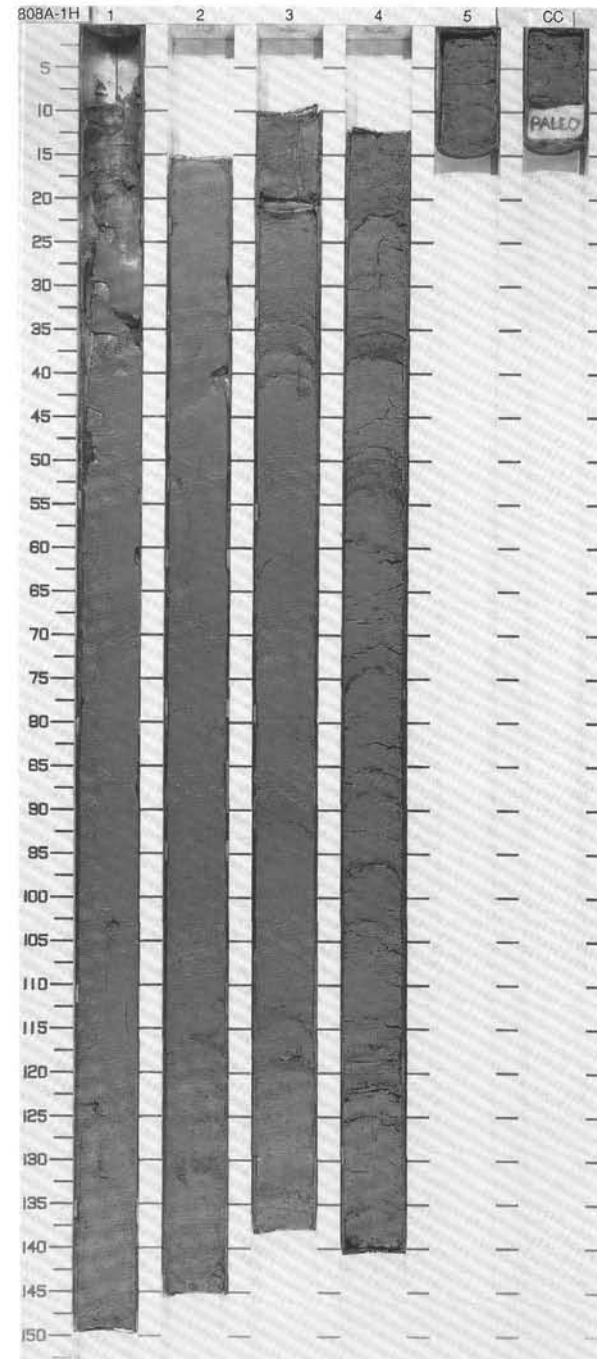
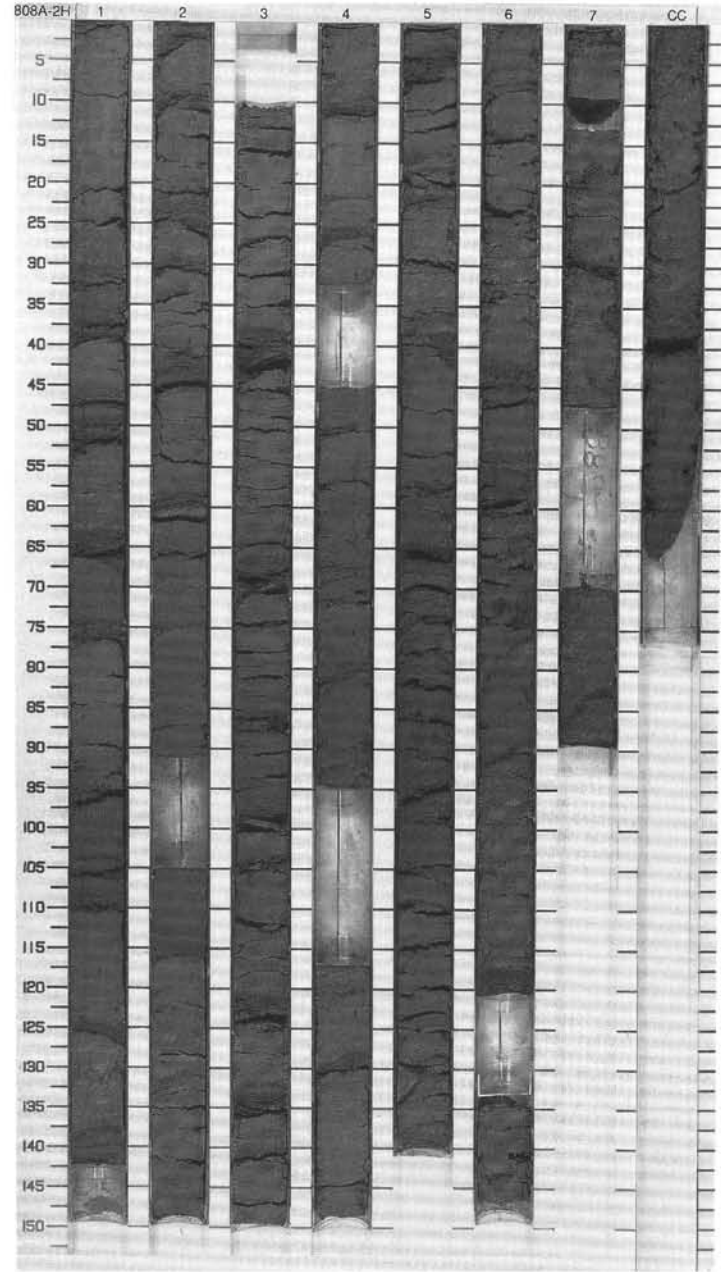


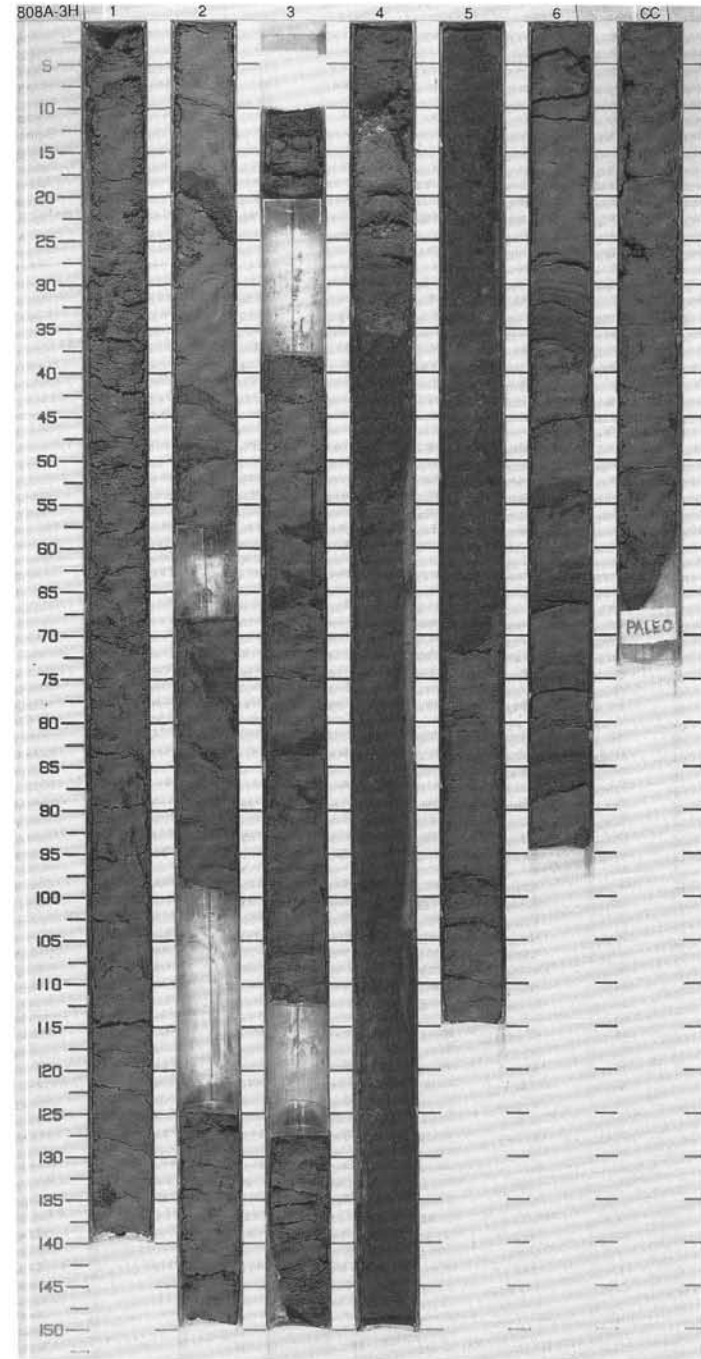
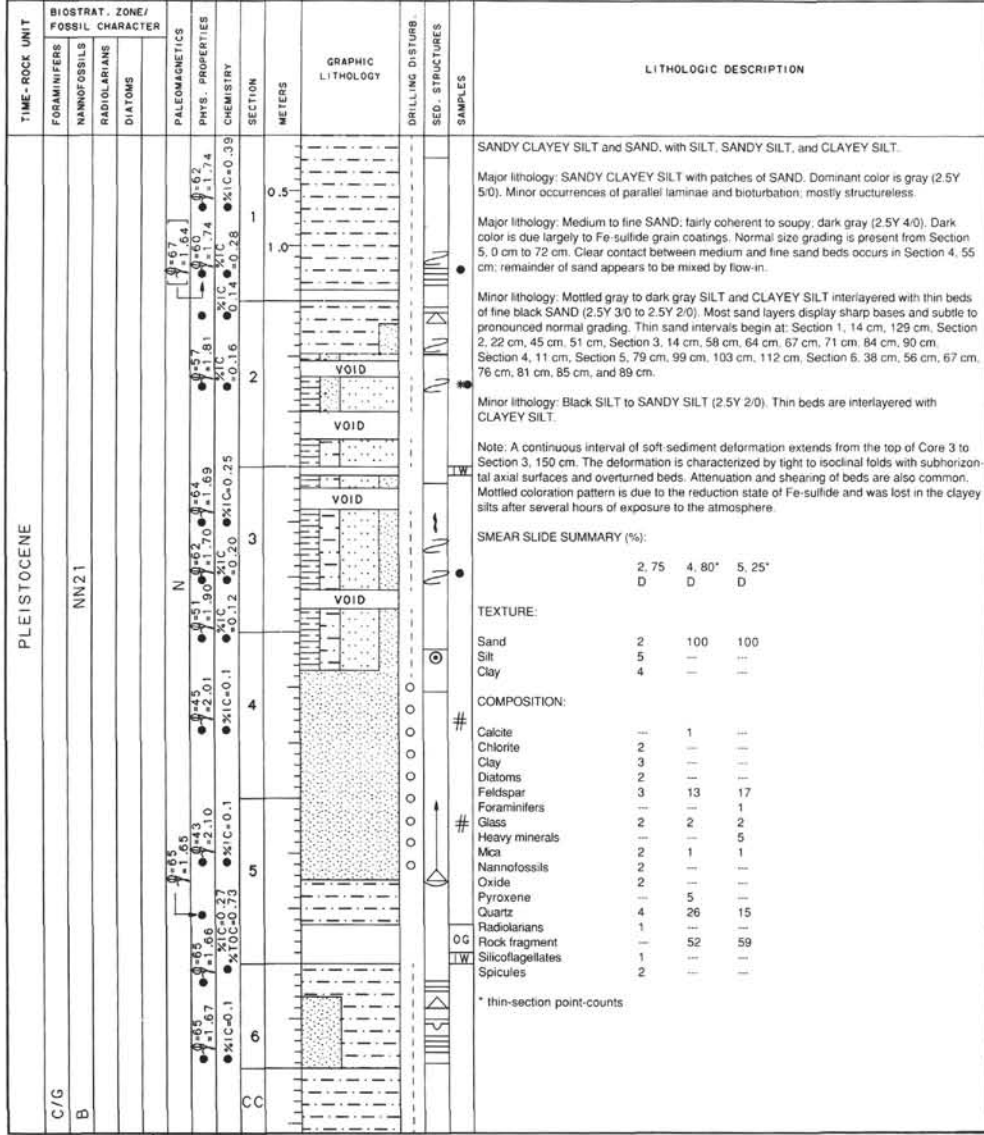
Information on Core Description Forms, for ALL sites, represents field notes taken aboard ship. Some of this information has been refined in accord with post-cruise findings, but production schedules prohibit definitive correlation of these forms with subsequent findings. Thus, the reader should be alerted to the occasional ambiguity or discrepancy.



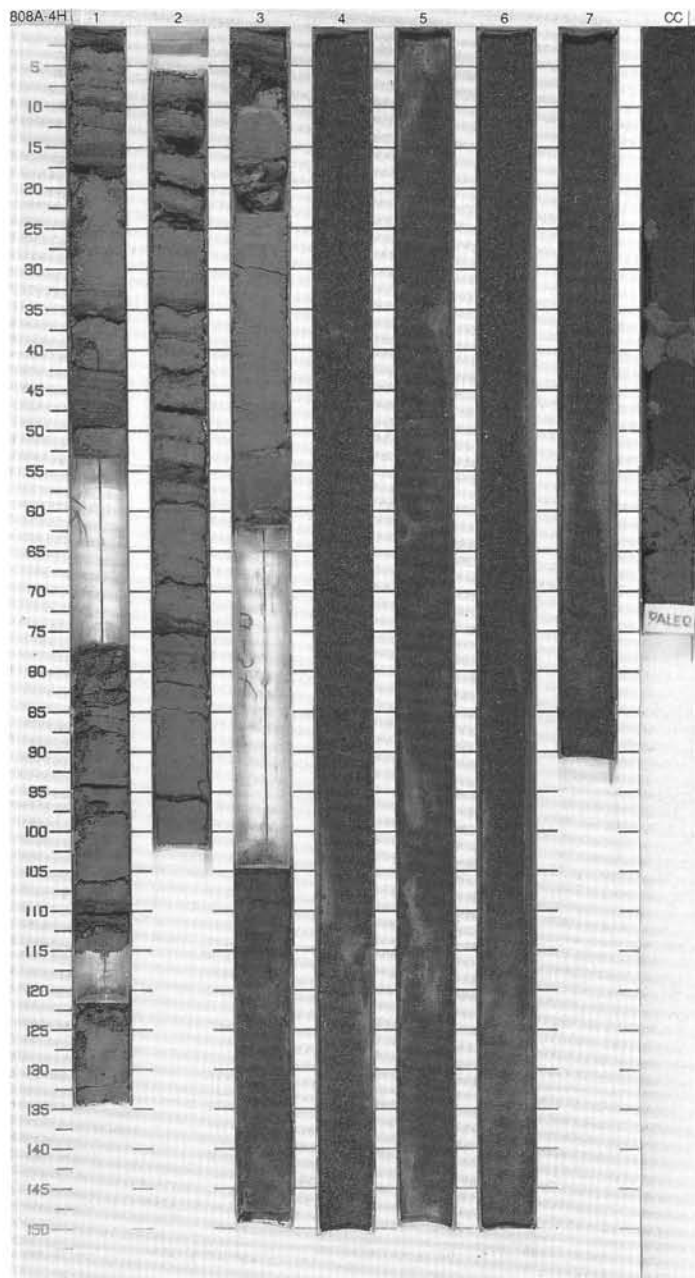
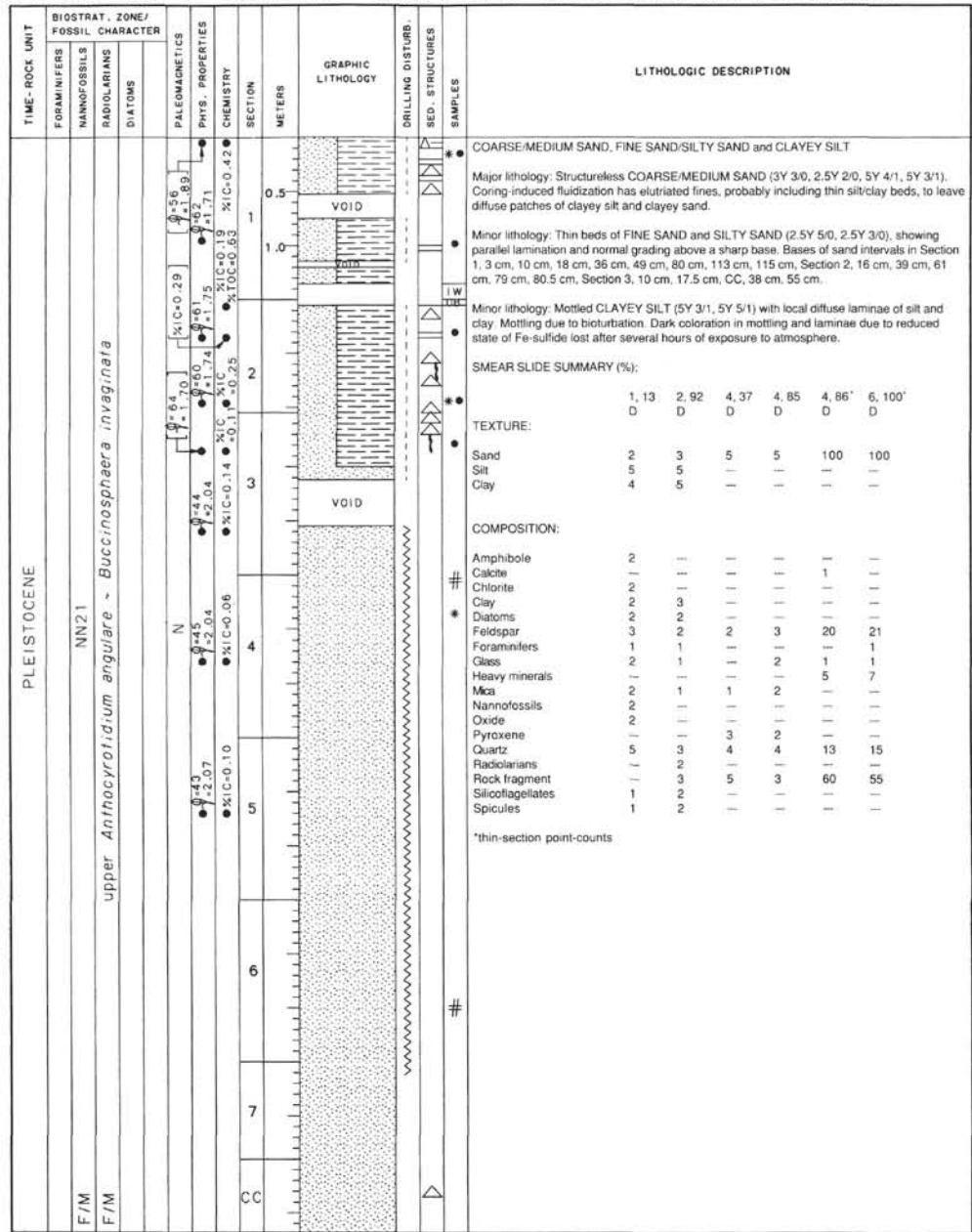
SITE 808 HOLE A CORE 2H CORED INTERVAL 4682.3-4691.8 mbsf; 6.3-15.8 mbsf

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														
PLEISTOCENE	C/G	B	N	NV21	1.60	1.80	1.51	0.65	1.71	0.21	0.21	0.21	0.21	CLAYEY SILT, FINE SAND, and SANDY CLAYEY SILT				
														Major lithology: Thin inter-beds of CLAYEY SILT, FINE SAND, and SANDY CLAYEY SILT. Clayey silt is gray to dark gray (2.5Y 5/0 to 2.5Y 4/0); sand layers are darker gray (2.5Y 3/0) and typically display sharp bases, normal size grading, and parallel laminae as they pass upward into silt and clayey silt. Typical Bouma sequences are T _{abc} .				
														Bases of sand intervals are located at: Section 1, 40 cm, 53 cm, 67 cm, 77 cm, 97 cm, 110 cm, 127 cm. Section 2, 4 cm, 11 cm, 25 cm, 31 cm, 45 cm, 60 cm, 115 cm. Section 3, 46 cm, 73 cm, 88 cm, 98 cm, 105 cm, 124 cm, 136 cm. Section 4, 12 cm, 27 cm, 51 cm, 57 cm, 69 cm, 82 cm, 131 cm. Section 5, 18 cm, 26 cm, 34 cm, 51 cm, 67 cm, 77 cm. Section 6, 48 cm, 60 cm, 90 cm, 122 cm. Section 7, 30 cm, 35 cm, 42 cm, and 84 cm.				
														Minor lithology: Homogeneous SANDY CLAYEY SILT; structureless or mottled by bioturbation; gray (2.5Y 5/0).				
														Minor lithology: Homogeneous CLAYEY SILT; structureless; dark gray (2.5Y 4/0).				
														Note: Overturned beds, shearing, bedding attenuation, and small-scale, tight to isoclinal folds with subhorizontal axial surfaces are present within a continuous interval that begins in Section 5, 38 cm, and extends to the base of the core.				
														Note: The entire core was affected significantly by gas expansion; intervals on archive half may not match those of working half because spaces were not inserted in a uniform manner. Also, dark coloration due to reduced state of Fe-sulfide was quickly lost as cores were exposed to the atmosphere.				
														SMEAR SLIDE SUMMARY (%):				
															1, 122	2, 137	5, 15	6, 50
															D	D	M	D
														TEXTURE:				
														Sand	1	-	4	2
														Silt	5	5	5	5
														Clay	4	4	3	2
														COMPOSITION:				
														Accessory minerals	4	2	-	-
														Amphibole	-	-	3	-
														Calcite	-	-	1	1
														Chlorite	-	-	1	2
														Clay	3	4	-	-
														Diatoms	2	2	-	2
Feldspar	4	3	4	4														
Foraminifers	1	-	2	1														
Mica	-	-	2	-														
Nannofossils	3	1	-	1														
Oxide	-	-	2	1														
Quartz	3	3	4	2														
Radiolarians	1	-	-	-														
Rock fragment	-	-	3	-														
Spicules	2	-	1	1														



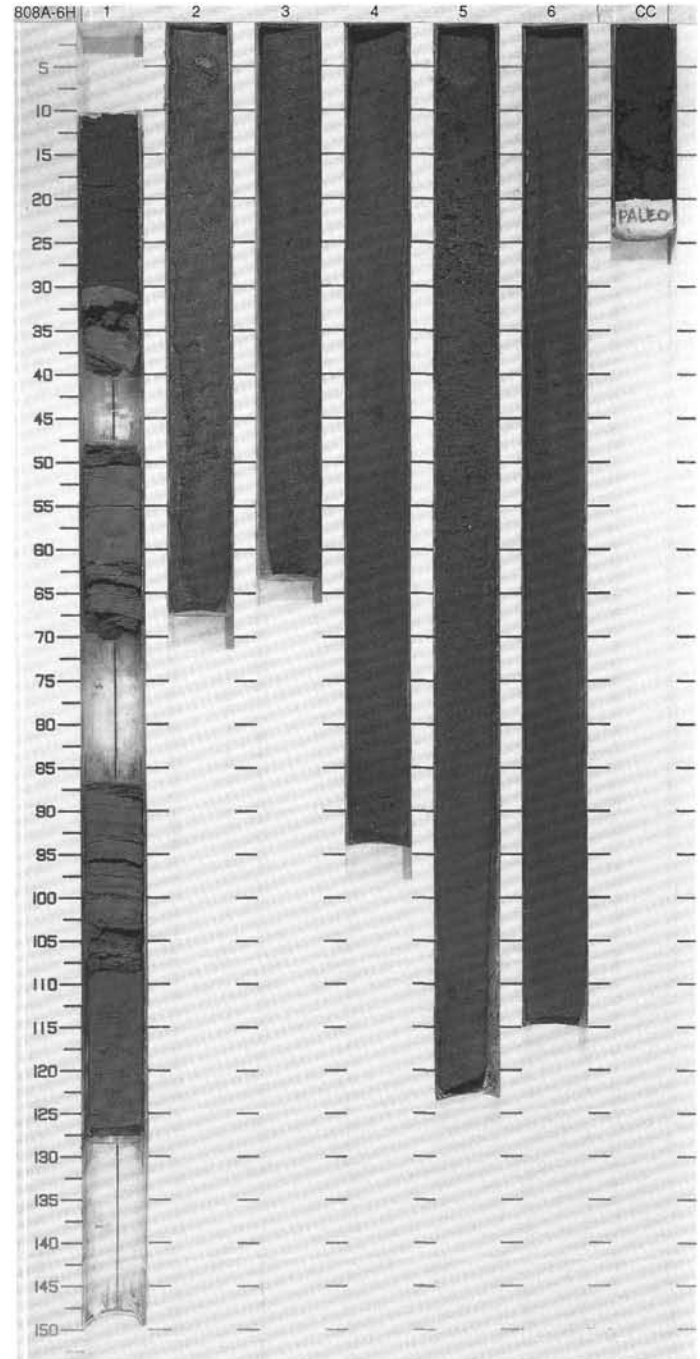


SITE 808 HOLE A CORE 4H CORED INTERVAL 4701.3-4710.8 mbsl; 25.3-34.8 mbsf



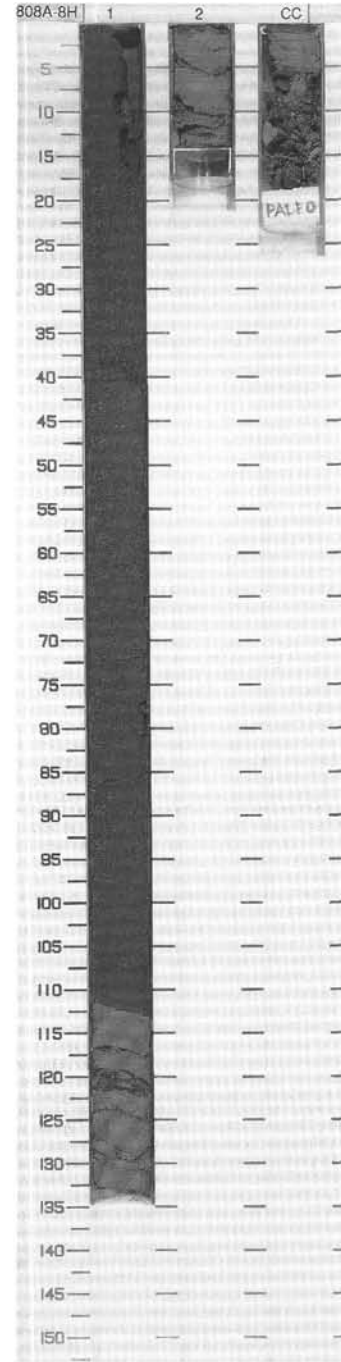
SITE 808 HOLE A CORE 6H CORED INTERVAL 4720.3-4729.8 mbsl; 44.3-53.8 mbsf

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																
PLEISTOCENE	C/G	NN21	B		● $\delta = 5.9$			VOID				*	FINE SAND and CLAYEY SILT							
				● $\delta = 4.1$			VOID						*#	Major lithology: Structureless FINE SAND (range medium to very fine) in medium to very thick beds (5Y 4/1, 5Y 5/1, 5Y 6/1). Base of medium-bedded sand intervals at Section 1, 30 cm, 128 cm. Very thick sand intervals probably represents several discrete beds with primary contacts destroyed by fluidization during coring.						
				● $\delta = 3.9$			VOID								Minor lithology: Mottled CLAYEY SILT (5Y 6/1). Mottling due to bioturbation.					
				● $\delta = 4.1$			VOID								SMEAR SLIDE SUMMARY (%):					
				● $\delta = 4.0$											1, 15 D	1, 50 D	3, 25 D	4, 54* D	4, 70 D	4, 70* D
				● $\delta = 2.13$												TEXTURE:				
	● $\delta = 2.08$												Sand	5	2	5	100	5	100	
	● $\delta = 0.39$												Silt	2	5	3	-	3	-	
	● $\delta = 0.15$												Clay	1	5	2	-	1	-	
													COMPOSITION:							
													Calcite	-	-	-	1	-	-	
													Chlorite	-	-	1	-	-		
													Clay	-	-	2	-	-		
													Diatoms	2	-	4	-	-		
													Feldspar	3	2	2	13	4	21	
													Foraminifers	1	1	-	-	1	-	
													Glass	2	-	2	1	2	2	
													Heavy minerals	-	-	-	4	-	5	
													Mica	-	-	-	1	-		
													Nannofossils	-	-	-	-	-		
													Oxide	1	-	-	-	-		
													Quartz	2	4	18	4	16		
													Rock fragment	5	5	63	3	55		
													Silicoflagellates	1	-	-	-	-		
													Spicules	2	-	-	-	-		
													*thin-section point-counts							



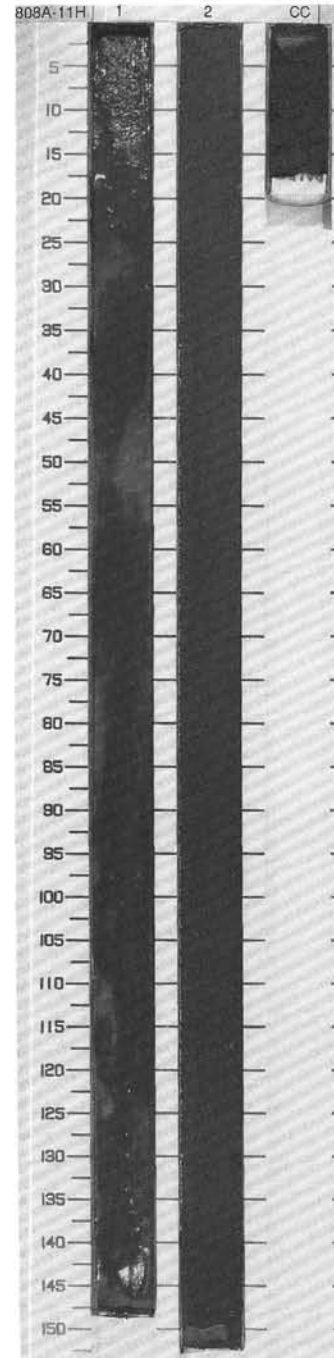
SITE 808 HOLE A CORE 8H CORED INTERVAL 4739.3-4744.3 mbsl; 63.3-68.3 mbsf

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																																																																
PLEISTOCENE		NN21			0.38 0.12 0.15 0.59 1.80 0.33 0.32 0.09	XIC XIC %TOC		0.5 1.0				# IW	<p>FINE/COARSE SAND and CLAYEY SILT</p> <p>Major lithology: Structureless FINE/COARSE SAND in thick interval (5Y 4/1). Base of sand interval at Section 1, 112 cm. Thick sand interval probably represents at least two discrete beds as seen by abrupt grain-size change from fine to coarse sand upwards at Section 1, 40 cm.</p> <p>Minor lithology: Mottled CLAYEY SILT (5Y 5/1). Mottling due to bioturbation.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 34*</td> <td>1, 127</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>100</td> <td>1</td> </tr> <tr> <td>Silt</td> <td>—</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>—</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Amphibole</td> <td>—</td> <td>1</td> </tr> <tr> <td>Chlorite</td> <td>—</td> <td>1</td> </tr> <tr> <td>Clay</td> <td>—</td> <td>3</td> </tr> <tr> <td>Diatoms</td> <td>—</td> <td>1</td> </tr> <tr> <td>Feldspar</td> <td>20</td> <td>4</td> </tr> <tr> <td>Foraminifers</td> <td>1</td> <td>—</td> </tr> <tr> <td>Glass</td> <td>1</td> <td>—</td> </tr> <tr> <td>Heavy minerals</td> <td>6</td> <td>—</td> </tr> <tr> <td>Nannofossils</td> <td>—</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>18</td> <td>3</td> </tr> <tr> <td>Radiolarians</td> <td>—</td> <td>2</td> </tr> <tr> <td>Rock fragment</td> <td>54</td> <td>2</td> </tr> <tr> <td>Silicoflagellates</td> <td>—</td> <td>1</td> </tr> </table> <p>*thin-section point count</p>		1, 34*	1, 127		D	D	Sand	100	1	Silt	—	5	Clay	—	4	Amphibole	—	1	Chlorite	—	1	Clay	—	3	Diatoms	—	1	Feldspar	20	4	Foraminifers	1	—	Glass	1	—	Heavy minerals	6	—	Nannofossils	—	2	Quartz	18	3	Radiolarians	—	2	Rock fragment	54	2	Silicoflagellates	—	1
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TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																
	FORAMINIFERS	NANOFOSSILS											RADIOLARIANS	DIAZONIS																																														
PLEISTOCENE		NN20		● 4.6 ● 6.0 ● 8.1 ● 10.2			0.5 1.0		○	↑	*	<p>MEDIUM SAND to SILTY SAND</p> <p>Major lithology: The entire core consists of dark gray (2.5Y 3/0) SAND and SILTY SAND. The sediment is normally graded from medium to fine sand over the length of the core and, thus, could represent a single thick turbidite deposit. This grading, however, could also be due to handling of the water-saturated sample. No internal structures are preserved. Mud lumps are present in Section 2, 150 cm, and CC, 3 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 25</td> <td>2, 100'</td> </tr> <tr> <td></td> <td>0</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>5</td> <td>100</td> </tr> <tr> <td>Silt</td> <td>3</td> <td>—</td> </tr> <tr> <td>Clay</td> <td>1</td> <td>—</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Amphibole</td> <td>2</td> <td>—</td> </tr> <tr> <td>Chlorite</td> <td>2</td> <td>—</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>21</td> </tr> <tr> <td>Foraminifers</td> <td>—</td> <td>1</td> </tr> <tr> <td>Glass</td> <td>—</td> <td>1</td> </tr> <tr> <td>Heavy minerals</td> <td>—</td> <td>7</td> </tr> <tr> <td>Mica</td> <td>—</td> <td>1</td> </tr> <tr> <td>Oxide</td> <td>1</td> <td>—</td> </tr> <tr> <td>Pyroxene</td> <td>2</td> <td>—</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>16</td> </tr> <tr> <td>Rock fragment</td> <td>4</td> <td>53</td> </tr> </table> <p>*thin-section point-count</p>		1, 25	2, 100'		0	D	Sand	5	100	Silt	3	—	Clay	1	—	Amphibole	2	—	Chlorite	2	—	Feldspar	3	21	Foraminifers	—	1	Glass	—	1	Heavy minerals	—	7	Mica	—	1	Oxide	1	—	Pyroxene	2	—	Quartz	3	16	Rock fragment	4	53
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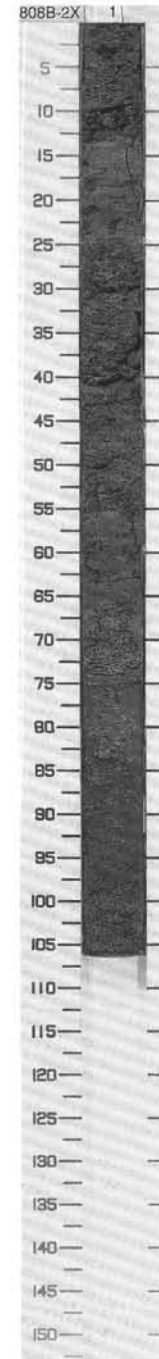
808A 12H NO RECOVERY



808B 1X NO RECOVERY

SITE 808 HOLE B CORE 2X CORED INTERVAL 4794.8-4804.5 mbsl; 120.6-130.3 mbsf

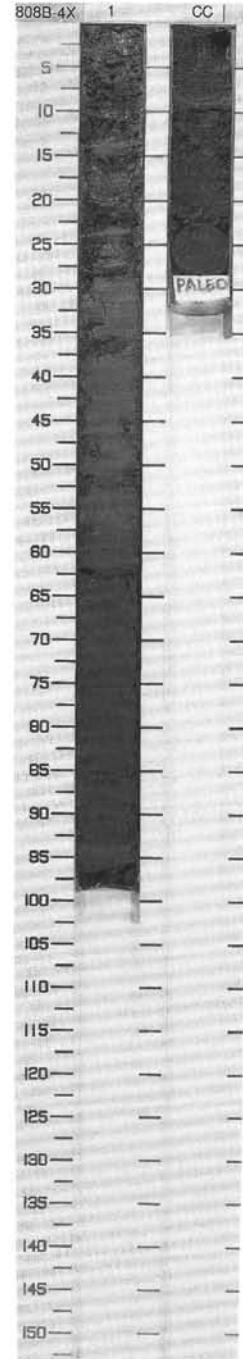
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER	FORAMINIFERS	NAUFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																																																														
PLEISTOCENE			NN20						1	0.5 1.0					<p>CLAYEY SILT, CLAY and ASH</p> <p>Major lithology: CLAYEY SILT (2.5Y 3/0) in structureless intervals with rare, diffuse, dark (2.5Y 2/0) sub-mm laminae.</p> <p>Minor lithology: Volcanic ASH in Section 1, 79-83 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <thead> <tr> <th></th> <th>1, 15</th> <th>1, 55</th> <th>1, 57</th> <th>1, 70</th> <th>1, 80</th> </tr> <tr> <th></th> <th>D</th> <th>D</th> <th>D</th> <th>M</th> <th>M</th> </tr> </thead> <tbody> <tr> <td>TEXTURE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sand</td> <td>—</td> <td>1</td> <td>4</td> <td>1</td> <td>—</td> </tr> <tr> <td>Silt</td> <td>5</td> <td>5</td> <td>5</td> <td>4</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>3</td> <td>2</td> <td>5</td> <td>2</td> </tr> <tr> <td>COMPOSITION:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Amphibole</td> <td>1</td> <td>2</td> <td>2</td> <td>—</td> <td>—</td> </tr> <tr> <td>Calcite</td> <td>1</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> </tr> <tr> <td>Chlorite</td> <td>1</td> <td>—</td> <td>—</td> <td>1</td> <td>1</td> </tr> <tr> <td>Diatoms</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Glass</td> <td>—</td> <td>—</td> <td>—</td> <td>5</td> <td>5</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>2</td> <td>2</td> <td>1</td> <td>1</td> </tr> <tr> <td>Nannofossils</td> <td>—</td> <td>—</td> <td>2</td> <td>3</td> <td>3</td> </tr> <tr> <td>Oxide</td> <td>1</td> <td>1</td> <td>2</td> <td>1</td> <td>1</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Radiolarians</td> <td>1</td> <td>1</td> <td>1</td> <td>—</td> <td>—</td> </tr> <tr> <td>Rock fragment</td> <td>2</td> <td>2</td> <td>2</td> <td>—</td> <td>1</td> </tr> <tr> <td>Silicoflagellates</td> <td>1</td> <td>1</td> <td>2</td> <td>—</td> <td>—</td> </tr> <tr> <td>Spicules</td> <td>1</td> <td>1</td> <td>2</td> <td>2</td> <td>—</td> </tr> </tbody> </table>		1, 15	1, 55	1, 57	1, 70	1, 80		D	D	D	M	M	TEXTURE:						Sand	—	1	4	1	—	Silt	5	5	5	4	5	Clay	2	3	2	5	2	COMPOSITION:						Amphibole	1	2	2	—	—	Calcite	1	—	2	—	—	Chlorite	1	—	—	1	1	Diatoms	2	2	2	2	2	Feldspar	3	3	3	2	2	Glass	—	—	—	5	5	Mica	2	2	2	1	1	Nannofossils	—	—	2	3	3	Oxide	1	1	2	1	1	Quartz	3	3	2	2	2	Radiolarians	1	1	1	—	—	Rock fragment	2	2	2	—	1	Silicoflagellates	1	1	2	—	—	Spicules	1	1	2	2	—
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Nannofossils	—	—	2	3	3																																																																																																																																								
Oxide	1	1	2	1	1																																																																																																																																								
Quartz	3	3	2	2	2																																																																																																																																								
Radiolarians	1	1	1	—	—																																																																																																																																								
Rock fragment	2	2	2	—	1																																																																																																																																								
Silicoflagellates	1	1	2	—	—																																																																																																																																								
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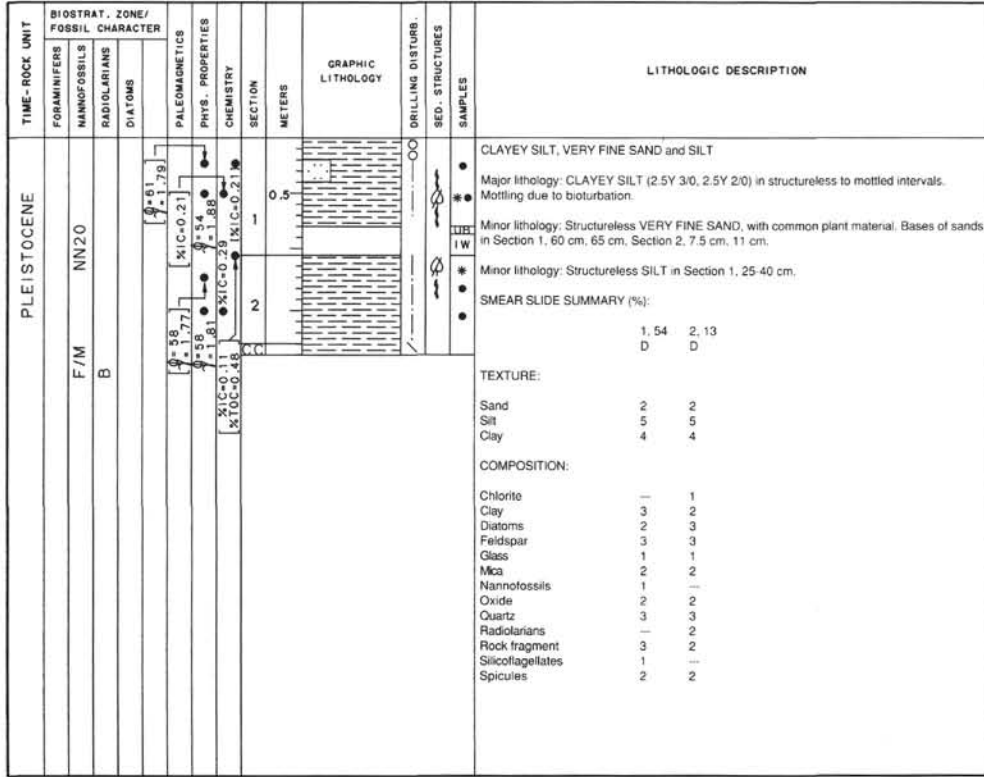


808B 3X NO RECOVERY

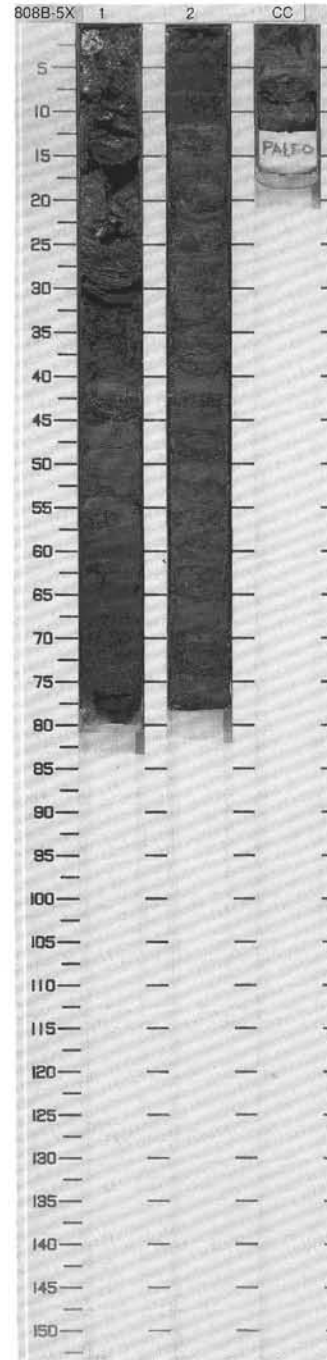
SITE 808 HOLE B CORE 4X CORED INTERVAL 4814.1-4823.7 mbsf; 139.9-149.5 mbsf

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										
PLEISTOCENE	C/G	NN20	B	%IC-0.29 %OC-0.74 %C-0.58 %O-1.79 %I-2.08 %K-0.14			1	0.5					• CLAYEY SILT and SILT • Major lithology: CLAYEY SILT (2.5Y 3/0, 2.5Y 2/0) in structureless to mottled intervals. Mottling due to bioturbation. • Minor lithology: SILT with parallel lamination in Section 1, 62-73 cm. Magnetite in sediment. SMEAR SLIDE SUMMARY (%): Sand 1 Silt 4 Clay 2 COMPOSITION: Amphibole 1 Chlorite 1 Clay 2 Diatoms 2 Feldspar 3 Mica 2 Nannofossils 2 Quartz 3 Silicoflagellates 1 Spicules 2

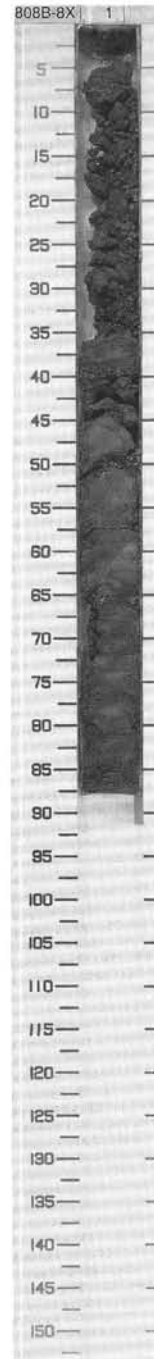




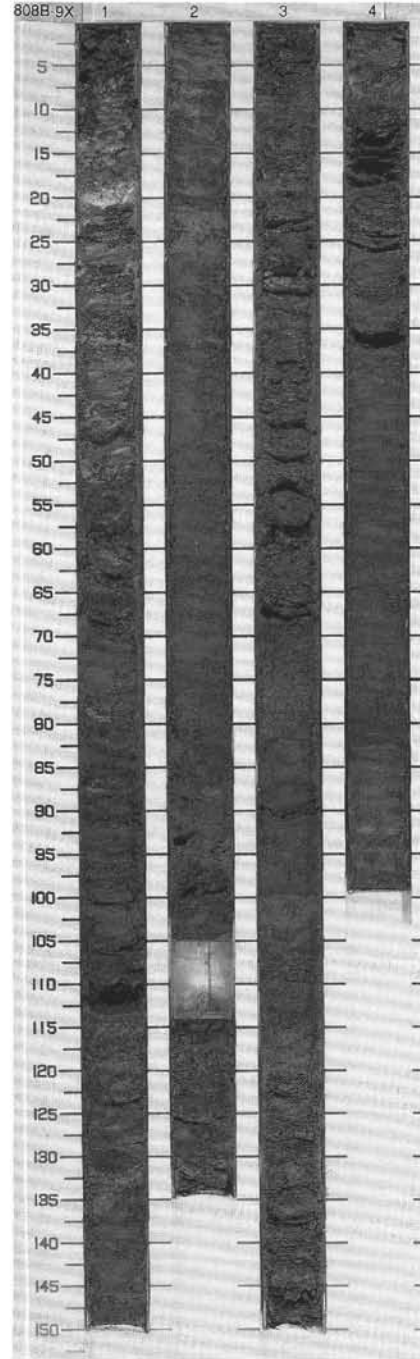
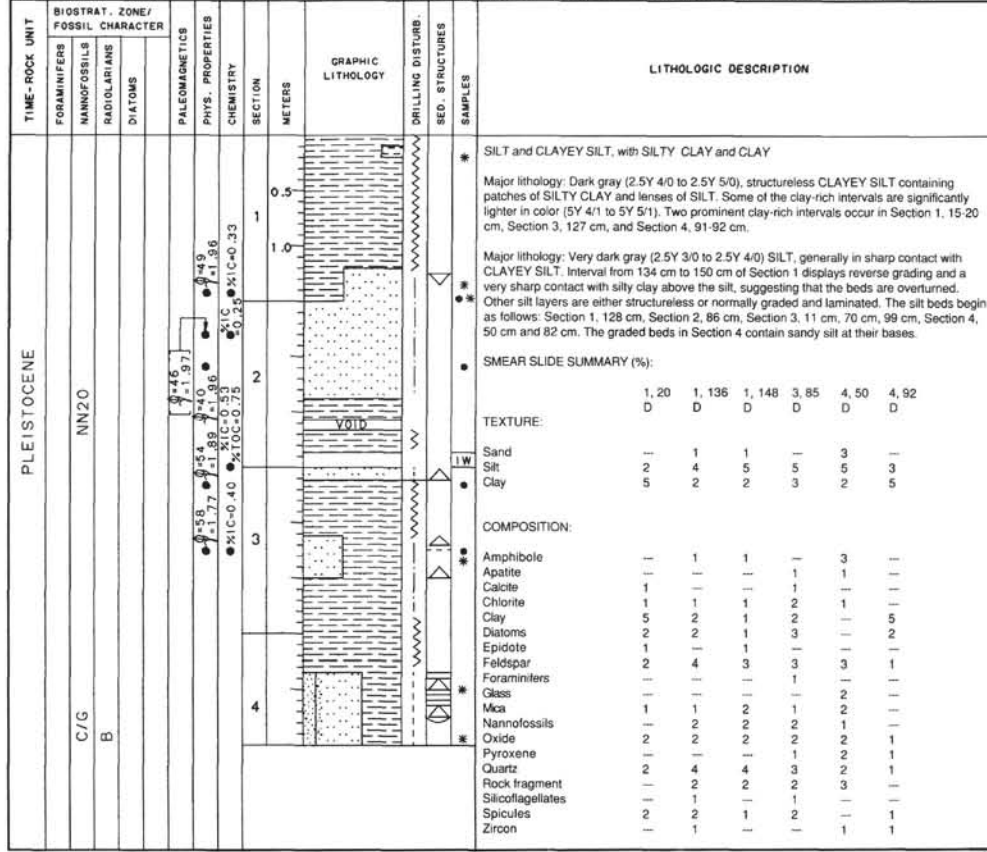
808B 6X NO RECOVERY

