINIFER PACKSTONES at 2.5 cm is abrupt.</p>

817D 35R NO RECOVERY



817D 36R NO RECOVERY

SITE 817 HOLE D CORE 37R CORED INTERVAL 599.1-608.7 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	?											
						NOT MEASURED	99.3%	1							<p>DOLOMITIC FORAMINIFER WACKESTONE</p> <p>Major lithology: Light gray (2.5Y 7/2), lithified DOLOMITIC FORAMINIFER WACKESTONE with irregular laminations and bioturbation.</p>

SITE 817 HOLE D CORE 38R CORED INTERVAL 608.7-618.4 mbsf

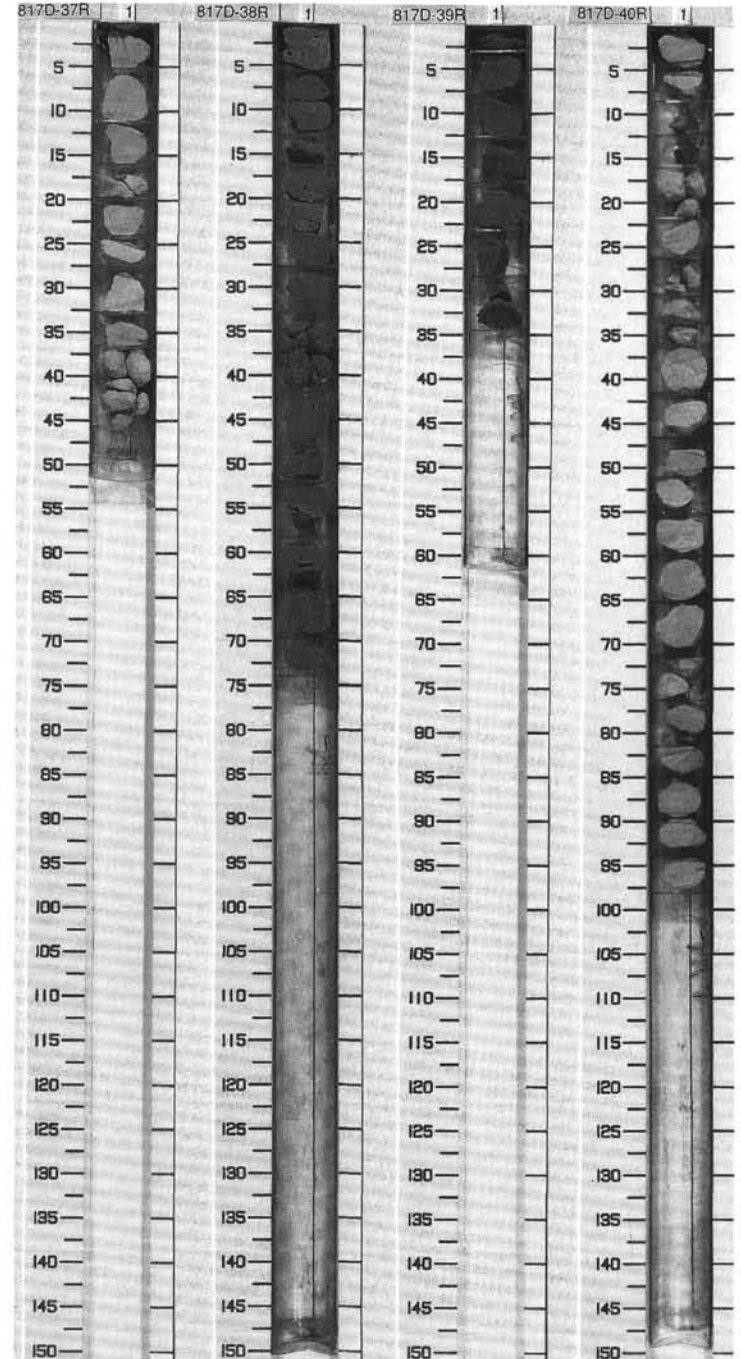
TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS												
						NOT MEASURED	106.7%	1	0.5						<p>SUCROSIC LITHIFIED DOLOMITE</p> <p>Major lithology: Yellowish brown (10YR 5/6), well-lithified SUCROSIC DOLOMITE with vuggy porosity.</p>

SITE 817 HOLE D CORE 39R CORED INTERVAL 618.4-628.1 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	DIATOMS	D											
						NOT MEASURED	106.3%	1							<p>SUCROSIC DOLOMITE</p> <p>Major lithology: Yellowish brown (10YR 5/6), lithified, SUCROSIC DOLOMITE with vuggy porosity and diffuse dark patches which may indicate bioturbation.</p>

SITE 817 HOLE D CORE 40R CORED INTERVAL 628.1-637.7 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	R/P ?											
						NOT MEASURED	99.8%	1	0.5						<p>MICROCRYSTALLINE DOLOMITE</p> <p>Major lithology: Light gray (2.5Y 7/2), MICROCRYSTALLINE DOLOMITE with alternating well-laminated and bioturbated interbeds. Some planktonic fauna may be present. Yellowish-brown (10YR 5/6), vuggy dolomite from 10-12 cm probably represents downhole contamination.</p> <p>Minor lithology: Dark grayish-brown (2.5Y 3/2) chert. May be downhole contamination.</p>



SITE 817 HOLE D CORE 41R CORED INTERVAL 637.7-647.4 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											
					NOT MEASURED		99.1%	1					PAL	MICROCRYSTALLINE to SUCROSIC DOLOMITE Major lithology: Light gray (2.5Y 7/2) lithified MICROCRYSTALLINE DOLOMITE with FORAMINIFERS (planktonic). Laminated and bioturbated interbeds are present. Minor lithology: Pale yellow (2.5Y 7/4) SUCROSIC DOLOMITE with laminated and bioturbated interbeds.

SITE 817 HOLE D CORE 42R CORED INTERVAL 647.4-657.1 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	DIATOMS											
		R/P ?			NOT MEASURED		103.9%	1	0.5					Medium to coarse CRYSTALLINE DOLOMITE Major lithology: White (2.5 B/2), well lithified to friable, medium to coarse SUCROSIC DOLOMITE, with locally discernable skeletal constituents (largely planktonic foraminifers). Minor lithology: White (10YR 8/2) SUCROSIC DOLOMITE to partially CALCAREOUS DOLOMITE, from 0-10 cm. Phosphatized bioclasts (foraminifers and bryozoans?) and glauconite lithoclasts occur in top 5 cm.

SITE 817 HOLE D CORE 43R CORED INTERVAL 657.1-666.8 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS											
					NOT MEASURED									COARSE CRYSTALLINE DOLOMITE Major lithology: White (10YR 8/2), well-lithified, coarsely crystalline DOLOMITE preserving no original fabric. Trace amounts of glauconite and phosphatized fragments of indeterminate origin.

817D 44R NO RECOVERY
817D 45R NO RECOVERY
817D 46R NO RECOVERY
817D 47R NO RECOVERY