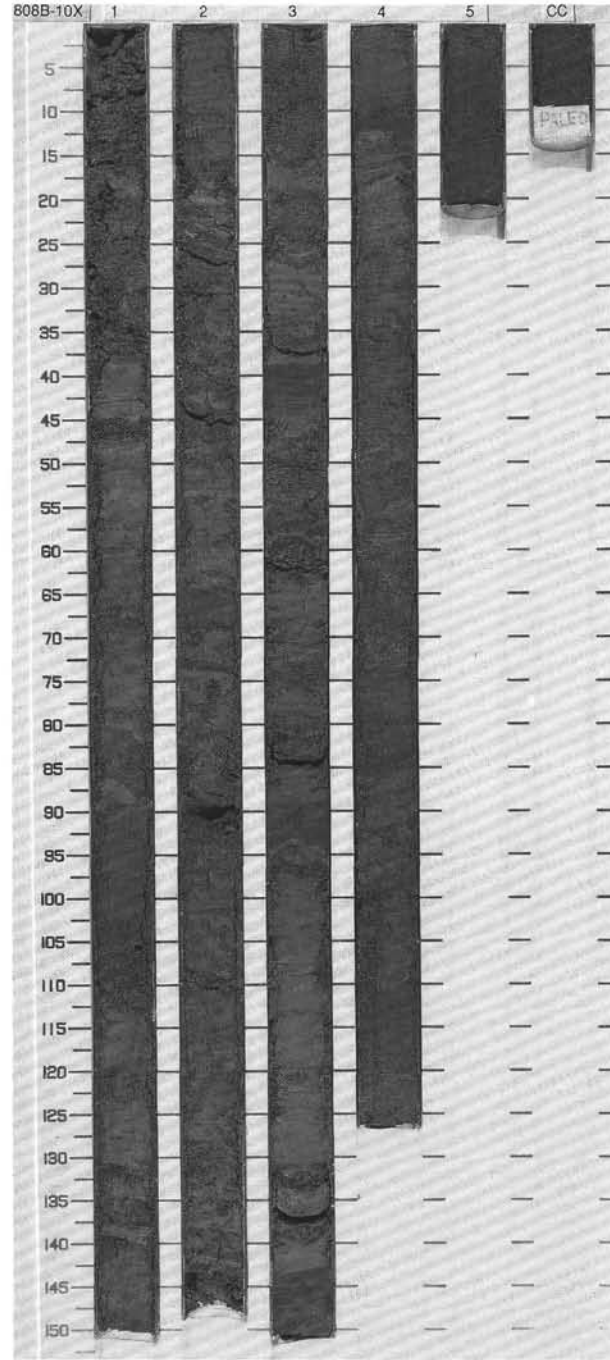
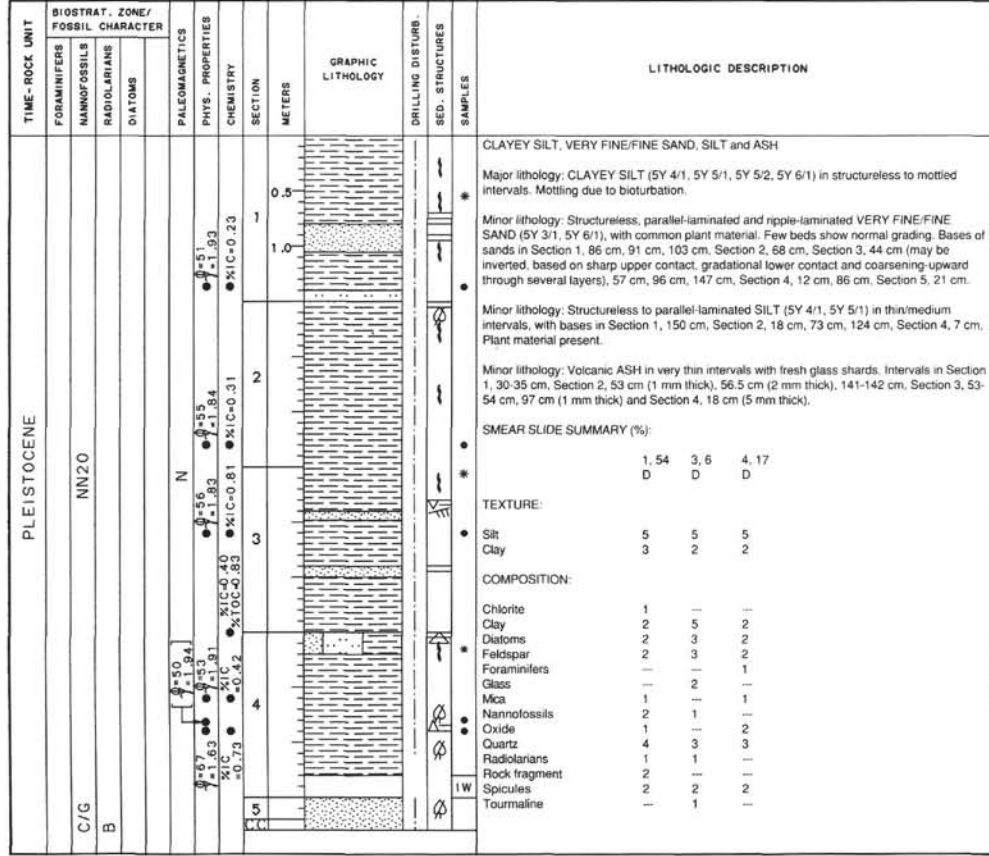


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS											DIATOMS																																															
PLEISTOCENE		NIN20			● 39 ● 22.1.0	● XIC=0.11	1	0.5				*	<p>SANDY CLAYEY SILT and CLAYEY SILT with minor CLAY</p> <p>Major lithology: Dark gray (2.5Y 4/0) SANDY CLAYEY SILT and CLAYEY SILT. Faint laminae and sharp contacts between textural intervals define possible folds between 45 and 55 cm with subhorizontal axial surfaces. Strong drilling disturbance is evident in the upper 45 cm, where sediment is broken into small fragments.</p> <p>Minor lithology: Deformed layer of very fine CLAY at 59-63 cm. This layer is lighter in color (5Y 5/2) than surrounding sediment. The material appears to be composed of extremely fine grained carbonate, but this cannot be confirmed petrographically.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>1, 60</td> <td>1, 75</td> </tr> <tr> <td></td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>—</td> <td>4</td> </tr> <tr> <td>Silt</td> <td>2</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>3</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Amphibole</td> <td>1</td> <td>—</td> </tr> <tr> <td>Chlorite</td> <td>1</td> <td>1</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>2</td> </tr> <tr> <td>Diatoms</td> <td>—</td> <td>1</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>3</td> </tr> <tr> <td>Mica</td> <td>—</td> <td>2</td> </tr> <tr> <td>Nannofossils</td> <td>1</td> <td>2</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>3</td> </tr> <tr> <td>Rock fragment</td> <td>1</td> <td>2</td> </tr> <tr> <td>Spicules</td> <td>—</td> <td>1</td> </tr> </table>		1, 60	1, 75		M	D	Sand	—	4	Silt	2	5	Clay	5	3	Amphibole	1	—	Chlorite	1	1	Clay	5	2	Diatoms	—	1	Feldspar	2	3	Mica	—	2	Nannofossils	1	2	Oxide	2	2	Quartz	2	3	Rock fragment	1	2	Spicules	—	1
	1, 60	1, 75																																																											
	M	D																																																											
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Quartz	2	3																																																											
Rock fragment	1	2																																																											
Spicules	—	1																																																											



SITE 808 HOLE B CORE 9X CORED INTERVAL 4862.4-4871.6 mbsf; 188.2-197.4 mbsf





SITE 808 HOLE B CORE 11X CORED INTERVAL 4881.0-4890.5 mbsl; 206.8-216.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETIC	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION				
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS														
PLEISTOCENE		NN20			0-4.8 0-5.3 0-5.5 0-5.6 0-5.8 0-6.1 0-6.5 0-7.0 0-7.5 0-8.0 0-8.5 0-9.0 0-9.5 0-10.0 0-10.5 0-11.0 0-11.5 0-12.0 0-12.5 0-13.0 0-13.5 0-14.0 0-14.5 0-15.0 0-15.5 0-16.0 0-16.5 0-17.0 0-17.5 0-18.0 0-18.5 0-19.0 0-19.5 0-20.0 0-20.5 0-21.0 0-21.5 0-22.0 0-22.5 0-23.0 0-23.5 0-24.0 0-24.5 0-25.0 0-25.5 0-26.0 0-26.5 0-27.0 0-27.5 0-28.0 0-28.5 0-29.0 0-29.5 0-30.0 0-30.5 0-31.0 0-31.5 0-32.0 0-32.5 0-33.0 0-33.5 0-34.0 0-34.5 0-35.0 0-35.5 0-36.0 0-36.5 0-37.0 0-37.5 0-38.0 0-38.5 0-39.0 0-39.5 0-40.0 0-40.5 0-41.0 0-41.5 0-42.0 0-42.5 0-43.0 0-43.5 0-44.0 0-44.5 0-45.0 0-45.5 0-46.0 0-46.5 0-47.0 0-47.5 0-48.0 0-48.5 0-49.0 0-49.5 0-50.0 0-50.5 0-51.0 0-51.5 0-52.0 0-52.5 0-53.0 0-53.5 0-54.0 0-54.5 0-55.0 0-55.5 0-56.0 0-56.5 0-57.0 0-57.5 0-58.0 0-58.5 0-59.0 0-59.5 0-60.0 0-60.5 0-61.0 0-61.5 0-62.0 0-62.5 0-63.0 0-63.5 0-64.0 0-64.5 0-65.0 0-65.5 0-66.0 0-66.5 0-67.0 0-67.5 0-68.0 0-68.5 0-69.0 0-69.5 0-70.0 0-70.5 0-71.0 0-71.5 0-72.0 0-72.5 0-73.0 0-73.5 0-74.0 0-74.5 0-75.0 0-75.5 0-76.0 0-76.5 0-77.0 0-77.5 0-78.0 0-78.5 0-79.0 0-79.5 0-80.0 0-80.5 0-81.0 0-81.5 0-82.0 0-82.5 0-83.0 0-83.5 0-84.0 0-84.5 0-85.0 0-85.5 0-86.0 0-86.5 0-87.0 0-87.5 0-88.0 0-88.5 0-89.0 0-89.5 0-90.0 0-90.5 0-91.0 0-91.5 0-92.0 0-92.5 0-93.0 0-93.5 0-94.0 0-94.5 0-95.0 0-95.5 0-96.0 0-96.5 0-97.0 0-97.5 0-98.0 0-98.5 0-99.0 0-99.5 0-100.0 0-100.5 0-101.0 0-101.5 0-102.0 0-102.5 0-103.0 0-103.5 0-104.0 0-104.5 0-105.0 0-105.5 0-106.0 0-106.5 0-107.0 0-107.5 0-108.0 0-108.5 0-109.0 0-109.5 0-110.0 0-110.5 0-111.0 0-111.5 0-112.0 0-112.5 0-113.0 0-113.5 0-114.0 0-114.5 0-115.0 0-115.5 0-116.0 0-116.5 0-117.0 0-117.5 0-118.0 0-118.5 0-119.0 0-119.5 0-120.0 0-120.5 0-121.0 0-121.5 0-122.0 0-122.5 0-123.0 0-123.5 0-124.0 0-124.5 0-125.0 0-125.5 0-126.0 0-126.5 0-127.0 0-127.5 0-128.0 0-128.5 0-129.0 0-129.5 0-130.0 0-130.5 0-131.0 0-131.5 0-132.0 0-132.5 0-133.0 0-133.5 0-134.0 0-134.5 0-135.0 0-135.5 0-136.0 0-136.5 0-137.0 0-137.5 0-138.0 0-138.5 0-139.0 0-139.5 0-140.0 0-140.5 0-141.0 0-141.5 0-142.0 0-142.5 0-143.0 0-143.5 0-144.0 0-144.5 0-145.0 0-145.5 0-146.0 0-146.5 0-147.0 0-147.5 0-148.0 0-148.5 0-149.0 0-149.5 0-150.0													
	C/M		B															

SMEAR SLIDE SUMMARY (%):					
	1, 93	1, 117	2, 45	2, 59	3, 14*
	D	M	D	M	D
TEXTURE:					
Sand	—	—	—	—	100
Silt	5	5	5	5	—
Clay	3	3	3	3	—
COMPOSITION:					
Amphibole	1	—	—	—	—
Chlorite	1	—	1	1	—
Clay	2	2	2	2	—
Diatoms	2	2	2	2	—
Feldspar	4	2	3	3	20
Foraminifers	1	—	1	—	1
Glass	—	—	—	1	—
Glauconite	—	—	—	1	—
Heavy minerals	—	—	—	—	4
Mica	2	1	2	1	—
Nannofossils	1	1	1	1	—
Oxide	2	1	1	—	—
Quartz	4	4	4	4	20
Radiolarians	1	—	—	—	—
Rock fragment	1	—	1	1	55
Spicules	1	1	2	1	—

*thin-section point-count

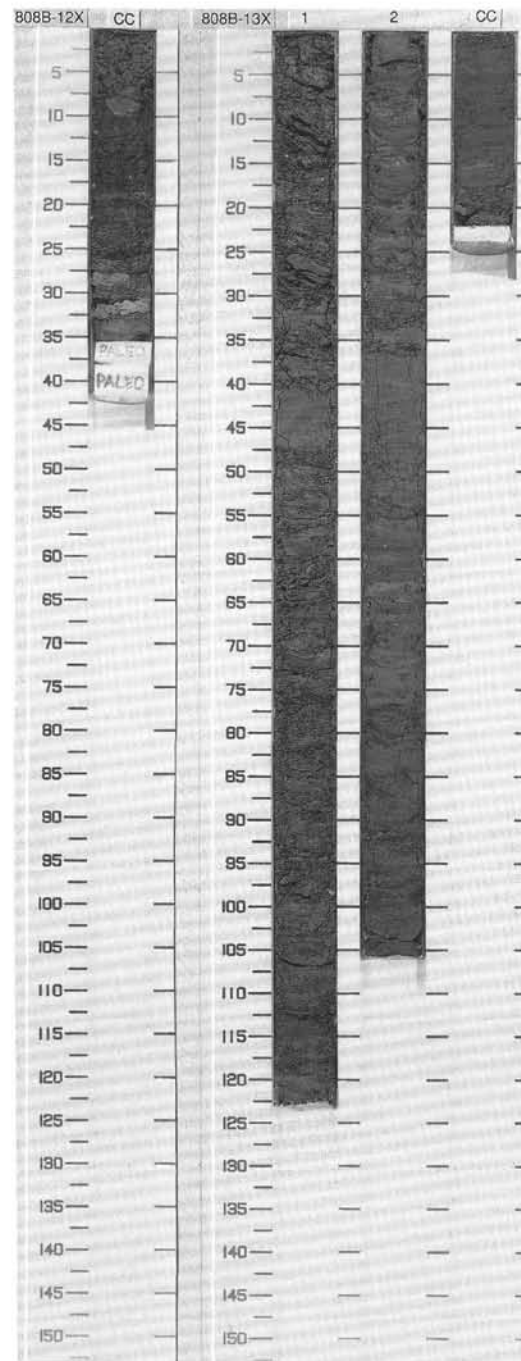


SITE 808 HOLE B CORE 12X CORED INTERVAL 4890.5-4900.0 mbsl; 216.3-225.8 mbsf

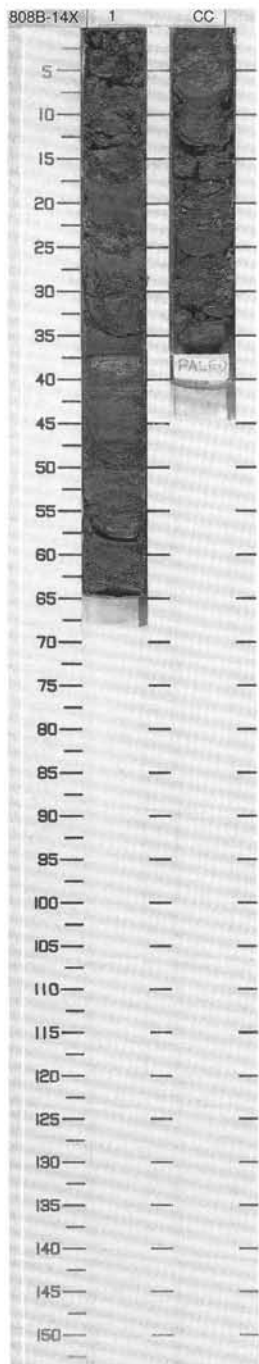
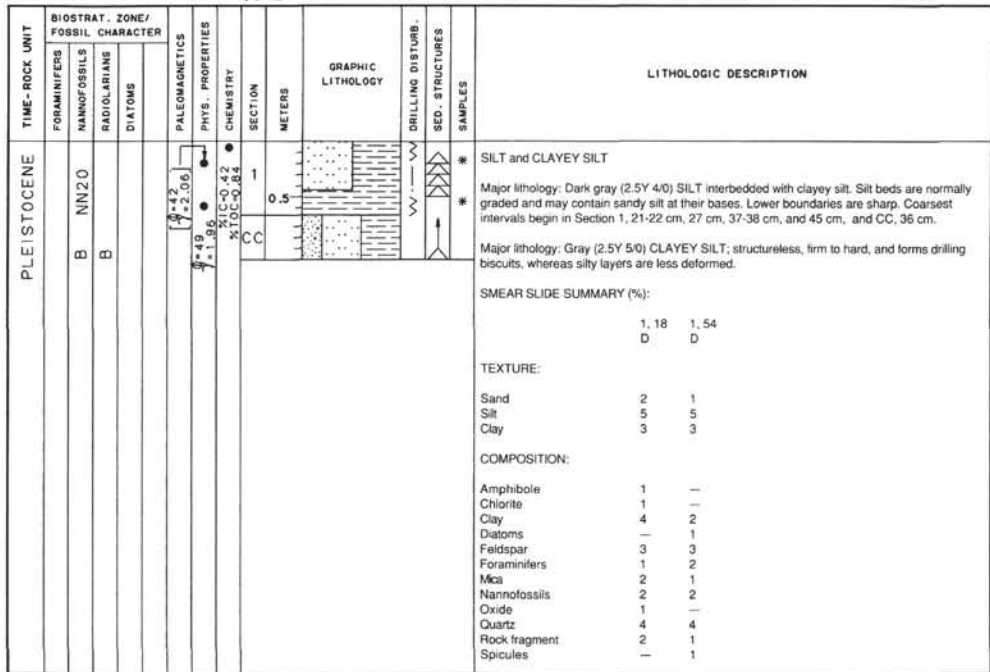
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAKNOFOSSILS	RADIOLARIANS	DIATOMS								
	TIME-ROCK UNIT	FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES								
PLEISTOCENE	C/G NN20 B						CC					<p>FINE SAND and CLAYEY SILT</p> <p>Major lithology: Structureless FINE SAND (5Y 2.5/1) with disseminated medium/coarse grade particles of diagenetic white crystalline mineral (zeolite phillipsite).</p> <p>Minor lithology: Mottled CLAYEY SILT (5Y 6/1). Mottling due to bioturbation.</p>

SITE 808 HOLE B CORE 13X CORED INTERVAL 4900.0-4909.3 mbsl; 225.8-235.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAKNOFOSSILS	RADIOLARIANS	DIATOMS								
	TIME-ROCK UNIT	FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES								
PLEISTOCENE	C/G NN20 B				<p>N -0.3 -0.4 -0.4 -0.4 -0.4</p> <p>-0.47 -1.99 -2.13 -2.10 -2.10</p> <p>0.40 -0.40 -0.40 -0.29 -0.29</p>		CC	<p>0.5 1 2</p>				<p>CLAYEY SILT, VERY FINE SAND and SILT</p> <p>Major lithology: CLAYEY SILT (5Y 5/1, 5Y 6/1, 5Y 3/1) in structureless to mottled intervals. Mottling due to bioturbation.</p> <p>Minor lithology: Structureless to normally graded, thin/medium beds of parallel-laminated VERY FINE SAND (5Y 3/1, 5Y 6/1). Bases of sands in Section 1, 47 cm, 116 cm, 124 cm, Section 2, 62 cm and CC, 22 cm.</p> <p>Minor lithology: Laminated SILT in Section 2, 36-46 cm.</p>



SITE 808 HOLE B CORE 14X CORED INTERVAL 4909.3-4918.7 mbsl; 235.1-244.5 mbsf

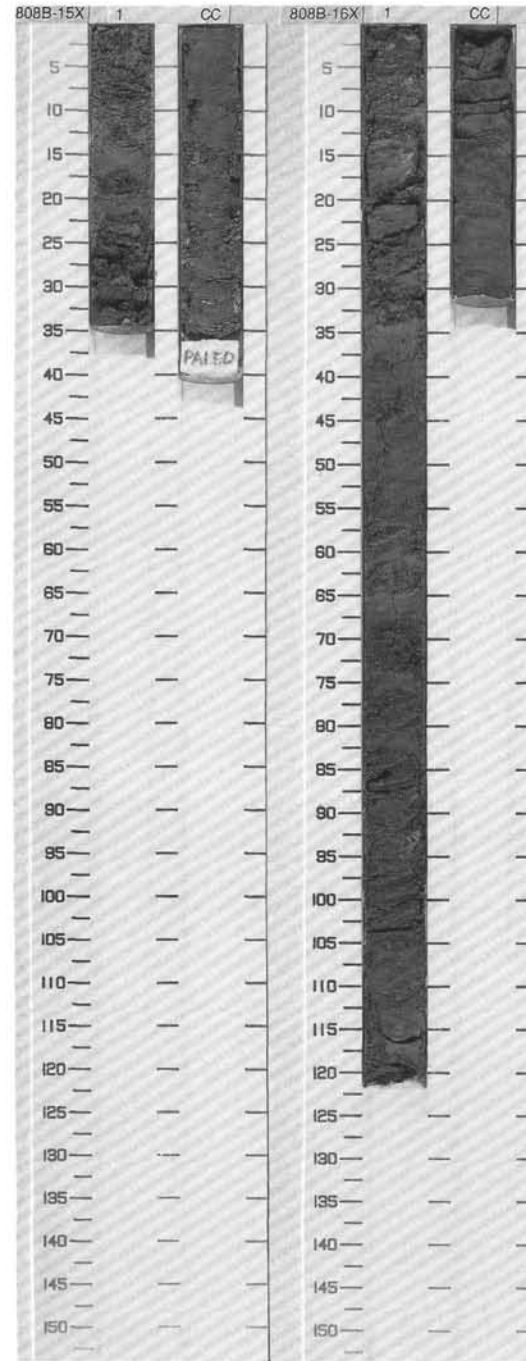


SITE 808 HOLE B CORE 15X CORED INTERVAL 4918.7-4928.4 mbsl; 244.5-254.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS									
PLEISTOCENE	NN20	R/M	B	1% (C=0.49)	0.56 1.83 1.44 1.88	1					*	<p>SANDY SILT, SILT, and CLAYEY SILT</p> <p>Major lithology: Dark gray (2.5Y 4/0) SILT to SANDY SILT, grading upward into clayey silt. Internal structure destroyed by drilling disturbance.</p> <p>Minor lithology: Gray (2.5Y 5/0) CLAYEY SILT. Structureless. Overlies silty layers.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: right;">CC, 20 D</p> <p>TEXTURE:</p> <p>Sand 2 Silt 4 Clay 1</p> <p>COMPOSITION:</p> <p>Chlorite 2 Clay 1 Diatoms 1 Epidote 1 Feldspar 3 Foraminifers 2 Mica 1 Nannofossils 2 Oxide 2 Quartz 3 Rock fragment 3 Spicules 2</p>

SITE 808 HOLE B CORE 16X CORED INTERVAL 4928.4-4937.6 mbsl; 254.2-263.4 mbsf

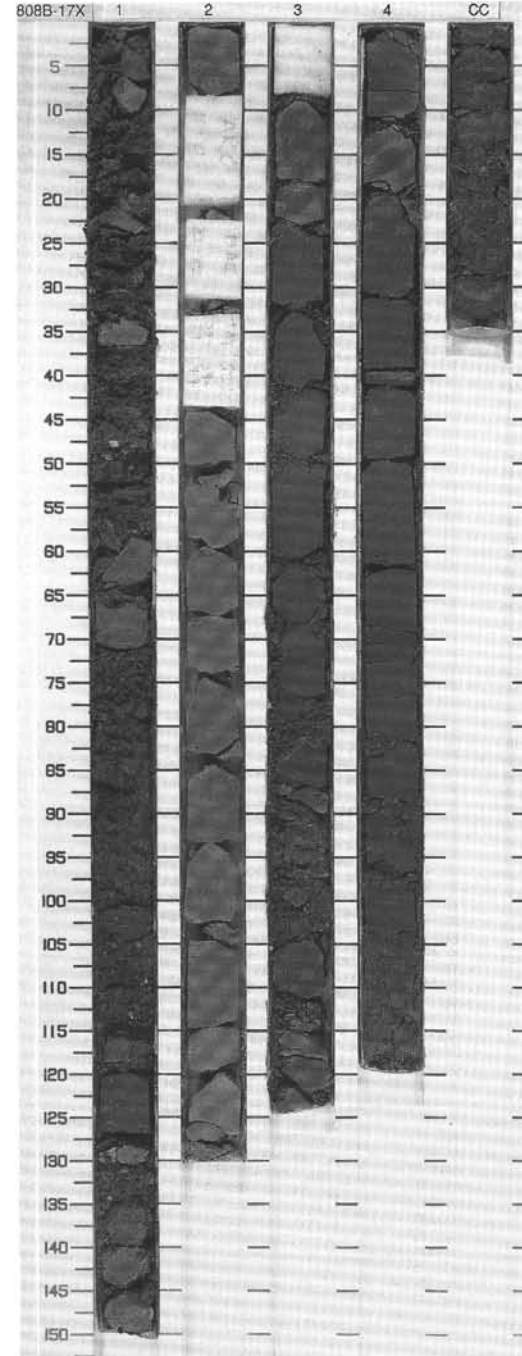
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS									
PLEISTOCENE	R/P	NN20	B	N	0.48 0.45 1.92 0.46 0.65	1					<p>SILT and CLAYEY SILT</p> <p>Major lithology: Dark gray (2.5Y 4/0) SILT, with sharp lower contacts, normal size grading from coarse to fine silt, and faint parallel laminae. A graded bed, beginning Section 1, 56 cm, contains sandy silt at the base. Silt intervals display a lower degree of consolidation and less deformation than interbeds of clayey silt; these coarser layers probably acted as dewatering conduits during compaction.</p> <p>Major lithology: Gray (2.5Y 5/0) CLAYEY SILT. Structureless; indurated and intensely disturbed by drilling, forming discrete biscuits.</p>	



SITE 808 HOLE B CORE 17X CORED INTERVAL 4937.6-4947.2 mbsl; 263.4-273.0 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																																														
PLEISTOCENE	NN20				N	0.53 0.45 1.93 1.82 1.87 1.87 0.43 2.02 0.34 0.42	%TOC=0.48 %C=0.57 %IC=0.57	1	0.5	[Dotted pattern]				SILTSTONE, SILTY CLAYSTONE and CONGLOMERATE Major lithology: SILTY CLAYSTONE (5Y 5/1) with some sub-mm, dark, shear bands. Disseminated pyrite and pyrite framboids common. Major lithology: Structureless SILTSTONE (2.5Y 3/0). In Section 1, 71-101 cm and 126-150 cm, there are dispersed small, well rounded, quartz pebbles and granules (up to 5 mm diameter). * Major lithology: Pebble CONGLOMERATE (2.5Y 3/0) in Section 1, 101-126 cm. Matrix-supported with well rounded clayey siltstone (Pleistocene) clasts up to >2.7 cm in maximum measured dimension, and sub-rounded to well-rounded small pebbles and granules (mm-scale) of other lithologies. Matrix (estimated 60-70%) of clayey fine sand. Disseminated plant material abundant in matrix. SMEAR SLIDE SUMMARY (%): <table border="1"> <thead> <tr> <th></th> <th>1, 103</th> <th>1, 137</th> <th>2, 46</th> <th>3, 45</th> <th>4, 56</th> </tr> <tr> <th></th> <th>M</th> <th>D</th> <th>D</th> <th>D</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>TEXTURE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sand</td> <td>—</td> <td>5</td> <td>1</td> <td>1</td> <td>—</td> </tr> <tr> <td>Silt</td> <td>2</td> <td>2</td> <td>2</td> <td>5</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>2</td> <td>5</td> <td>4</td> <td>4</td> </tr> </tbody> </table> COMPOSITION: <ul style="list-style-type: none"> Calcite: — 1 1 — — Chlorite: 1 — — 1 — Clay: 5 2 5 3 3 Diatoms: 2 — 2 — — Epidote: — 1 — — — Feldspar: 2 3 3 3 3 Foraminifers: — — — 1 — Mca: 1 2 2 1 1 Nannofossils: 3 3 2 2 — Oxide: 1 2 1 1 1 Quartz: 3 4 3 3 4 Rock fragment: 1 2 1 1 2 Spicules: 2 2 2 — — 		1, 103	1, 137	2, 46	3, 45	4, 56		M	D	D	D	D	TEXTURE:						Sand	—	5	1	1	—	Silt	2	2	2	5	5	Clay	5	2	5	4	4
		1, 103	1, 137	2, 46				3, 45	4, 56																																									
		M	D	D				D	D																																									
	TEXTURE:																																																	
Sand	—	5	1	1	—																																													
Silt	2	2	2	5	5																																													
Clay	5	2	5	4	4																																													
							2	1.0	[Conglomerate pattern]																																									

808B 18X NO RECOVERY

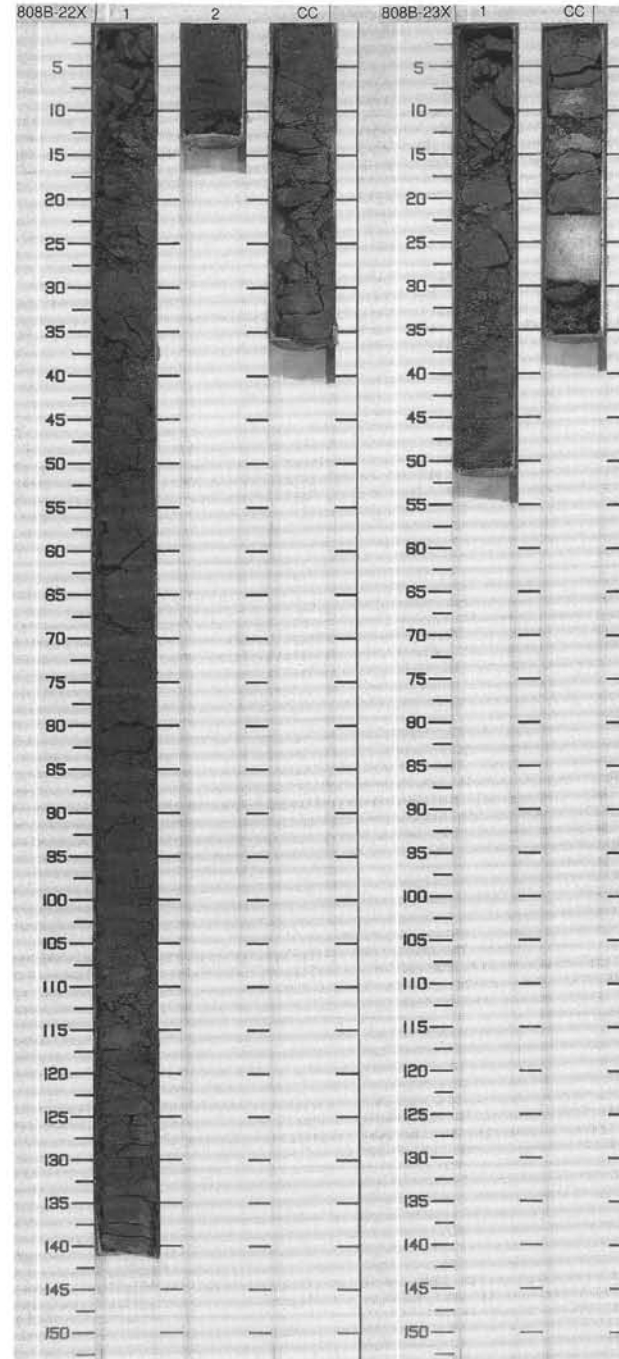


SITE 808 HOLE B CORE 22X CORED INTERVAL 4981.3-4991.0 mbsf; 307.1-316.8 mbsf

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										
PLEISTOCENE	C/G	NN20	B		N	0.35 0.03 0.29 0.38	%IC=0.29 %TOC=0.58	1	0.5 1.0					<p>SILTY CLAYSTONE</p> <p>Lithology: Structureless to mottled SILTY CLAYSTONE (5Y 3/1, 5Y 4/1) Mottling due to bioturbation.</p>

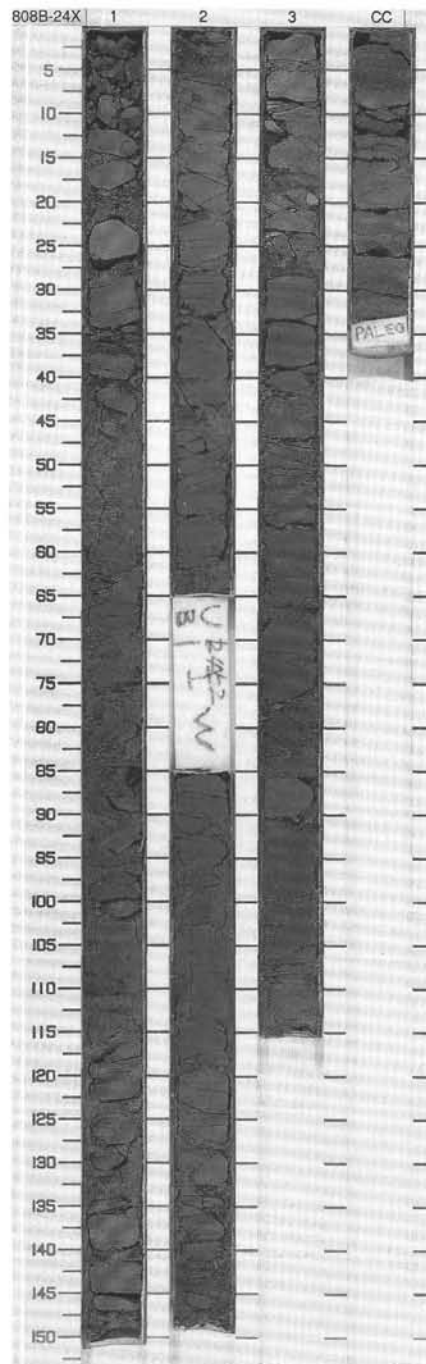
SITE 808 HOLE B CORE 23X CORED INTERVAL 4991.0-5000.6 mbsf; 316.8-326.4 mbsf

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																																		
PLEISTOCENE	C/M	NN20	B		N	0.48 2.00	%IC=0.39 %TOC=0.61	1						<p>SILTSTONE and CLAYEY SILTSTONE</p> <p>Major lithologies: Gray (2.5Y 4/0) SILTSTONE and CLAYEY SILTSTONE broken into small fragments and larger drilling biscuits. Local preservation of laminae within some of the biscuits, which are engulfed in drilling slurry. Material in the core catcher is similar in texture, but less indurated and slightly less deformed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td>CC</td><td>20</td></tr> <tr><td>D</td><td></td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Silt</td><td>5</td></tr> <tr><td>Clay</td><td>4</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Clay</td><td>3</td></tr> <tr><td>Feldspar</td><td>3</td></tr> <tr><td>Mica</td><td>2</td></tr> <tr><td>Nannofossils</td><td>2</td></tr> <tr><td>Oxide</td><td>1</td></tr> <tr><td>Quartz</td><td>4</td></tr> <tr><td>Rock fragment</td><td>3</td></tr> <tr><td>Spicules</td><td>2</td></tr> </table>	CC	20	D		Silt	5	Clay	4	Clay	3	Feldspar	3	Mica	2	Nannofossils	2	Oxide	1	Quartz	4	Rock fragment	3	Spicules	2
CC	20																																					
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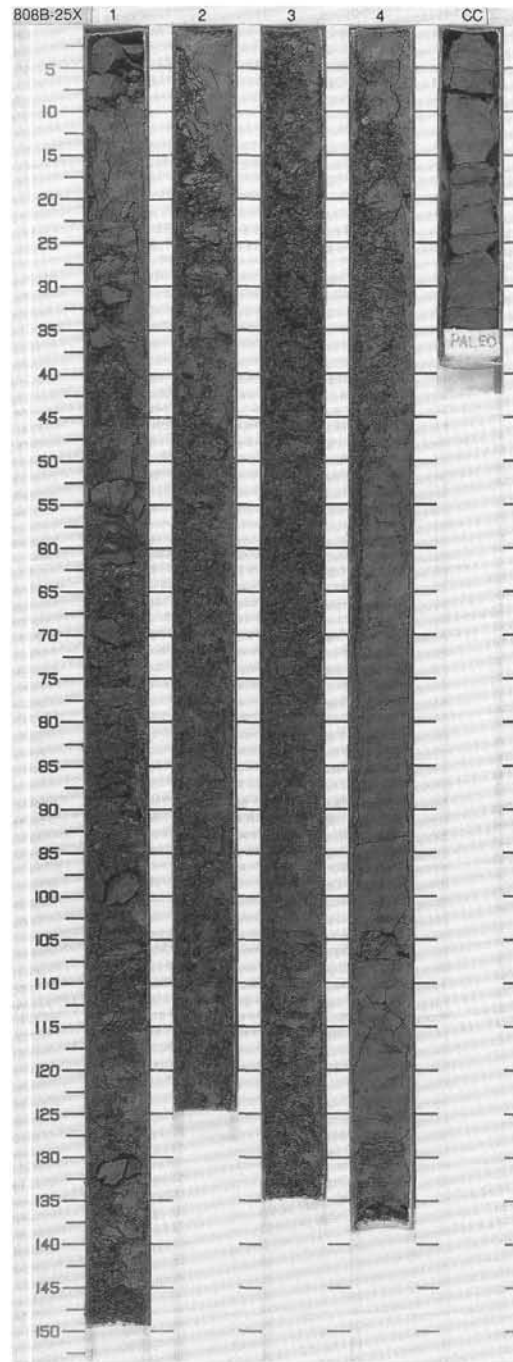
SITE 808 HOLE B CORE 24X CORED INTERVAL 5000.6-5010.2 mbsl; 326.4-336.0 mbsf

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																																																																																																									
PLEISTOCENE														<p>CLAYEY SILTSTONE, with SILT and SILTY drilling slurry</p> <p>* Major lithology: Gray (2.5Y 4/0) CLAYEY SILTSTONE, broken into drilling biscuits and inter-veining slurry. Slurried intervals appear to be coarser in grain size. Only a few intact pieces are large enough to obtain clearly defined internal structure; most of these fragments appear structureless or bioturbated, and a few display faint laminae. Incipient fissility is aligned parallel to compositional layering, but the fabric has been rotated in an irregular way (see section on structural geology).</p> <p>* Minor lithology: SILT; relatively undeformed within core catcher. Much of the overlying drilling slurry also contains high percentages of silt, but the slurry is not in the correct stratigraphic position.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 45</td> <td>1, 115</td> <td>CC, 5</td> <td>CC, 7</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> <td>M</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>1</td> <td>1</td> <td>2</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>5</td> <td>5</td> <td>5</td> <td>3</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>3</td> <td>4</td> <td>1</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Calcite</td> <td>1</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Chlorite</td> <td>1</td> <td>1</td> <td>1</td> <td>—</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Diatoms</td> <td>—</td> <td>—</td> <td>2</td> <td>—</td> </tr> <tr> <td>Epidote</td> <td>—</td> <td>1</td> <td>—</td> <td>—</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>3</td> <td>3</td> <td>5</td> </tr> <tr> <td>Foraminifers</td> <td>1</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Glass</td> <td>—</td> <td>—</td> <td>1</td> <td>—</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>2</td> <td>2</td> <td>—</td> </tr> <tr> <td>Nannofossils</td> <td>1</td> <td>1</td> <td>2</td> <td>—</td> </tr> <tr> <td>Oxide</td> <td>—</td> <td>1</td> <td>2</td> <td>—</td> </tr> <tr> <td>Quartz</td> <td>4</td> <td>4</td> <td>3</td> <td>4</td> </tr> <tr> <td>Rock fragment</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>Spicules</td> <td>—</td> <td>—</td> <td>2</td> <td>—</td> </tr> </table>		1, 45	1, 115	CC, 5	CC, 7		D	D	D	M	Sand	1	1	2	5	Silt	5	5	5	3	Clay	4	3	4	1	Calcite	1	—	—	—	Chlorite	1	1	1	—	Clay	2	3	2	2	Diatoms	—	—	2	—	Epidote	—	1	—	—	Feldspar	3	3	3	5	Foraminifers	1	—	—	—	Glass	—	—	1	—	Mica	2	2	2	—	Nannofossils	1	1	2	—	Oxide	—	1	2	—	Quartz	4	4	3	4	Rock fragment	3	3	3	3	Spicules	—	—	2	—
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	B	NN20				%C=3.9 %S=0.7 %TIC=0.5		2																																																																																																					



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																																																																																																																						
PLEISTOCENE		NN20		N	$\phi = 4.3$ $\gamma = 2.00$ $\%C = 0.40$	$\%C = 0.58$ $\%TOC = 0.69$	1	0.5					CLAYEY SILT and CLAYEY SILTSTONE * Major lithology: CLAYEY SILT grading into CLAYEY SILTSTONE. Gray in color (2.5Y 4/0). Firm, but not as hard as material in Core 24X. Intensely fractured into small bits together with a few drilling biscuits. Laminae in some of the biscuits display steep dips (see description of structural geology). Intervals between Section 2, 40 cm, and Section 3, 72 cm also display an unusual flaky or scaly fabric which appears to be sub-horizontal in orientation. Similar fabrics occur in Section 4, 0-45 cm. Remaining intervals contain larger biscuits, but there is relatively little drilling slurry between the biscuits. There is local preservation of bioturbation and faint laminae, but overall, there are few primary sedimentary structures remaining. * SMEAR SLIDE SUMMARY (%): <table border="1"> <tr> <td></td> <td>1, 28</td> <td>1, 50</td> <td>2, 6</td> <td>3, 58</td> <td>4, 22</td> </tr> <tr> <td>D</td> <td></td> <td>M</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> TEXTURE: <table border="1"> <tr> <td>Sand</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>1</td> </tr> <tr> <td>Silt</td> <td>5</td> <td>4</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>5</td> <td>4</td> <td>4</td> <td>3</td> </tr> </table> OG COMPOSITION: <table border="1"> <tr> <td>Chlorite</td> <td>1</td> <td>—</td> <td>2</td> <td>2</td> <td>1</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>3</td> <td>4</td> <td>4</td> <td>3</td> </tr> <tr> <td>Diatoms</td> <td>—</td> <td>—</td> <td>—</td> <td>1</td> <td>—</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>4</td> <td>3</td> <td>3</td> <td>4</td> </tr> <tr> <td>Foraminifers</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>1</td> </tr> <tr> <td>Glass</td> <td>1</td> <td>2</td> <td>2</td> <td>1</td> <td>2</td> </tr> <tr> <td>Mca</td> <td>1</td> <td>1</td> <td>1</td> <td>2</td> <td>2</td> </tr> <tr> <td>Micrite</td> <td>—</td> <td>—</td> <td>—</td> <td>1</td> <td>—</td> </tr> <tr> <td>Nannofossils</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>—</td> <td>1</td> <td>2</td> <td>1</td> </tr> <tr> <td>Quartz</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> <tr> <td>Rock fragment</td> <td>2</td> <td>1</td> <td>3</td> <td>2</td> <td>3</td> </tr> <tr> <td>Spicules</td> <td>2</td> <td>1</td> <td>2</td> <td>2</td> <td>2</td> </tr> </table>		1, 28	1, 50	2, 6	3, 58	4, 22	D		M	D	D	D	Sand	—	—	—	—	1	Silt	5	4	5	5	5	Clay	4	5	4	4	3	Chlorite	1	—	2	2	1	Clay	4	3	4	4	3	Diatoms	—	—	—	1	—	Feldspar	3	4	3	3	4	Foraminifers	—	—	—	—	1	Glass	1	2	2	1	2	Mca	1	1	1	2	2	Micrite	—	—	—	1	—	Nannofossils	2	2	2	2	2	Oxide	2	—	1	2	1	Quartz	4	4	4	4	4	Rock fragment	2	1	3	2	3	Spicules	2	1	2	2	2
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R/P					$\phi = 4.4$ $\gamma = 2.02$ $\%C = 0.42$	$\%C = 0.51$	2	1.0																																																																																																																	
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808B 26X NO RECOVERY

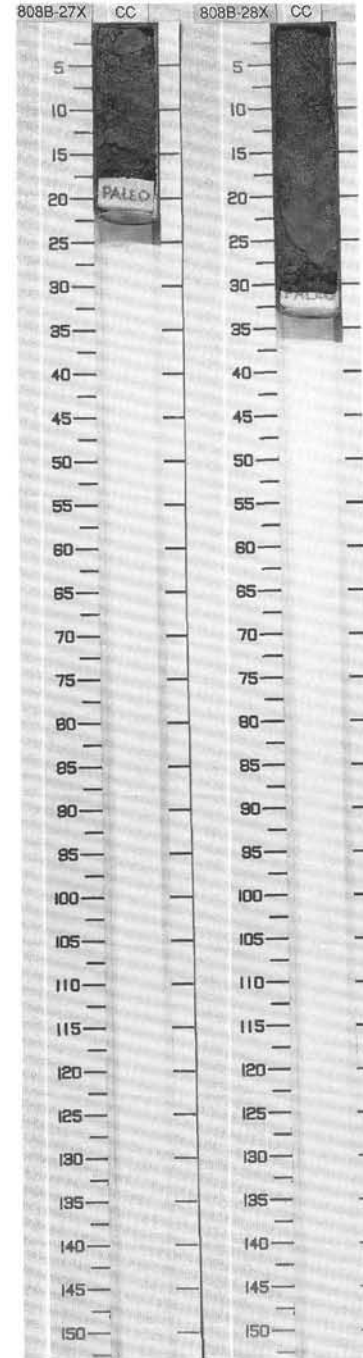


SITE 808 HOLE B CORE 27X CORED INTERVAL 5019.8-5029.4 mbsf; 345.6-355.2 mbsf

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									
PLEISTOCENE	NN20	F/M	B					CC					CLAYEY SILT Major lithology: Structureless CLAYEY SILT. dark gray in color (2.5Y 4/0). Deformed by drilling into biscuits.

SITE 808 HOLE B CORE 28X CORED INTERVAL 5029.4-5033.0 mbsf; 355.2-358.8 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									
PLEISTOCENE	NN20	C/G	B					CC					VERY FINE SAND with SILTY CLAY Major lithology: VERY FINE SAND interlayered with SILTY CLAY. Dark gray in color (2.5Y 4/0). Structureless in upper 20 cm. Laminae are evident from CC, 20 cm to 30 cm; this layering dips approximately 30°. Organic matter also occurs as small disseminated particles. SMEAR SLIDE SUMMARY (%): CC, 22 D TEXTURE: Silt 4 Clay 5 COMPOSITION: Clay 4 Epidote 1 Feldspar 3 Mica 2 Nannofossils 2 Oxide 1 Quartz 3 Rock fragment 2

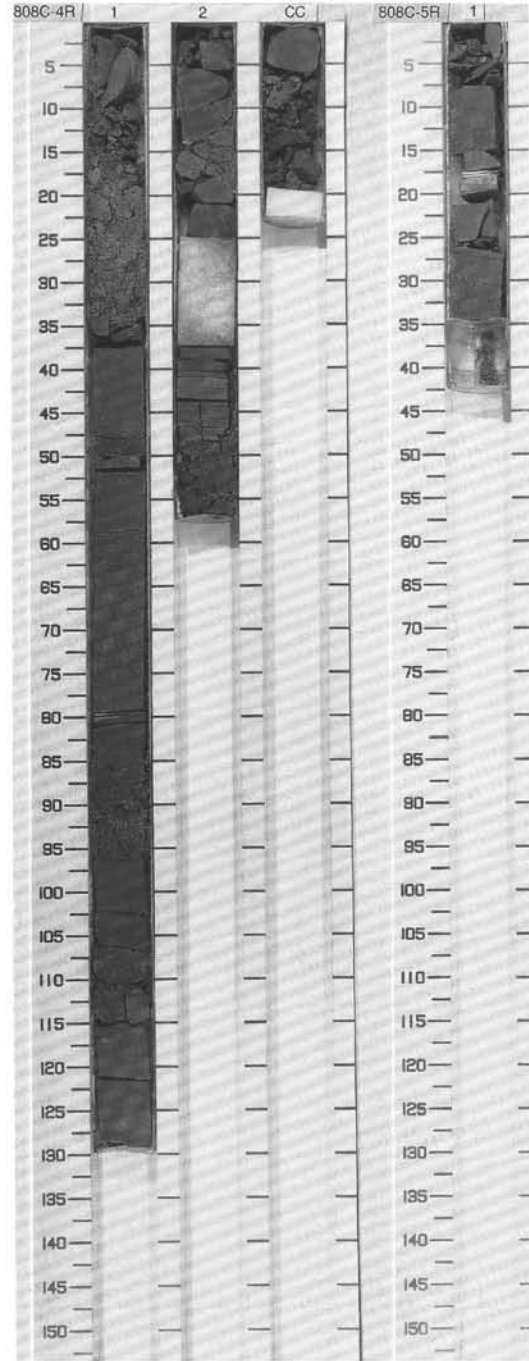


SITE 808 HOLE C CORE 4R CORED INTERVAL 5001.8-5011.5 mbsf; 327.2-336.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAKNOFOSSILS	RADIOLARIANS										
PLEISTOCENE	C/G	NN20	B		$\chi_{1\sigma} = 4.8$ $\chi_{2\sigma} = 14.4$ $\chi_{3\sigma} = 20.0$ $\chi_{4\sigma} = 25.6$ $\chi_{5\sigma} = 31.2$ $\chi_{6\sigma} = 36.8$ $\chi_{7\sigma} = 42.4$ $\chi_{8\sigma} = 48.0$ $\chi_{9\sigma} = 53.6$ $\chi_{10\sigma} = 59.2$	$X_{TDC} = 0.88$ $X_{TCC} = 0.81$ $\rho_{-2.07} = 0.41$ $\rho_{-2.02} = 0.44$ $\rho_{-1.96} = 0.46$	1	0.5 1.0				<p>CLAYEY SILTSTONE/SILTY CLAYSTONE and SILTSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 3/0, 5Y 3/1). Mottling due to bioturbation. Prominent 'shear zones' in Section 1, 68-79 cm.</p> <p>Major lithology: Normally-graded, laminated, SILTSTONE turbidites (5Y 3/0, 5Y 3/1) in thin to medium beds. Bases of SILTSTONE turbidites at Section 1, 50 cm, 58 cm, 91 cm, 107 cm, 112 cm, 121.5 cm, 130 cm and Section 2, 50 cm. Slight disturbance to laminae and steeper bedding dip in Section 2, 82-91 cm.</p>	

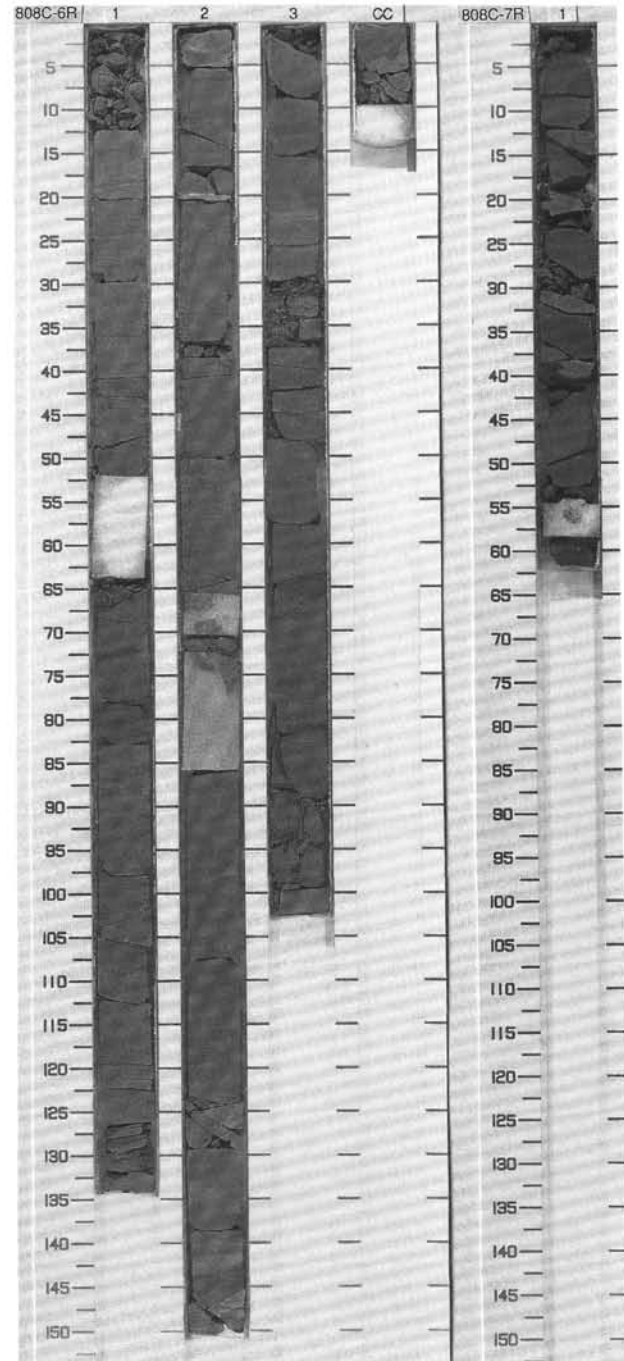
SITE 808 HOLE C CORE 5R CORED INTERVAL 5011.5-5021.2 mbsf; 336.9-346.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAKNOFOSSILS	RADIOLARIANS										
PLEISTOCENE	D	(NN20)	D		$\rho_{-1.95} = 4.7$		1					<p>CLAYEY SILTSTONE/SILTY CLAYSTONE and SILTSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 3/1). Mottling due to bioturbation.</p> <p>Major lithology: Normally-graded, laminated, SILTSTONE turbidites (5Y 3/1) in thin beds. Bases of SILTSTONE turbidites at Section 1, 21 cm, 34 cm and 37 cm.</p>	



SITE 808 HOLE C CORE 6R CORED INTERVAL 5021.2-5030.8 mbsf; 346.6-356.2 mbsf

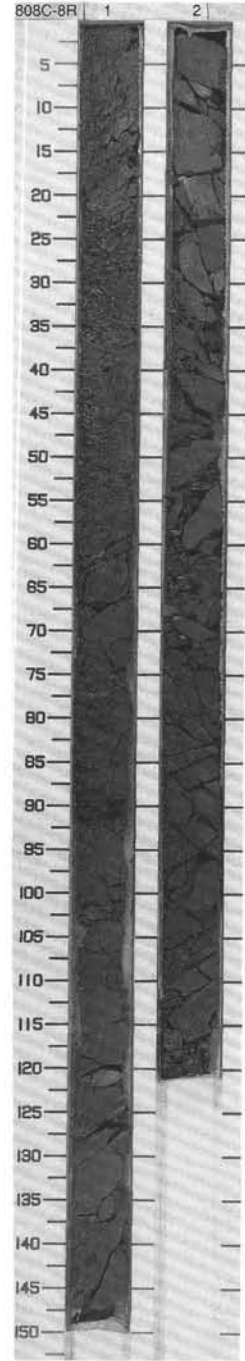
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAZONES										
PLEISTOCENE	B	NN20			N	X(C)=0.9 X(TOC)=0.61	1	0.5						CLAYEY SILTSTONE SILTY CLAYSTONE and SILTSTONE
	B	NN20			N	X(C)=0.21	2	1.0						Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 3/2, 5Y 4/1). Mottling due to bioturbation. Siliceous, flattened, worm tubes. Local diffuse parallel lamination/ banding of varicolored clayey siltstone. Disseminated pyrite in burrows e.g. in Section 3, 16 cm and 21 cm. Major lithology: Normally-graded, laminated, SILTSTONE turbidites (5Y 3/2) in thin beds. Bases of SILTSTONE turbidites in Section 1, 42 cm, 122 cm, 132 cm, Section 3, 32 cm and 82 cm.
						X(C)=0.42	3							SMEAR SLIDE SUMMARY (%): TEXTURE: Silt Clay COMPOSITION: Amphibole Calcite Chlorite Clay Feldspar Glass Mica Oxide Quartz Rock fragment Spicules



SITE 808 HOLE C CORE 7R CORED INTERVAL 5030.8-5040.5 mbsf; 356.2-365.9 mbsf

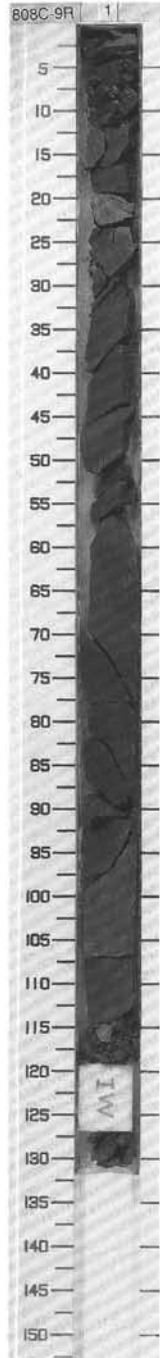
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAZONES										
PLEISTOCENE	B	(NN20)				X(C)=0.75 X(TOC)=0.56	1	0.5						CLAYEY SILTSTONE/SILTY CLAYSTONE
														Lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 3/1). Mottling due to bioturbation. Siliceous, flattened, worm tubes. Local diffuse parallel lamination.
														SMEAR SLIDE SUMMARY (%): TEXTURE: Silt Clay COMPOSITION: Amphibole Clay Feldspar Glass Mica Oxide Quartz Rock fragment

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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PLEISTOCENE		NN20					1	0.5					<p>CLAYEY SILTSTONE with SHALE and SILTY SAND</p> <p>* Major lithology: Dark gray (2.5Y 4/0) CLAYEY SILTSTONE. Thin to very thin interbeds in the upper part of Section 1, 10-23 cm, are lighter in color (5Y 5/1) and contain more clay; these strata collectively display an apparent dip of approximately 40°. Most of the remaining intervals are well indurated, internally structureless, and highly deformed by spaced fractures and darker colored, anastomosing shear bands. Interval in Section 2, 91-98 cm, contains a very thin bed of fine sand to coarse silt that is inclined at an apparent dip of approximately 55°.</p> <p>* Minor lithology: Very dark gray (2.5Y 3/0) fissile SHALE; moderately indurated. The fissility is inclined into the core liner, but at a relatively low dip angle.</p> <p>Minor lithology: Structureless and moderately indurated SILTY SAND. Dark gray color (2.5Y 4/0). Contains grains as large as coarse sand (2 mm). Sharp base appears to be subhorizontal.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <thead> <tr> <th></th> <th>1, 20</th> <th>1, 35</th> <th>1, 110</th> </tr> </thead> <tbody> <tr> <td>TEXTURE:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sand</td> <td>—</td> <td>—</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>5</td> <td>5</td> <td>4</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>4</td> <td>2</td> </tr> </tbody> </table> <p>COMPOSITION:</p> <table border="1"> <thead> <tr> <th></th> <th>1, 20</th> <th>1, 35</th> <th>1, 110</th> </tr> </thead> <tbody> <tr> <td>Amphibole</td> <td>—</td> <td>—</td> <td>1</td> </tr> <tr> <td>Chlorite</td> <td>—</td> <td>2</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>3</td> <td>2</td> </tr> <tr> <td>Epidote</td> <td>—</td> <td>—</td> <td>1</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Glass</td> <td>4</td> <td>3</td> <td>2</td> </tr> <tr> <td>Mica</td> <td>—</td> <td>2</td> <td>2</td> </tr> <tr> <td>Nannofossils</td> <td>3</td> <td>—</td> <td>2</td> </tr> <tr> <td>Oxide</td> <td>1</td> <td>2</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>4</td> <td>4</td> </tr> <tr> <td>Rock fragment</td> <td>—</td> <td>2</td> <td>3</td> </tr> <tr> <td>Spicules</td> <td>2</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		1, 20	1, 35	1, 110	TEXTURE:				Sand	—	—	5	Silt	5	5	4	Clay	4	4	2		1, 20	1, 35	1, 110	Amphibole	—	—	1	Chlorite	—	2	2	Clay	3	3	2	Epidote	—	—	1	Feldspar	2	3	4	Glass	4	3	2	Mica	—	2	2	Nannofossils	3	—	2	Oxide	1	2	2	Quartz	3	4	4	Rock fragment	—	2	3	Spicules	2	—	—
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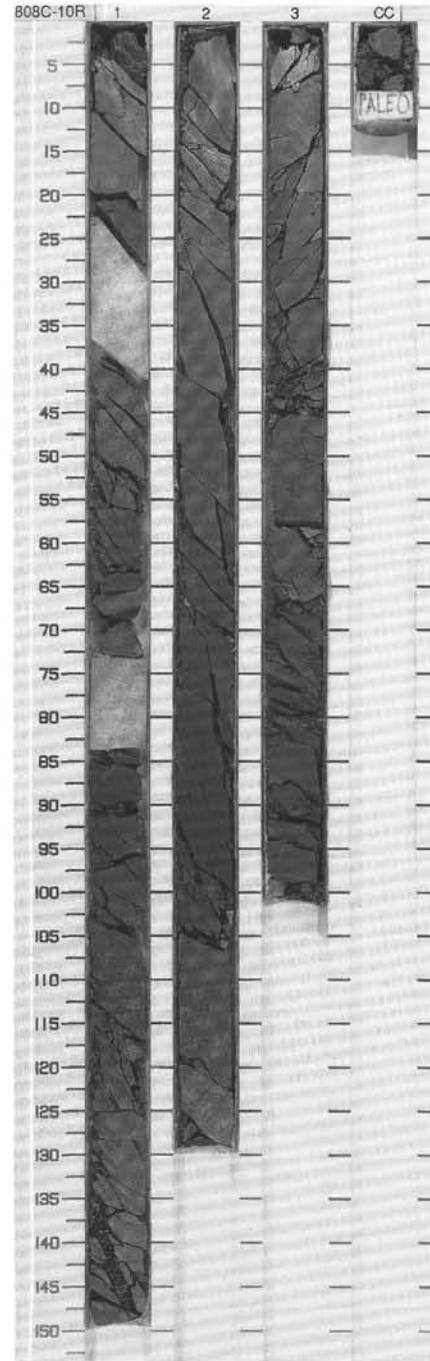


SITE 808 HOLE C CORE 9R CORED INTERVAL 5050.2-5059.8 mbsl; 375.6-385.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																			
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PLEISTOCENE	F/M	NN20	B	0.5 1.3	N	%C 0.7 %Cl 0.85 %TOC=0.85	0.5 1.0			1	<p>CLAYEY SILTSTONE and CLAYEY SILTY SANDSTONE</p> <p>Major lithology: CLAYEY SILTY SANDSTONE with faint laminae and deformation (shear) bands. Dark gray color (2.5Y 4/0). No reliable or consistent indicators of bedding orientation.</p> <p>Major lithology: Dark gray (2.5Y 4/0) CLAYEY SILTSTONE to SILTY CLAYSTONE. Deformed by widely spaced, inclined fractures and riddled by anastomosing shear bands. No reliable indicators of bedding orientation.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 20</td> <td>1, 100</td> </tr> <tr> <td>TEXTURE:</td> <td>D</td> <td>D</td> </tr> <tr> <td>Sand</td> <td>5</td> <td>—</td> </tr> <tr> <td>Silt</td> <td>4</td> <td>4</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>5</td> </tr> <tr> <td>COMPOSITION:</td> <td></td> <td></td> </tr> <tr> <td>Calcite</td> <td>2</td> <td>—</td> </tr> <tr> <td>Chlorite</td> <td>2</td> <td>—</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>4</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>3</td> </tr> <tr> <td>Glass</td> <td>3</td> <td>2</td> </tr> <tr> <td>Mca</td> <td>2</td> <td>—</td> </tr> <tr> <td>Nannofossils</td> <td>2</td> <td>—</td> </tr> <tr> <td>Oxide</td> <td>1</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>4</td> </tr> <tr> <td>Rock fragment</td> <td>3</td> <td>—</td> </tr> <tr> <td>Spicules</td> <td>2</td> <td>2</td> </tr> </table>		1, 20	1, 100	TEXTURE:	D	D	Sand	5	—	Silt	4	4	Clay	3	5	COMPOSITION:			Calcite	2	—	Chlorite	2	—	Clay	3	4	Feldspar	3	3	Glass	3	2	Mca	2	—	Nannofossils	2	—	Oxide	1	2	Quartz	3	4	Rock fragment	3	—	Spicules	2	2
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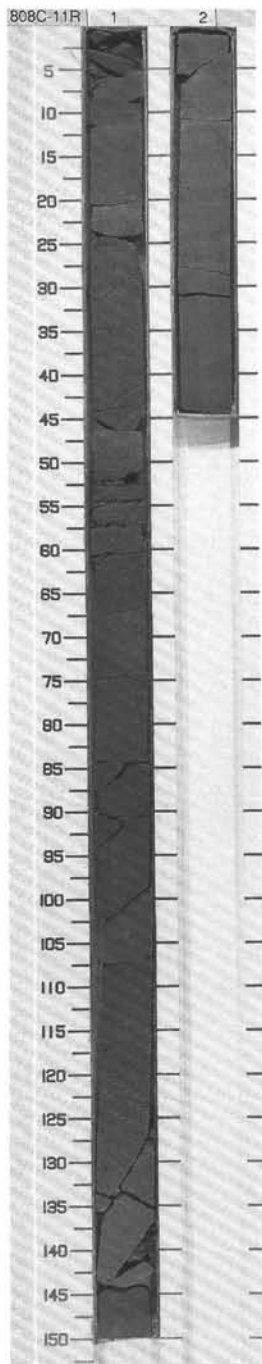


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																																													
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PLEISTOCENE					0-4.0	0-4.0		1	0.5		AKO	<p>CLAYEY SILTSTONE with SILTSTONE, SHALE, and SANDY SILTSTONE</p> <p>Major lithology: Dark gray (2.5Y 4/0) CLAYEY SILTSTONE with variable degrees of structural deformation. Spaced fractures and small anastomosing shear bands are common. Local mottling and small patches of fine sand or coarse silt are due to bioturbation and infilling of burrows. Sand patches occur in Section 1, 135-145 cm, and Section 3, 45-60 cm. One layer in Section 3 dips at a fairly consistent angle of 30° (apparent dip).</p> <p>Minor lithology: Laminated and massive SILTSTONE; dark gray (2.5Y 4/0). Laminae dip at an angle of approximately 75° in Section 1, 110-125 cm; this particular silty interval is underlain by a very thin interval of fine sand, thereby defining normal size grading.</p> <p>Minor lithology: SILTSTONE, SANDY SILTSTONE, and SANDY CLAYEY SILTSTONE; mixed and mottled by bioturbation.</p> <p>Minor lithology: Fissile, very dark gray to black (2.5Y 3/0 to 2.5Y 2/0) SHALE. Maximum bed thickness is 2 cm in Section 1, 136-147 cm. Very thin partings in the flaky shale are consistently oriented with an apparent dip of approximately 65°.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 95</td> <td>1, 120</td> <td>1, 145</td> <td>2, 16</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>---</td> <td>3</td> <td>2</td> <td>---</td> </tr> <tr> <td>Silt</td> <td>5</td> <td>5</td> <td>3</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>3</td> <td>5</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr><td>Amphibole</td><td>---</td><td>2</td><td>---</td><td>---</td></tr> <tr><td>Calcite</td><td>---</td><td>---</td><td>1</td><td>2</td></tr> <tr><td>Chlorite</td><td>2</td><td>---</td><td>---</td><td>1</td></tr> <tr><td>Clay</td><td>3</td><td>3</td><td>5</td><td>3</td></tr> <tr><td>Diatoms</td><td>1</td><td>2</td><td>---</td><td>---</td></tr> <tr><td>Epidote</td><td>---</td><td>1</td><td>---</td><td>---</td></tr> <tr><td>Feldspar</td><td>3</td><td>4</td><td>2</td><td>3</td></tr> <tr><td>Foraminifers</td><td>---</td><td>1</td><td>---</td><td>---</td></tr> <tr><td>Glass</td><td>3</td><td>3</td><td>2</td><td>3</td></tr> <tr><td>Mica</td><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>Nannofossils</td><td>2</td><td>2</td><td>---</td><td>---</td></tr> <tr><td>Oxide</td><td>2</td><td>---</td><td>2</td><td>2</td></tr> <tr><td>Pyroxene</td><td>2</td><td>---</td><td>---</td><td>---</td></tr> <tr><td>Quartz</td><td>3</td><td>4</td><td>3</td><td>4</td></tr> <tr><td>Radiolarians</td><td>---</td><td>2</td><td>---</td><td>1</td></tr> <tr><td>Rock fragment</td><td>2</td><td>3</td><td>1</td><td>2</td></tr> <tr><td>Spicules</td><td>2</td><td>2</td><td>---</td><td>2</td></tr> </table>		1, 95	1, 120	1, 145	2, 16		D	D	M	D	Sand	---	3	2	---	Silt	5	5	3	5	Clay	3	3	5	4	Amphibole	---	2	---	---	Calcite	---	---	1	2	Chlorite	2	---	---	1	Clay	3	3	5	3	Diatoms	1	2	---	---	Epidote	---	1	---	---	Feldspar	3	4	2	3	Foraminifers	---	1	---	---	Glass	3	3	2	3	Mica	2	2	2	2	Nannofossils	2	2	---	---	Oxide	2	---	2	2	Pyroxene	2	---	---	---	Quartz	3	4	3	4	Radiolarians	---	2	---	1	Rock fragment	2	3	1	2	Spicules	2	2	---	2
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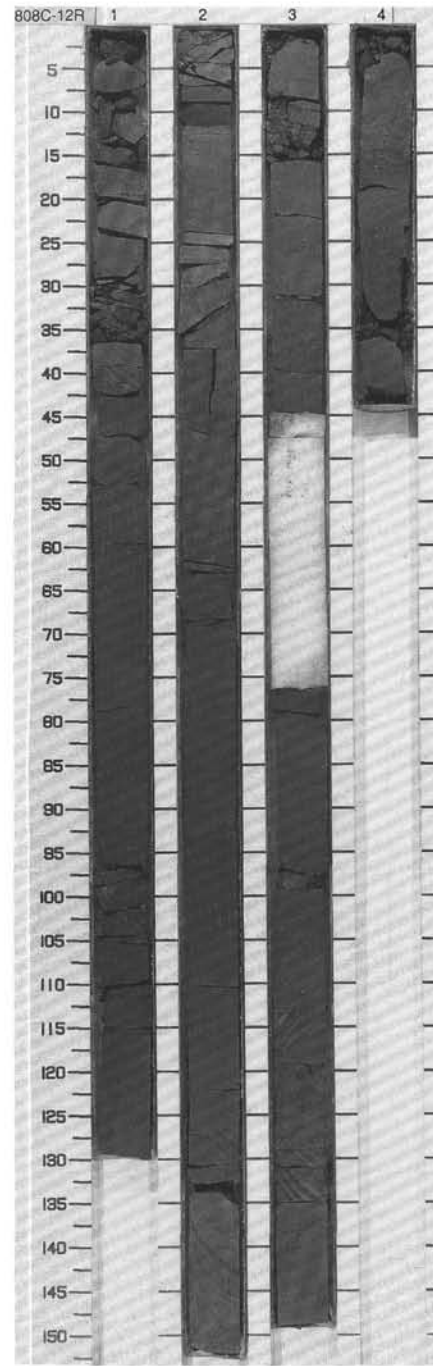


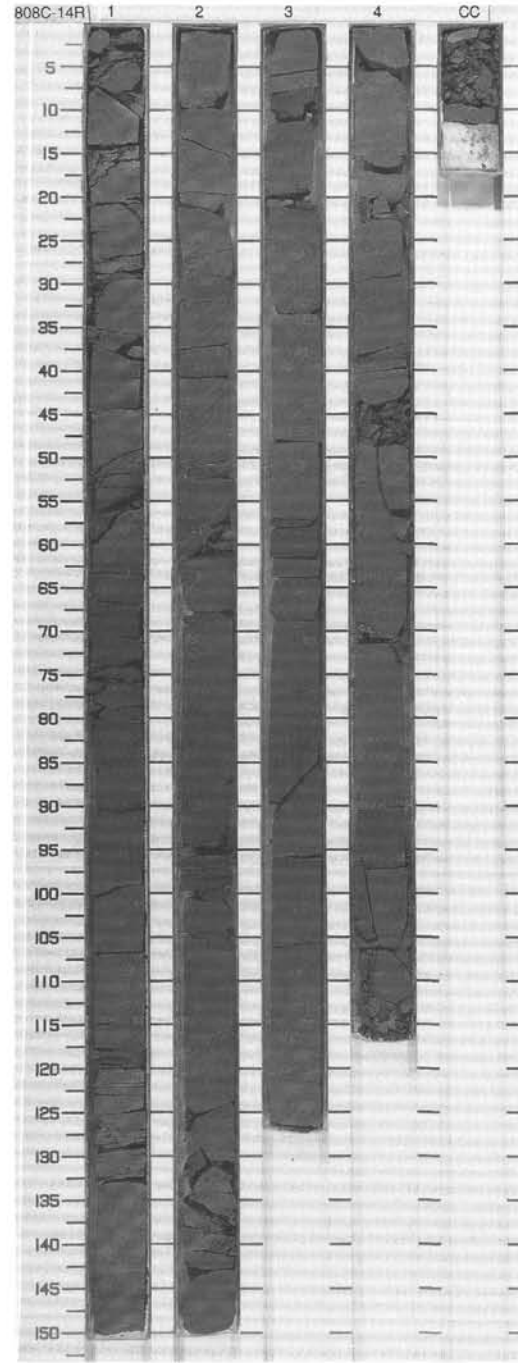
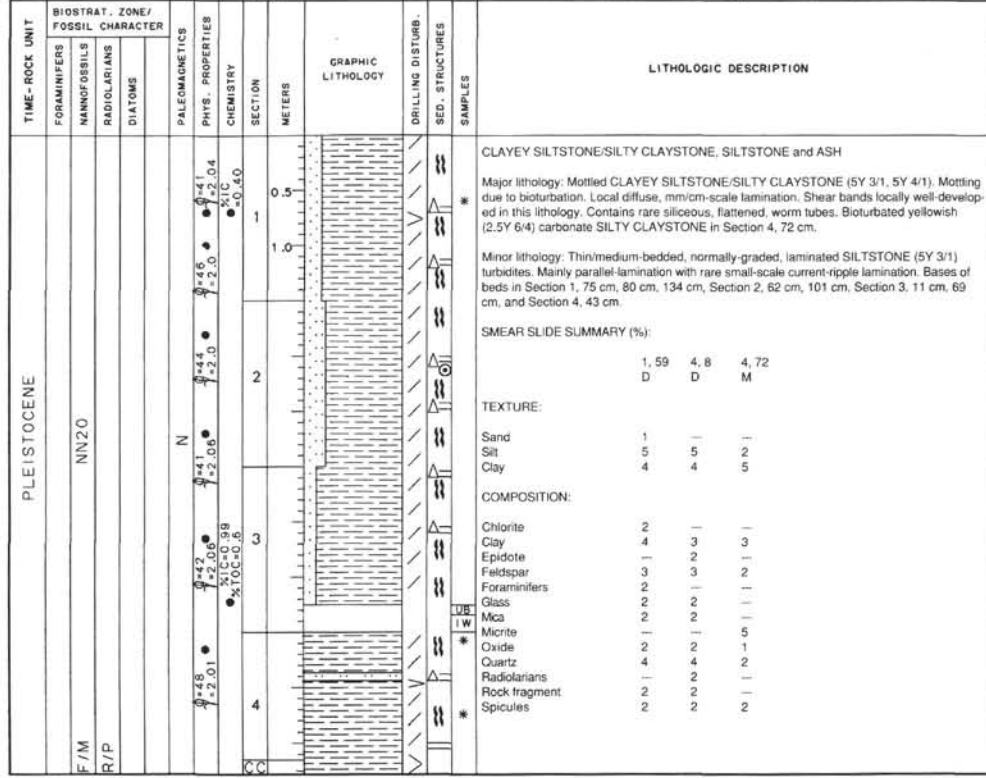
SITE 808 HOLE C CORE 11R CORED INTERVAL 5069.4-5079.2 mbsl; 394.8-404.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																						
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PLEISTOCENE								1	0.5	[Lithology: Dotted pattern]				<p>CLAYEY SILTSTONE and SILTY CLAYSTONE with SILTSTONE</p> <p>Major lithology: Dark gray (2.5Y 4/0) CLAYEY SILTSTONE grading upward to SILTY CLAYSTONE. Local deformation bands and spaced subhorizontal fractures, but otherwise mildly deformed. Parallel laminae are subhorizontal. Moderate amounts of bioturbation, mottling, and isolated patches of fine sand to coarse silt.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1,45</td> <td>1,90</td> </tr> <tr> <td>M</td> <td></td> <td></td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>5</td> <td>4</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr><td>Amphibole</td><td>1</td><td>—</td></tr> <tr><td>Calcite</td><td>—</td><td>1</td></tr> <tr><td>Clay</td><td>3</td><td>5</td></tr> <tr><td>Diatoms</td><td>2</td><td>—</td></tr> <tr><td>Feldspar</td><td>3</td><td>3</td></tr> <tr><td>Foraminifers</td><td>2</td><td>2</td></tr> <tr><td>Glass</td><td>3</td><td>—</td></tr> <tr><td>Mica</td><td>2</td><td>2</td></tr> <tr><td>Nannofossils</td><td>2</td><td>2</td></tr> <tr><td>Oxide</td><td>2</td><td>1</td></tr> <tr><td>Quartz</td><td>3</td><td>3</td></tr> <tr><td>Radiolarians</td><td>2</td><td>—</td></tr> <tr><td>Rock fragment</td><td>2</td><td>—</td></tr> <tr><td>Spicules</td><td>2</td><td>2</td></tr> </table>		1,45	1,90	M			Silt	5	4	Clay	3	5	Amphibole	1	—	Calcite	—	1	Clay	3	5	Diatoms	2	—	Feldspar	3	3	Foraminifers	2	2	Glass	3	—	Mica	2	2	Nannofossils	2	2	Oxide	2	1	Quartz	3	3	Radiolarians	2	—	Rock fragment	2	—	Spicules	2	2
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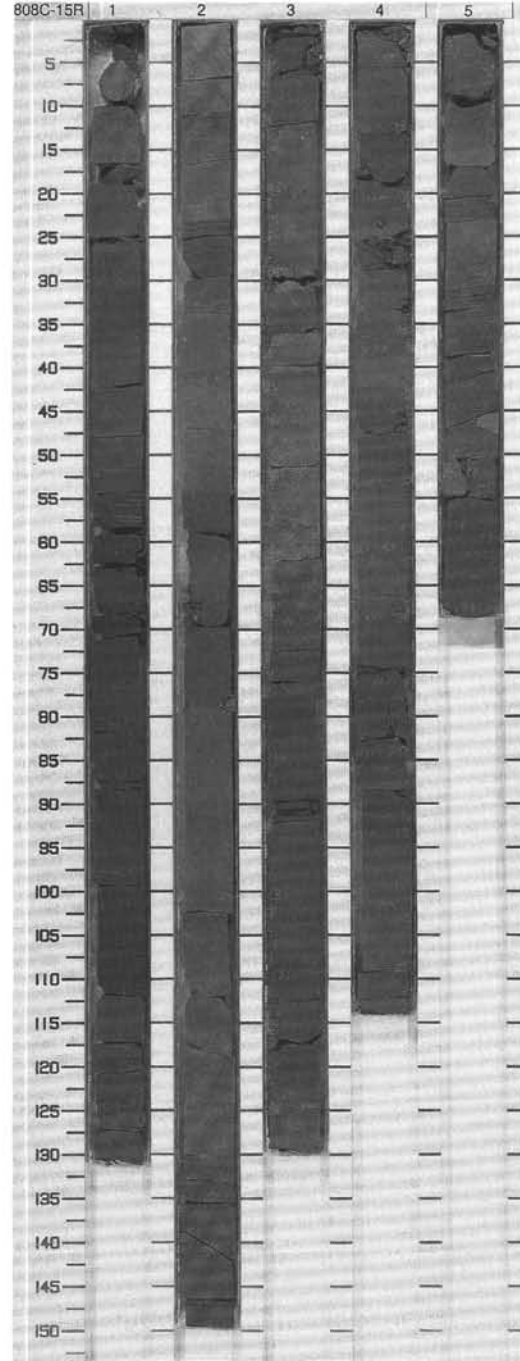
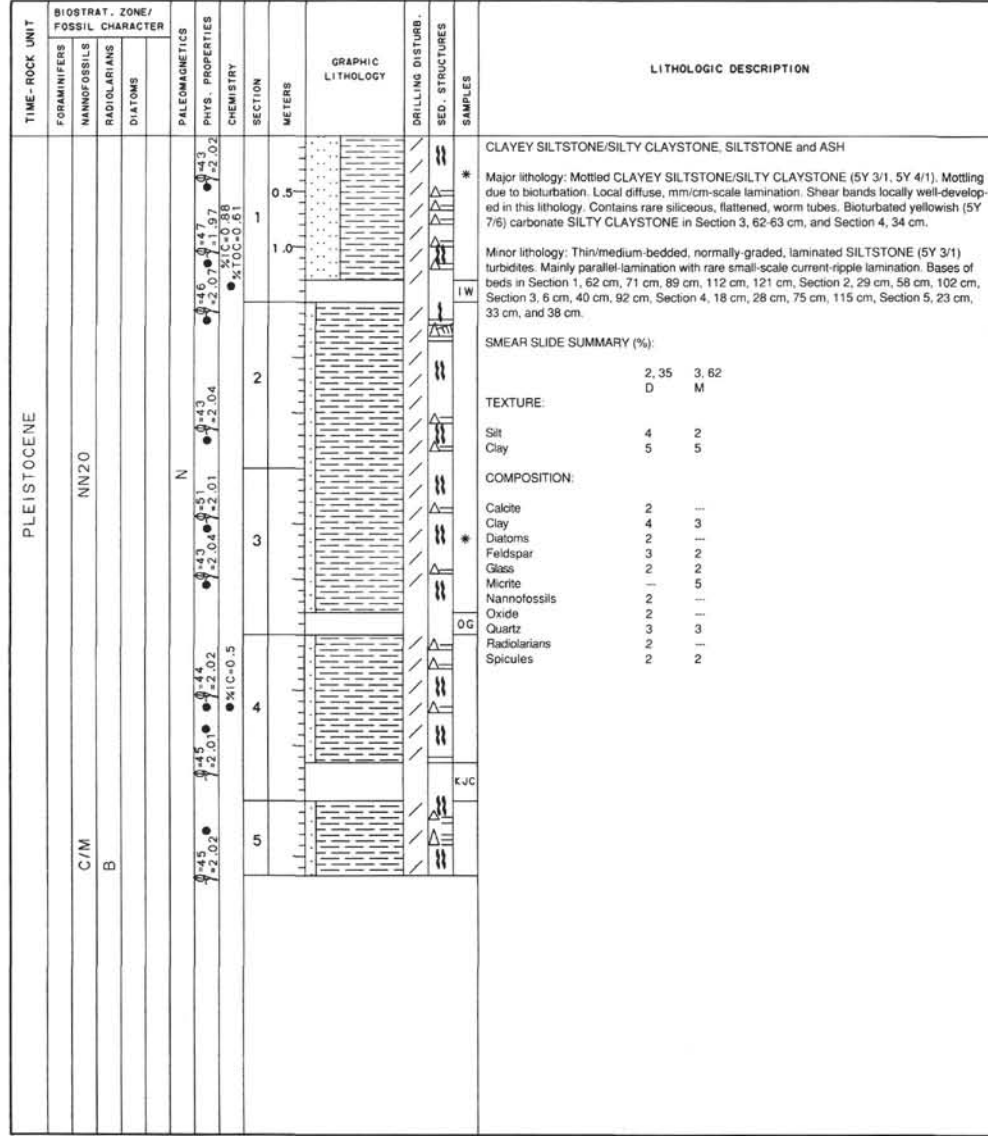


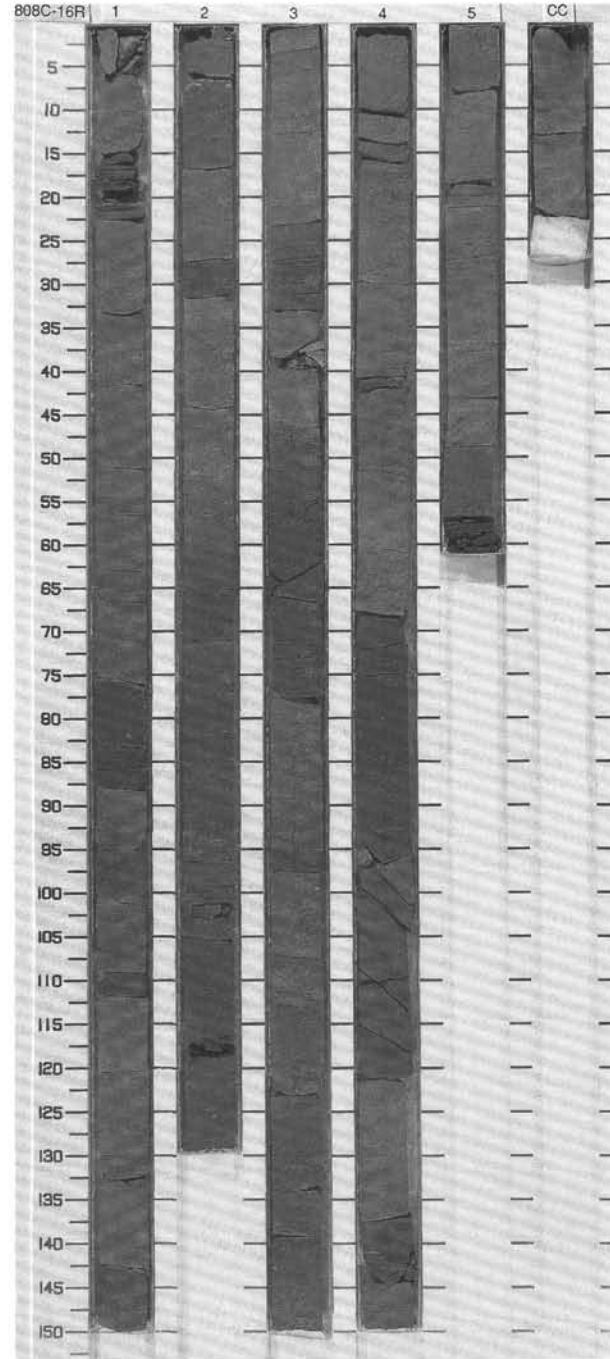
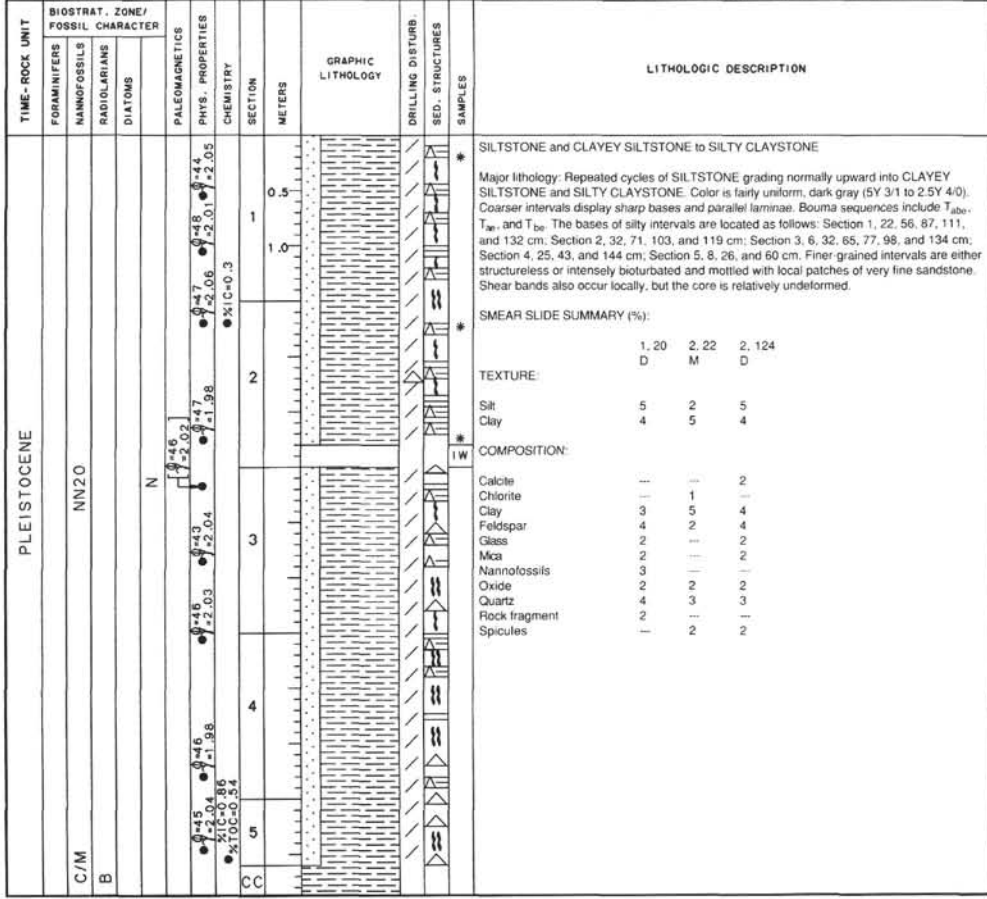
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																																																								
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PLEISTOCENE														<p>CLAYEY SILTSTONE/SILTY CLAYSTONE, SILTSTONE and CONGLOMERATE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 3/1, 5Y 4/1). Mottling due to bioturbation. Shear bands appear best developed in intervals with less intense bioturbation. Rare siliceous worm tubes.</p> <p>Minor lithology: Very thin to medium bedded, laminated, SILTSTONE (5Y 3/1). Mainly parallel, but rare current-ripple, lamination. Bases of beds at Section 1, 37 cm, 102 cm, 115 cm, 130 cm, Section 2, 11 cm, 27 cm, 69 cm, and 134 cm.</p> <p>Minor lithology: Structureless mud (clayey silt)-clast CONGLOMERATE (5Y 3/1) at Section 4, 0-37 cm. Finer interval lacking large mud clasts at Section 4, 25-37 cm. Mud clasts up to minimum 9 cm maximum dimension. Estimated 40% silt/clay matrix, 20% granules-coarse sand fraction, 40% medium-very fine sand. Abundant plant material, long axes define crude stratification suggesting horizontal bedding. Large mud clasts show partial brecciation by injection of matrix into clasts, such as Section 4, 9-13 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 57</td> <td>1, 95</td> <td>2, 75</td> <td>3, 5</td> <td>4, 26</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>M</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>4</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Amphibole</td> <td>—</td> <td>—</td> <td>—</td> <td>1</td> <td>—</td> </tr> <tr> <td>Calcite</td> <td>—</td> <td>—</td> <td>1</td> <td>—</td> <td>—</td> </tr> <tr> <td>Chlorite</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> <tr> <td>Diatoms</td> <td>2</td> <td>—</td> <td>—</td> <td>1</td> <td>—</td> </tr> <tr> <td>Epidote</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>Foraminifers</td> <td>—</td> <td>2</td> <td>1</td> <td>2</td> <td>—</td> </tr> <tr> <td>Glass</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>—</td> </tr> <tr> <td>Nannofossils</td> <td>—</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>1</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>4</td> <td>3</td> <td>4</td> <td>4</td> <td>4</td> </tr> <tr> <td>Radiolarians</td> <td>—</td> <td>—</td> <td>1</td> <td>—</td> <td>2</td> </tr> <tr> <td>Rock fragment</td> <td>2</td> <td>2</td> <td>1</td> <td>2</td> <td>2</td> </tr> <tr> <td>Spicules</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> </table>		1, 57	1, 95	2, 75	3, 5	4, 26		D	D	D	D	M	Silt	5	5	5	5	4	Clay	4	4	4	4	5	Amphibole	—	—	—	1	—	Calcite	—	—	1	—	—	Chlorite	—	2	—	—	—	Clay	4	4	4	4	4	Diatoms	2	—	—	1	—	Epidote	—	2	—	—	—	Feldspar	3	3	3	3	3	Foraminifers	—	2	1	2	—	Glass	2	2	2	2	2	Mica	2	2	2	2	—	Nannofossils	—	—	2	—	—	Oxide	2	1	2	2	2	Quartz	4	3	4	4	4	Radiolarians	—	—	1	—	2	Rock fragment	2	2	1	2	2	Spicules	2	2	2	2	2
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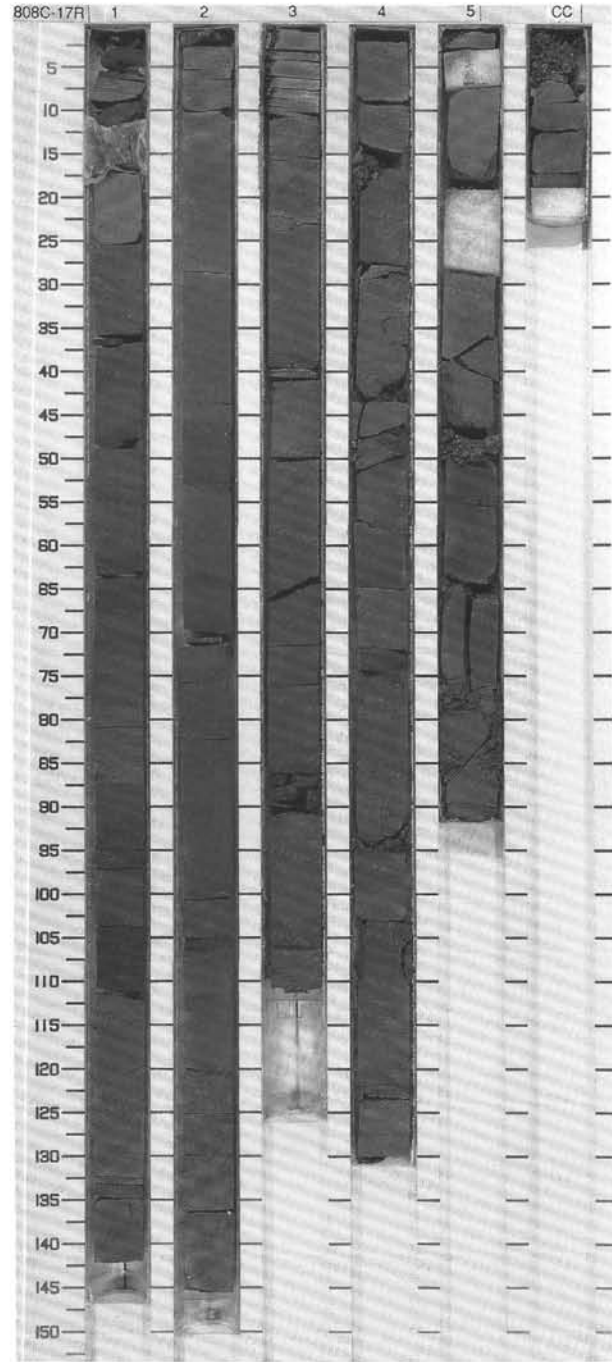
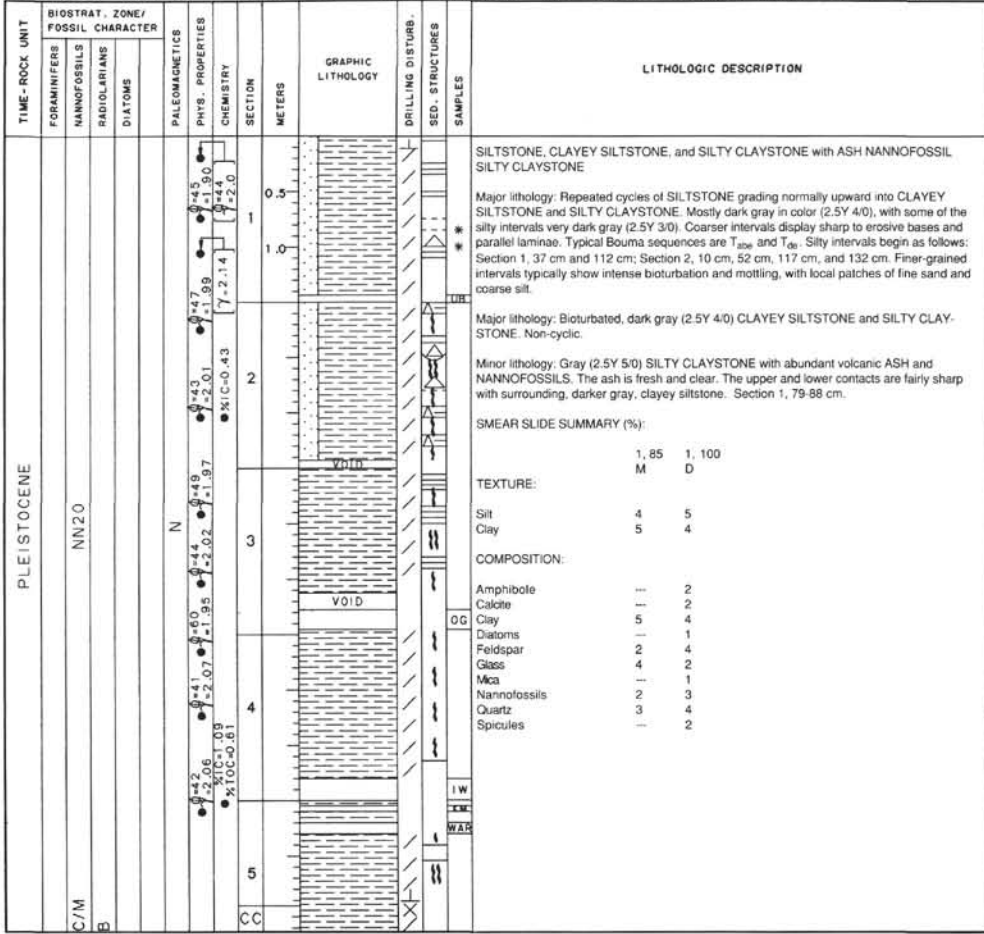


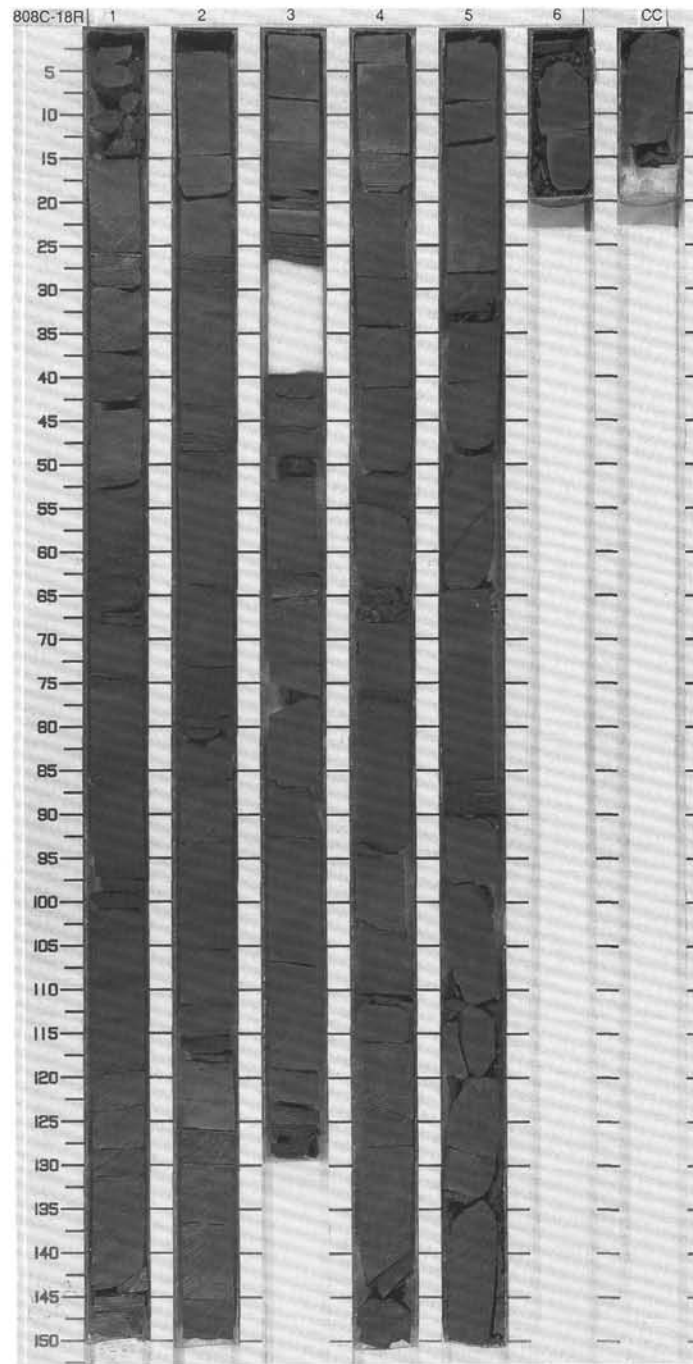
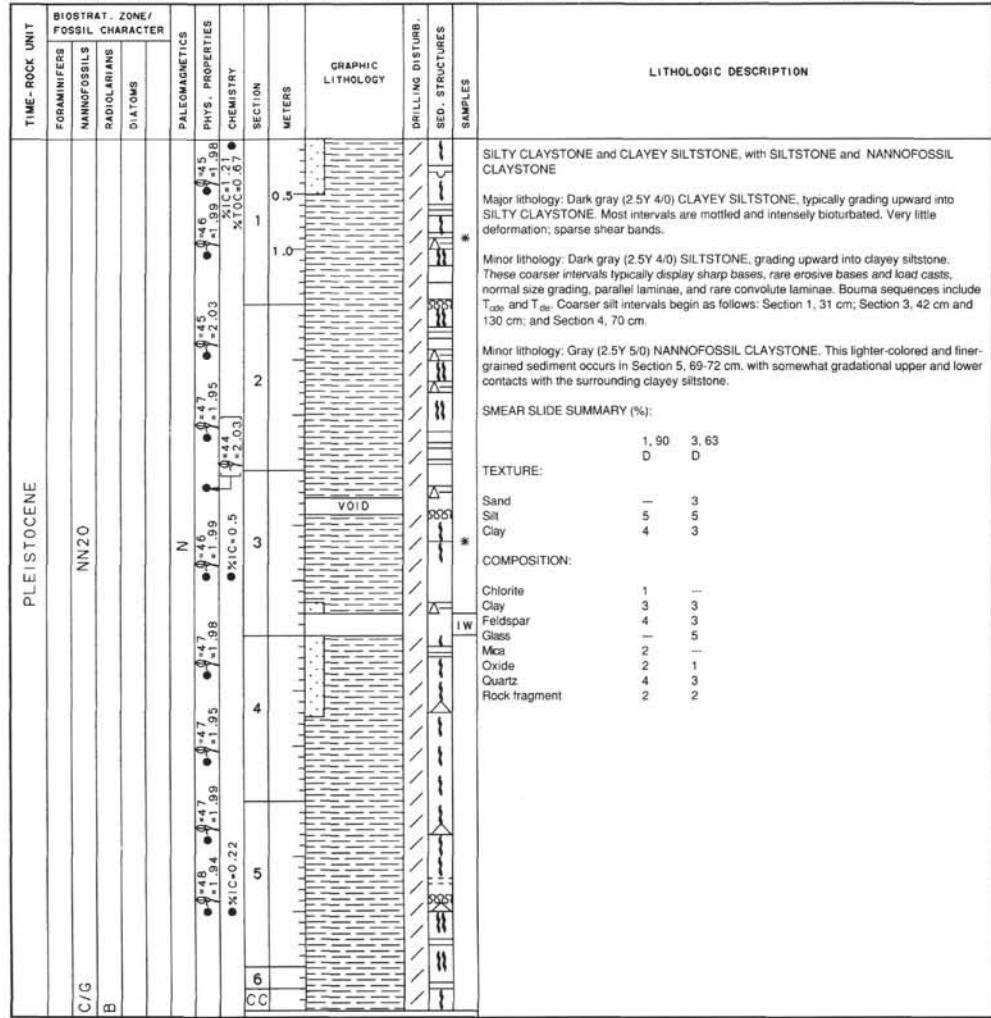
SITE 808 HOLE C CORE 15R CORED INTERVAL 5108.3-5117.6 mbsl; 433.7-443.0 mbsf



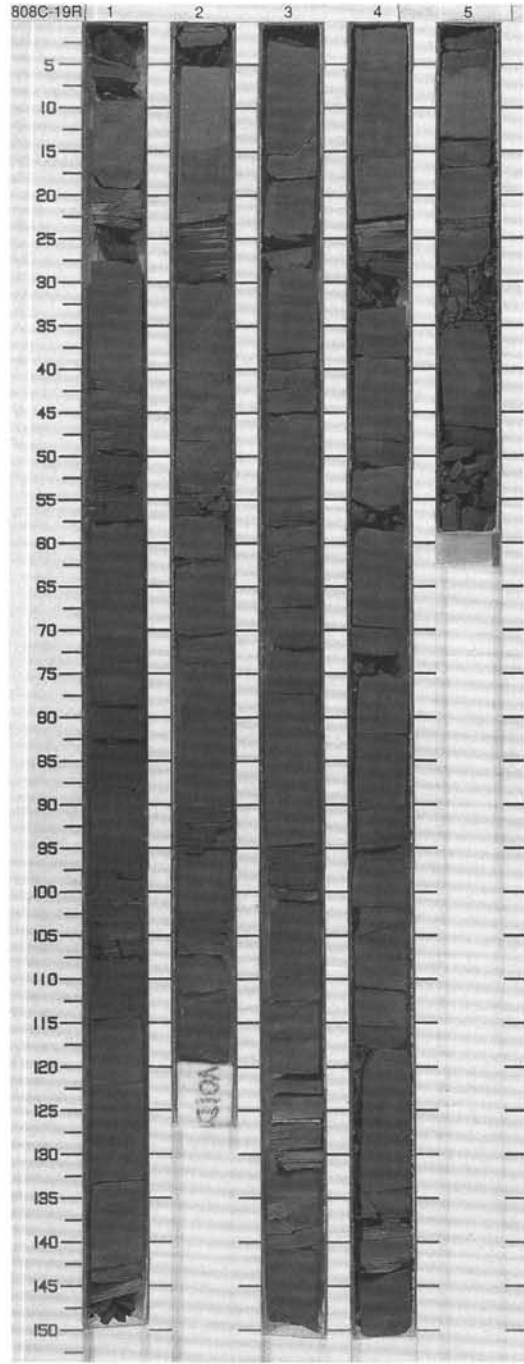
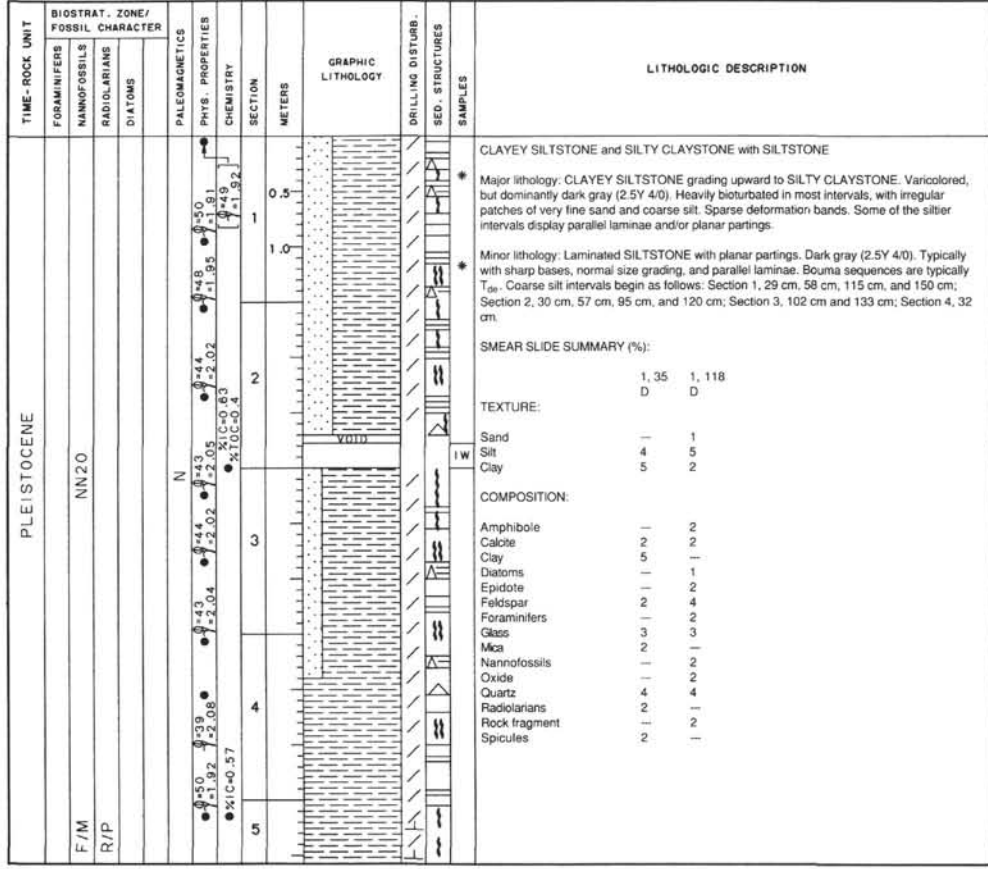


SITE 808 HOLE C CORE 17R CORED INTERVAL 5127.3-5137.0 mbsl; 452.7-462.4 mbsf

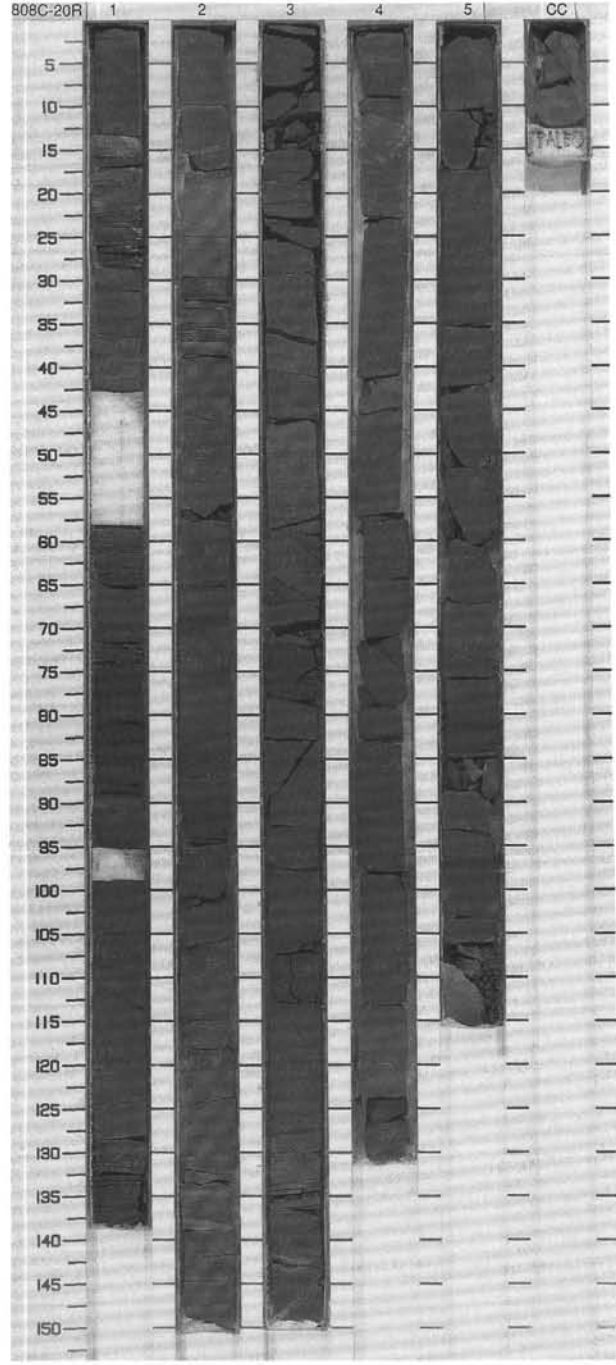




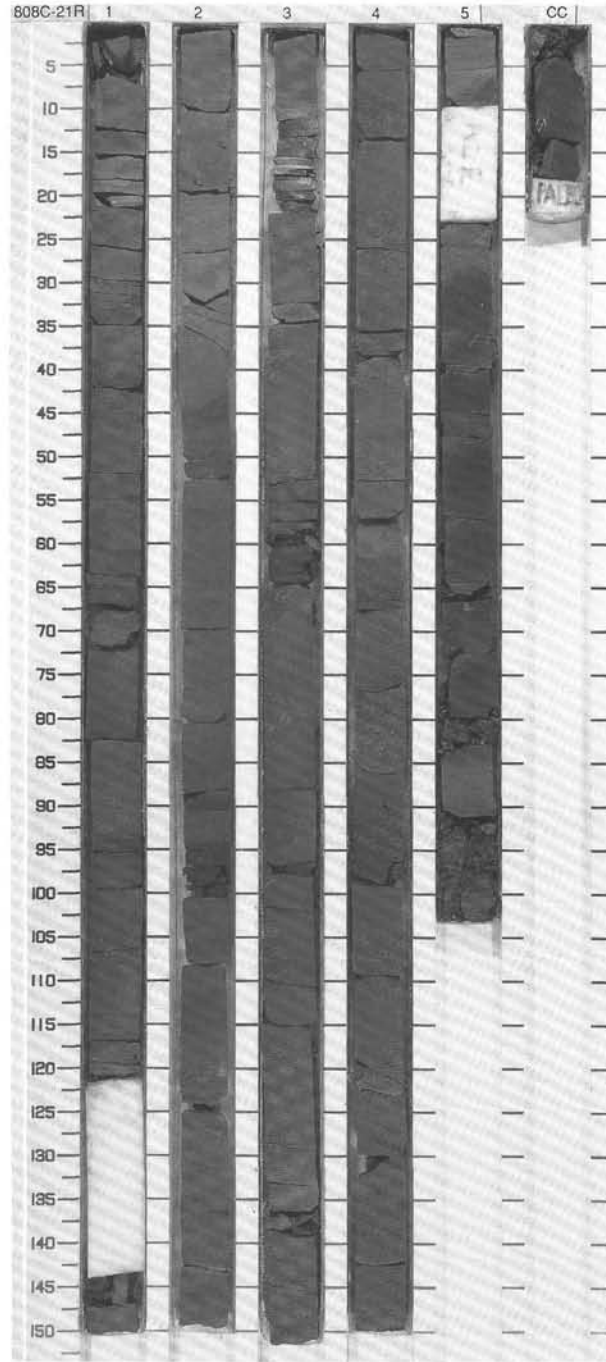
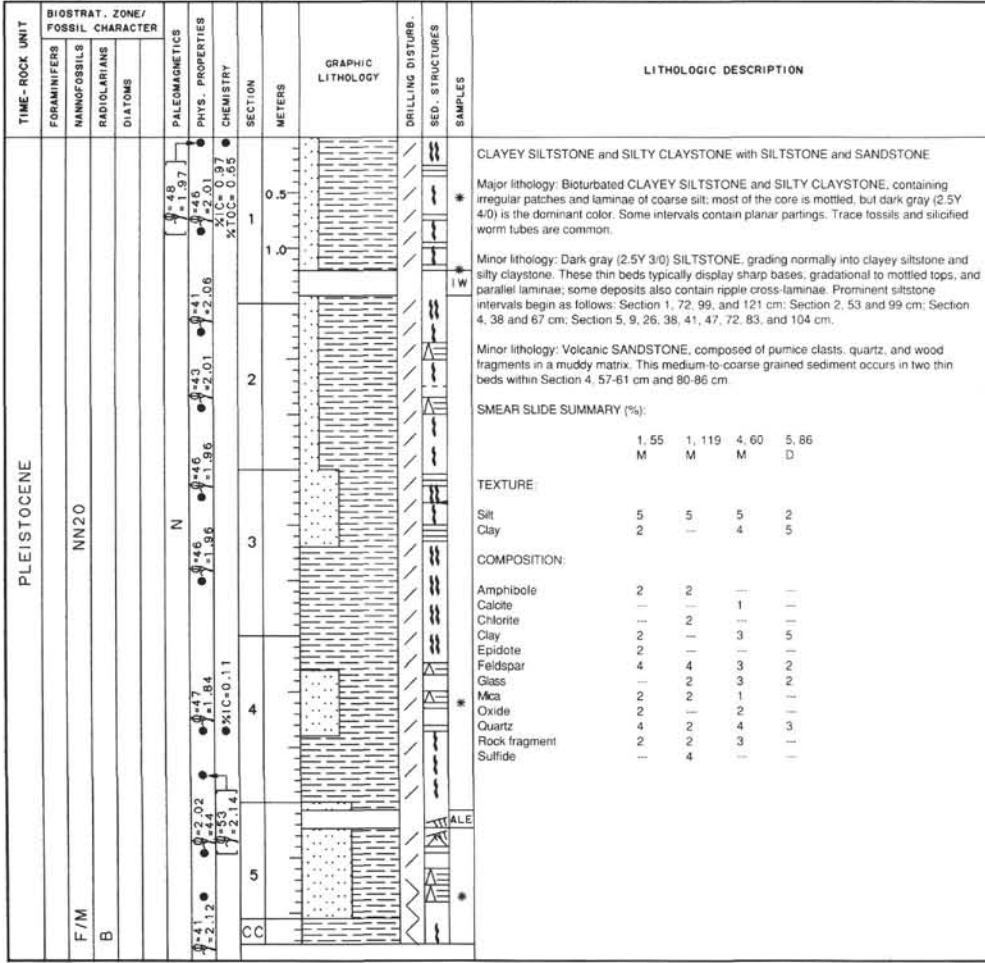
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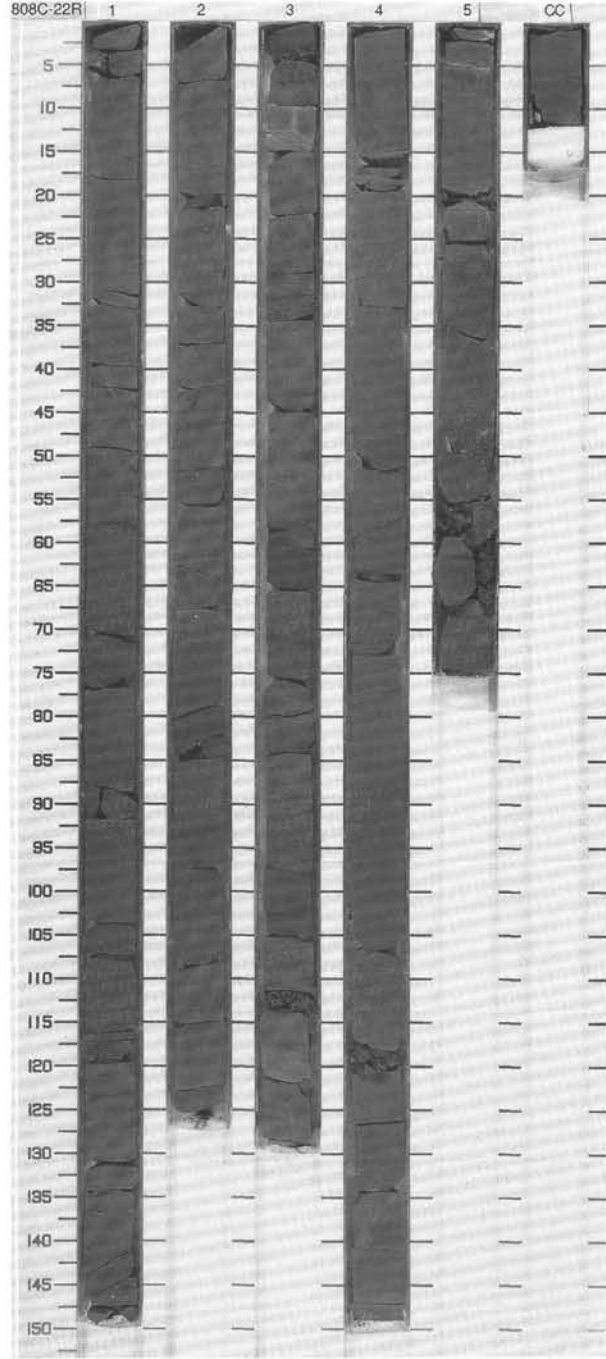
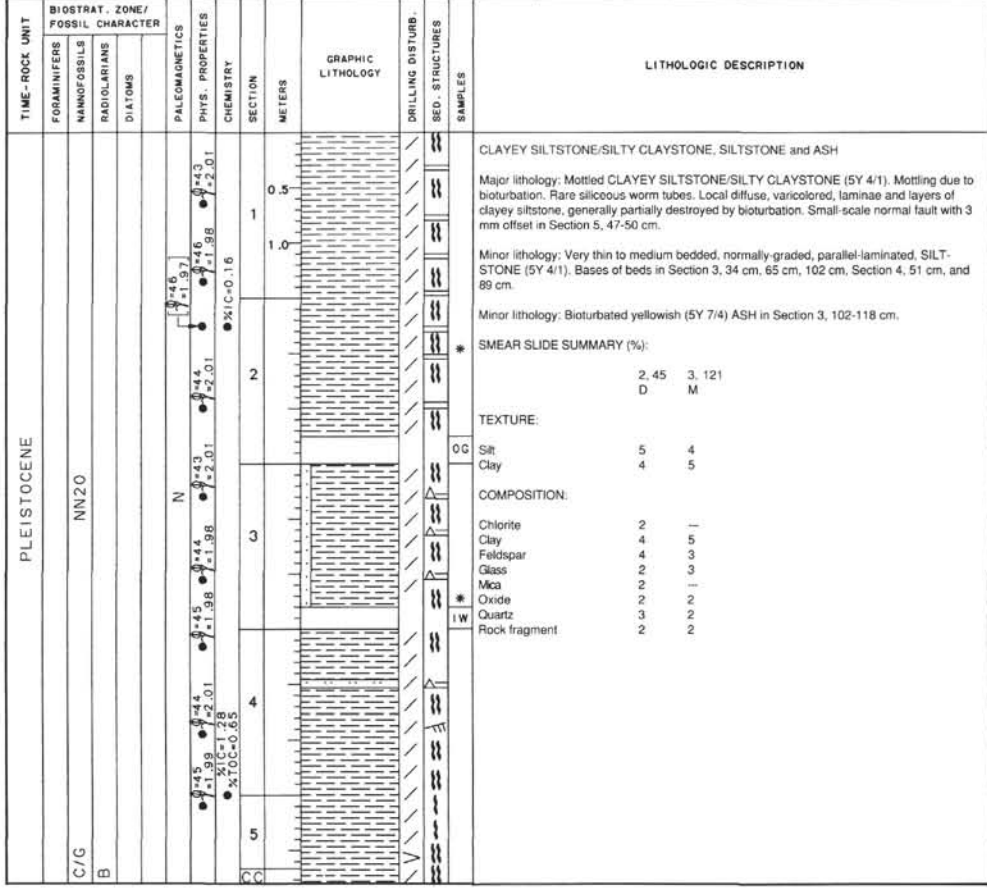


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																																										
PLEISTOCENE														<p>SILTY CLAYSTONE and CLAYEY SILTSTONE with SILTSTONE</p> <p>Major lithology: CLAYEY SILTSTONE grading upward into SILTY CLAYSTONE. Most intervals are intensely bioturbated and mottled. Dominant color is dark gray (2.5Y 4/0). Irregular patches of coarse silt are dispersed throughout. Intervals with greater percentages of silt tend to develop planar partings parallel to laminae. A mottled interval in Section 1, 90-91 cm, contains a distinctive mixture of lighter colored nannofossil claystone and the normal silty claystone.</p> <p>Minor lithology: Laminated, dark gray (2.5Y4/0) SILTSTONE. Intervals display one or more of the following: sharp bases, normal grading, parallel laminae, rare ripple cross-laminae, planar partings. Bouma sequences include T_{dep}-T_{de}. These silty turbidites grade upward into clayey siltstone. The coarsest deposits begin at the following intervals: Section 1, 28 cm, 83 cm, and 139 cm; Section 2, 38 cm and 118 cm; and Section 3, 107 and 113 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 25</td> <td>1, 91</td> </tr> <tr> <td>TEXTURE:</td> <td>D</td> <td>M</td> </tr> <tr> <td>Silt</td> <td>5</td> <td>3</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Calcite</td> <td>—</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>5</td> </tr> <tr> <td>Feldspar</td> <td>4</td> <td>2</td> </tr> <tr> <td>Foraminifers</td> <td>2</td> <td>—</td> </tr> <tr> <td>Glass</td> <td>3</td> <td>—</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>—</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>4</td> <td>3</td> </tr> <tr> <td>Radiolarians</td> <td>2</td> <td>—</td> </tr> <tr> <td>Rock fragment</td> <td>3</td> <td>—</td> </tr> <tr> <td>Spicules</td> <td>2</td> <td>2</td> </tr> <tr> <td>Zircon</td> <td>1</td> <td>—</td> </tr> </table>		1, 25	1, 91	TEXTURE:	D	M	Silt	5	3	Clay	2	5	Calcite	—	2	Clay	2	5	Feldspar	4	2	Foraminifers	2	—	Glass	3	—	Mica	2	—	Oxide	2	2	Quartz	4	3	Radiolarians	2	—	Rock fragment	3	—	Spicules	2	2	Zircon	1	—
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Zircon	1	—																																																												

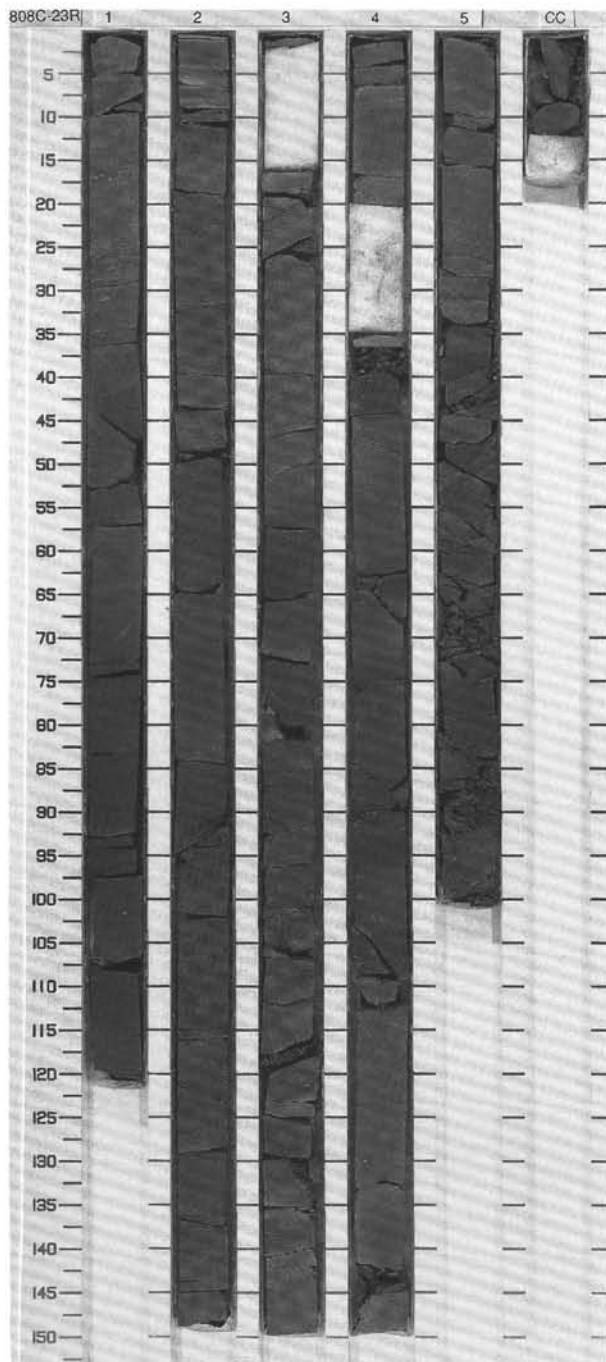
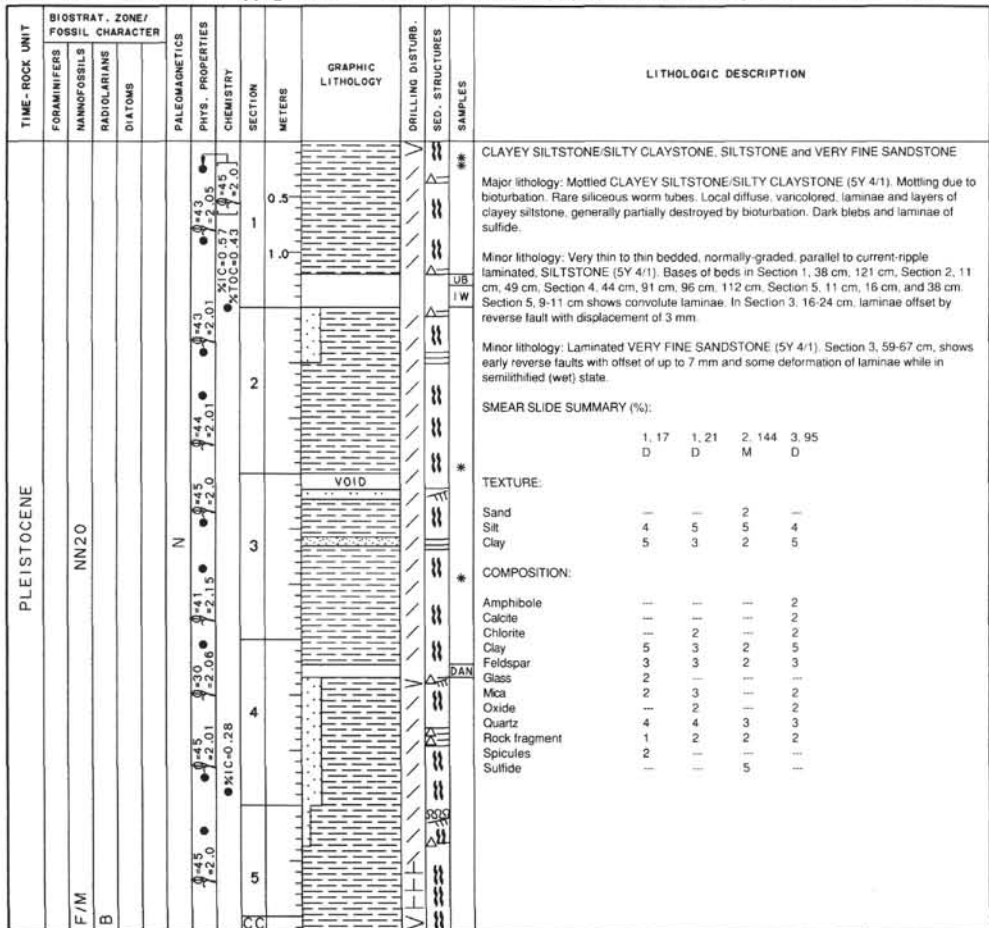


SITE 808 HOLE C CORE 21R CORED INTERVAL 5165.9-5175.6 mbsl: 491.3-501.0 mbsf

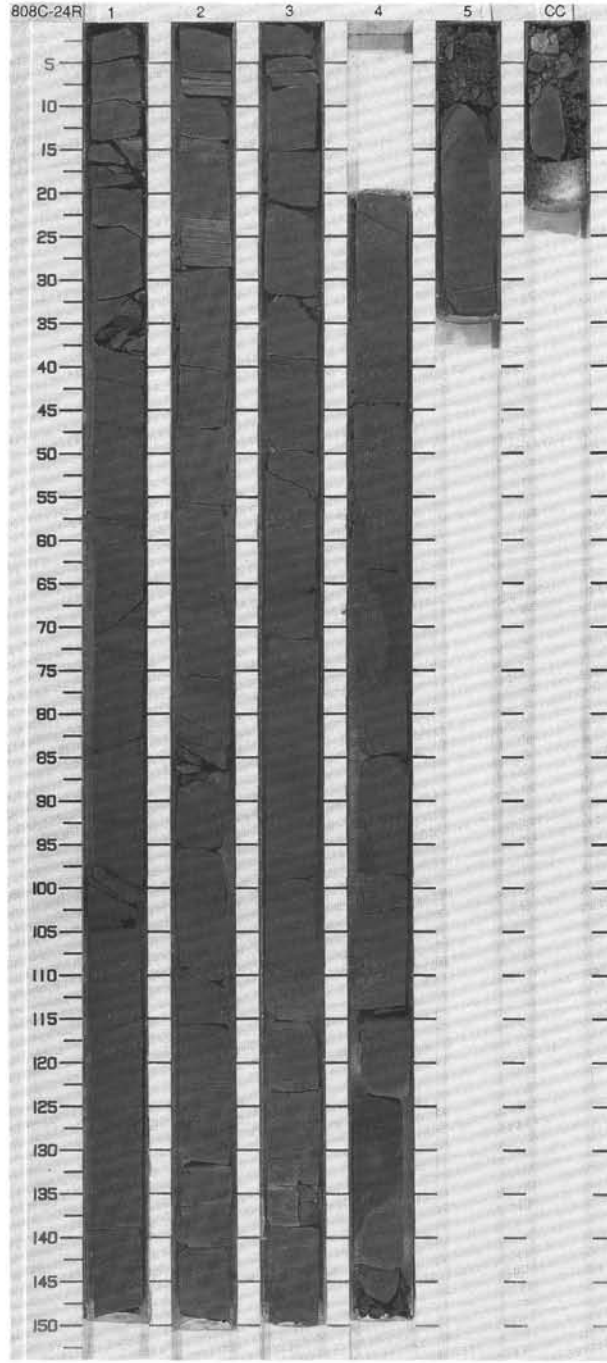




SITE 808 HOLE C CORE 23R CORED INTERVAL 5185.3-5194.9 mbsl: 510.7-520.3 mbsf



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											
PLEISTOCENE	NN20				N 43 2.06 46 1.99 47 1.88 48 1.89 49 1.17 *%IC=0.54	0.5				CLAYEY SILTSTONE/SILTY CLAYSTONE and SILTSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1). Mottling due to bioturbation. Rare siliceous worm tubes. Local diffuse, varicolored, laminae and layers of clayey siltstone, generally partially destroyed by bioturbation. Dark blebs and laminae of sulfide. Well-developed shear bands/zones locally occur, such as Section 5, 9-34 cm. Minor lithology: Very thin to thin bedded, normally-graded, parallel to current-ripple laminated, SILTSTONE (5Y 4/1). Bases of beds in Section 1, 14 cm, 55.5 cm, 58 cm, Section 2, 7 cm, 23 cm, 56 cm, Section 3, 7 cm, Section 4, 45.5 cm, and 63 cm. SMEAR SLIDE SUMMARY (%): Silt 3, 80 Clay D TEXTURE: Silt 5 Clay 4 COMPOSITION: Chlorite 1 Clay 3 Feldspar 3 Glass 3 Quartz 4 Rock fragment 2 Spicules 2					
	C/M	B				1									
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						3									
						4									
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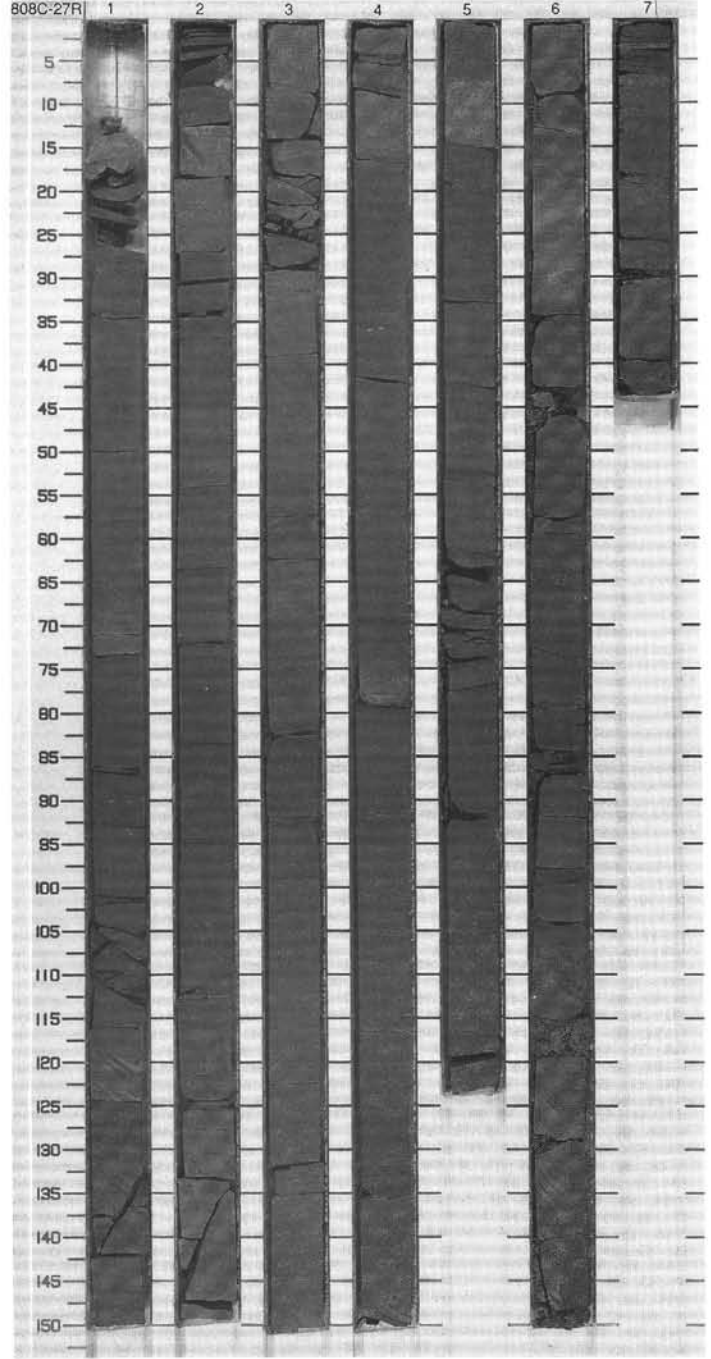
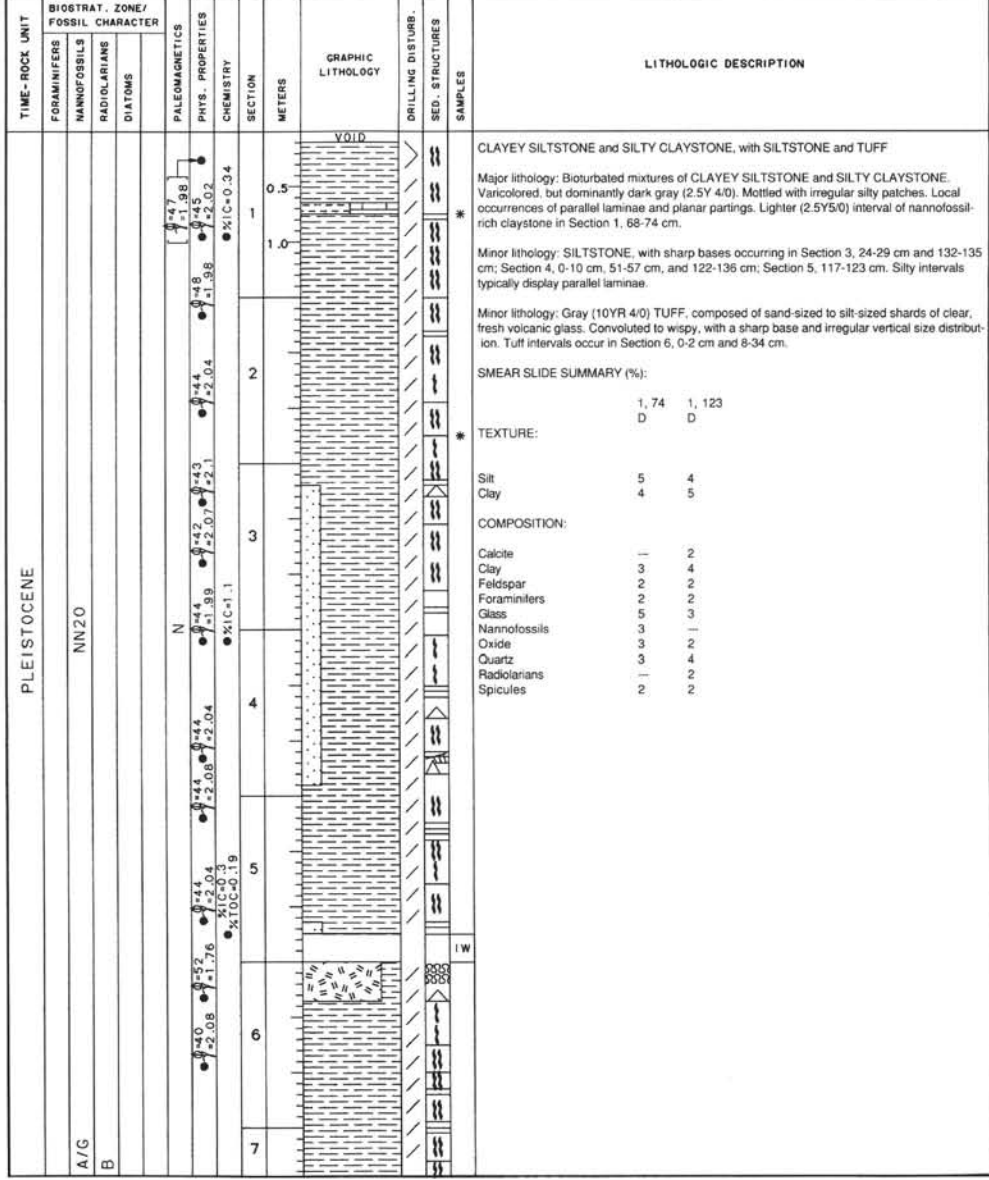


SITE 808 HOLE C CORE 25R CORED INTERVAL 5204.6-5214.3 mbsl; 530.0-539.7 mbsf

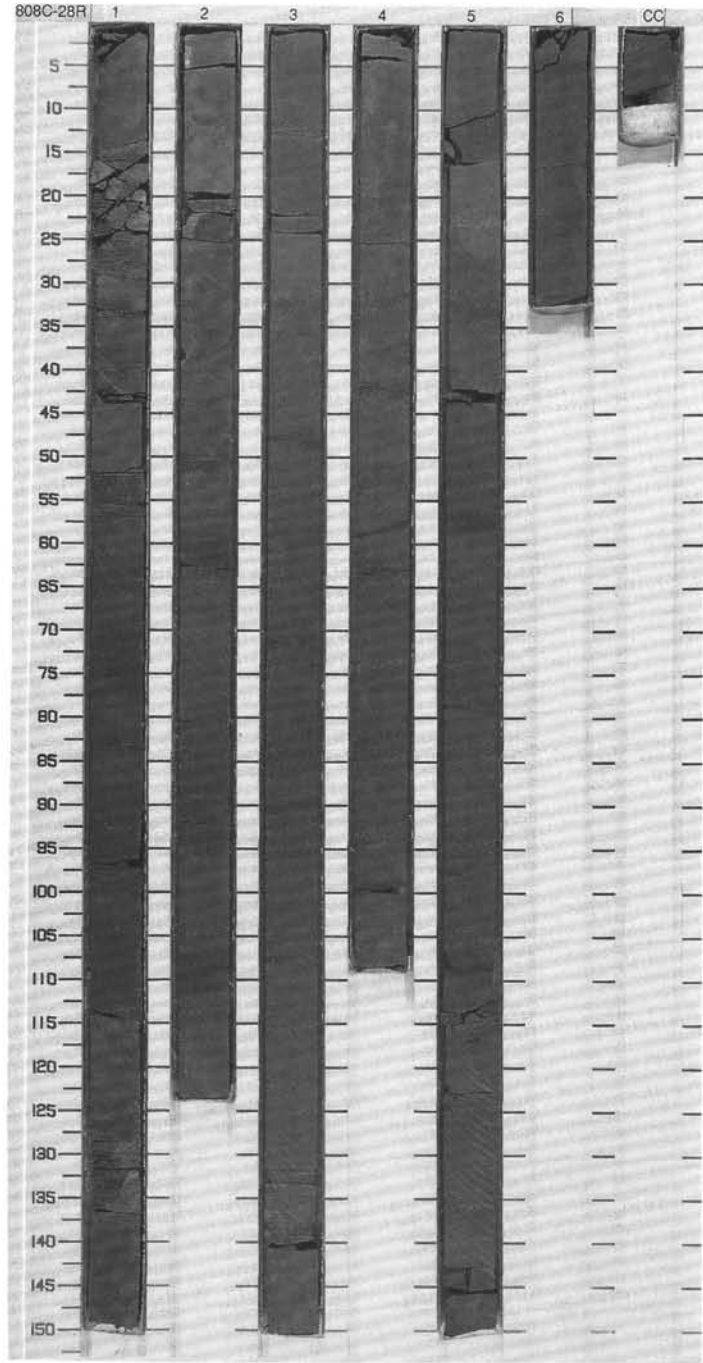
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																												
	FORAMINIFERS	MAMMOFOSILS	RADIOLARIANS	DIATOMS																																					
PLEISTOCENE													<p>CLAYEY SILTSTONE/SILTY CLAYSTONE and SILTSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1). Mottling due to bioturbation. Rare siliceous worm tubes. Local diffuse, var-colored, laminae and layers of clayey siltstone, generally partially destroyed by bioturbation. Rare siliceous worm tubes occur throughout lithology. Dark blebs and laminae of sulfide. Section 3, 18-40 cm. shows complex deformation patterns due to two superimposed shear directions and contains highly fractured parts.</p> <p>Minor lithology: Very thin to thin bedded, normally-graded, parallel to current-ripple laminated, SILTSTONE (5Y 4/1). Bases of beds in Section 1, 48 cm, Section 2, 107 cm, 127 cm, and Section 3, 86 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td>Silt</td><td>2, 95</td></tr> <tr><td>D</td><td></td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Silt</td><td>5</td></tr> <tr><td>Clay</td><td>4</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Chlorite</td><td>2</td></tr> <tr><td>Clay</td><td>3</td></tr> <tr><td>Diatoms</td><td>2</td></tr> <tr><td>Feldspar</td><td>3</td></tr> <tr><td>Mca</td><td>2</td></tr> <tr><td>Oxide</td><td>2</td></tr> <tr><td>Quartz</td><td>4</td></tr> <tr><td>Radiolarians</td><td>2</td></tr> <tr><td>Rock fragment</td><td>2</td></tr> <tr><td>Spicules</td><td>2</td></tr> </table>	Silt	2, 95	D		Silt	5	Clay	4	Chlorite	2	Clay	3	Diatoms	2	Feldspar	3	Mca	2	Oxide	2	Quartz	4	Radiolarians	2	Rock fragment	2	Spicules	2
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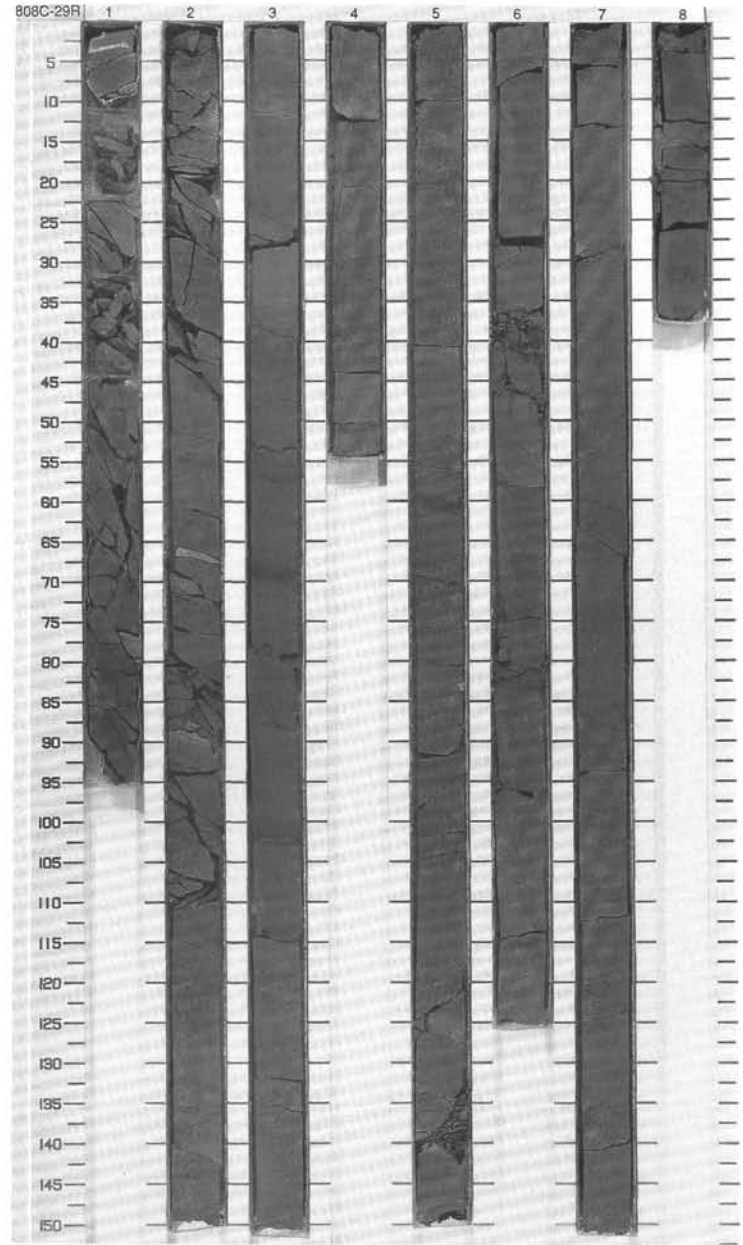
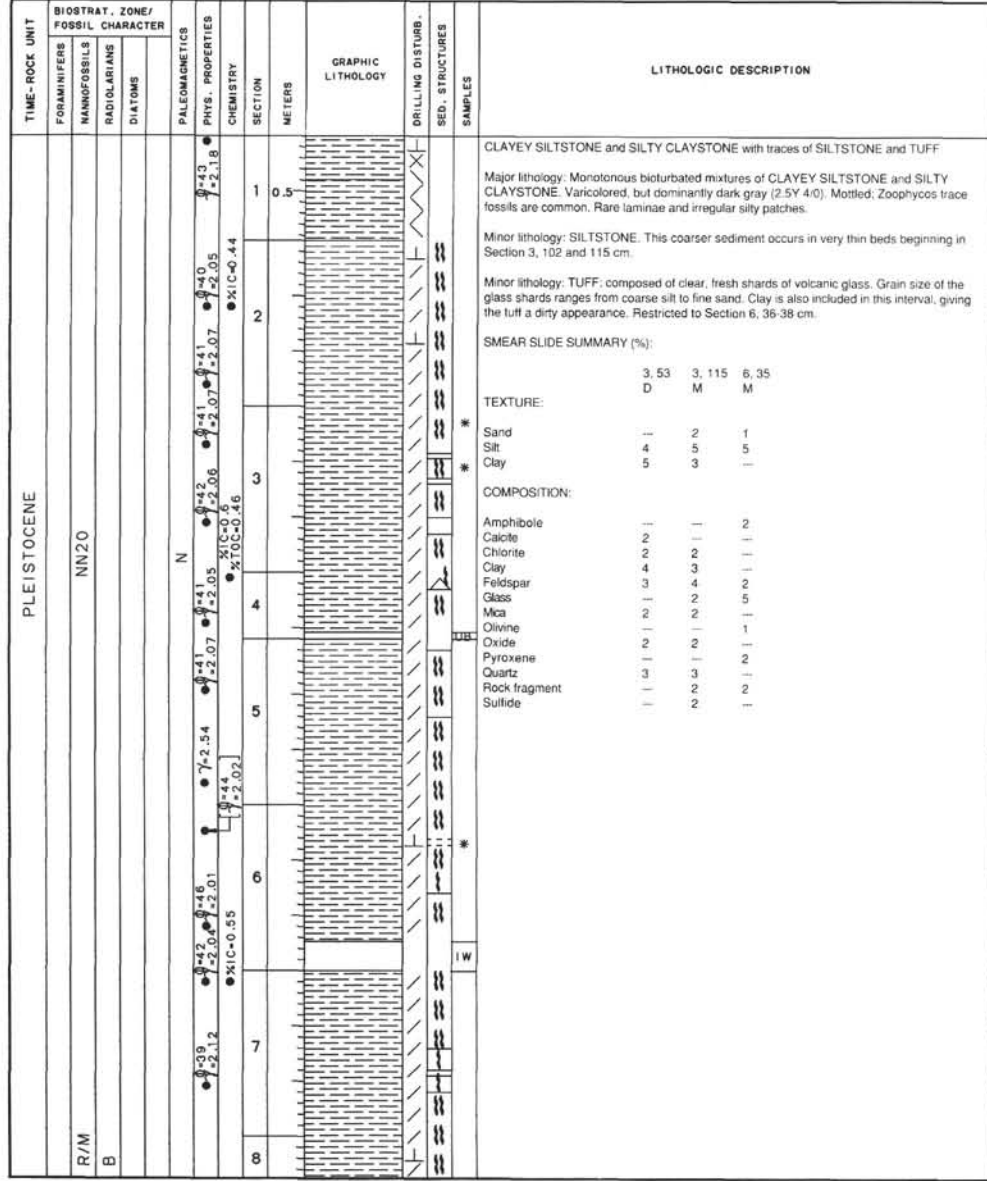
SITE 808 HOLE C CORE 27R CORED INTERVAL 5223.9-5233.5 mbsl; 549.3-558.9 mbsf

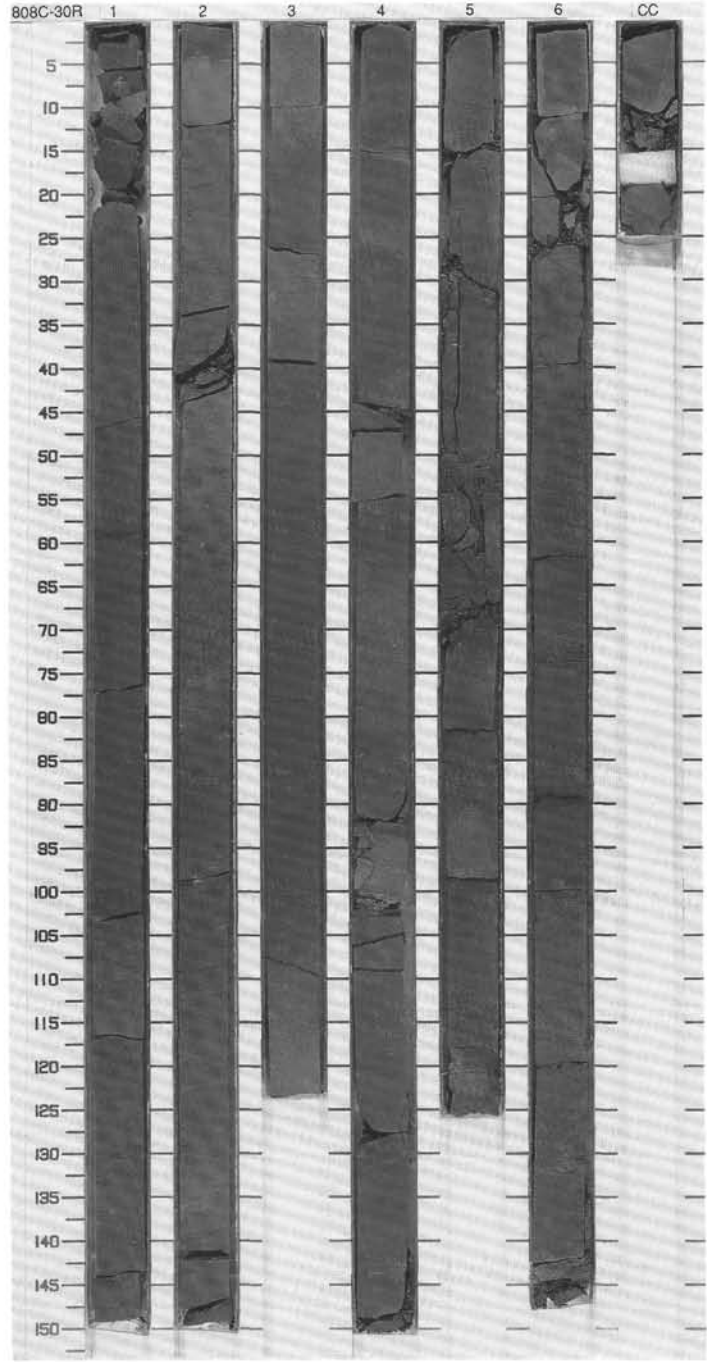
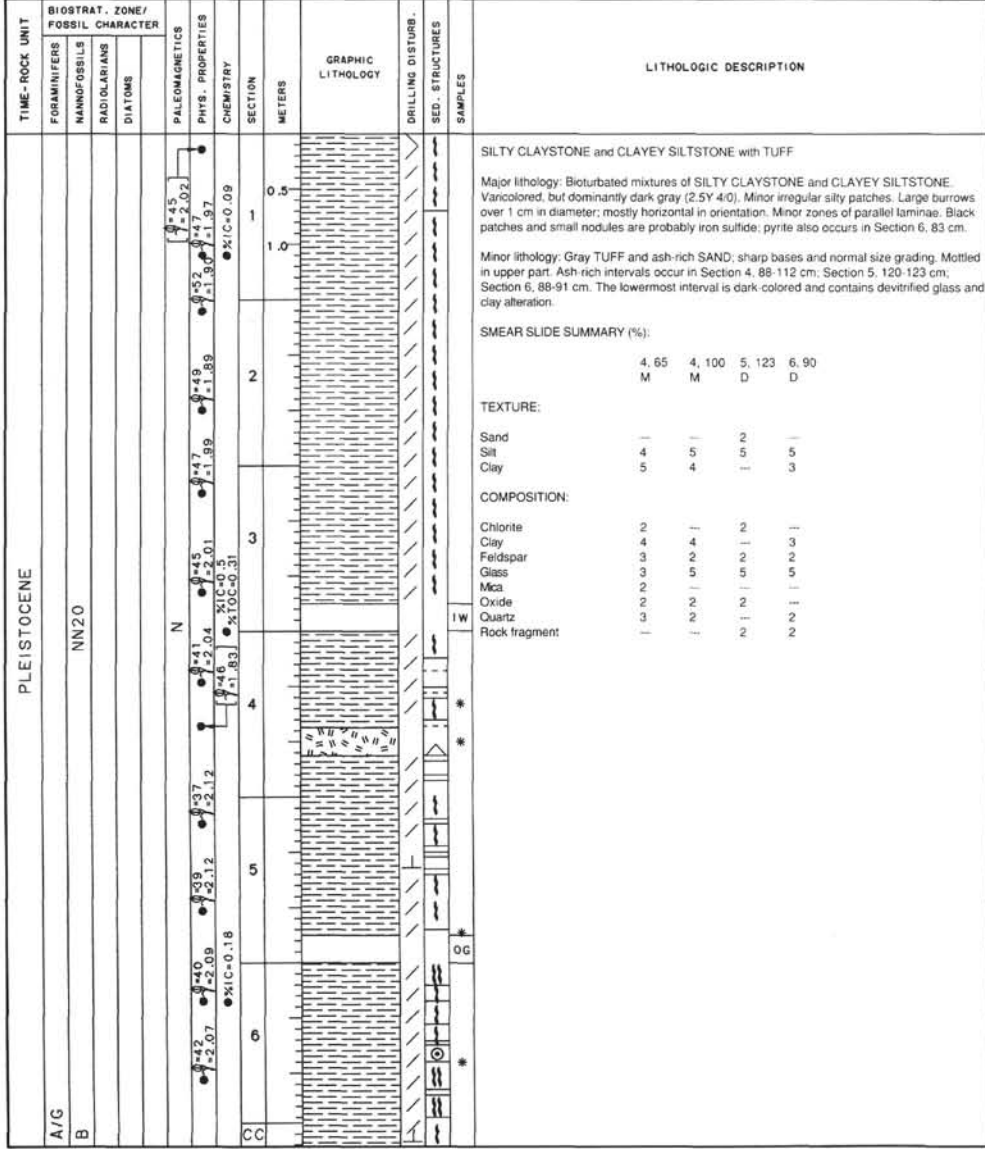


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION					
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS															
PLEISTOCENE	A/G	NN20	N	%	%	%	%	%	%	%	%	%	%	CLAYEY SILTSTONE and SILTY CLAYSTONE with SILTSTONE					
															0.5	Major lithology: Bioturbated intermixtures of CLAYEY SILTSTONE and SILTY CLAYSTONE. Varicolored, but dominantly dark gray (2.5Y 4/0). Mottled; Zoophycos trace fossils are common. Silty intervals display parallel laminae, slightly wavy laminae, planar partings, and rare starved ripples and ripple cross-laminae. Coarse silt also occurs in irregular patches.			
															1.0		Minor lithology: Thin intervals of coarse SILTSTONE, very dark gray (2.5Y 3/0), grading upward into clayey siltstone. These intervals are slightly darker gray in color, tend to have sharp bases, and display wavy or parallel laminae. The coarsest siltstone layers begin as follows: Section 2, 91 cm; Section 3, 133 and 141 cm; Section 4, 100 cm; Section 5, 58, 109, and 123 cm.		
															2.0			SMEAR SLIDE SUMMARY (%):	
															3.0				TEXTURE:
															4.0				
5.0	Silt Clay																		
6.0		Calcite Chlorite Clay Diatoms Epidote Feldspar Foraminifers Glass Mica Nannofossils Oxide Quartz Rock fragment Spicules																	



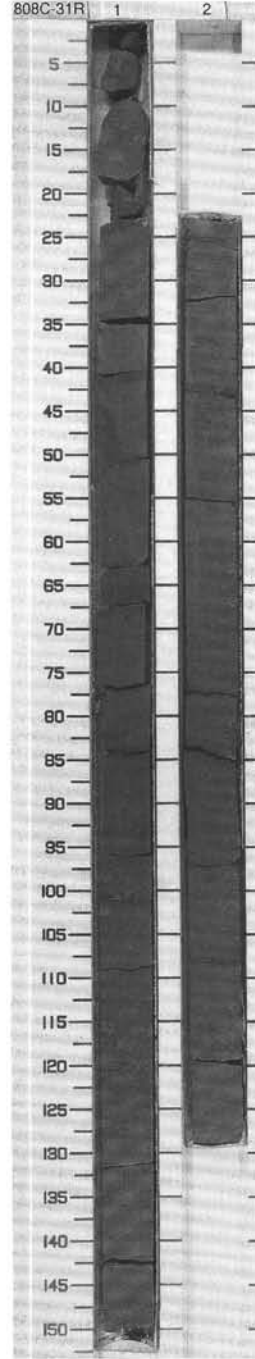
SITE 808 HOLE C CORE 29R CORED INTERVAL 5243.2-5252.9 mbsl; 568.6-578.3 mbsf





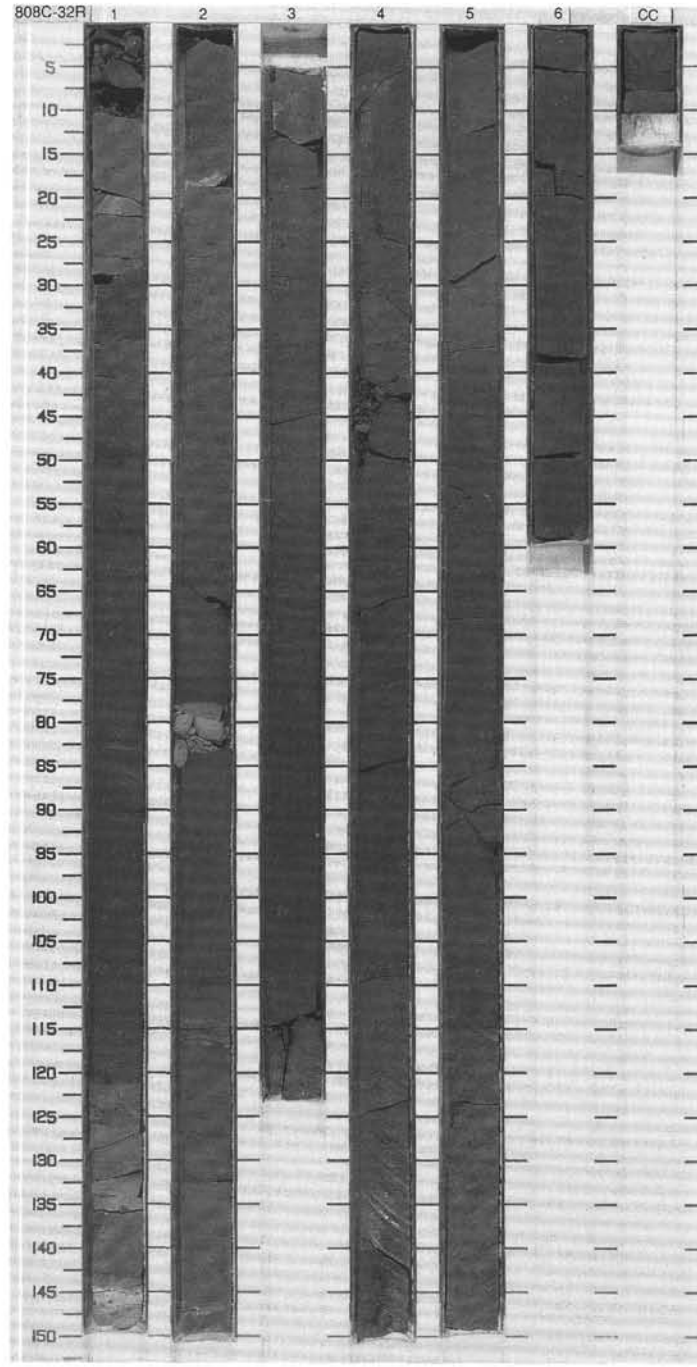
SITE 808 HOLE C CORE 31R CORED INTERVAL 5262.2-5271.9 mbsl; 587.6-597.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MANNOFOSSILS	RADIOLARIANS	DIATOMS									
	A/G												
	B												
PLEISTOCENE		NN20				● 0-10 ● 1-2.1 ● 2-0.9 ● 3-0.89 ● 4-0.84 ● 5-0.41 ● 6-0.34	1	0.5 1.0			IW 	CLAYEY SILTSTONE and SILTY CLAYSTONE Major lithology: Bioturbated mixtures of CLAYEY SILTSTONE and SILTY CLAYSTONE. Mottled, with irregular silty patches. Dark gray color (2.5Y 4/0). Black sulfide(?) mineralization occurs in small irregular patches and thin lenses parallel to bedding. Local parallel laminae.	



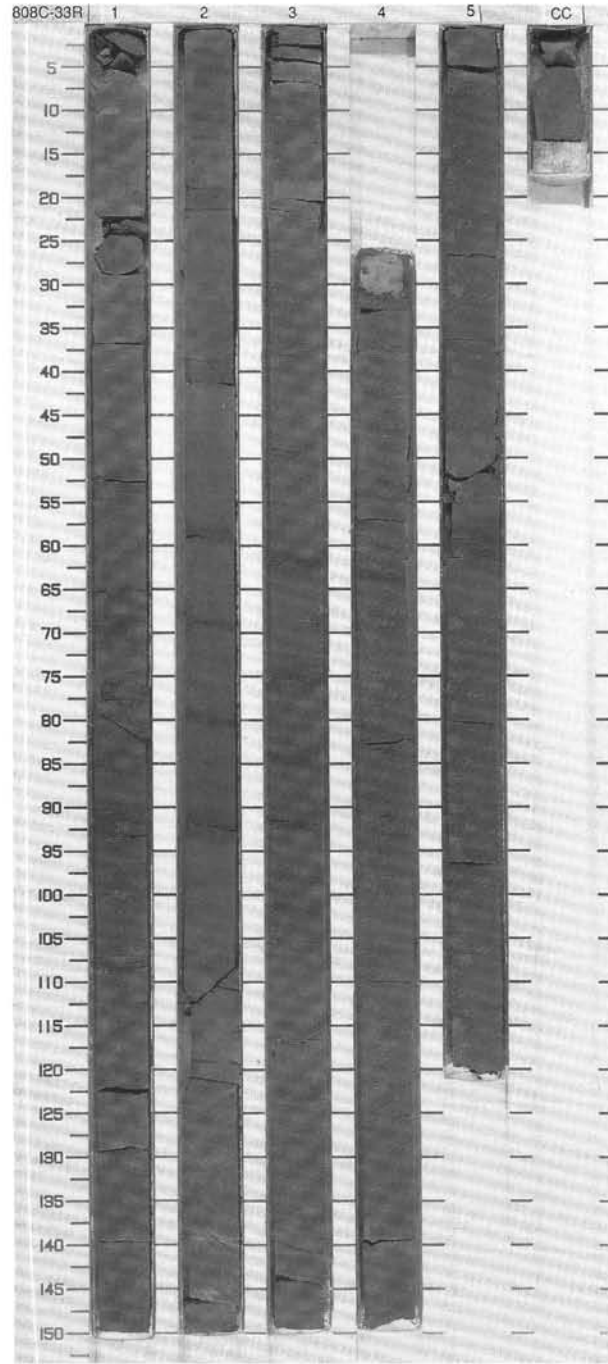
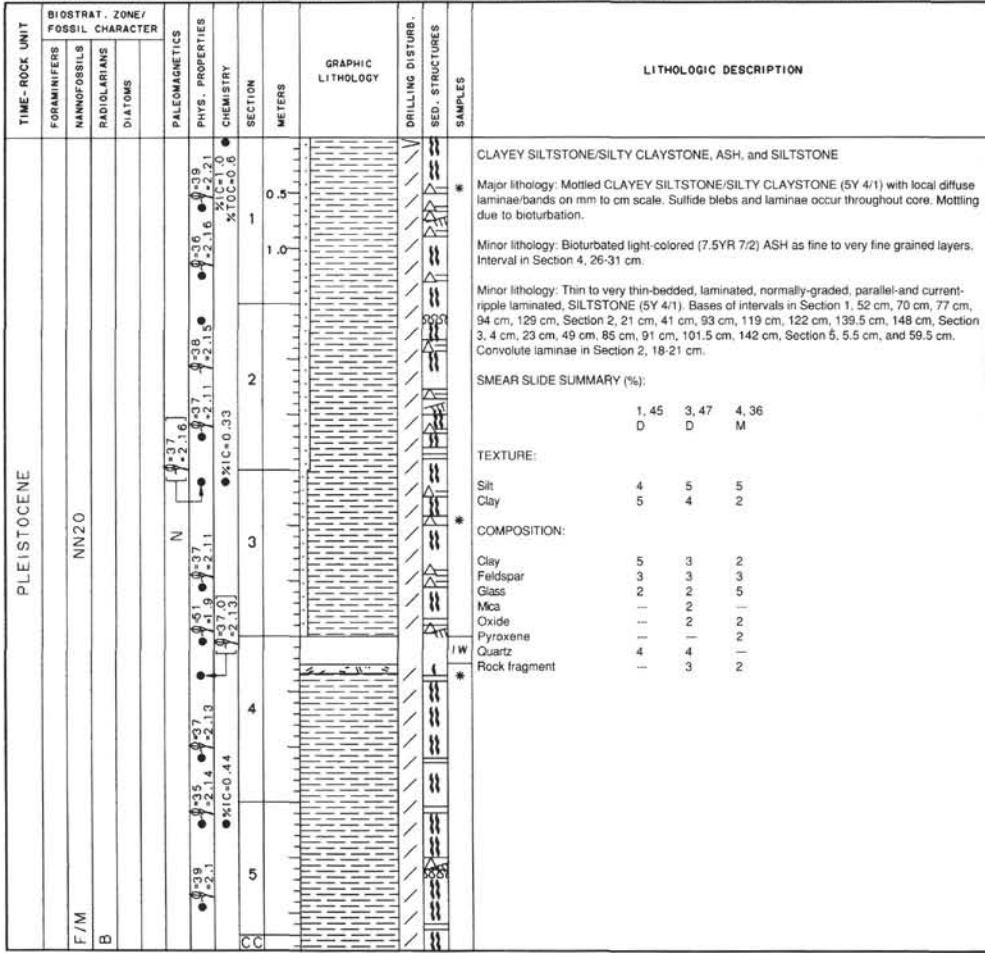
SITE 808 HOLE C CORE 32R CORED INTERVAL 5271.9-5281.5 mbsf; 597.3-606.9 mbsf

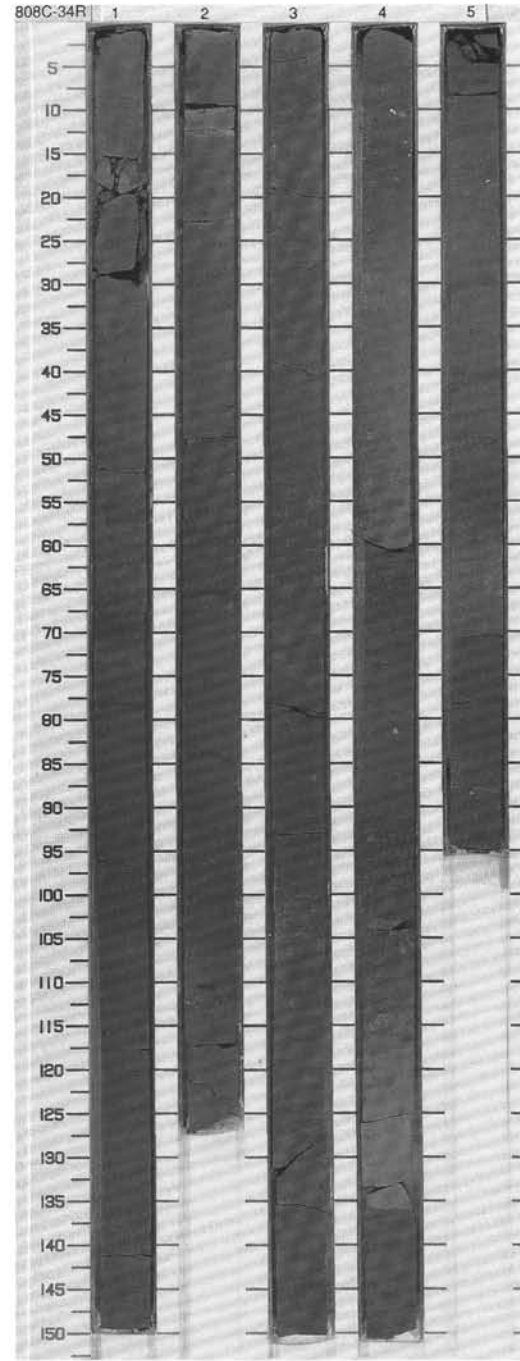
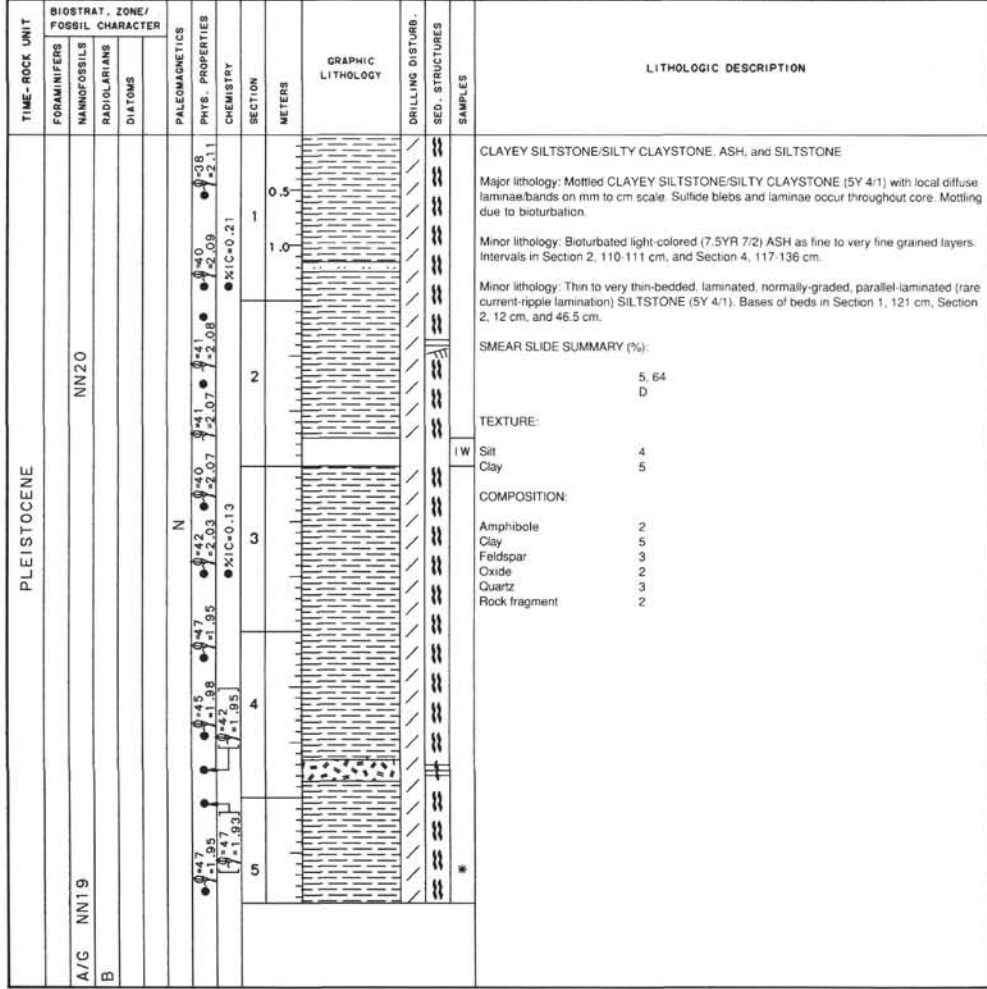
TIME - ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																								
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS											DIATOMS																							
PLEISTOCENE	A/G B	NN20	N	0-1.1	0-1.1	0-1.1	1	0.5		I W	I W		CLAYEY SILTSTONE/SILTY CLAYSTONE, ASH, SANDSTONE and SILTSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse laminae/bands on mm to cm scale. Sulfide blebs and laminae occur throughout core. Motting due to bioturbation. Zoophycos burrows well-developed in Section 5, 52-62 cm. Minor lithology: Bioturbated light-colored (5Y 7/2) ASH as medium to very fine grained layers. Intervals in Section 1, 121-136 cm, 144-150 cm, Section 2, 17-18 cm, 78-84 cm, and 114-117 cm. * Minor lithology: Medium grained laminated, normally graded, SANDSTONE (2.5YR 3/2) in Section 1, 143-144 cm. Minor lithology: Laminated SILTSTONE (5Y 4/1) in Section 6, 17-19 cm. SMEAR SLIDE SUMMARY (%): <table border="1"> <tr> <td></td> <td>1, 135</td> <td>4, 147</td> </tr> <tr> <td></td> <td>M</td> <td>M</td> </tr> </table> TEXTURE: <table border="1"> <tr> <td>Silt</td> <td>5</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>3</td> </tr> </table> COMPOSITION: <table border="1"> <tr> <td>Clay</td> <td>2</td> <td>2</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>2</td> </tr> <tr> <td>Glass</td> <td>5</td> <td>5</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>2</td> </tr> </table>		1, 135	4, 147		M	M	Silt	5	5	Clay	2	3	Clay	2	2	Feldspar	2	2	Glass	5	5	Quartz	2	2
					1, 135	4, 147																															
					M	M																															
				Silt	5	5																															
				Clay	2	3																															
				Clay	2	2																															
Feldspar	2	2																																			
Glass	5	5																																			
Quartz	2	2																																			
1.1-2.0	1.1-2.0	1.1-2.0	2	1.0		I W	I W																														
2.0-3.0	2.0-3.0	2.0-3.0		3						I W	I W																										
3.0-4.0	3.0-4.0	3.0-4.0											4		I W	I W																					
4.0-5.0	4.0-5.0	4.0-5.0																5		I W	I W																
5.0-6.0	5.0-6.0	5.0-6.0																					6		I W	I W											
6.0-7.0	6.0-7.0	6.0-7.0																										CC		I W	I W						



SITE 808

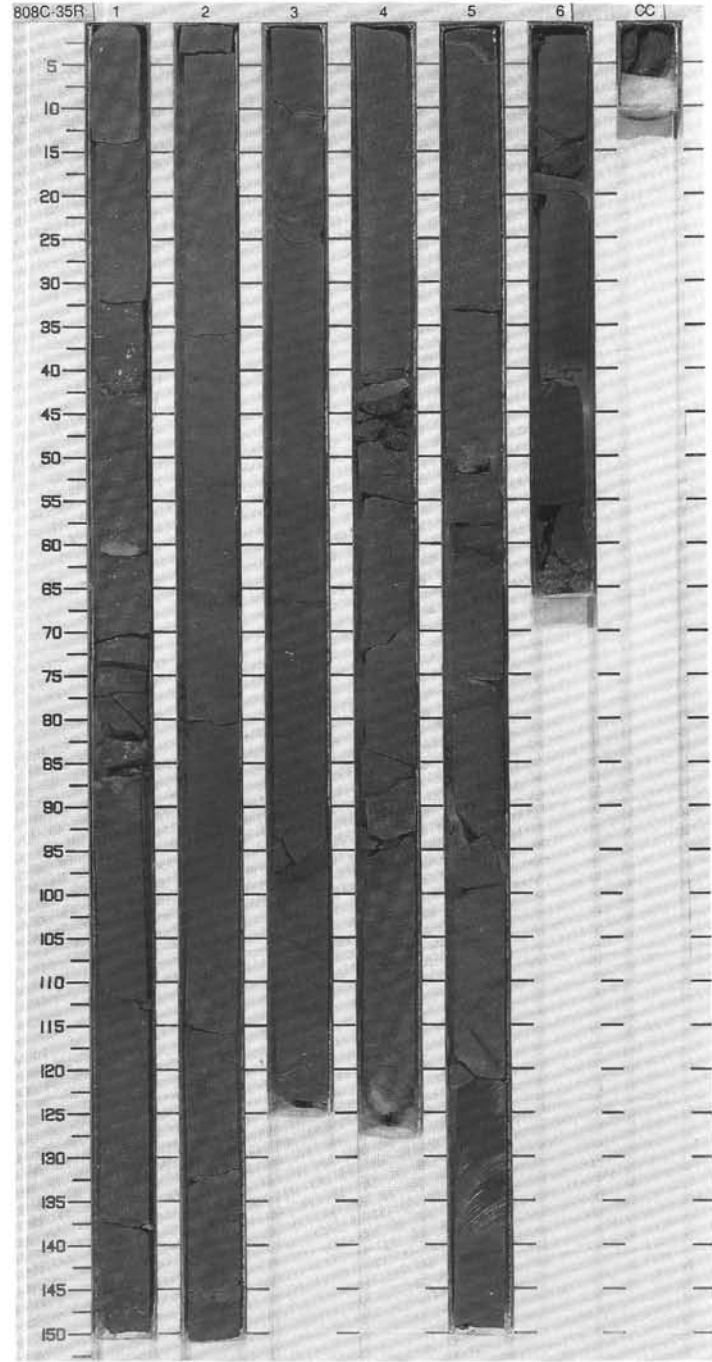
SITE 808 HOLE C CORE 33R CORED INTERVAL 5281.5-5291.1 mbsf; 606.9-616.5 mbsf



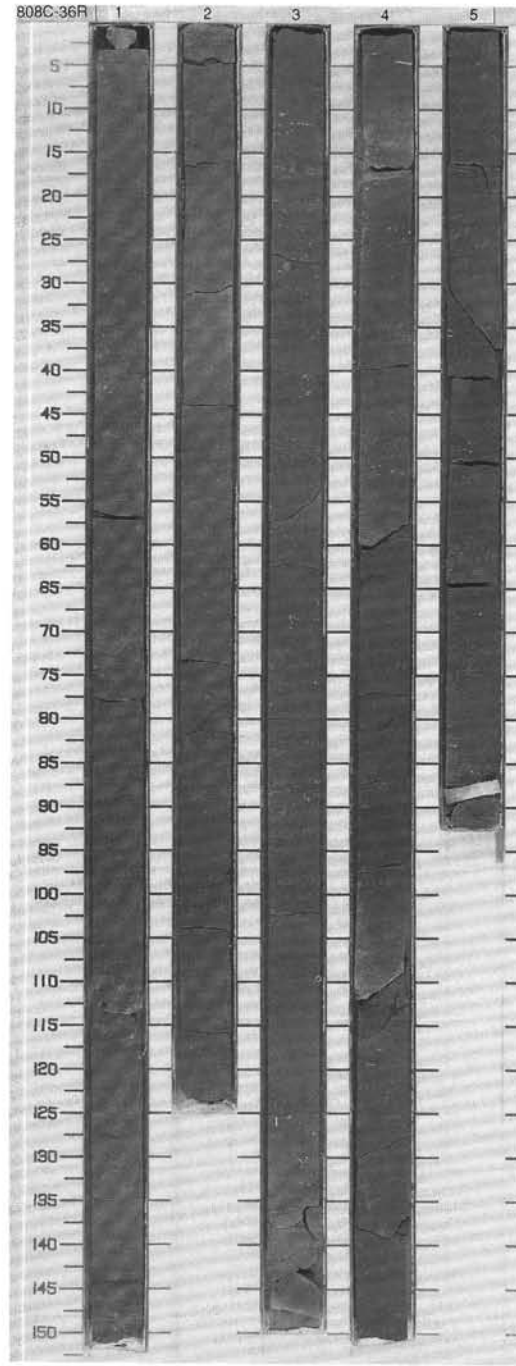


SITE 808 HOLE C CORE 35R CORED INTERVAL 5300.8-5310.5 mbsl; 626.2-635.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS PHYS. PROPERTIES CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MAMMOFOSSILS	RADIOLARIANS					
PLEISTOCENE				0-48 +1.88	1			<p>CLAYEY SILTSTONE/SILTY CLAYSTONE, ASH and SANDSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Sulfide blebs and laminae occur throughout core. Mottling due to bioturbation. Zoophycos burrows well-developed in Section 2, 65-67 cm. Prominent 2 mm-thick, deformed, red (5R 3/2) silty claystone at Section 5, 120 cm.</p> <p>Minor lithology: Bioturbated light-colored (7.5YR 7/2) ASH as medium to very fine grained layers. Intervals in Section 1, 61-63 cm, 87-88 cm, Section 2, 62-67 cm, Section 4, 124-127 cm, Section 5, 49-51 cm, 75-76 cm, 118-121 cm, Section 6, 39-41 cm, and 59-65 cm.</p> <p>Minor lithology: Coarse SANDSTONE (5Y 4/1), bioturbated, in Section 5, 61-63 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="margin-left: 40px;">Silt 5, 49 D</p> <p>TEXTURE:</p> <p>Silt 5 Clay 3</p> <p>COMPOSITION:</p> <p>Clay 3 Feldspar 4 Glass 5 Quartz 2</p>
	C/M	NN19		0-43 +2.08 +2.00	2			
	B			0-43 +2.03	3			
				0-44 +2.02 +2.01	4			
				0-48 +1.93 +1.85	5			
				0-53 +2.04 +1.98 +1.93 +1.85	6			

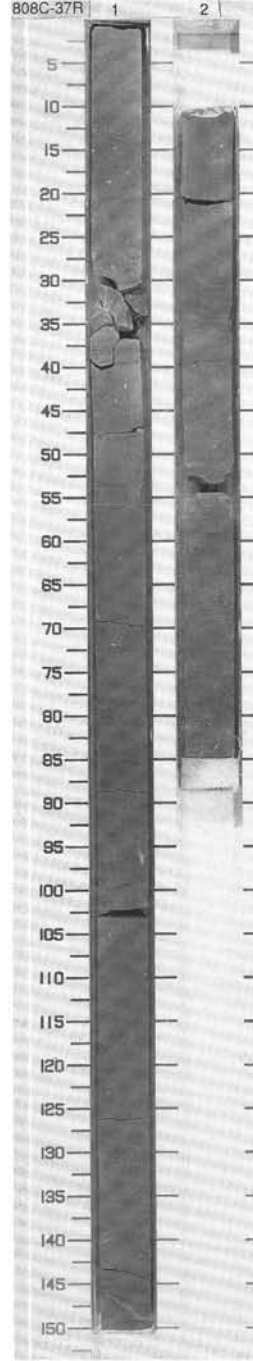


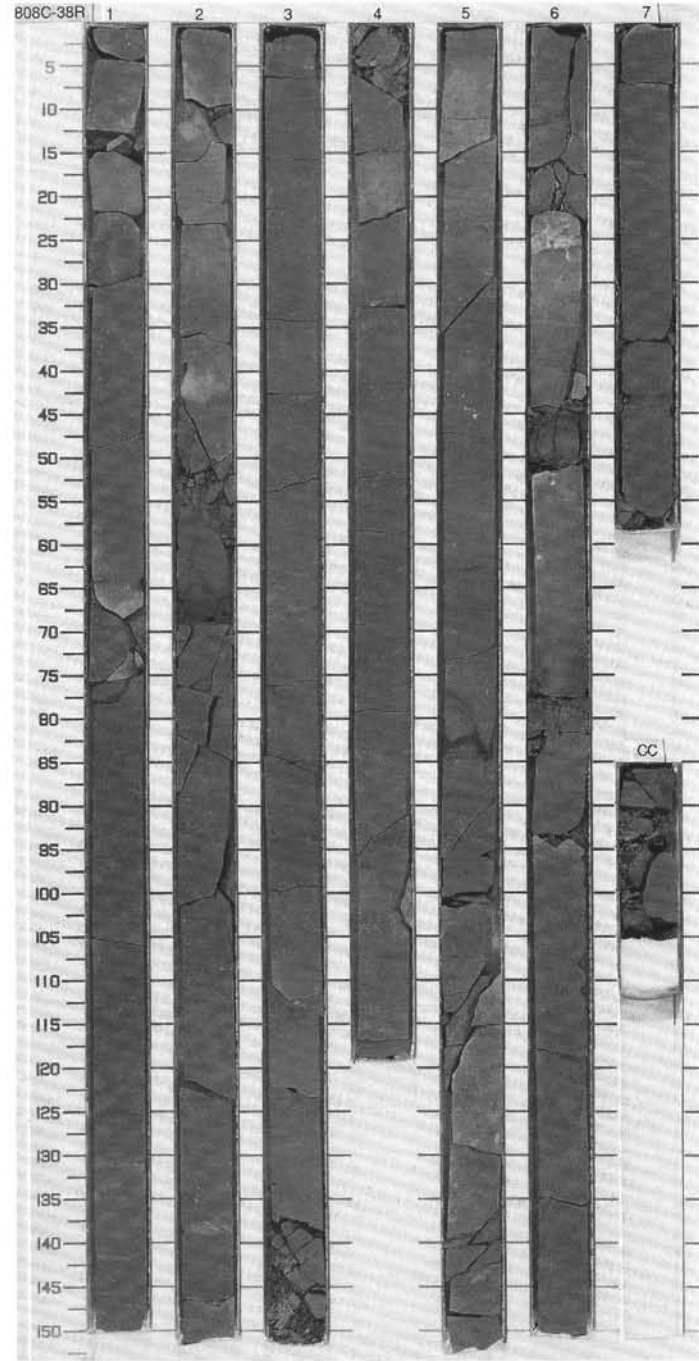
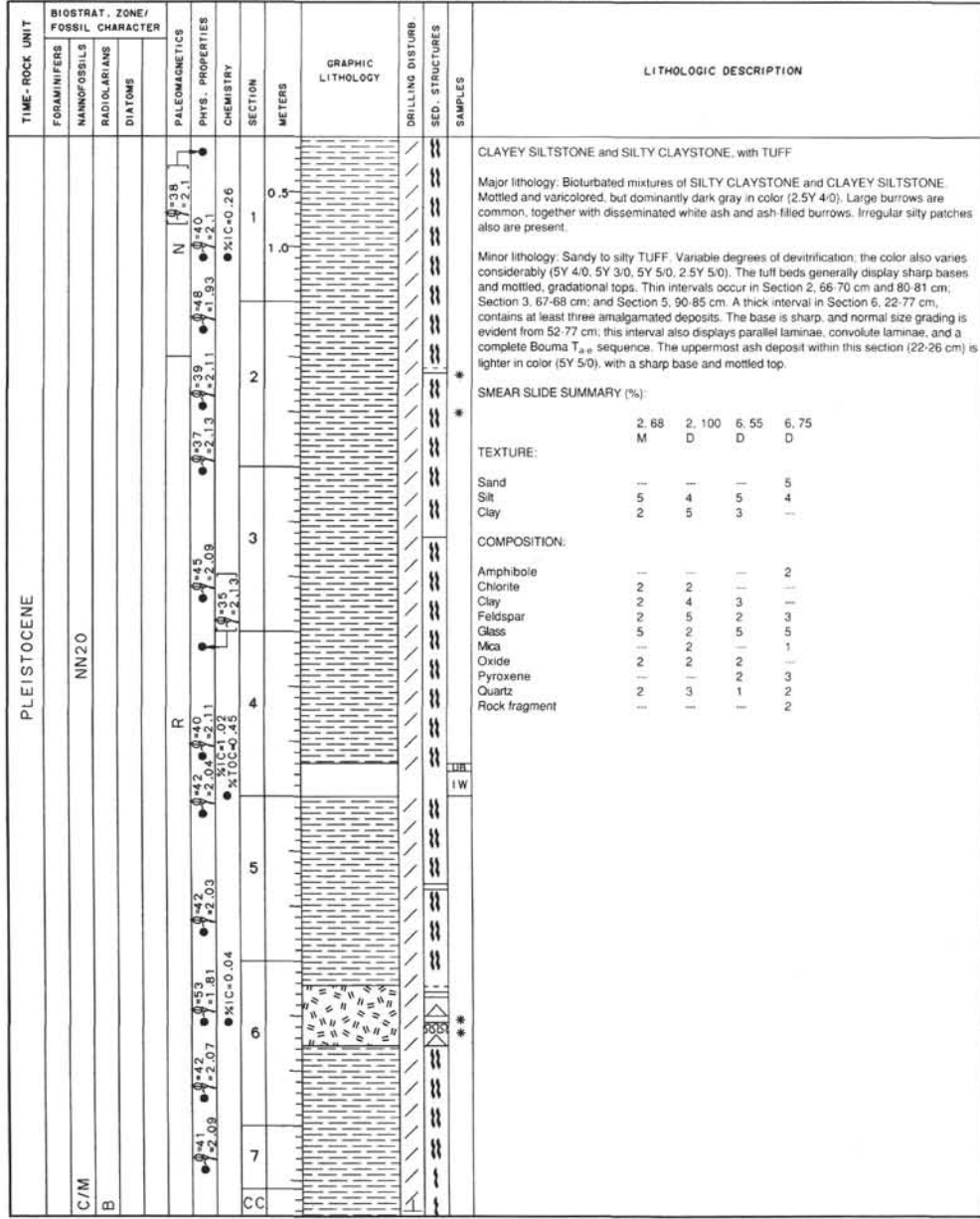
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MAMMOFOSILS	RADIOLARIANS	Diatoms										
PLEISTOCENE	NN19													
R/M														
B														
					40.0 2.1									
					39.0 2.0									
					38.0 2.1									
					37.0 2.1									
					36.0 2.1									
					35.0 2.1									
					34.0 2.1									
					33.0 2.1									
					32.0 2.1									
					31.0 2.1									
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					14.0 2.1									
					13.0 2.1									
					12.0 2.1									
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					10.0 2.1									
					9.0 2.1									
					8.0 2.1									
					7.0 2.1									
					6.0 2.1									
					5.0 2.1									



SITE 808 HOLE C CORE 37R CORED INTERVAL 5320.1-5329.5 mbsf; 645.5-654.9 mbsf

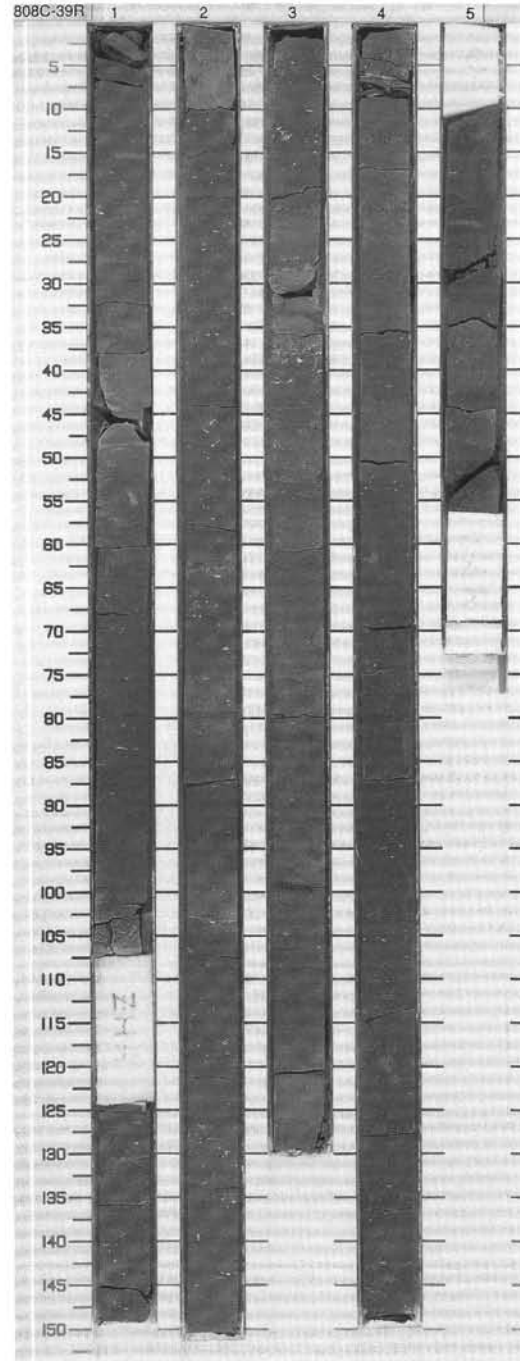
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SEC. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION														
	FORAMINIFERS	MAMMOFOSILS	RADIOLARIANS											DIATOMS													
PLEISTOCENE	A/G	NN19	B	N	0.39 2.10	%Cl=0.54 %TOC=0.3	1 2	0.5 1.0					<p>CLAYEY SILTSTONE/SILTY CLAYSTONE, ASH and SANDSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Sulfide blebs and laminae occur throughout core. Mottling due to bioturbation.</p> <p>Minor lithology: Bioturbated light-colored ASH as fine to silty layer in Section 1, 28-40 cm. Upper 28-36 cm is highly bioturbated, and lower 36-40 cm part shows parallel lamination and sharp base.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table> <tr> <td>Silt</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>3</td> </tr> </table> <p>TEXTURE:</p> <table> <tr> <td>1, 38</td> </tr> <tr> <td>M</td> </tr> </table> <p>COMPOSITION:</p> <table> <tr> <td>Clay</td> <td>3</td> </tr> <tr> <td>Feldspar</td> <td>3</td> </tr> <tr> <td>Glass</td> <td>5</td> </tr> <tr> <td>Oxide</td> <td>2</td> </tr> </table>	Silt	5	Clay	3	1, 38	M	Clay	3	Feldspar	3	Glass	5	Oxide	2
Silt	5																										
Clay	3																										
1, 38																											
M																											
Clay	3																										
Feldspar	3																										
Glass	5																										
Oxide	2																										





SITE 808 HOLE C CORE 39R CORED INTERVAL 5339.1-5348.8 mbsl; 664.5-674.2 mbsf

TIME-ROCK UNIT		BIGSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																	
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	FORAMINIFERS	PHYS. PROPERTIES										SECTION	METERS																															
A/M	B	NN19				0.43 -2.02	0.41 -2.04	1	0.5 1.0					<p>CLAYEY SILTSTONE and SILTY CLAYSTONE with TUFF</p> <p>Major lithology. Bioturbated mixtures of SILTY CLAYSTONE and CLAYEY SILTSTONE. Mottled and varicolored, but dominantly dark gray (2.5Y 4/0). Contains disseminated white ash and ashy burrow-fill; forams are also common, giving much of the core a speckled appearance.</p> <p>Minor lithology. Sand- to silt-sized TUFF, lighter gray color (2.5Y 5/0). Variable degrees of devitrification and replacement by smectite. Ash deposits typically display normal size grading, sharp bases and gradational, mottled tops. Some contacts are convoluted. Tuff intervals occur as follows: Section 1, 45-49 cm and 105-124 cm (nearly all of the lower interval was sampled for ZHA whole-round); Section 3, 29-39, 51-53, and 99-100 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1.47</td> <td>1.95</td> </tr> <tr> <td>M</td> <td></td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>5</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Clay</td> <td>3</td> <td>-</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>3</td> </tr> <tr> <td>Glass</td> <td>5</td> <td>3</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>2</td> </tr> <tr> <td>Pyroxene</td> <td>-</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>-</td> <td>3</td> </tr> <tr> <td>Rock fragment</td> <td>-</td> <td>2</td> </tr> </table>		1.47	1.95	M		D	Silt	5	5	Clay	3	4	Clay	3	-	Feldspar	2	3	Glass	5	3	Oxide	2	2	Pyroxene	-	2	Quartz	-	3	Rock fragment	-	2
	1.47	1.95																																													
M		D																																													
Silt	5	5																																													
Clay	3	4																																													
Clay	3	-																																													
Feldspar	2	3																																													
Glass	5	3																																													
Oxide	2	2																																													
Pyroxene	-	2																																													
Quartz	-	3																																													
Rock fragment	-	2																																													
					0.38 -2.06	0.39 -2.13	2																																								
					0.59 -1.77	0.40 -2.06	3																																								
					0.38 -2.19	0.37 -2.13	4																																								
					0.37 -2.14	0.37 -2.13	5																																								

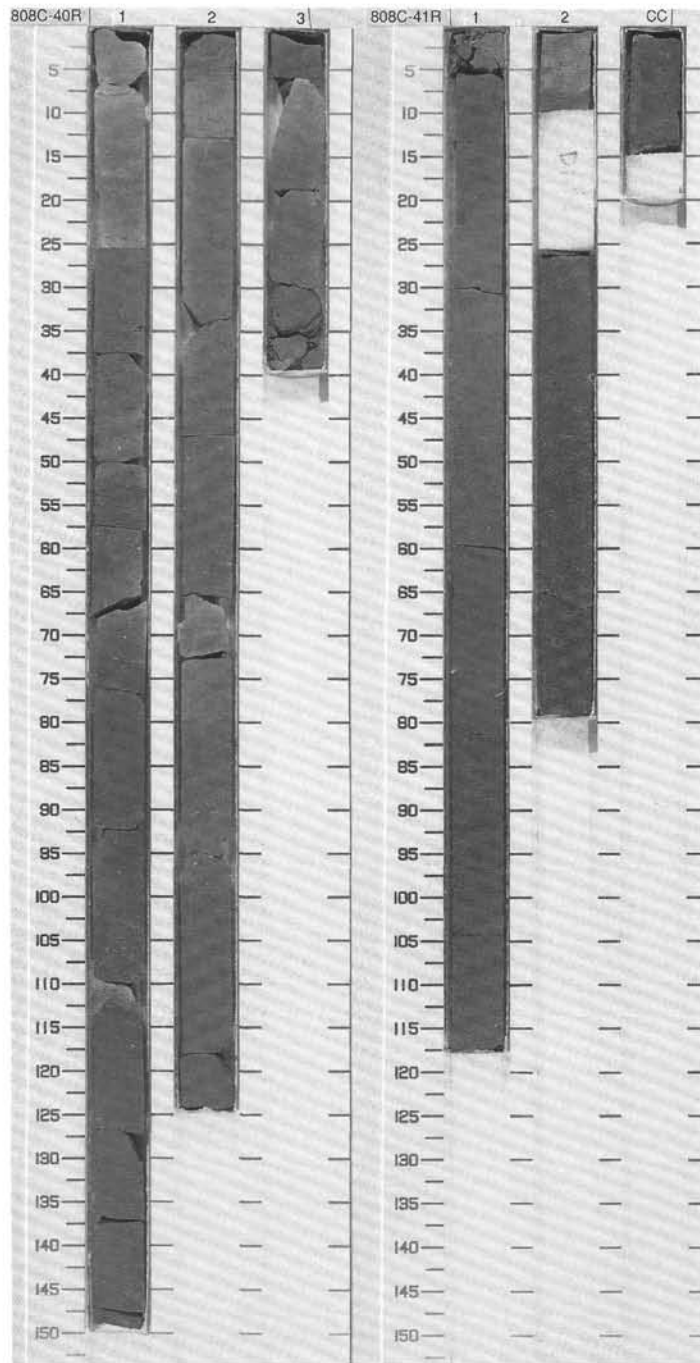


SITE 808 HOLE C CORE 40R CORED INTERVAL 5348.8-5358.4 mbsi; 674.2-683.8 mbsf

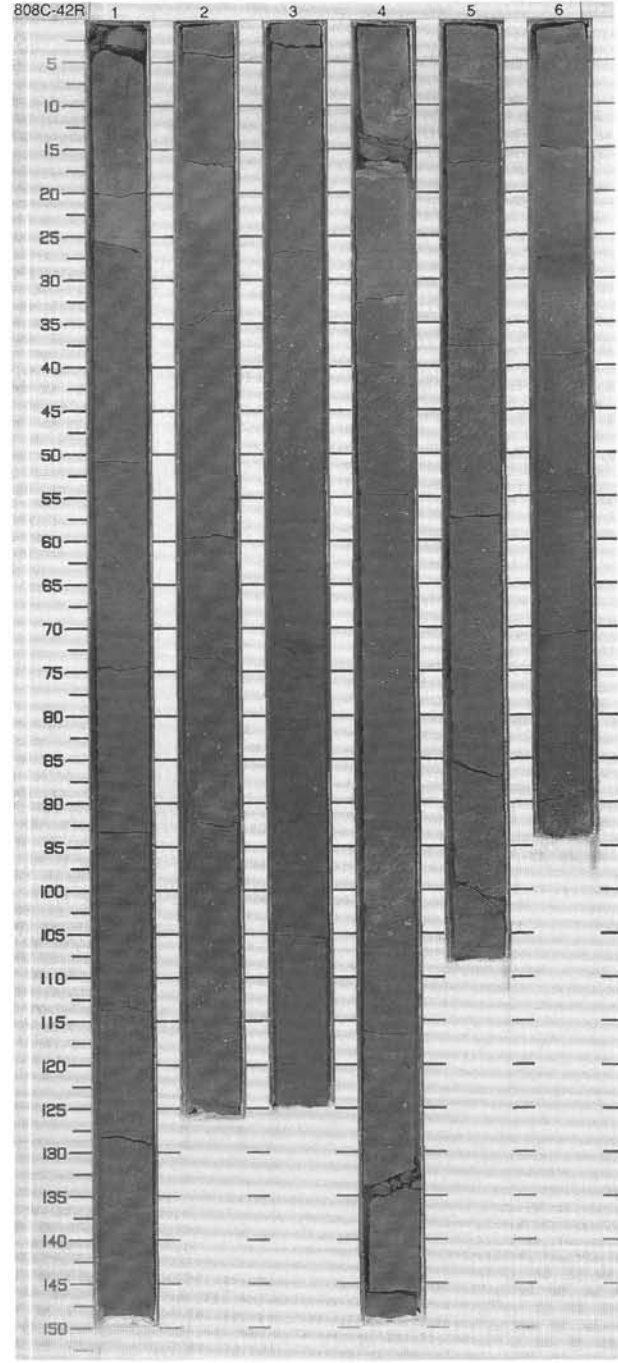
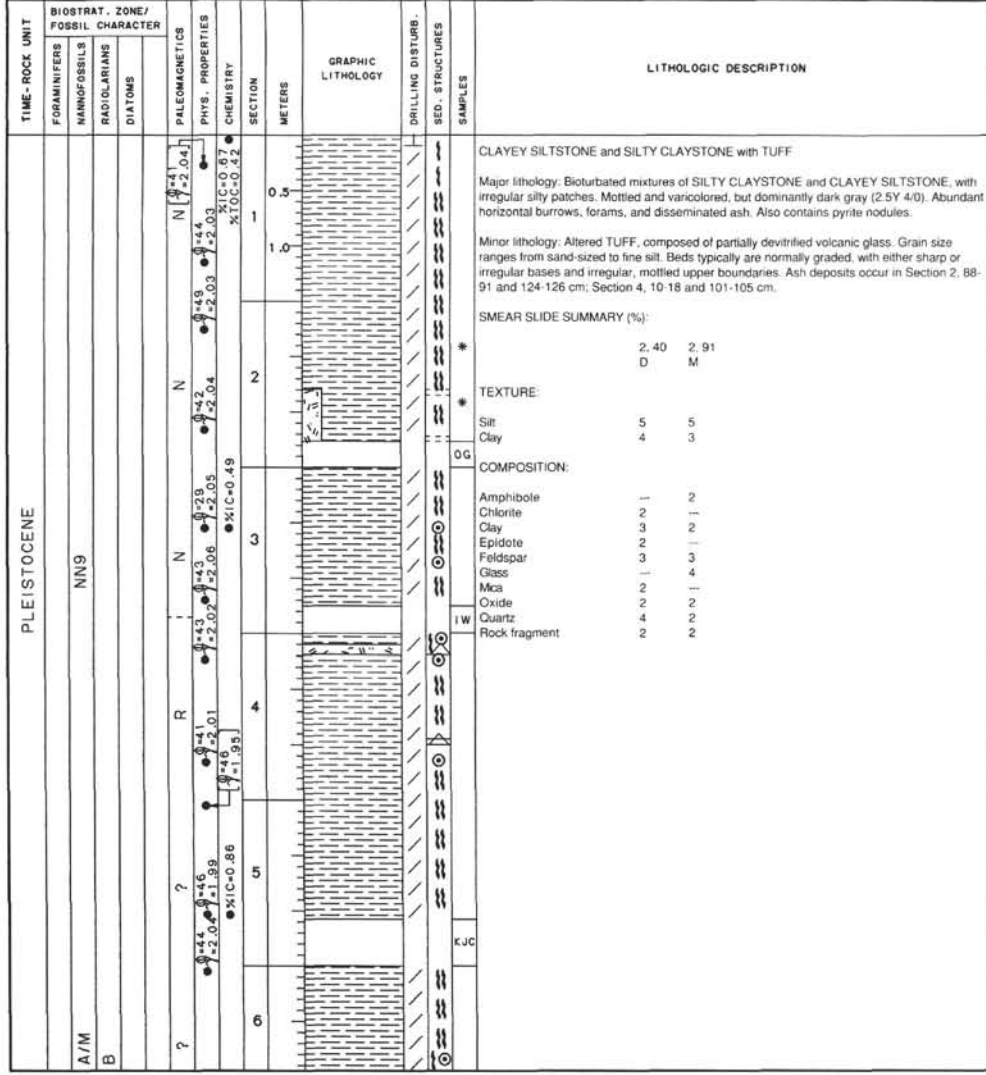
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
PLEISTOCENE	A/M				R?	0.38 2.09 4.3 3.8 2.0 2.1 4.1 4.1 2.08 2.1	%IC=0.16 %TOC=0.65		0.5 1.0				CLAYEY SILTSTONE AND SILTY CLAYSTONE Major lithology: SILTY CLAYSTONE intermixed with lesser amounts of CLAYEY SILTSTONE. Mottled by bioturbation; varicolored but dominantly dark gray (2.5Y 4/0). Numerous large horizontal burrows, together with disseminated ash, forams, and irregular patches of coarser silt. SMEAR SLIDE SUMMARY (%): Silt 2.95 Clay D TEXTURE: Silt 5 Clay 4 * COMPOSITION: Clay 5 Feldspar 3 Nannofossils 2 Quartz 3 Rock fragment 2	

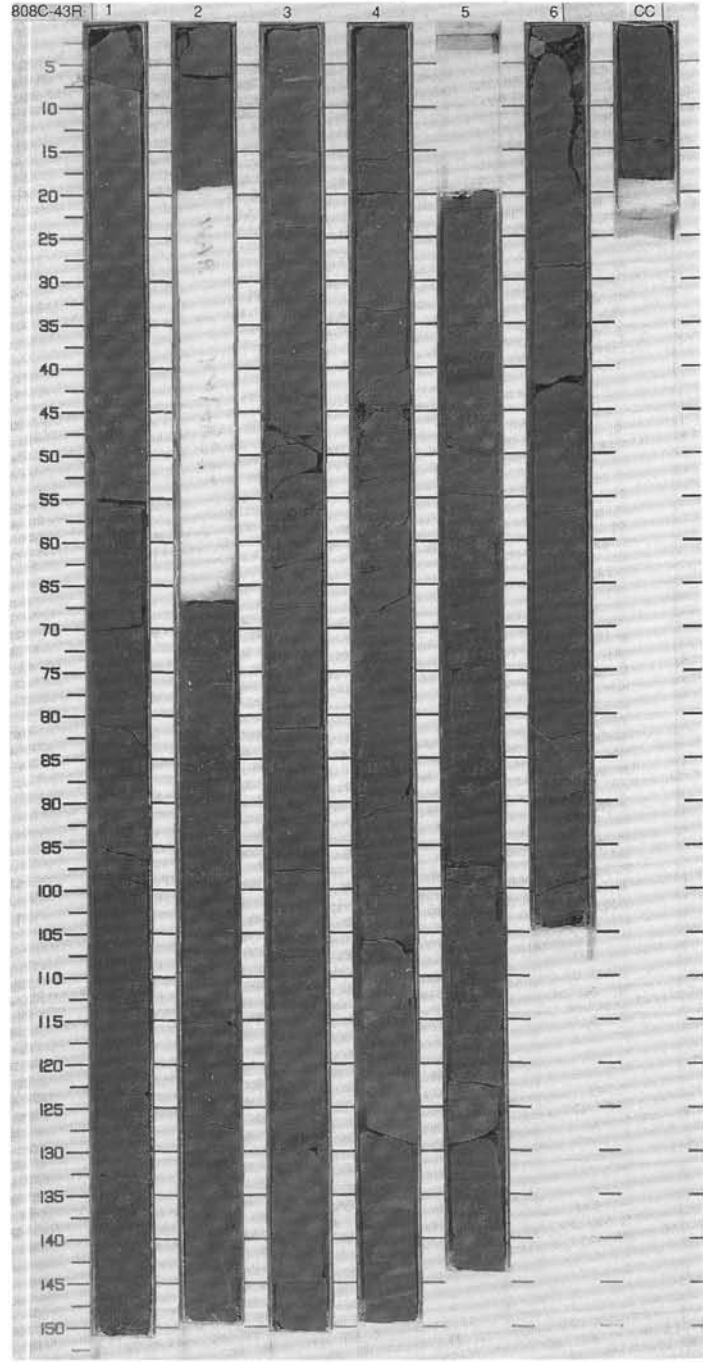
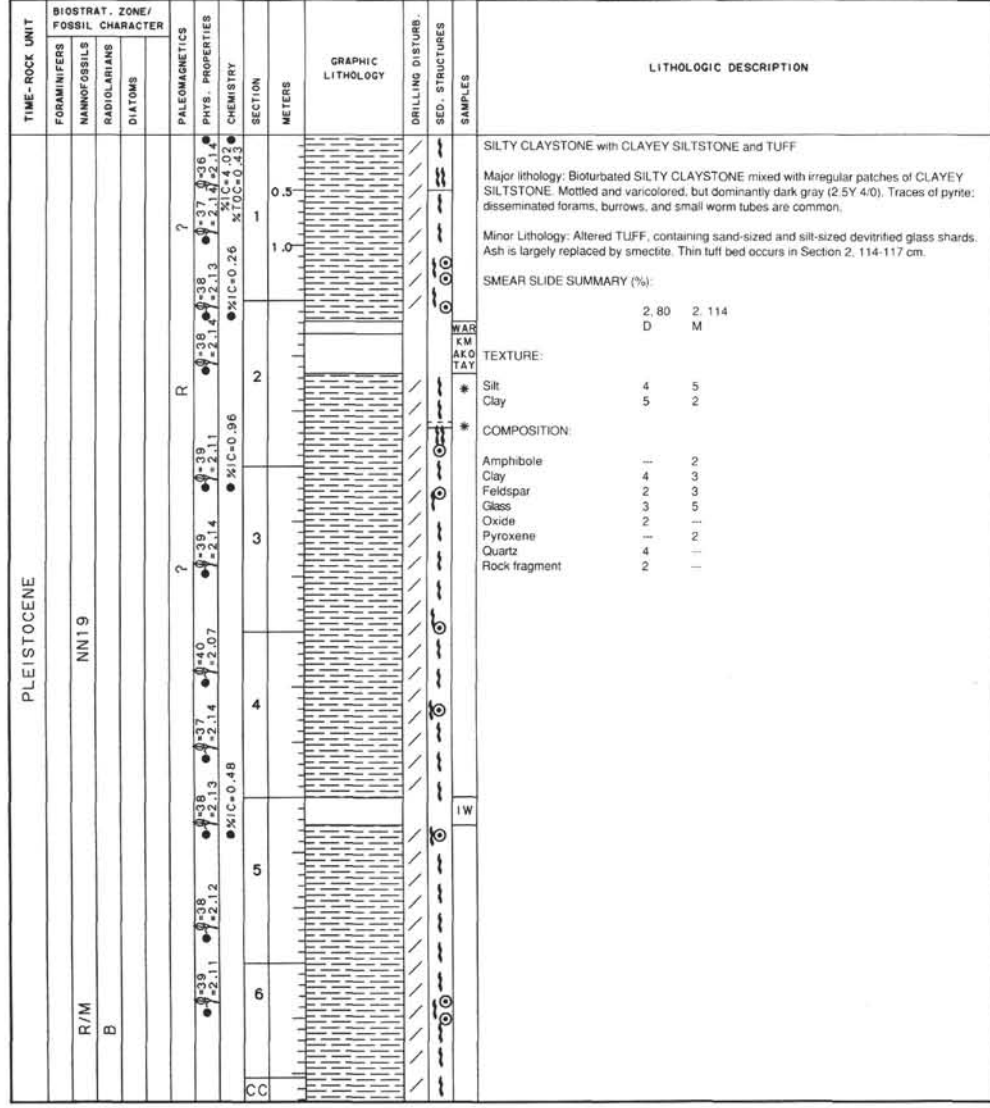
SITE 808 HOLE C CORE 41R CORED INTERVAL 5358.4-5368.1 mbsi; 683.8-693.5 mbsf

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										
PLEISTOCENE	F/M				N	0.54 2.01 4.2 4.1 2.08 2.2 1.8 3.6 1.8	%IC=0.20 %TOC=0.38	0.5 1.0				SILTY CLAYSTONE and CLAYEY SILTSTONE Major lithology: Bioturbated mixtures of SILTY CLAYSTONE and CLAYEY SILTSTONE. Irregular patches of coarser silt. Mottled and varicolored, but dominantly dark gray (2.5Y 4/0). Numerous large horizontal burrows. SMEAR SLIDE SUMMARY (%): Silt 2.50 Clay D TEXTURE: Silt 4 Clay 5 COMPOSITION: Clay 4 Feldspar 3 Glass 3 Oxide 2 Quartz 3 Rock fragment 2		



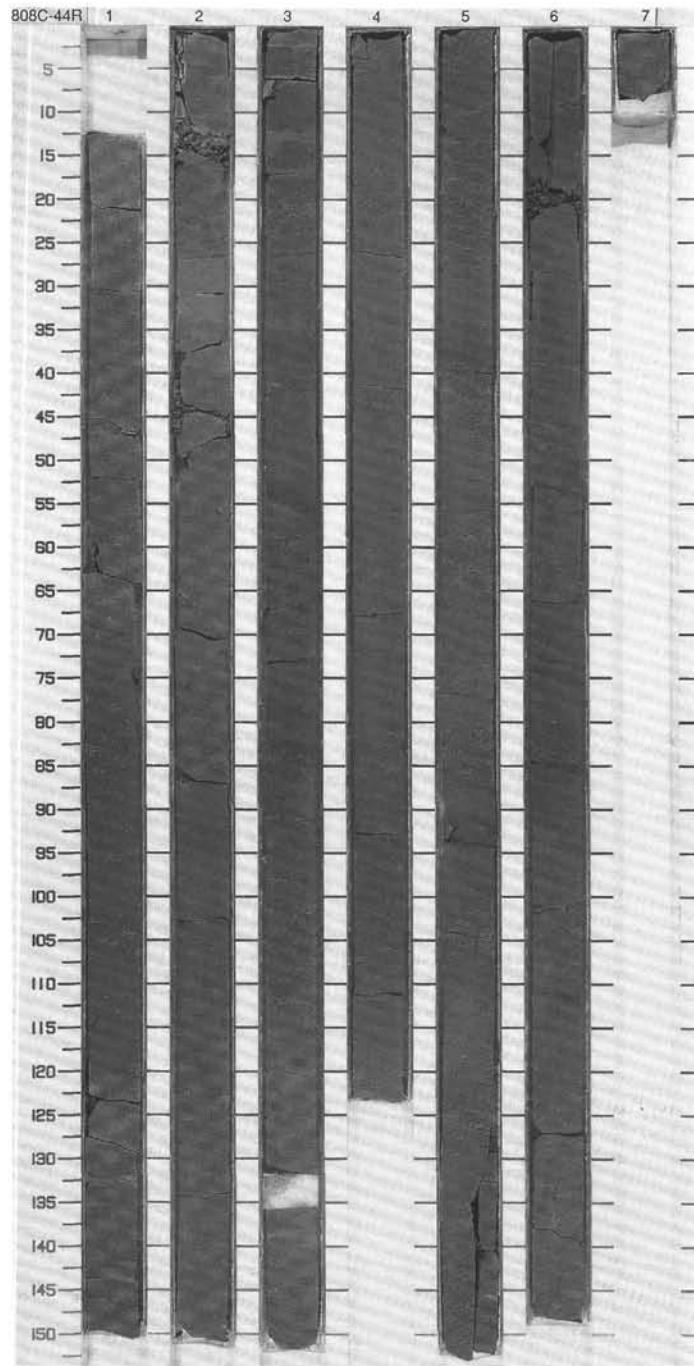
SITE 808 HOLE C CORE 42R CORED INTERVAL 5368.1-5377.8 mbsl; 693.5-703.2 mbsf



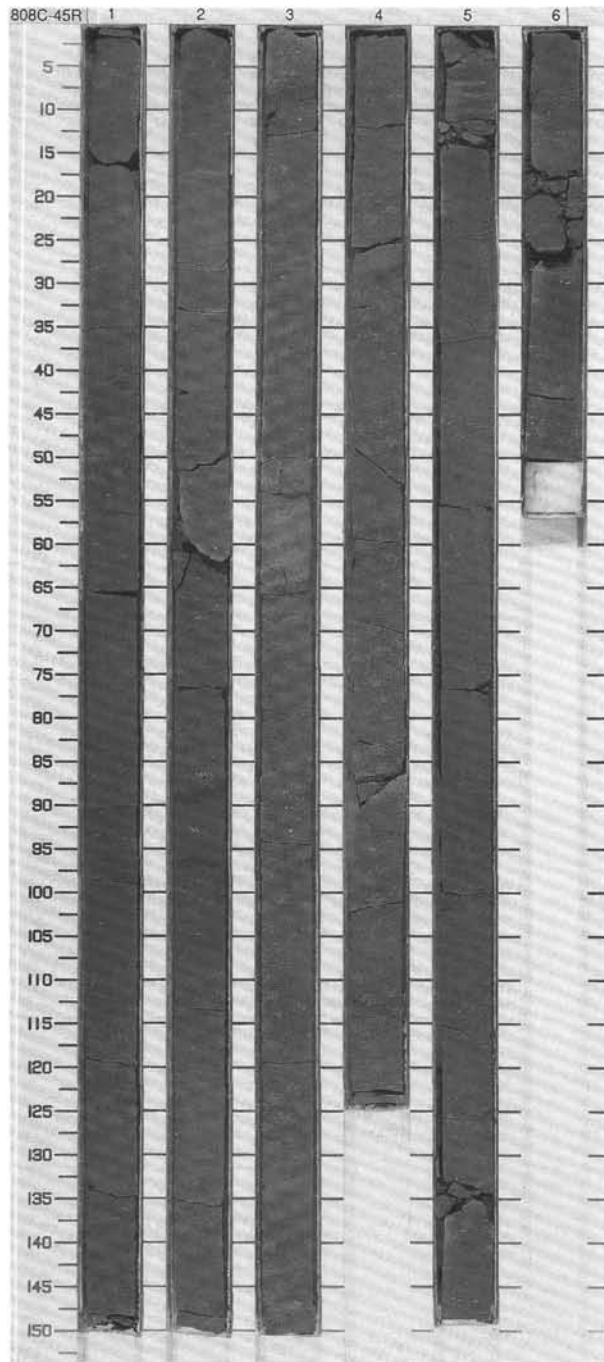


SITE 808 HOLE C CORE 44R CORED INTERVAL 5387.0-5396.6 mbsl; 712.4-722.0 mbsf

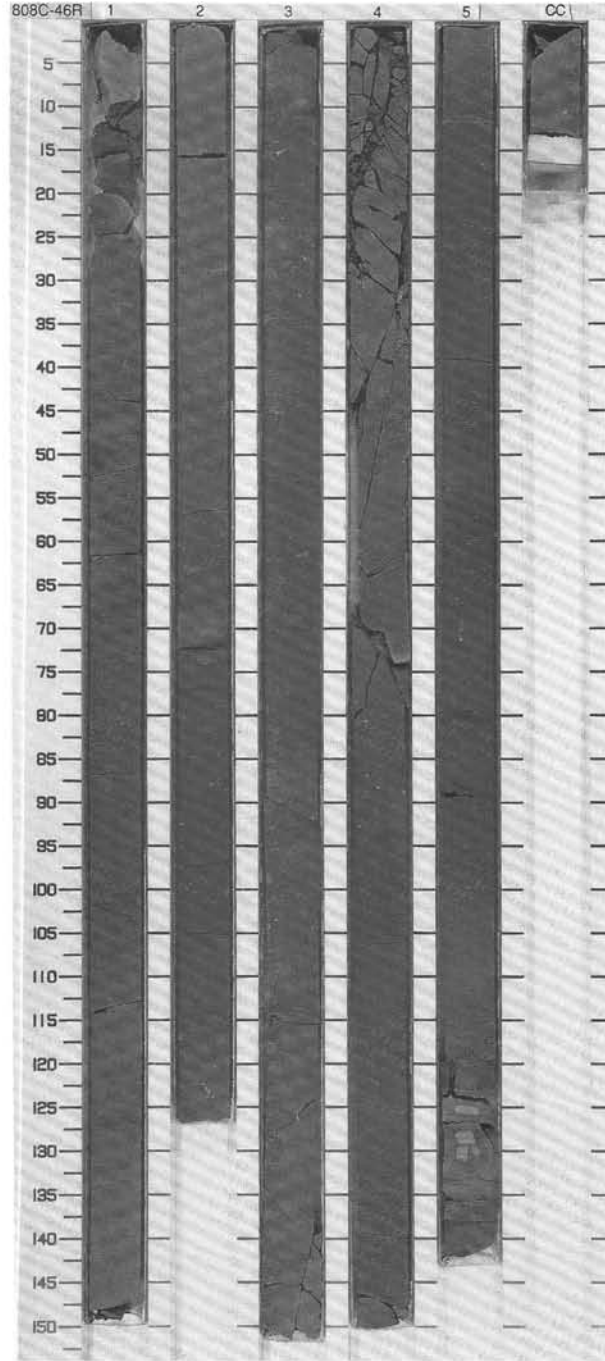
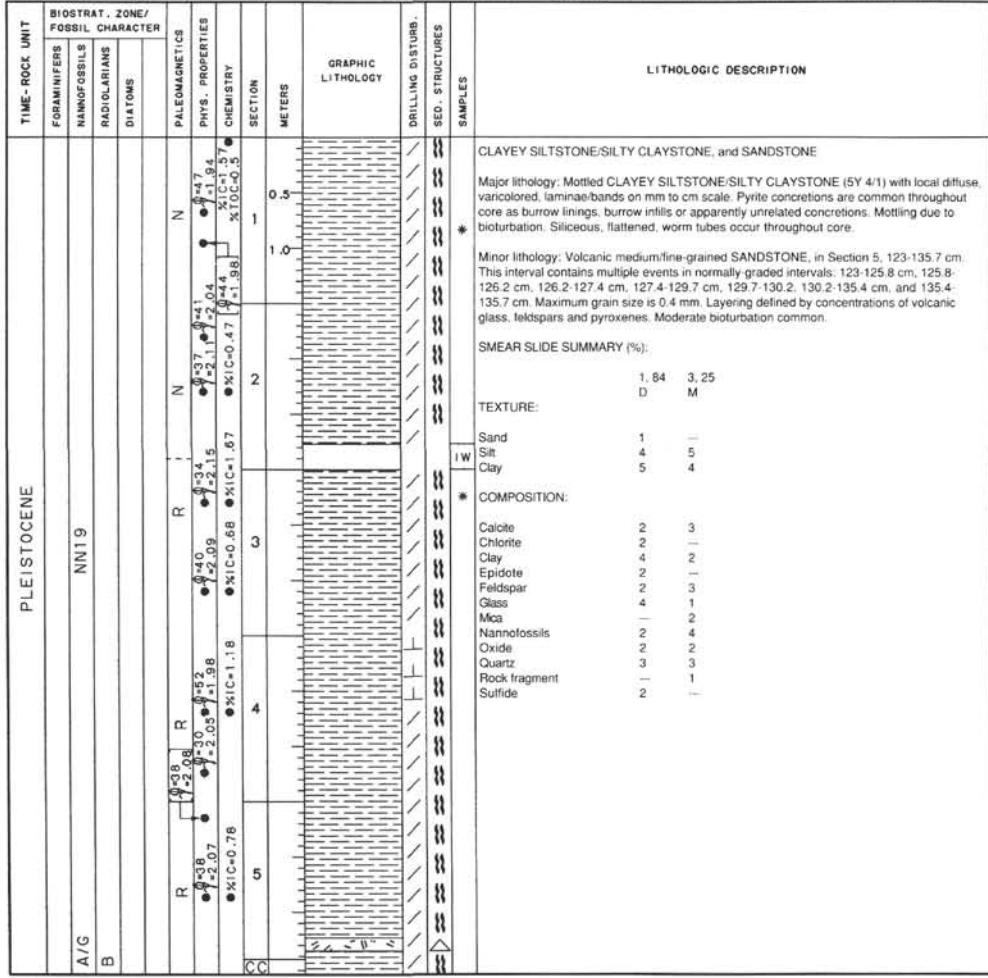
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MAMMOFOSILS	RADIOLARIANS										
PLEISTOCENE	NN19												<p>SILTY CLAYSTONE</p> <p>Major lithology: Bioturbated SILTY CLAYSTONE with irregular patches of coarser sediment. Mottled and varicolored, but dominantly dark gray (2.5Y 4/0). Pyrite nodules are fairly common, as are disseminated forams and horizontal burrows</p>
	C/P						1	0.5					
	B						2	1.0					
							3						
							4						
							5						
						6							



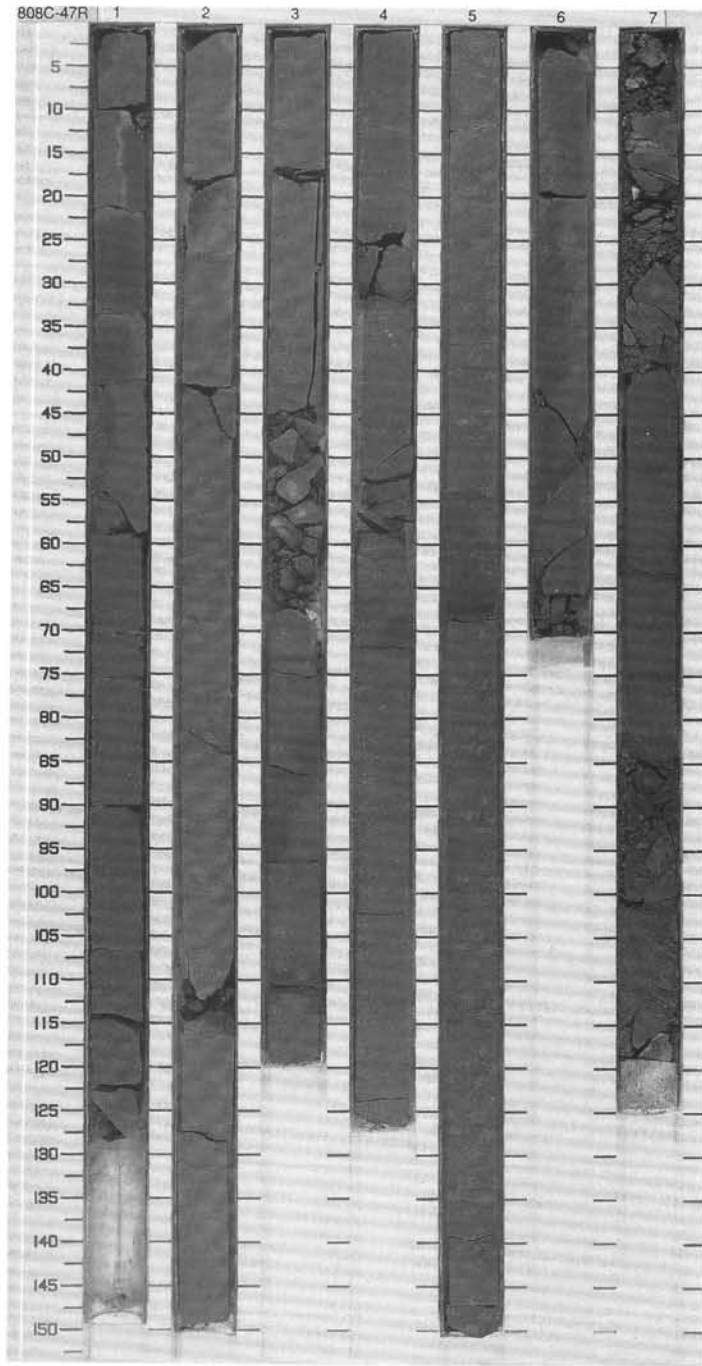
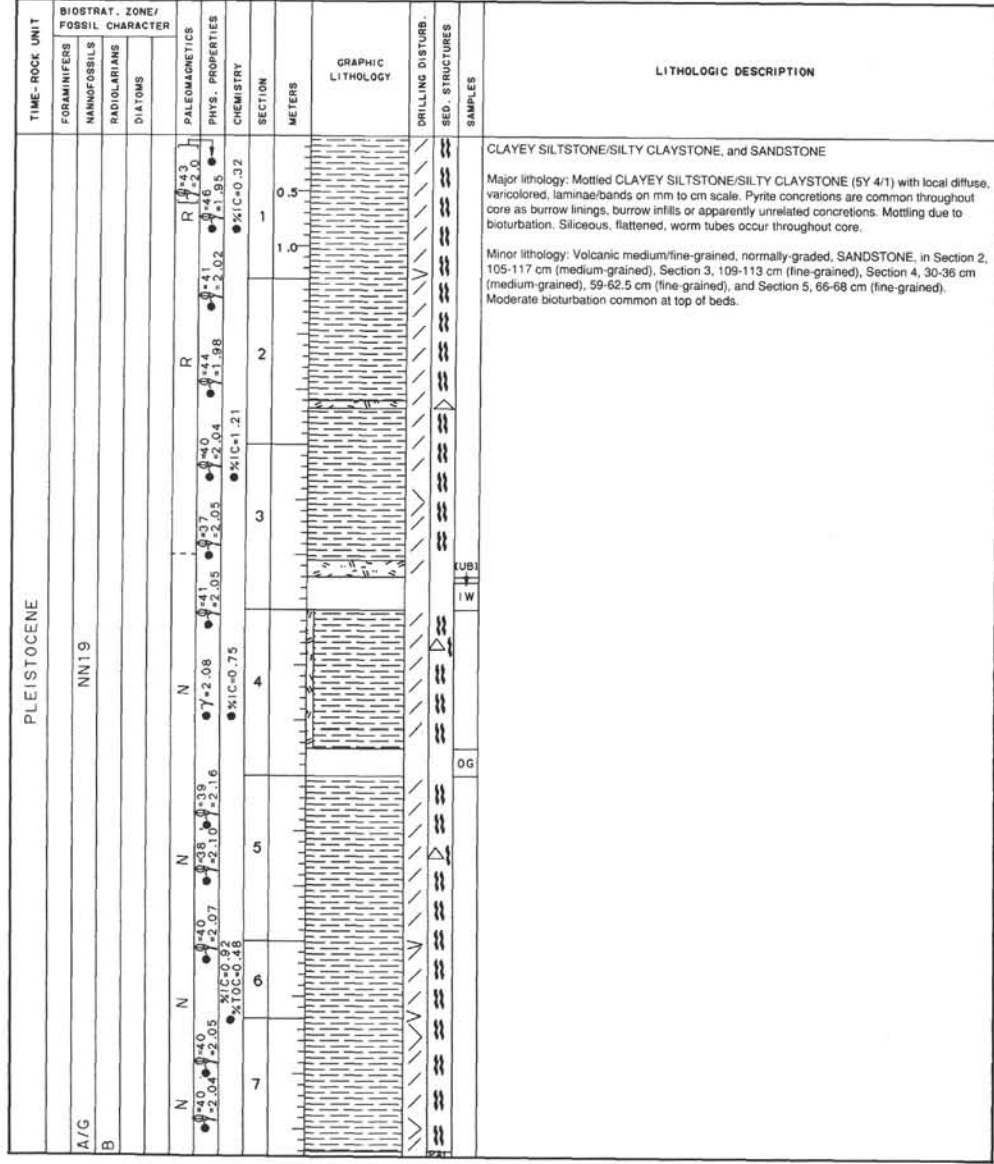
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS PHYS. PROPERTIES CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION																														
	FORAMINIFERS	NUMULFOSSILS	RADIOLARIANS	DIAZONS																																					
	PLEISTOCENE																																								
R/M	NN19				?	0.40					<p>CLAYEY SILTSTONE/SILTY CLAYSTONE, and SANDSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Pyrite concretions are common throughout core as burrow linings, burrow infills or apparently unrelated concretions. Mottling due to bioturbation. Siliceous, flattened, worm tubes occur throughout core.</p> <p>Minor lithology: Volcanic coarse/fine-grained SANDSTONE (5Y 4/1), in Section 2, 48 cm (1 mm thick), Section 3, 5-11 cm, 12-13 cm, 50-64 cm, 66-67.5 cm, and Section 6, 27-28 cm. Moderate bioturbation common. Section 5, 50-64 cm SANDSTONE shows: 50-54 cm bioturbated ash, 54-63 cm normally-graded coarse to very fine, diffusely laminated, interval, and 63-64 cm inversely-graded very fine to coarse interval, base bioturbated.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>3.52</td> <td>3.70</td> </tr> <tr> <td></td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>5</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>3</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Amphibole</td> <td>2</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>3</td> </tr> <tr> <td>* Feldspar</td> <td>2</td> <td>3</td> </tr> <tr> <td>Glass</td> <td>5</td> <td>5</td> </tr> <tr> <td>Mica</td> <td>1</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>1</td> <td>2</td> </tr> </table>		3.52	3.70		M	D	Silt	5	5	Clay	2	3	Amphibole	2	2	Clay	2	3	* Feldspar	2	3	Glass	5	5	Mica	1	2	Quartz	1	2
	3.52	3.70																																							
	M	D																																							
Silt	5	5																																							
Clay	2	3																																							
Amphibole	2	2																																							
Clay	2	3																																							
* Feldspar	2	3																																							
Glass	5	5																																							
Mica	1	2																																							
Quartz	1	2																																							
B						0.40																																			
N					R	0.40																																			
N					R	0.40																																			
N					N	0.40																																			
N					N	0.40																																			



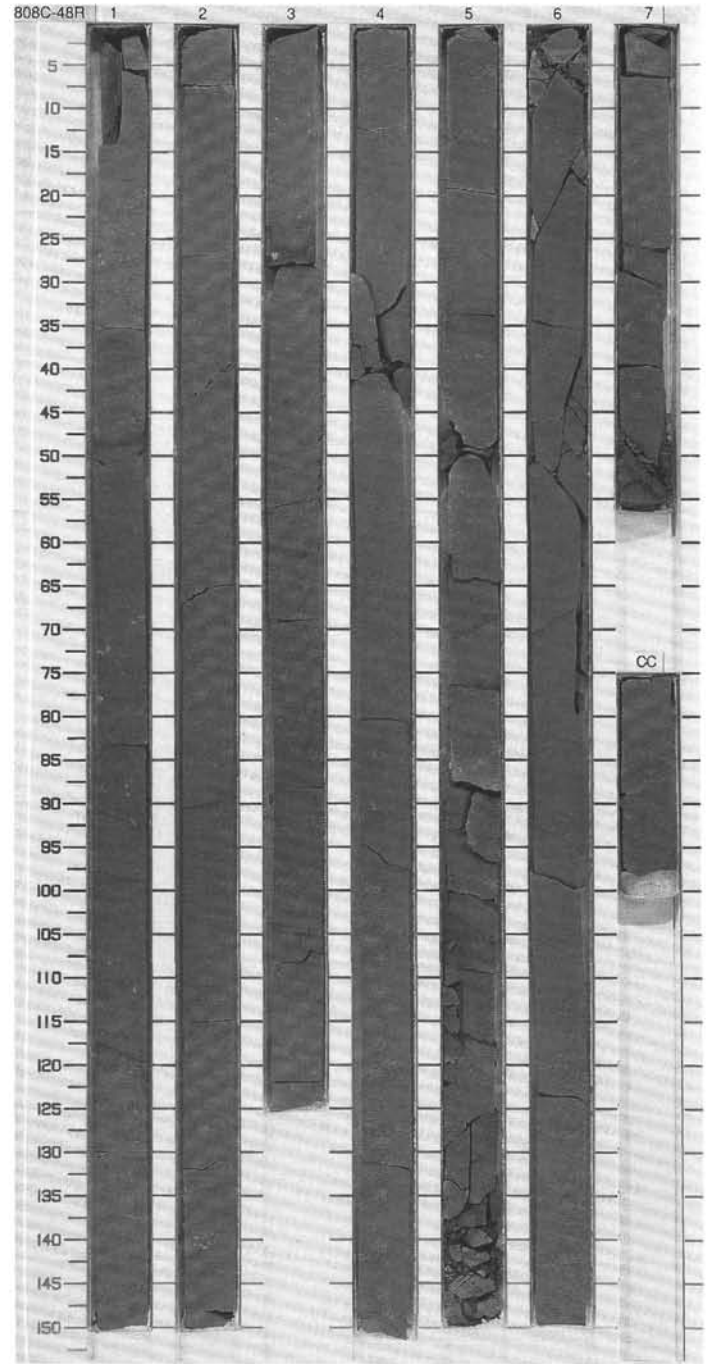
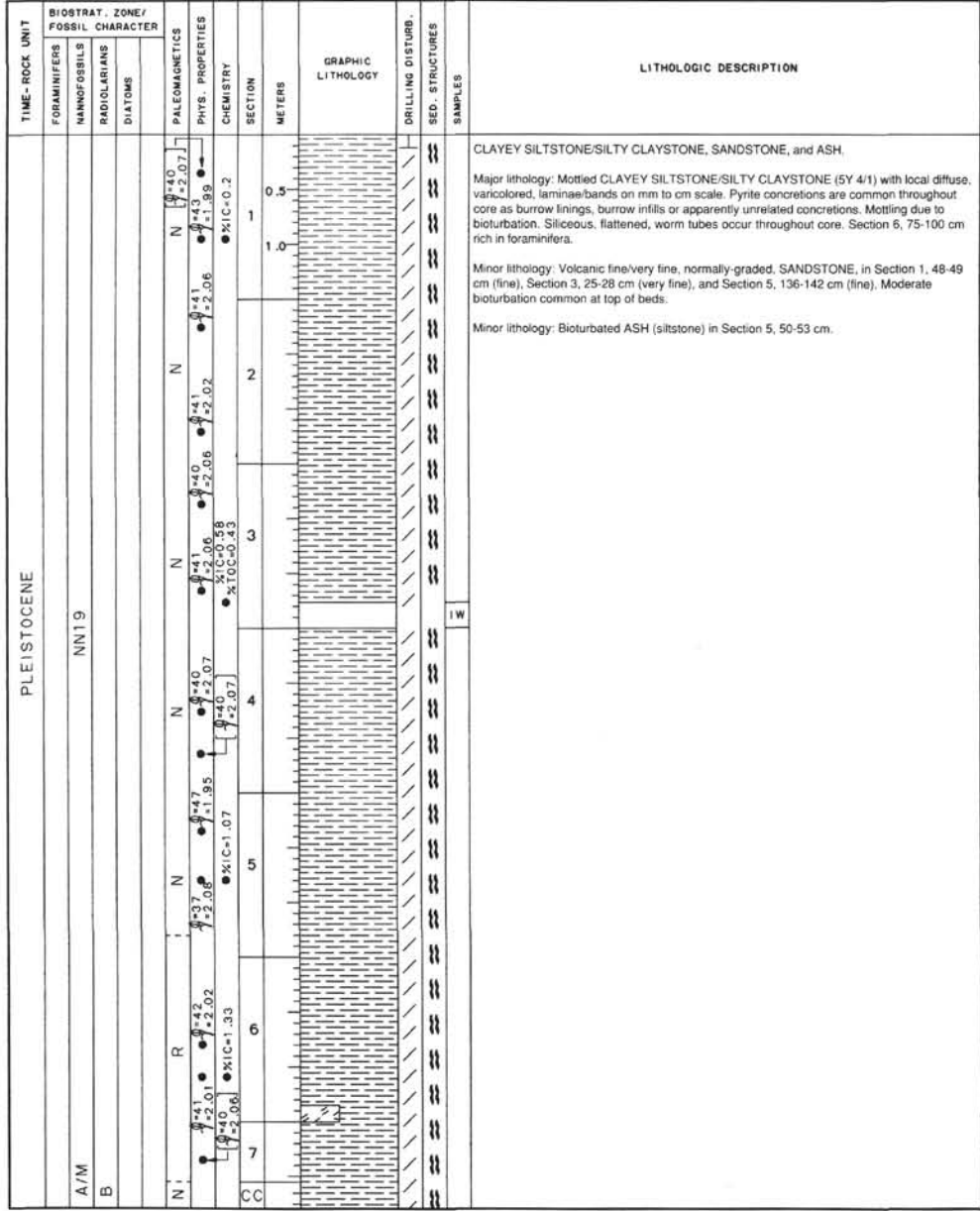
SITE 808 HOLE C CORE 46R CORED INTERVAL 5406.3-5416.0 MBSL; 731.7-741.4 mbsf

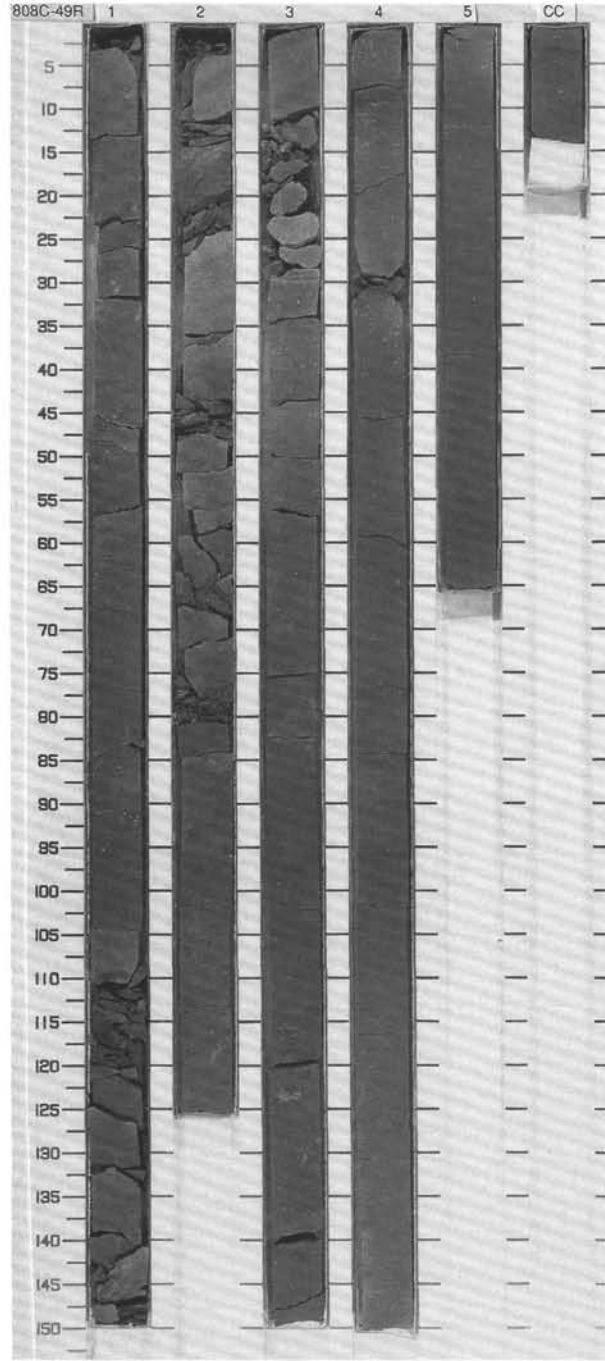
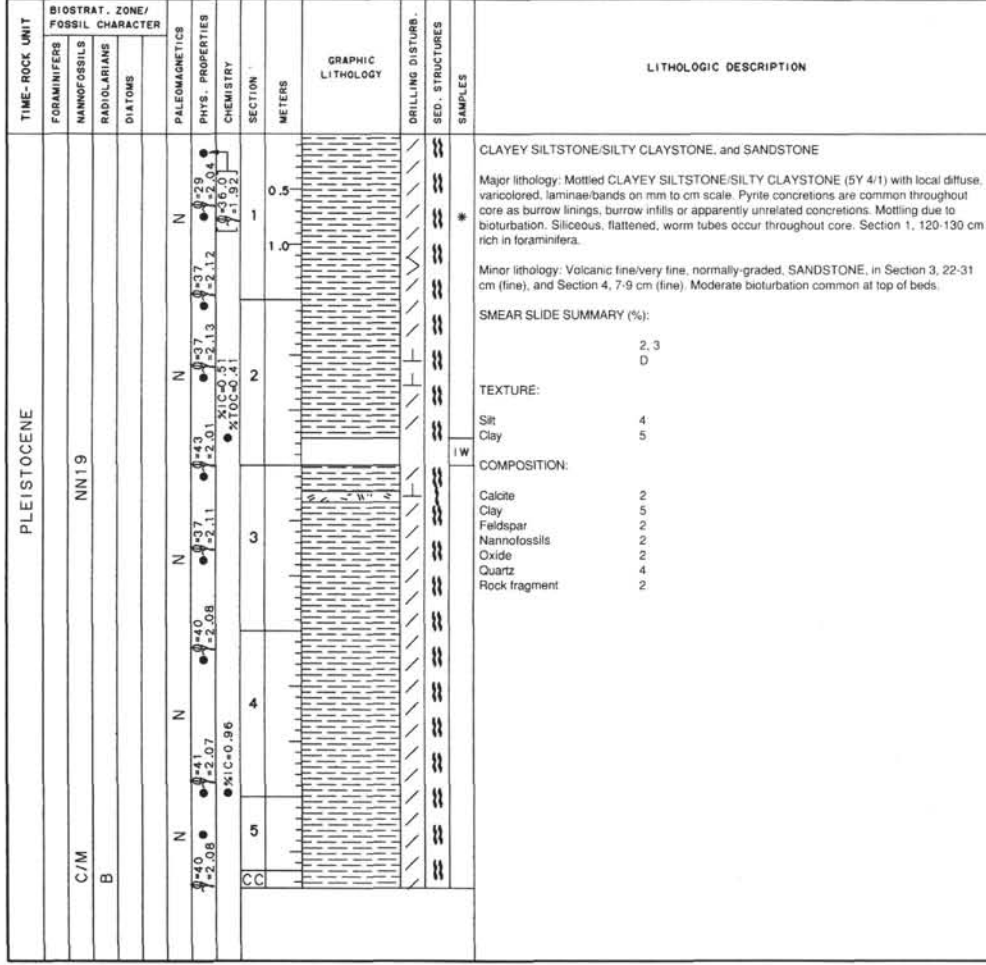


SITE 808 HOLE C CORE 47R CORED INTERVAL 5416.0-5425.7 mbsl; 741.4-751.1 mbsf

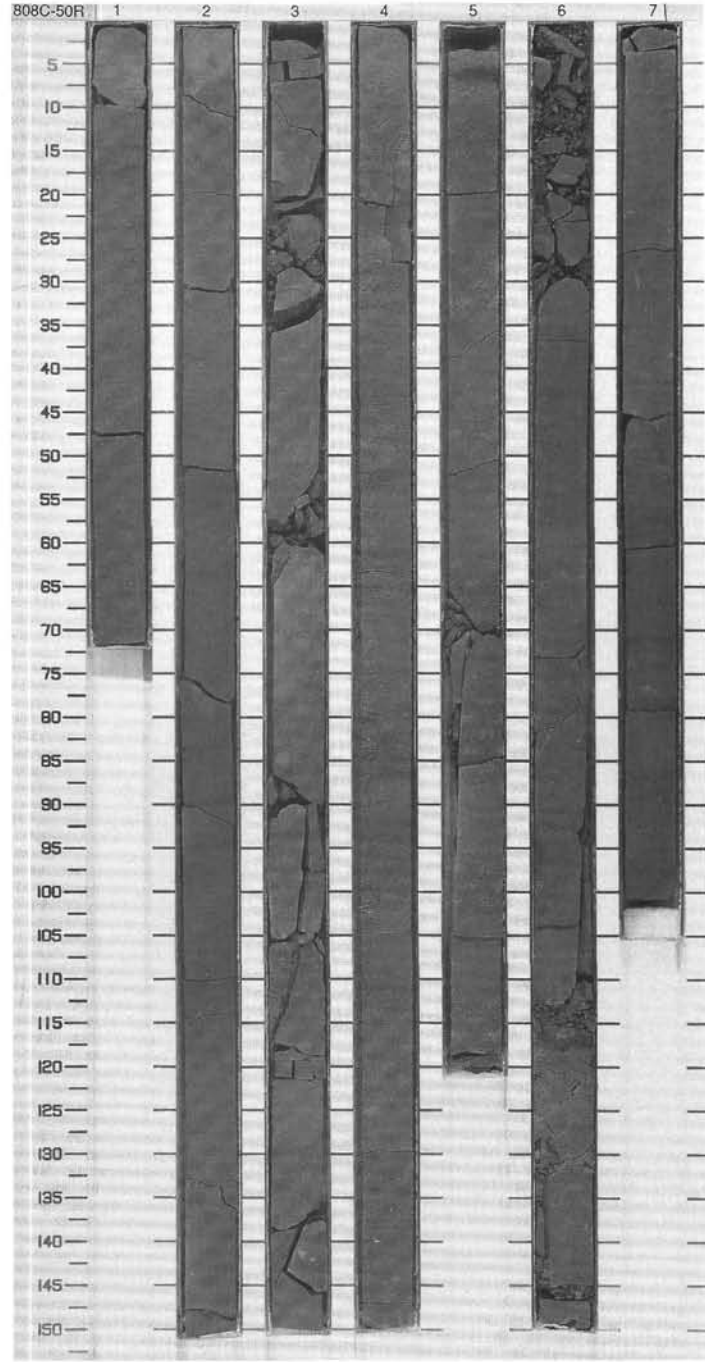
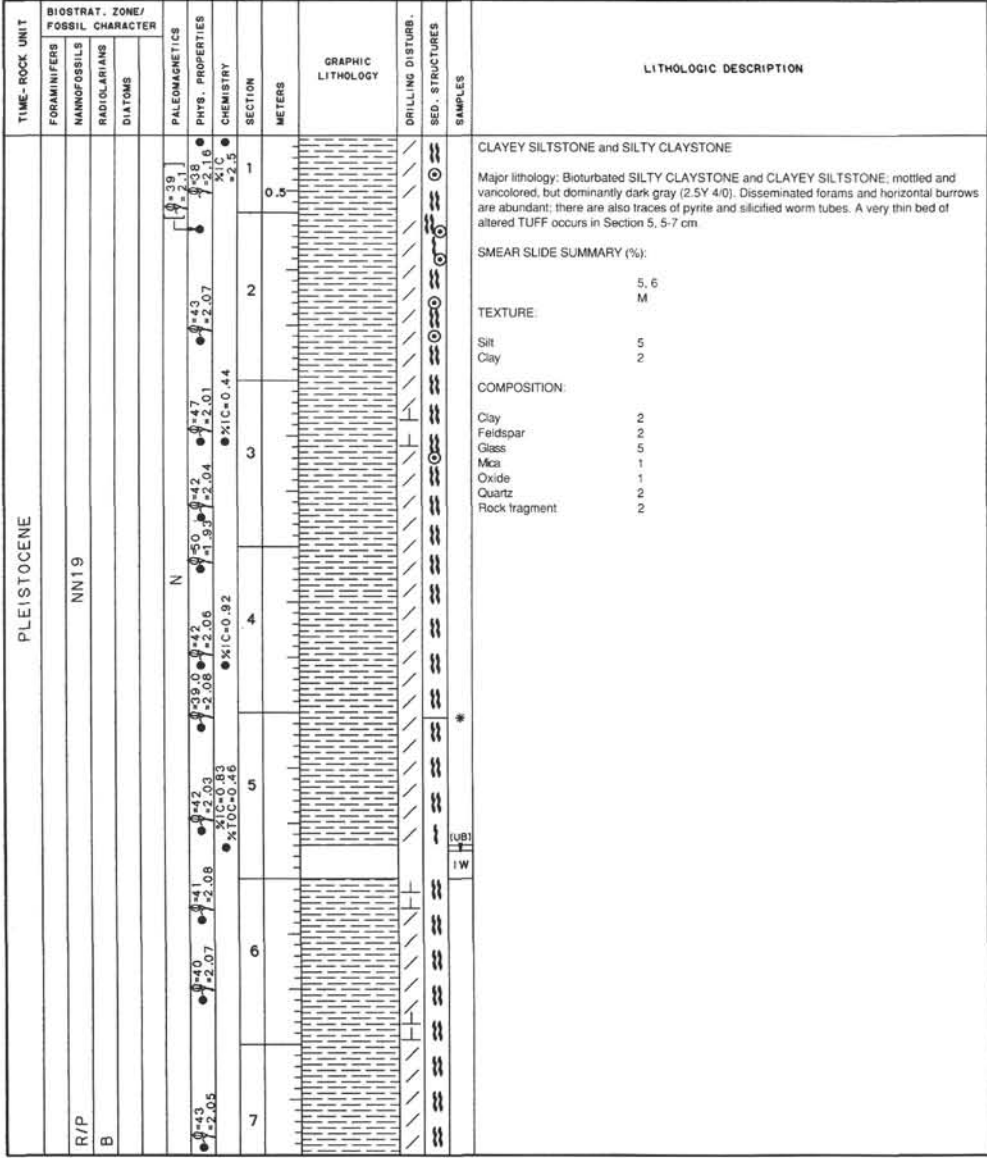


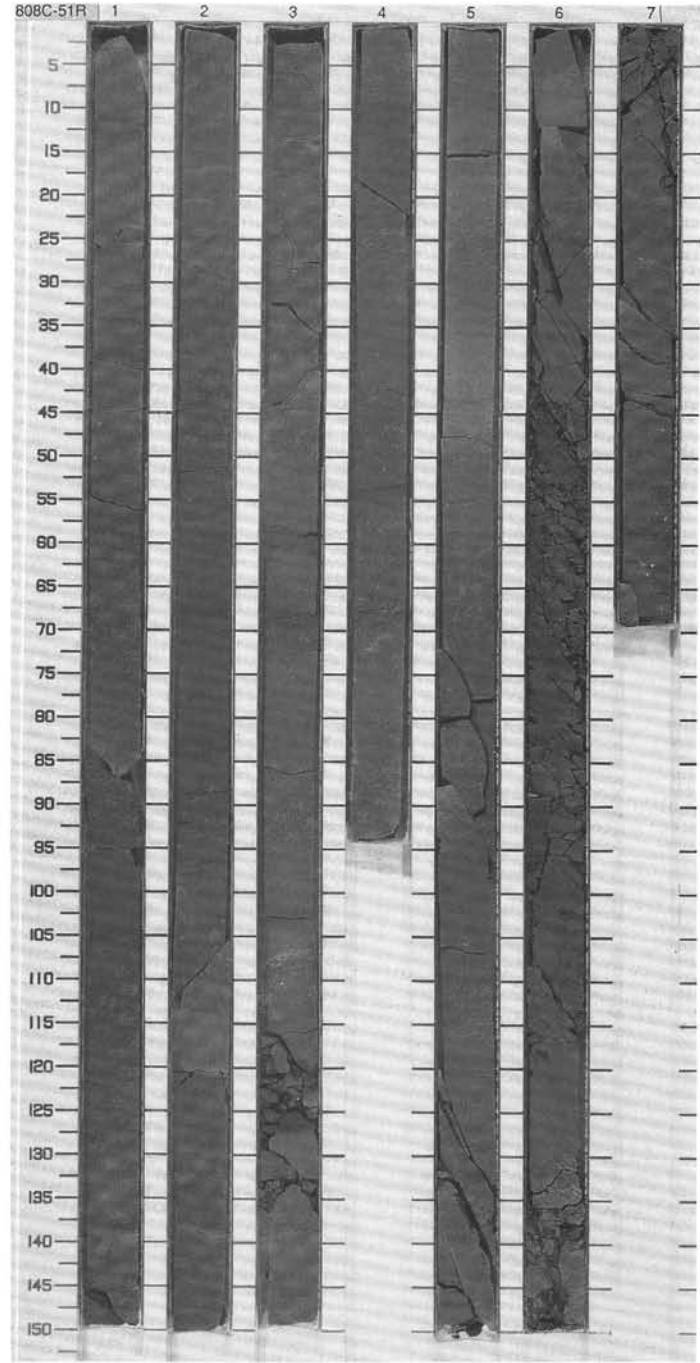
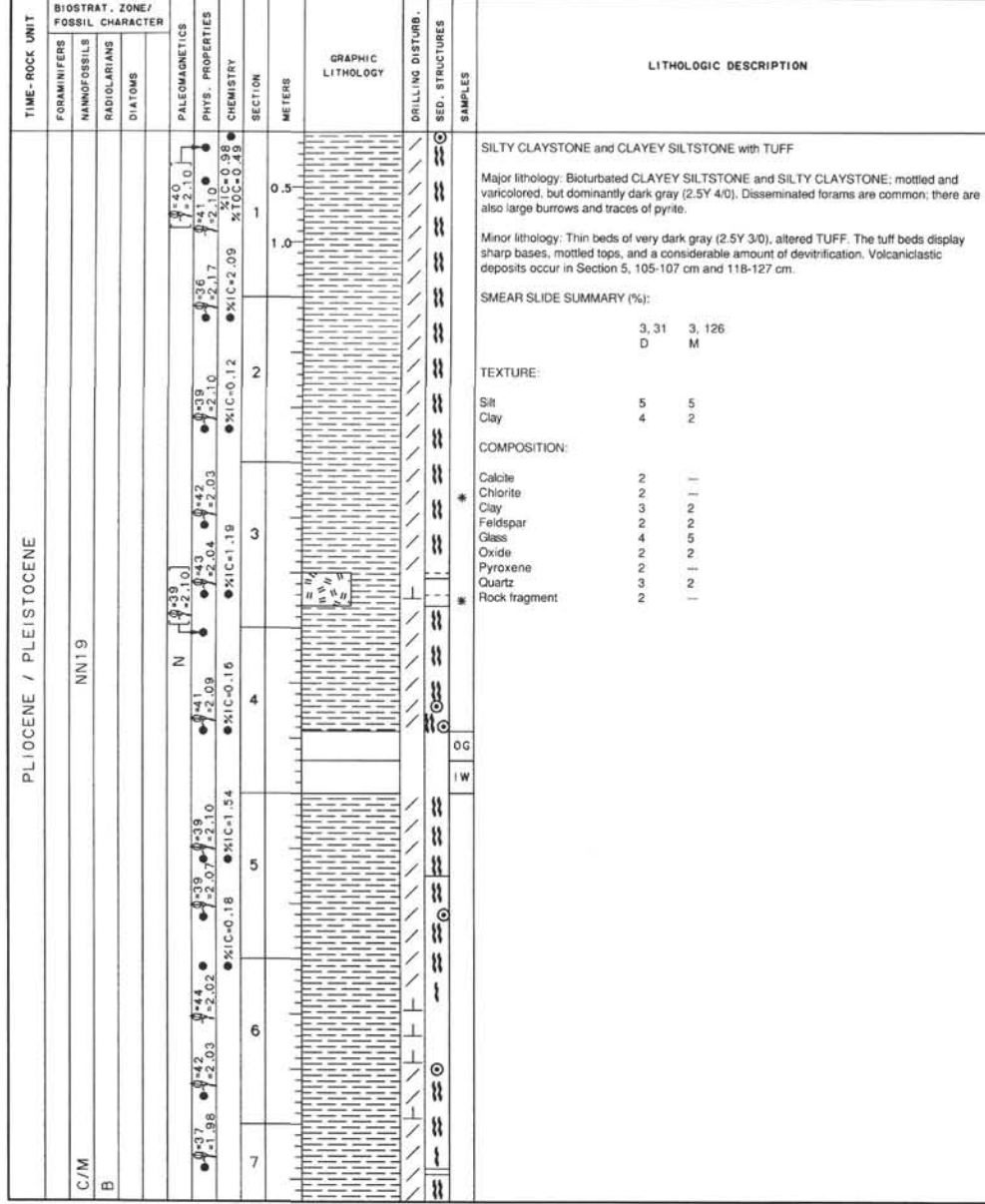
SITE 808 HOLE C CORE 48R CORED INTERVAL 5425.7-5435.3 mbsf; 751.1-760.7 mbsf



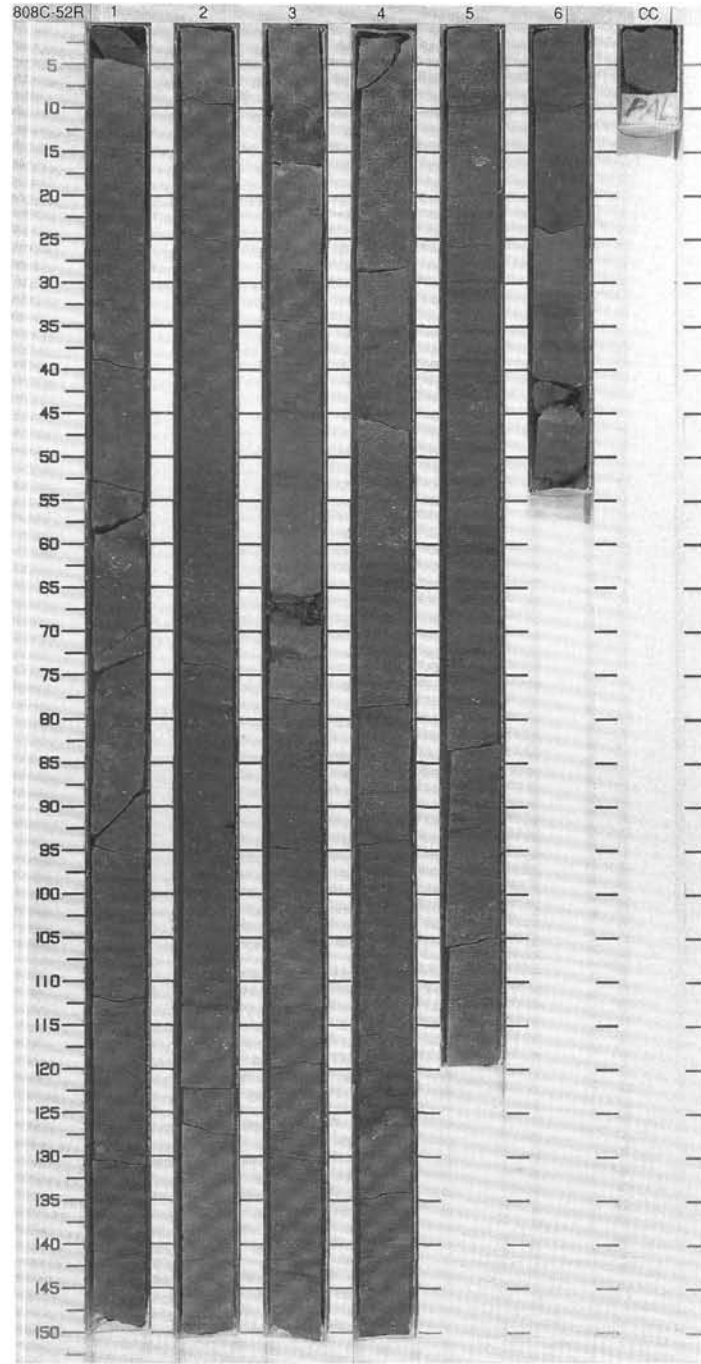
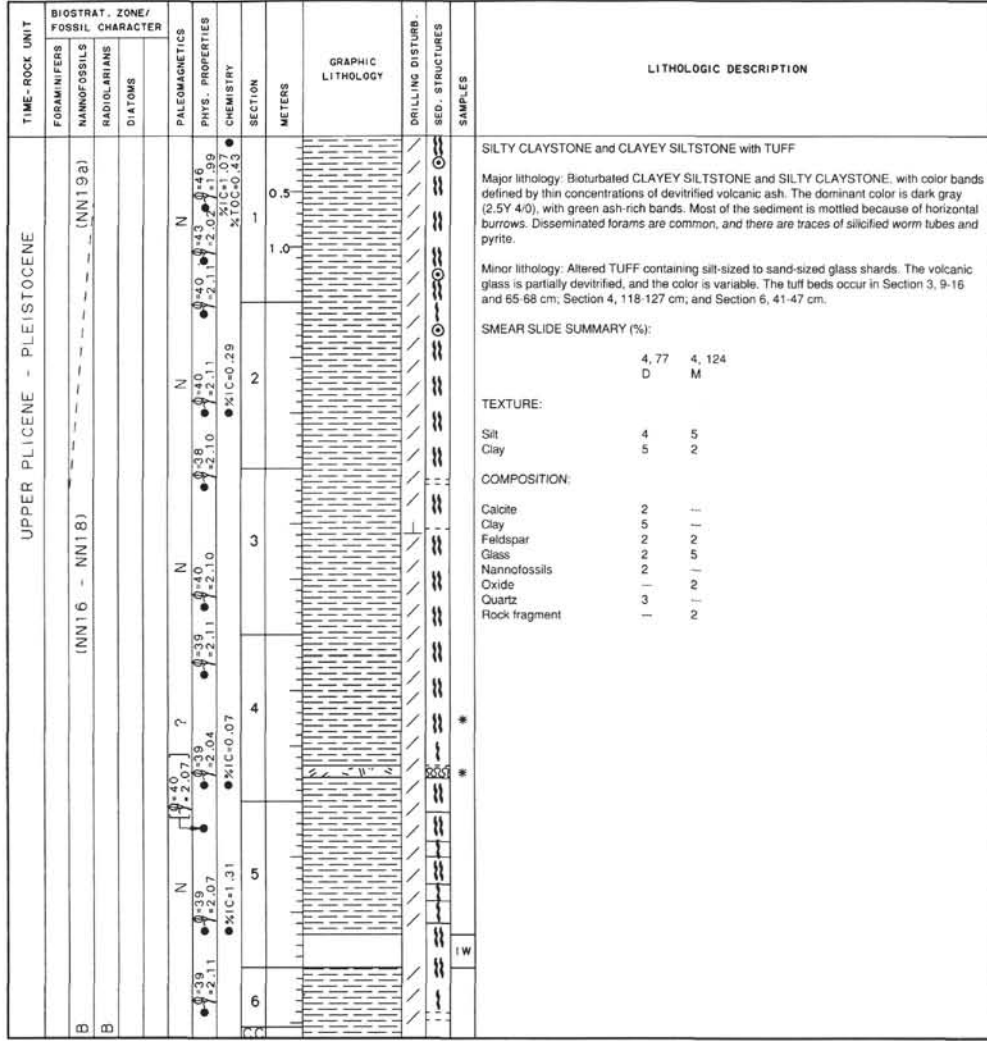


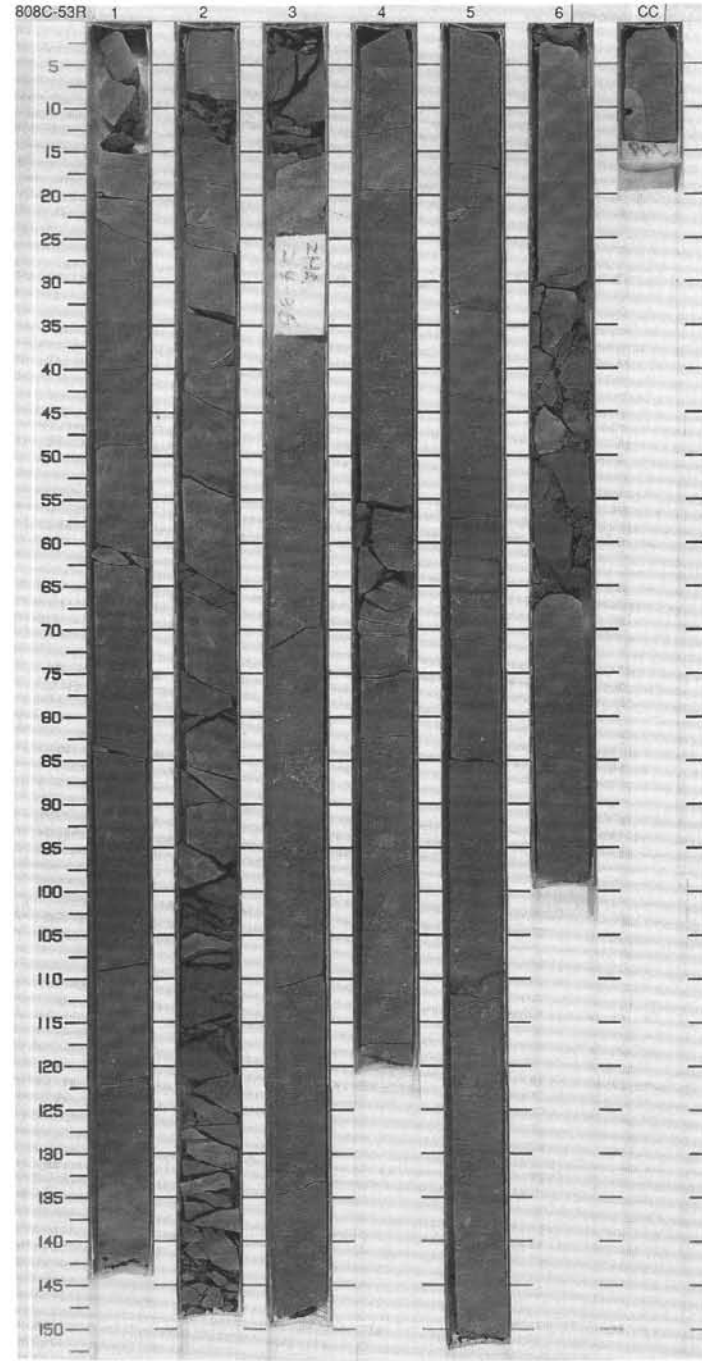
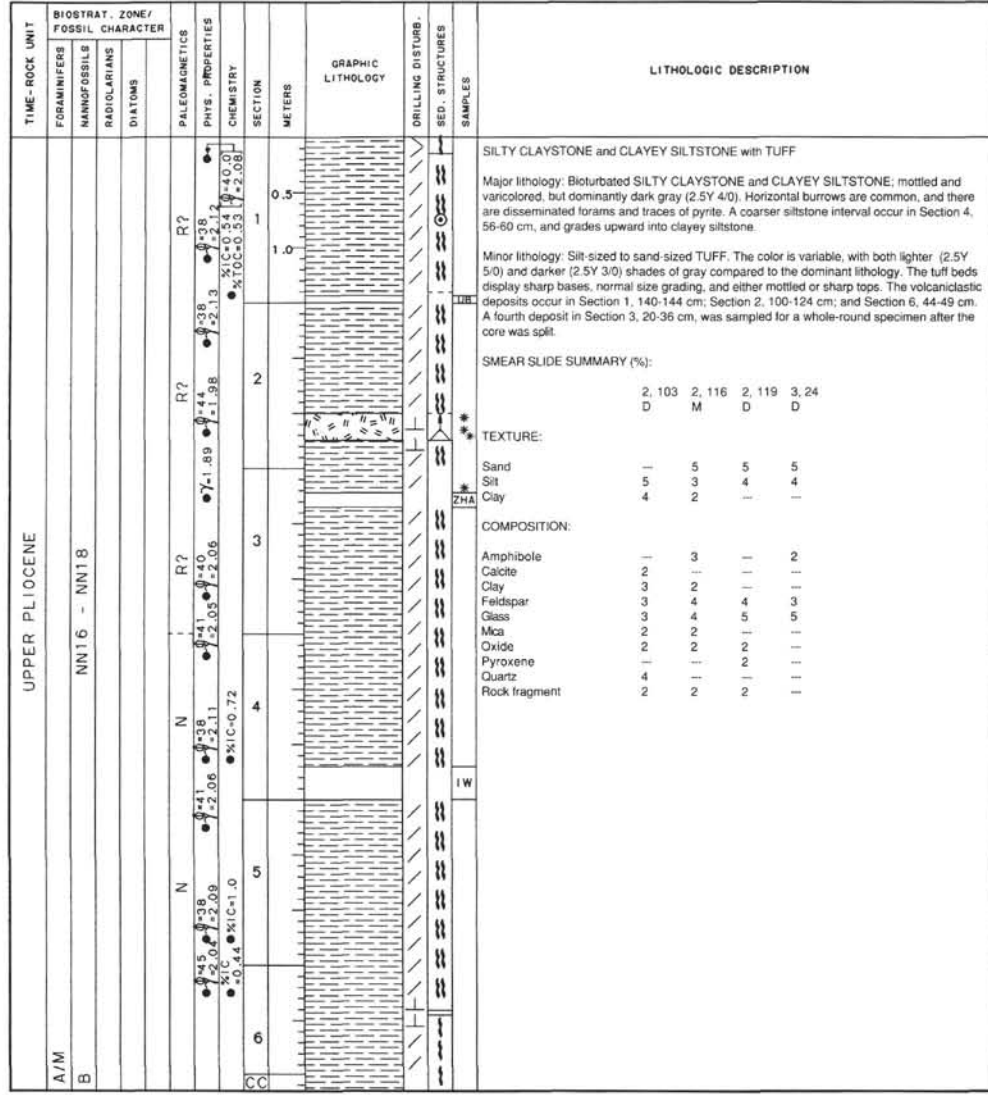
SITE 808 HOLE C CORE 50R CORED INTERVAL 5445.0-5454.7 mbsf; 770.4-780.1 mbsf





SITE 808 HOLE C CORE 52R CORED INTERVAL 5464.4-5474.0 mbsl; 789.8-799.4 mbsf





SILTY CLAYSTONE and CLAYEY SILTSTONE with TUFF

Major lithology: Bioturbated SILTY CLAYSTONE and CLAYEY SILTSTONE; mottled and varicolored, but dominantly dark gray (2.5Y 4/0). Horizontal burrows are common, and there are disseminated forams and traces of pyrite. A coarser siltstone interval occur in Section 4, 56-60 cm, and grades upward into clayey siltstone.

Minor lithology: Silt-sized to sand-sized TUFF. The color is variable, with both lighter (2.5Y 5/0) and darker (2.5Y 3/0) shades of gray compared to the dominant lithology. The tuff beds display sharp bases, normal size grading, and either mottled or sharp tops. The volcanoclastic deposits occur in Section 1, 140-144 cm; Section 2, 100-124 cm; and Section 6, 44-49 cm. A fourth deposit in Section 3, 20-36 cm, was sampled for a whole-round specimen after the core was split.

SMEAR SLIDE SUMMARY (%):

	2, 103	2, 116	2, 119	3, 24
D	M	D	D	

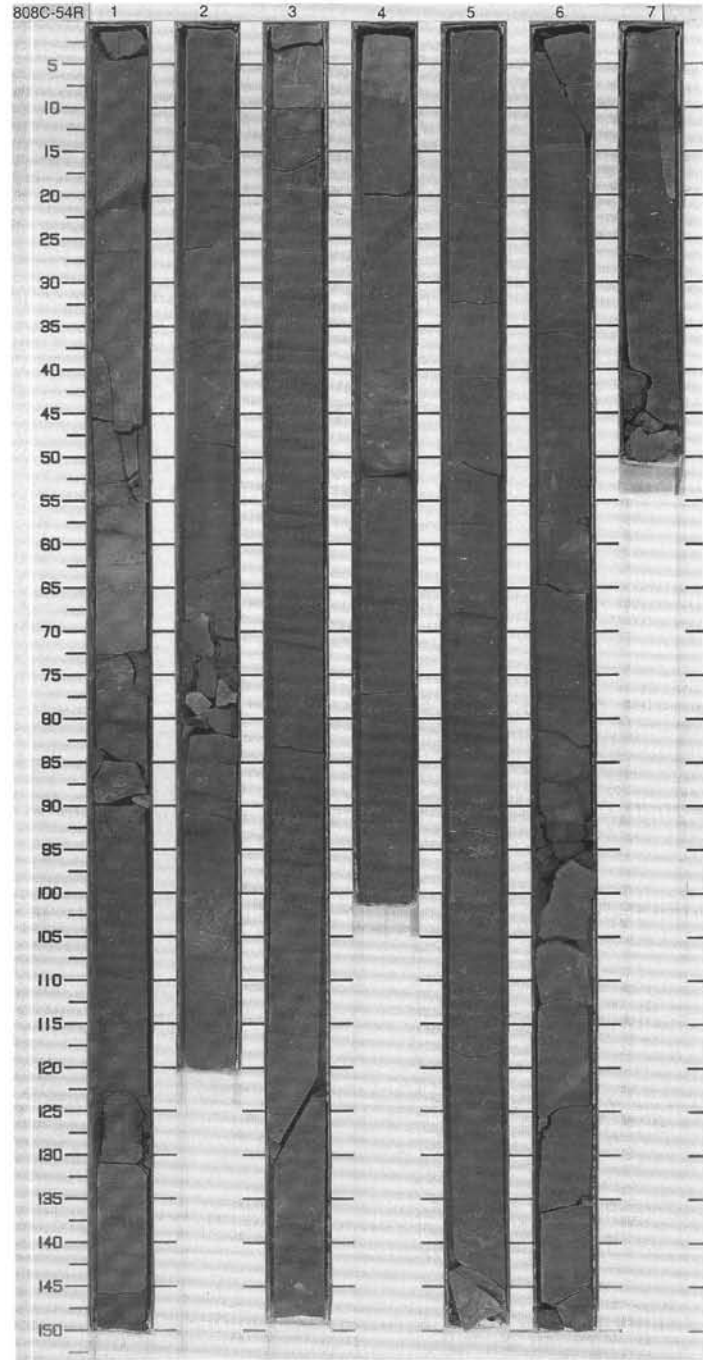
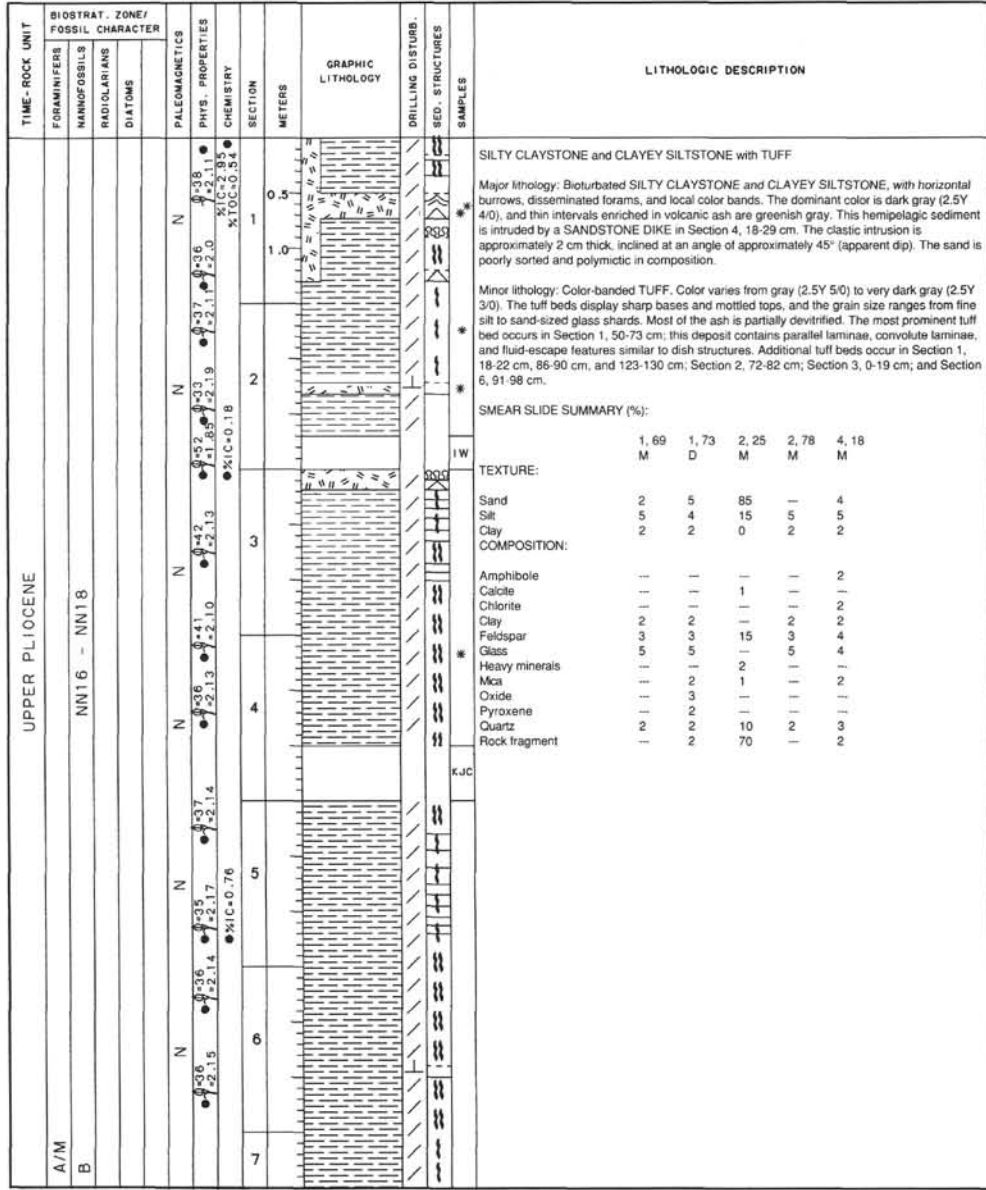
TEXTURE:

Sand	5	5	5	5
Silt	5	3	4	4
Clay	4	2	-	-

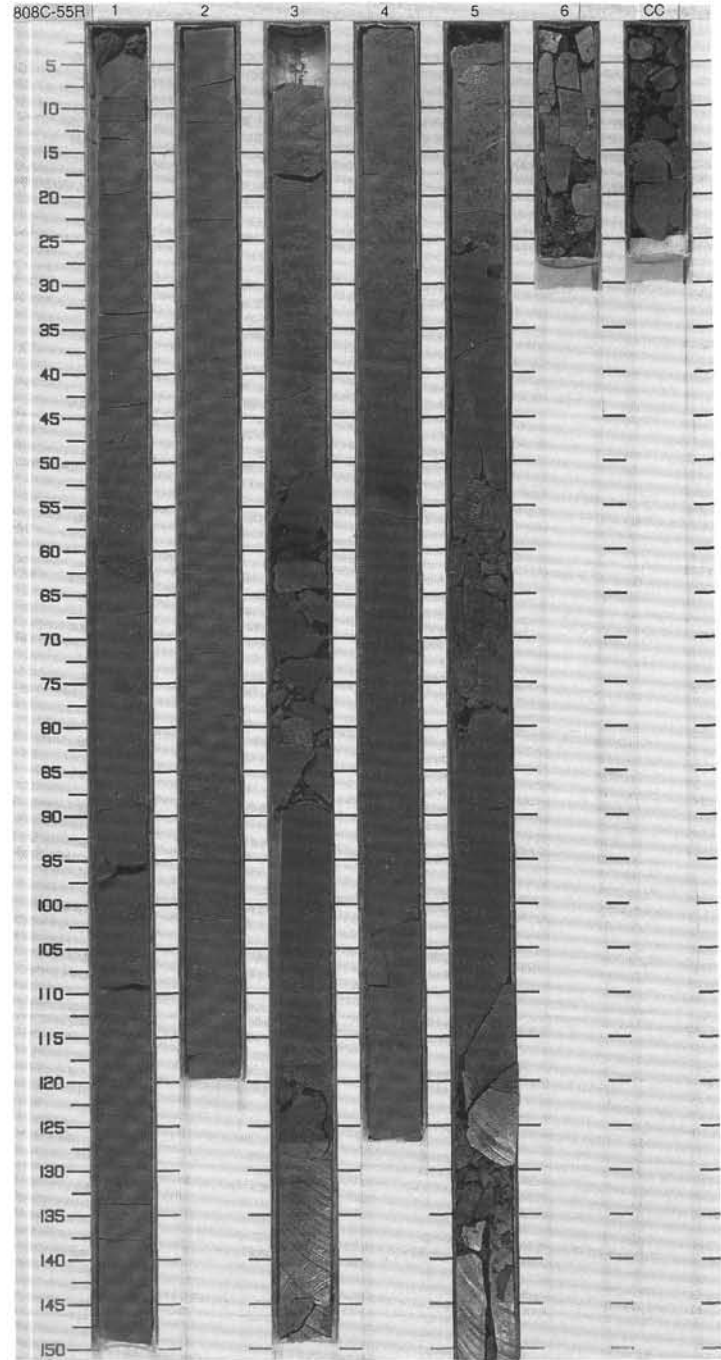
COMPOSITION:

Amphibole	-	3	-	2
Calcite	2	-	-	-
Clay	3	2	-	-
Feldspar	3	4	4	3
Glass	3	4	5	5
Mica	2	2	-	-
Oxide	2	2	2	-
Pyroxene	-	-	2	-
Quartz	4	-	-	-
Rock fragment	2	2	2	-

SITE 808 HOLE C CORE 54R CORED INTERVAL 5483.7-5493.3 mbsf; 809.1-818.7 mbsf

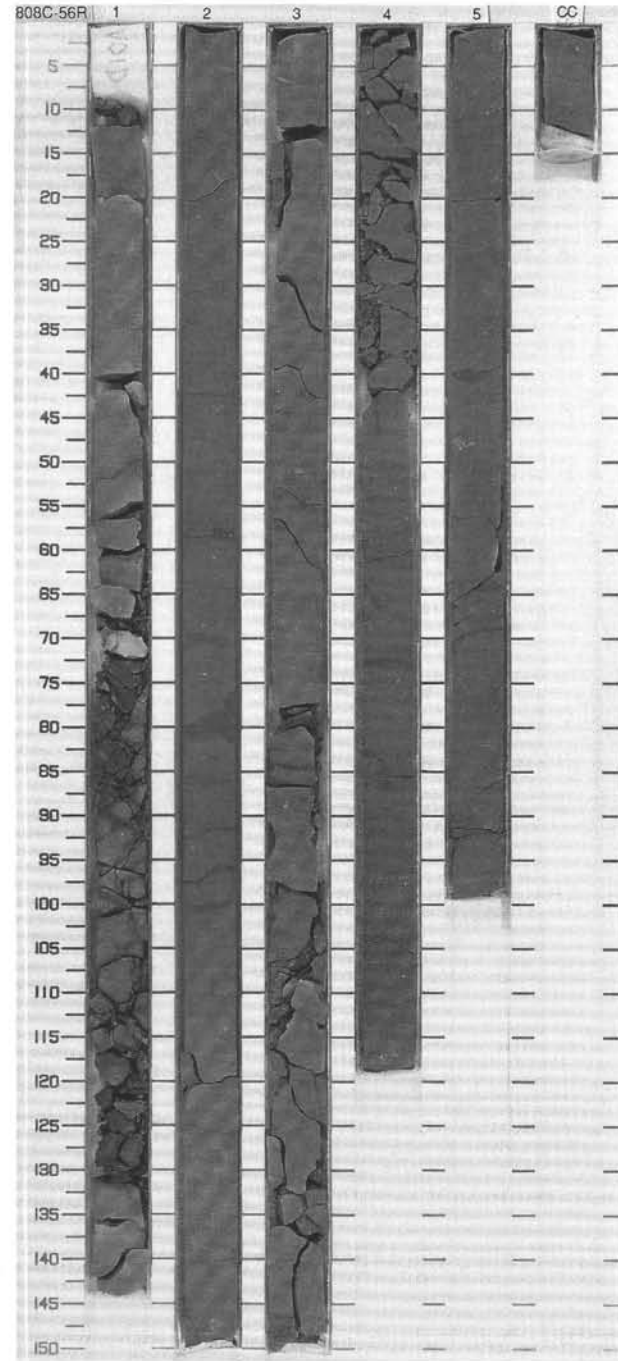


TIME-ROCK UNIT	BIOSTRAT. ZONE/FOSSIL CHARACTER		PALEOMAGNETICS	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLER	LITHOLOGIC DESCRIPTION	
	FOSSIL CHARACTER									CHEMISTRY SECTION
	FORAMINIFERS	RADIOLARIANS								
UPPER PLIOCENE										
A/M	NN16 - NN18		N	0.35-0.37				SILTY CLAYSTONE and CLAYEY SILTSTONE with TUFF Major lithology: Bioturbated SILTY CLAYSTONE and CLAYEY SILTSTONE, mottled and varicolored, with dark gray (2.5Y 4/0) as the dominant color. There are numerous horizontal burrows, traces of pyrite, and disseminated forams. Minor lithology: Thin to very thin beds of sand sized to silt-sized TUFF, dark gray in color (2.5Y 4/0 to 2.5Y 3/0). The tuff beds display sharp bases, normal size grading or massive bedding, and mottled tops. The volcanoclastic deposits occur in Section 3, 51-57 cm and 122-127 cm; and Section 4, 52-54 cm. SMEAR SLIDE SUMMARY (%): 3, 125 M TEXTURE: Sand 4 Silt 5 COMPOSITION: Feldspar 3 Glass 5 Mica 2 Quartz 2 Rock fragment 2		
B			N	0.37-0.38						
			N	0.18-0.22						
			R	0.36-0.37						
			R	0.36-0.37						
			R	0.36-0.37						
			R	0.36-0.37						
			R	0.36-0.37						
			R	0.36-0.37						
			R	0.36-0.37						
			R	0.36-0.37						
			R	0.36-0.37						
			R	0.36-0.37						
			R	0.36-0.37						
CC			R	0.36-0.37						

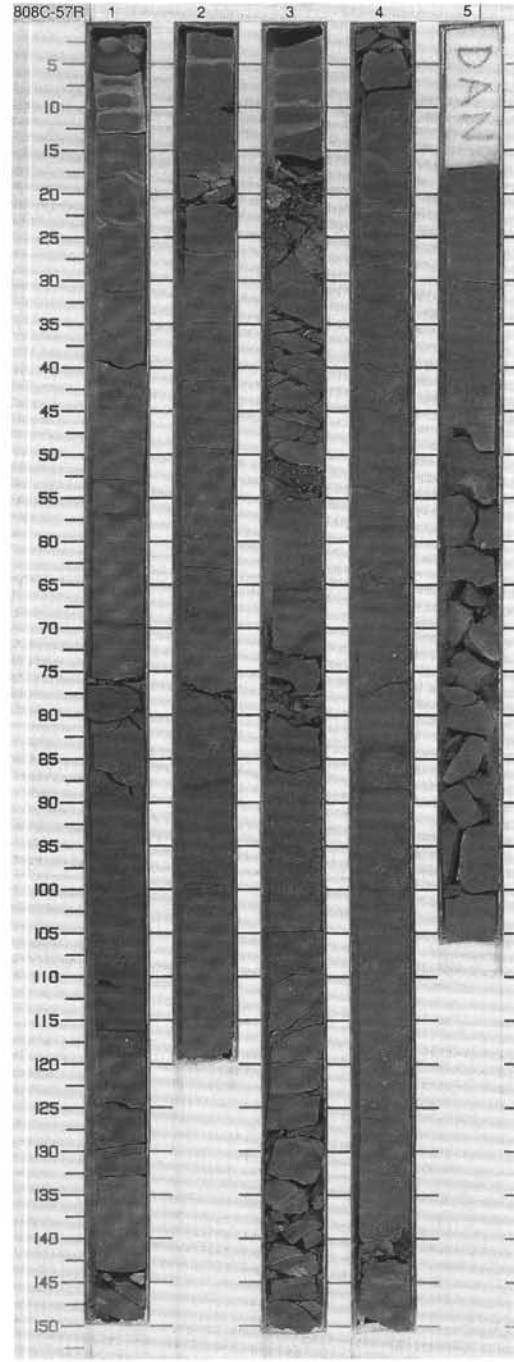


SITE 808 HOLE C CORE 56R CORED INTERVAL 5503.0-5512.7 mbsl; 828.4-838.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETIC	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS								
	PHYS. PROPERTIES											
	CHEMISTRY											
UPPER PLIOCENE	NN16 - NN18				N	1	0.5				<p>CLAYEY SILTSTONE/SILTY CLAYSTONE, ASH and SILTSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Pyrite concretions are common throughout core as burrow linings, burrow infills or apparently unrelated concretions. Mottling due to bioturbation. Siliceous, flattened, worm tubes occur throughout core.</p> <p>Minor lithology: Bioturbated, silicified silty ASH in Section 1, 69-72 cm.</p> <p>Minor lithology: Laminated SILTSTONE in Section 1, 129-132 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p>1, 70 D</p> <p>TEXTURE:</p> <p>Silt 5 Clay 3</p> <p>COMPOSITION:</p> <p>Chlorite 2 Clay 3 Feldspar 2 Glass 5 Oxide 2 Quartz 2</p>	
	C/M				N	2	1.0					
	B				N	3	1.5					
					N	4	2.0					
					N	5	2.5					
				N	6	3.0						
				N	7	3.5						
				N	8	4.0						
				N	9	4.5						
				N	10	5.0						
				N	11	5.5						
				N	12	6.0						
				N	13	6.5						
				N	14	7.0						
				N	15	7.5						
				N	16	8.0						
				N	17	8.5						
				N	18	9.0						
				N	19	9.5						
				N	20	10.0						
				N	21	10.5						
				N	22	11.0						
				N	23	11.5						
				N	24	12.0						
				N	25	12.5						
				N	26	13.0						
				N	27	13.5						
				N	28	14.0						
				N	29	14.5						
				N	30	15.0						

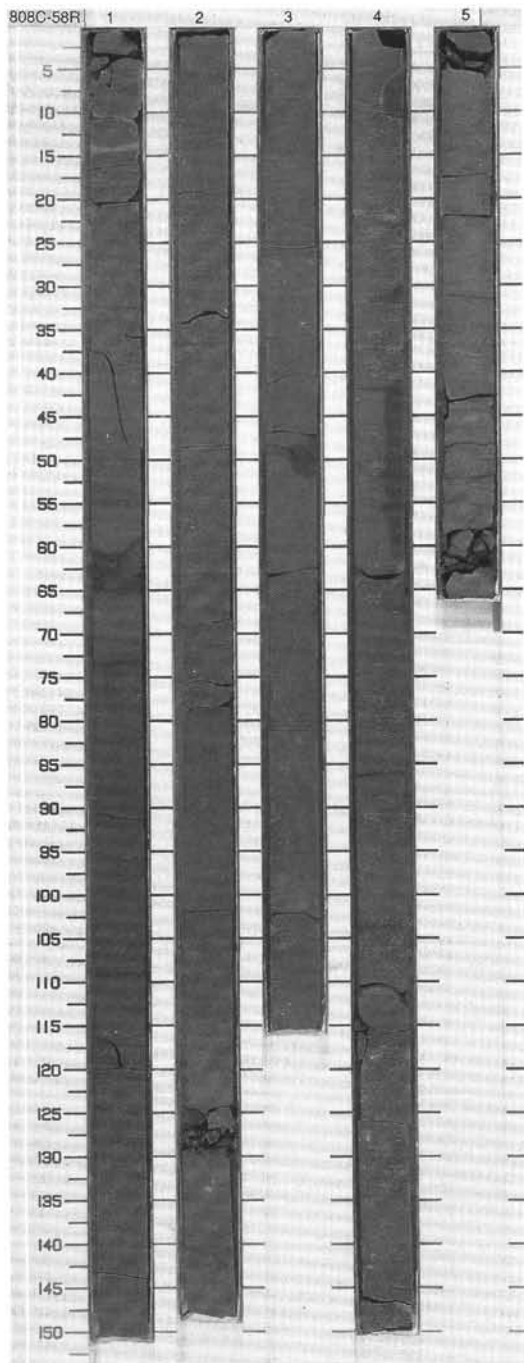


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																												
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																																						
UPPER PLIOCENE	NN16 - NN18													<p>CLAYEY SILTSTONE/SILTY CLAYSTONE and ASH</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Pyrite concretions are common throughout core as burrow linings, burrow infills or apparently unrelated concretions. Mottling due to bioturbation. Siliceous, flattened, worm tubes occur throughout core.</p> <p>Minor lithology: Bioturbated, silicified silty ASH in Section 4, 140-145 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td>1</td> <td>51</td> <td>3</td> <td>10</td> </tr> <tr> <td>D</td> <td></td> <td>D</td> <td></td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>4</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Calcite</td> <td>2</td> <td>2</td> </tr> <tr> <td>Chlorite</td> <td>—</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>2</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>3</td> </tr> <tr> <td>Glass</td> <td>—</td> <td>3</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>2</td> </tr> <tr> <td>Nannofossils</td> <td>3</td> <td>2</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>—</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>3</td> </tr> <tr> <td>Rock fragment</td> <td>—</td> <td>2</td> </tr> </table>	1	51	3	10	D		D		Silt	4	5	Clay	5	4	Calcite	2	2	Chlorite	—	2	Clay	4	2	Feldspar	3	3	Glass	—	3	Mica	2	2	Nannofossils	3	2	Oxide	2	—	Quartz	3	3	Rock fragment	—	2
	1	51	3	10																																																						
	D		D																																																							
	Silt	4	5																																																							
	Clay	5	4																																																							
Calcite	2	2																																																								
Chlorite	—	2																																																								
Clay	4	2																																																								
Feldspar	3	3																																																								
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Oxide	2	—																																																								
Quartz	3	3																																																								
Rock fragment	—	2																																																								
A/M																																																										
B																																																										



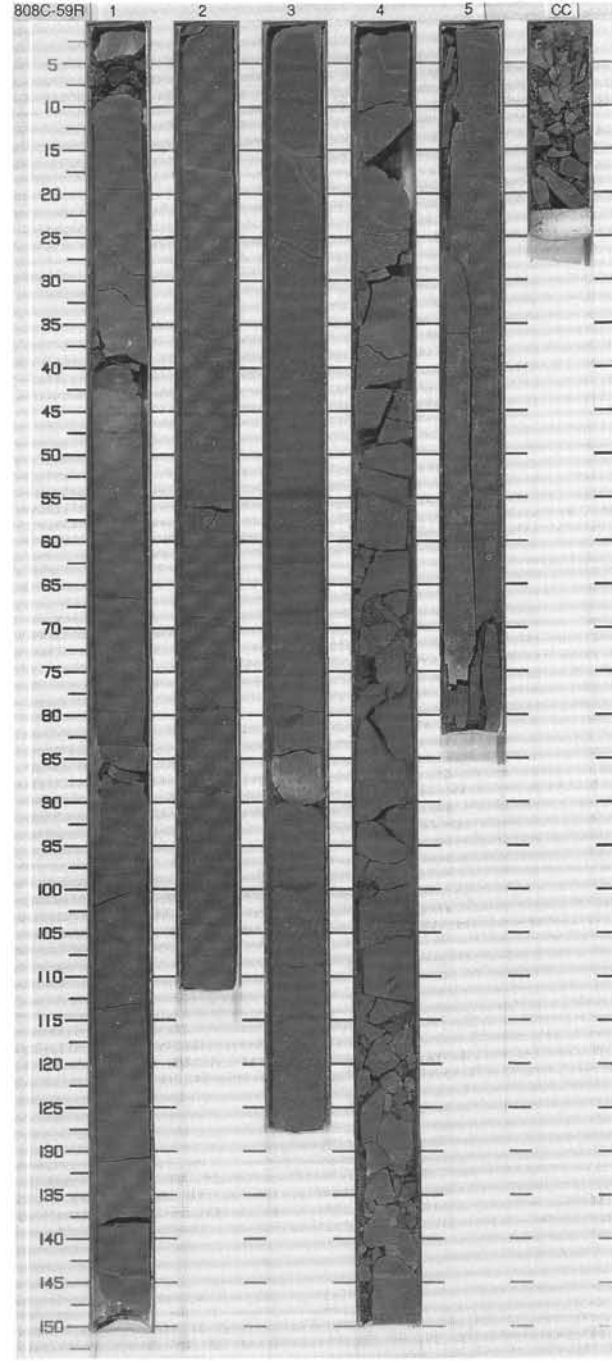
SITE 808 HOLE C CORE 58R CORED INTERVAL 5522.0-5531.7 mbsl; 847.4-857.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION		
	FORAMINIFERS	NAKNOFOSSILS	RADIODIOLARIANS	DIATOMS										
													%IC=0.39	%IIC=0.36
													%IC=0.39	%IIC=0.36
UPPER PLIOCENE	NN16 - NN18				N	0-0.36 +2.15 +2.18	0-37 +2.15 +2.18 %IIC=0.33	0 0.5 1.0						
	C/M				N	0-36 +2.19 +2.18	0-36 +2.19 +2.18 %IC=0.5 %IIC=0.36	1.0 2.0						
	B				N	0-35 +2.0 +2.17	0-35 +2.0 +2.17 %IC=0.39 %IIC=0.36	2.0 3.0						
					N	0-36 +2.18 +2.18	0-36 +2.18 +2.18 %IIC=0.36	3.0 4.0						
					N	0-36 +2.18 +2.18	0-36 +2.18 +2.18 %IIC=0.36	4.0 5.0						



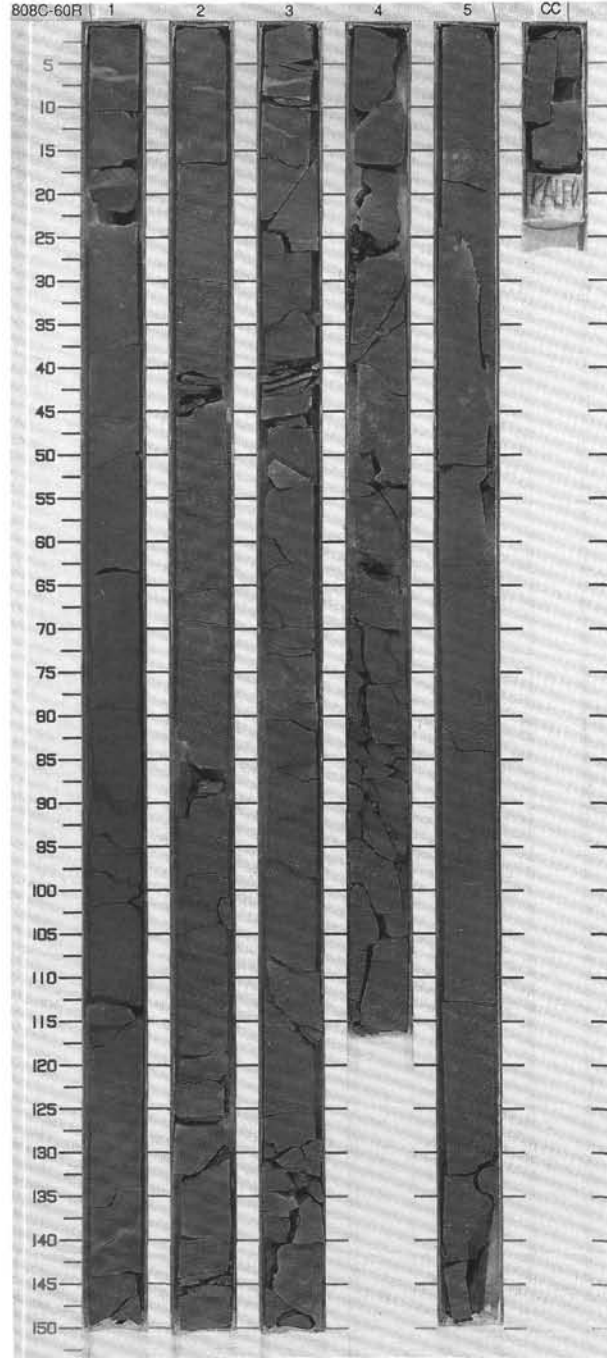
SITE 808 HOLE C CORE 59R CORED INTERVAL 5531.7-5541.4 mbsf; 857.1-866.8 mbsf

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										
UPPER PLIOCENE													
	C/M	NN16 - NN18		N	0.35 0.95 2.20 2.18	%KIC 0.81 -1.72	1	0.5 1.0					
	B			N	0.35 0.95 2.20 2.18	%KIC 0.81 -1.72	2						
				N	0.35 0.95 2.20 2.18	%KIC 0.81 -1.72	3						
				N	0.35 0.95 2.20 2.18	%KIC 0.81 -1.72	4						
						CC	5						

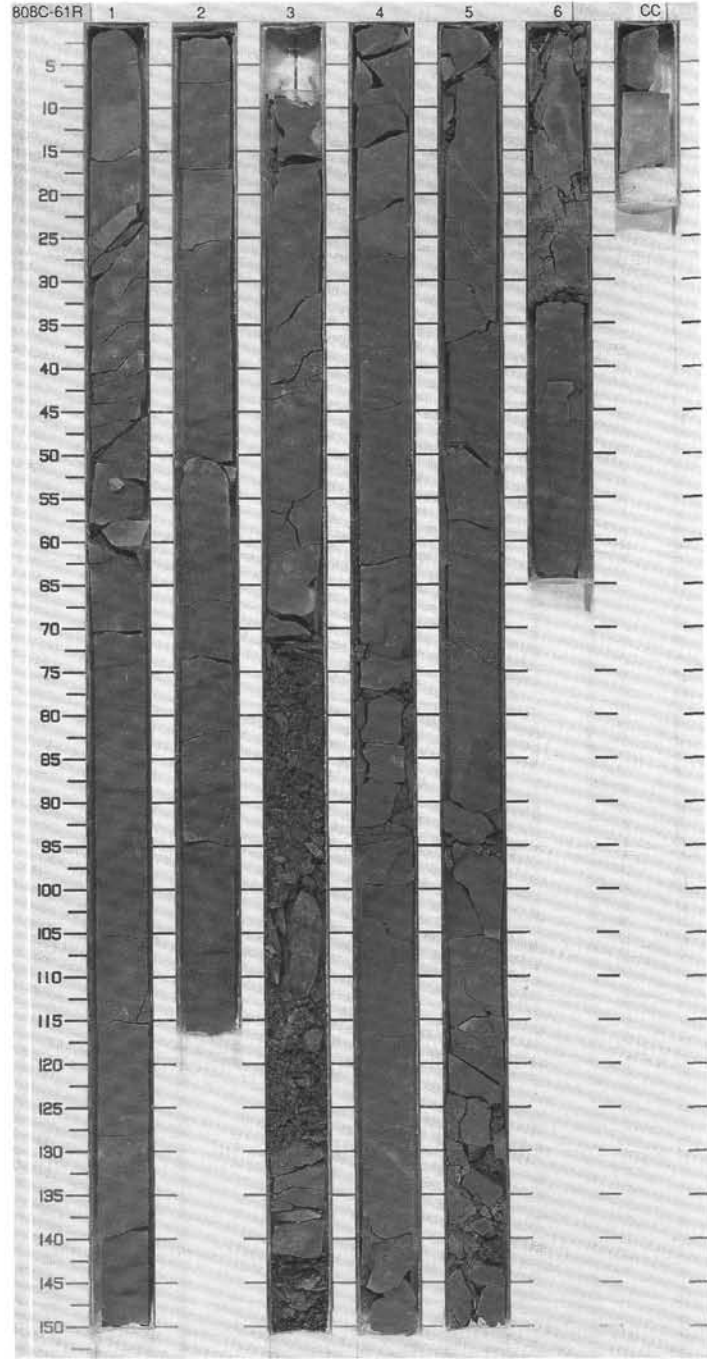


SITE 808 HOLE C CORE 60R CORED INTERVAL 5541.4-5551.1 mbsl; 868.8-876.5 mbsf

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	DIAZONAS										
LOWER PLIOCENE - UPPER PLIOCENE	NN15 - NN16				R	0.33 2.22 ●%IC-0.11	1	0.5 1.0	[Lithology symbols: horizontal dashes for siltstone/claystone, vertical dashes for shale, etc.]				<p>CLAYEY SILTSTONE/SILTY CLAYSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Pyrite concretions are common throughout core as burrow linings, burrow infills or apparently unrelated concretions. Mottling due to bioturbation. Siliceous, flattened, worm tubes occur throughout core.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p>3, 69 D</p> <p>TEXTURE:</p> <p>Silt 5 Clay 4</p> <p>COMPOSITION:</p> <p>Calcite 2 Clay 3 Feldspar 3 Glass 2 Nannofossils 3 Oxide 2 Quartz 3</p>	
	A/M					R	0.35 2.20 ●%IC-0.8	2						
	B					R	0.34 2.21 ●%IC-0.4	3						
					R	0.37 2.17 ●%IC-0.42	4							
					R	0.34 2.19 ●%IC-0.42	4							
					R	0.38 2.09 ●%IC-0.29	5							
					R	0.36 2.17 ●%IC-0.29	5							
					R	0.37 2.17 ●%IC-0.4	5							
					R	0.34 2.21 ●%IC-0.4	5							
					R	0.35 2.21 ●%IC-0.4	5							



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANOFOSSILS	RADIOLARIANS	DIATOMS									
	FOSSIL CHARACTER												
LOWER PLEISTOCENE													
	R/P	NN14 - NN15			R	0-35 2-1.9	0.5						
	B				R	0-35 2-1.9	1.0						
	R				R	0-35 2-1.9	2.0						
	R				R	0-35 2-1.9	3.0	VOID					
	R				R	0-35 2-1.9	4.0						
	R				R	0-35 2-1.9	5.0						
	R				R	0-35 2-1.9	6.0						
	CC				R	0-35 2-1.9	6.5						



SILTY CLAYSTONE with CALCAREOUS CHALK

Major lithology: Bioturbated SILTY CLAYSTONE, somewhat varicolored and mottled, with horizontal burrows. The dominant color is dark gray (2.5Y 4/0), with local color banding. Forams are disseminated throughout most of the core; there are also traces of pyrite.

Minor lithology: Well indurated, very fine-grained CALCAREOUS CHALK; the color is a lighter shade of gray (2.5Y 5/0) than dominant lithology, with minor color bands. No obvious biogenic components are preserved. This lithology occurs only in CC, 8-18 cm.

SMEAR SLIDE SUMMARY (%):

	3.80	4.148	CC. 13
	D	M	M

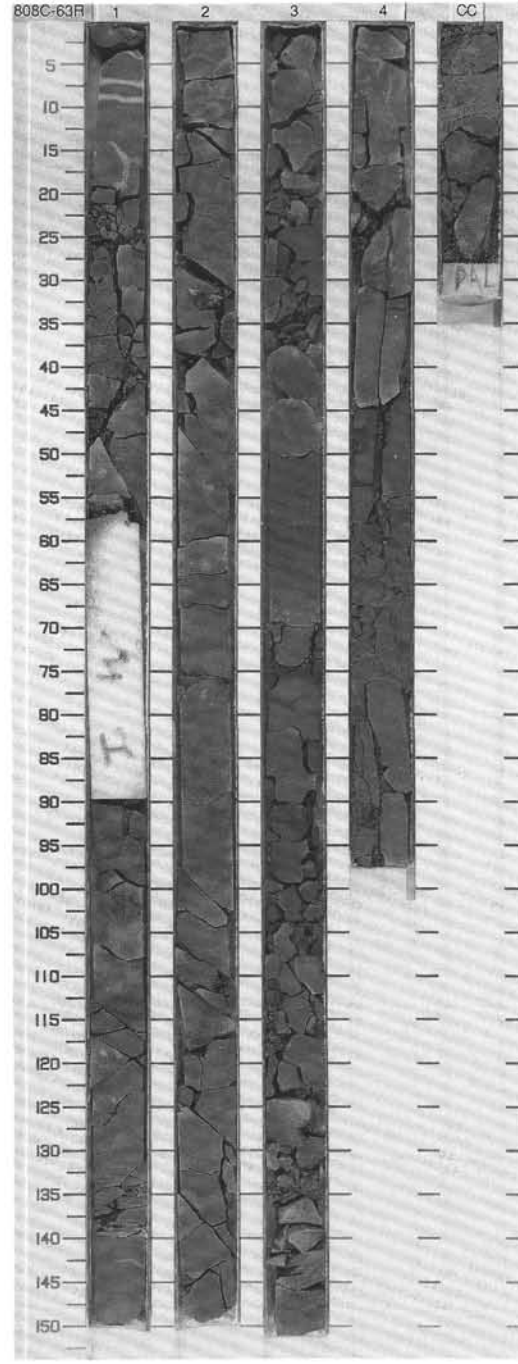
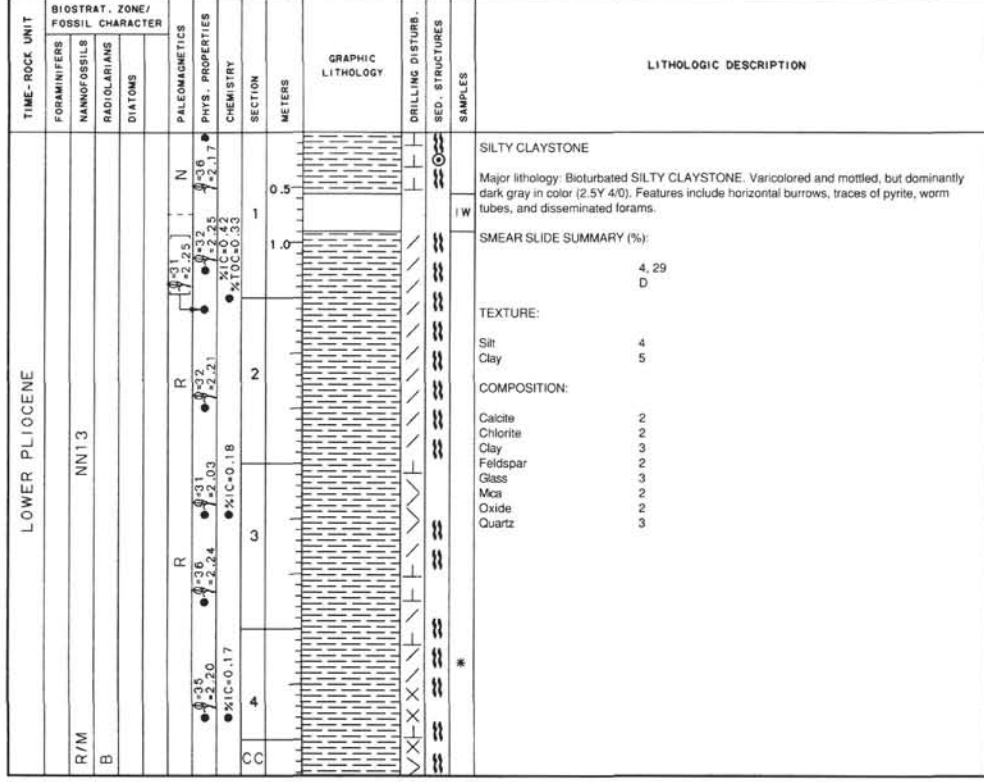
TEXTURE:

Silt	4	4	5
Clay	5	5	4

COMPOSITION:

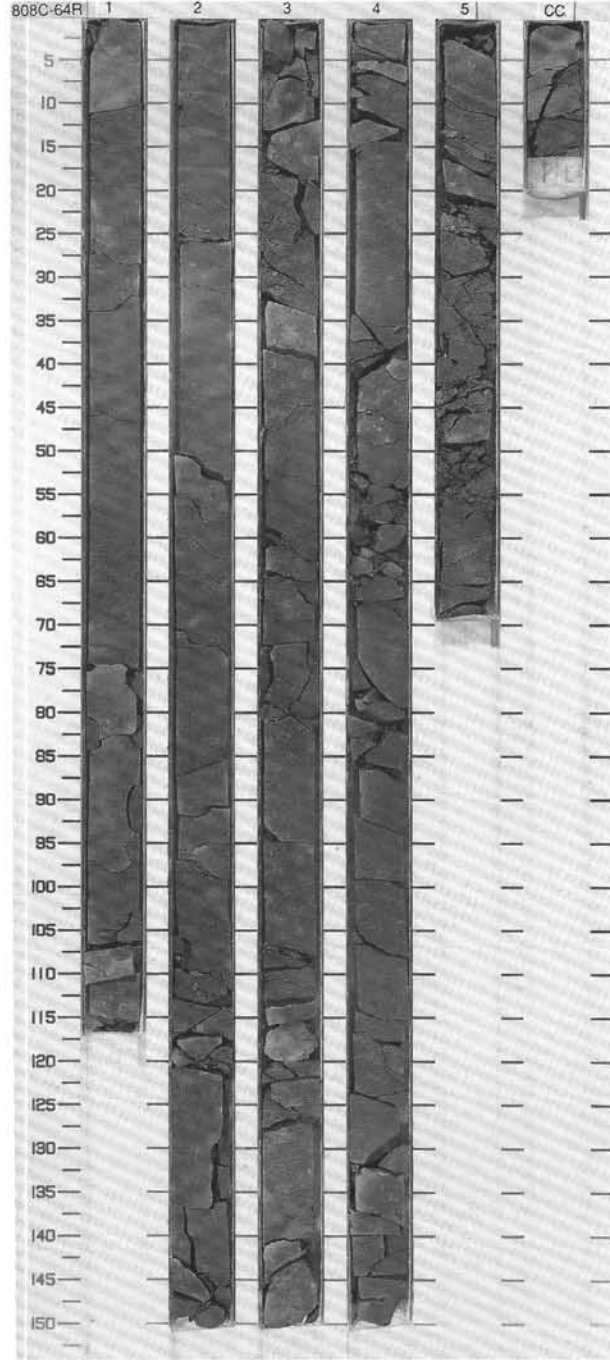
Calcite	-	-	5
Chlorite	2	-	-
Clay	5	5	3
Feldspar	3	2	2
Glass	3	3	-
Mica	2	-	2
Oxide	2	-	2
Quartz	3	-	-
Sulfide	1	3	-

SITE 808 HOLE C CORE 63R CORED INTERVAL 5570.4-5580.1 mbsf; 895.8-905.5 mbsf

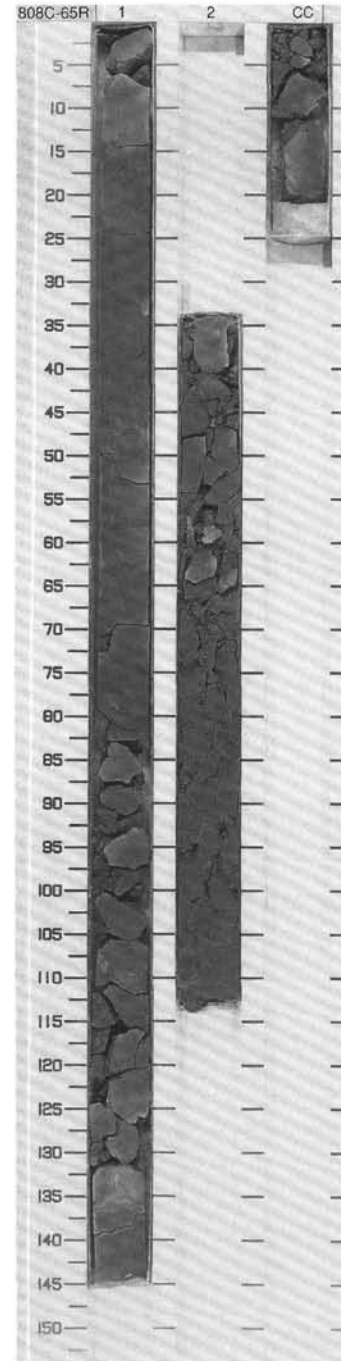


SITE 808 HOLE C CORE 64R CORED INTERVAL 5580.1-5589.7 mbsf; 905.5-915.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION	
	FORAMINIFERS	NANOFOSSILS	RADIOLARIANS	DIATOMS										
LOWER PLOIOCENE	NN13				R		0.5						<p>SILTY CLAYSTONE</p> <p>Major lithology: Bioturbated SILTY CLAYSTONE, somewhat varicolored and mottled, but dominantly dark gray (2.5Y 4/0). There are numerous horizontal burrows and variable amounts of disseminated forams, traces of pyrite. The degree of disturbance varies considerably.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p>IW 4.100 D</p> <p>TEXTURE:</p> <p>Silt 4 Clay 5</p> <p>COMPOSITION:</p> <p>Calcite 2 Chlo⁺Rite 2 Clay 3 Feldspar 2 Glass 3 Mica 2 Oxide 2 Quartz 3</p>	
	C/M				R		1.0							
	B					R		2.0						
						R		3.0						
						R		4.0						
					N		5.0							
							CC							



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MAMMOFOSSILS	RADIOLARIANS	DIAZONS									
LOWER PLOCIENE													
	C/M	NN12 - NN13			R	0-3.3 0-3.5 0-2.4 0-2.1 0-1.6 0-1.7 0-1.4 0-0.4 0-0.3	1						SILTY CLAYSTONE * Major lithology: Bioturbated SILTY CLAYSTONE, with variable degrees of disturbance; some intervals are highly fractured and surrounded by drilling slurry. Core appears mottled and burrowed where less deformed, and the dominant color is dark gray (2.5Y 4/0). There are trace amounts of disseminated forams. SMEAR SLIDE SUMMARY (%): Silt 1.50 Clay D TEXTURE: Silt 4 Clay 5 COMPOSITION: Calcite 2 Chlorite 2 Clay 3 Feldspar 2 Glass 3 Mica 2 Oxide 2 Quartz 2 Rock fragment 1
					R		2						
							CC						



SITE 808 HOLE C CORE 66R CORED INTERVAL 5599.4-5609.1 mbsf; 924.8-934.5 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	DIAZONIS																																					
LOWER PLIOCENE	NNT 2				N	N	N	1	0.5					<p>SILTY CLAYSTONE</p> <p>Major lithology: Bioturbated and mottled SILTY CLAYSTONE. The dominant color is dark gray (2.5Y 4/0). The degree of disturbance is variable and mixed with features caused by tectonic deformation. Some intervals display polished and slickensided fracture surfaces that are subhorizontal in orientation. Other intervals contain drill breccia engulfed in drilling slurry. Minor sedimentary features include traces of pyrite, disseminated forams, horizontal burrows.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p>3.30 D</p> <p>TEXTURE:</p> <p>Silt 4 Clay 5</p> <p>COMPOSITION:</p> <table border="0"> <tr><td>IW</td><td>Chlorite</td><td>2</td></tr> <tr><td></td><td>Clay</td><td>5</td></tr> <tr><td></td><td>Epidote</td><td>2</td></tr> <tr><td>*</td><td>Feldspar</td><td>2</td></tr> <tr><td></td><td>Glass</td><td>2</td></tr> <tr><td></td><td>Mica</td><td>2</td></tr> <tr><td></td><td>Nannofossils</td><td>2</td></tr> <tr><td></td><td>Oxide</td><td>1</td></tr> <tr><td></td><td>Quartz</td><td>3</td></tr> </table>	IW	Chlorite	2		Clay	5		Epidote	2	*	Feldspar	2		Glass	2		Mica	2		Nannofossils	2		Oxide	1		Quartz	3
IW	Chlorite	2																																							
	Clay	5																																							
	Epidote	2																																							
*	Feldspar	2																																							
	Glass	2																																							
	Mica	2																																							
	Nannofossils	2																																							
	Oxide	1																																							
	Quartz	3																																							
R/P					N	N	2	1.0																																	
B					N	N	3																																		
					R	R	4																																		
					N	N	CC																																		

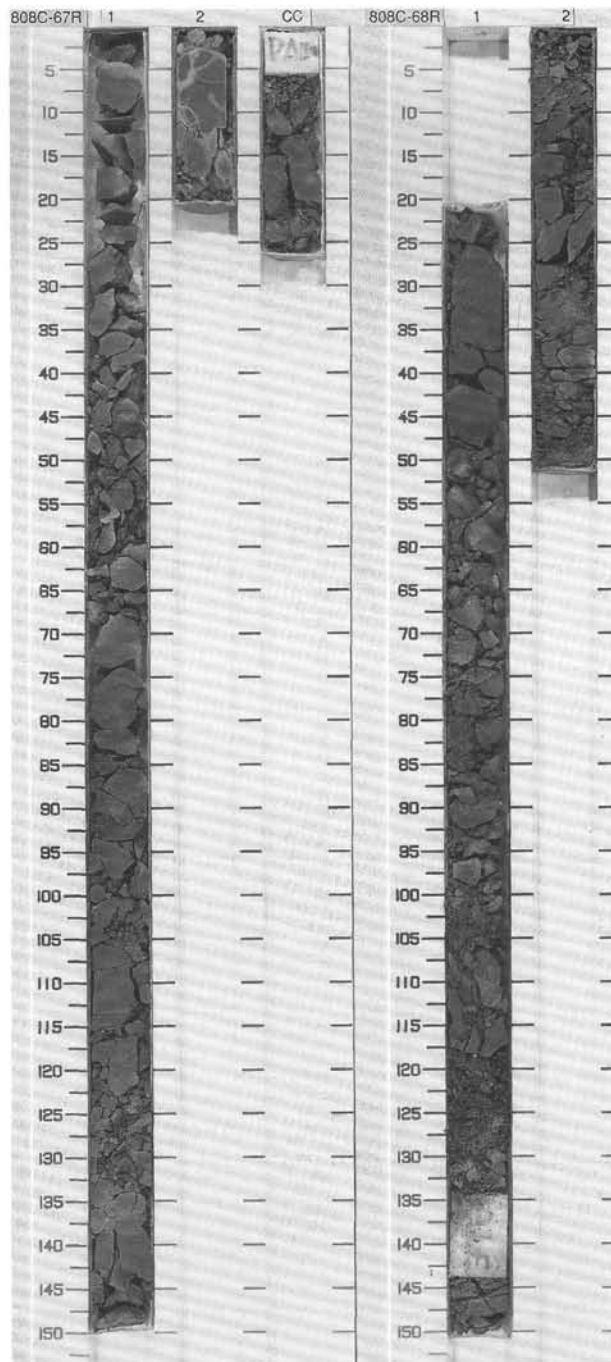


SITE 808 HOLE C CORE 67R CORED INTERVAL 5609.1-5618.8 mbsf; 934.5-944.2 mbsf

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										
LOWER PLIOCENE		NN1 2			R	XIC=0.45 XTOC=0.32		1	0.5		X	X	X	SILTY CLAYSTONE
	C/M		B			XIC=0.14		2	1.0		X	X	X	Major lithology: Bioturbated SILTY CLAYSTONE deformed into a breccia. The dominant color is dark gray (2.5Y 4/0). Fragments in Section 2 and the core catcher are surrounded by drilling slurry. Large fragments display the typical effects of bioturbation, such as mottled color and small burrows. There are also traces of pyrite and disseminated forams.
						XIC=0.14		CC			X	X	X	SMEAR SLIDE SUMMARY (%):
														1, 70
														D
														TEXTURE:
														Silt 4
														Clay 5
														COMPOSITION:
														Calcite 2
														Chlorite 1
														Clay 5
														Feldspar 2
														Glass 2
														Mica 2
														Oxide 2
														Quartz 3
														Rock fragment 1

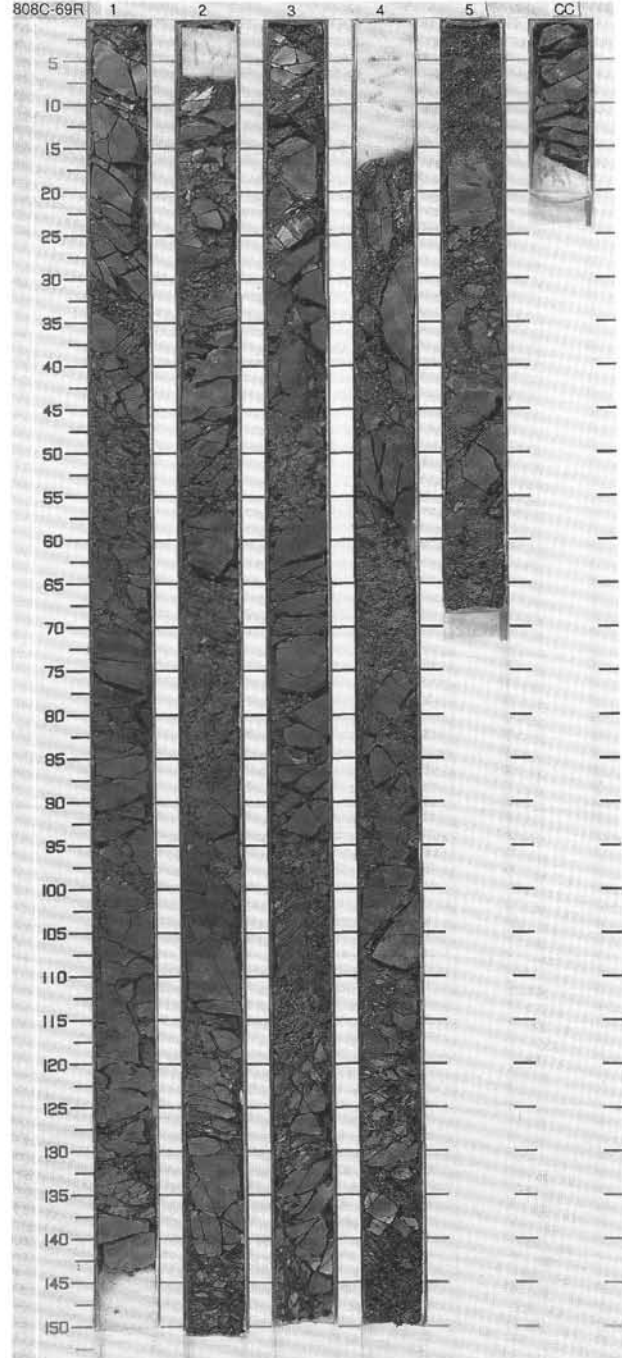
SITE 808 HOLE C CORE 68R CORED INTERVAL 5618.8-5628.4 mbsf; 944.2-953.8 mbsf

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										
UPPER MIOCENE - LOWER PLIOCENE		NN1 2			R2	XIC=0.53 XTOC=0.32		1	0.5				1W	CLAYEY SILTSTONE/SILTY CLAYSTONE
	C/M		B			XIC=0.18		2	1.0				2ALE	Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Siliceous, flattened, worm tubes occur throughout core. Intensely brecciated and fractured throughout core.
														SMEAR SLIDE SUMMARY (%):
														2, 15
														D
														TEXTURE:
														Silt 4
														Clay 5
														COMPOSITION:
														Chlorite 2
														Clay 5
														Epidote 2
														Feldspar 2
														Mica 2
														Nannofossils 2
														Oxide 2
														Quartz 3
														Rock fragment 2



SITE 808 HOLE C CORE 69R CORED INTERVAL 5628.4-5638.0 mbsl; 953.8-963.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SEC. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																	
	FORAMINIFERA	NANNOFOSSILS	RADIOLARIANS	DIAZONAS																																										
UPPER MIOCENE	B	(NN11 - NN12)						0.5					<p>CLAYEY SILTSTONE/SILTY CLAYSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Siliceous, flattened, worm tubes occur throughout core. Intensely brecciated and fractured throughout core.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2.61</td> <td>5.10</td> </tr> <tr> <td>IW</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>4</td> <td>4</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Calcite</td> <td>2</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>2</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>2</td> </tr> <tr> <td>Nannofossils</td> <td>2</td> <td>3</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>3</td> </tr> </table>		2.61	5.10	IW	D	D	Silt	4	4	Clay	5	5	Calcite	2	2	Clay	5	5	Feldspar	2	2	Mica	2	2	Nannofossils	2	3	Oxide	2	2	Quartz	3	3
		2.61	5.10																																											
	IW	D	D																																											
	Silt	4	4																																											
	Clay	5	5																																											
Calcite	2	2																																												
Clay	5	5																																												
Feldspar	2	2																																												
Mica	2	2																																												
Nannofossils	2	3																																												
Oxide	2	2																																												
Quartz	3	3																																												
							1.0																																							
							2.0																																							
							3.0																																							
							4.0																																							
							5.0																																							

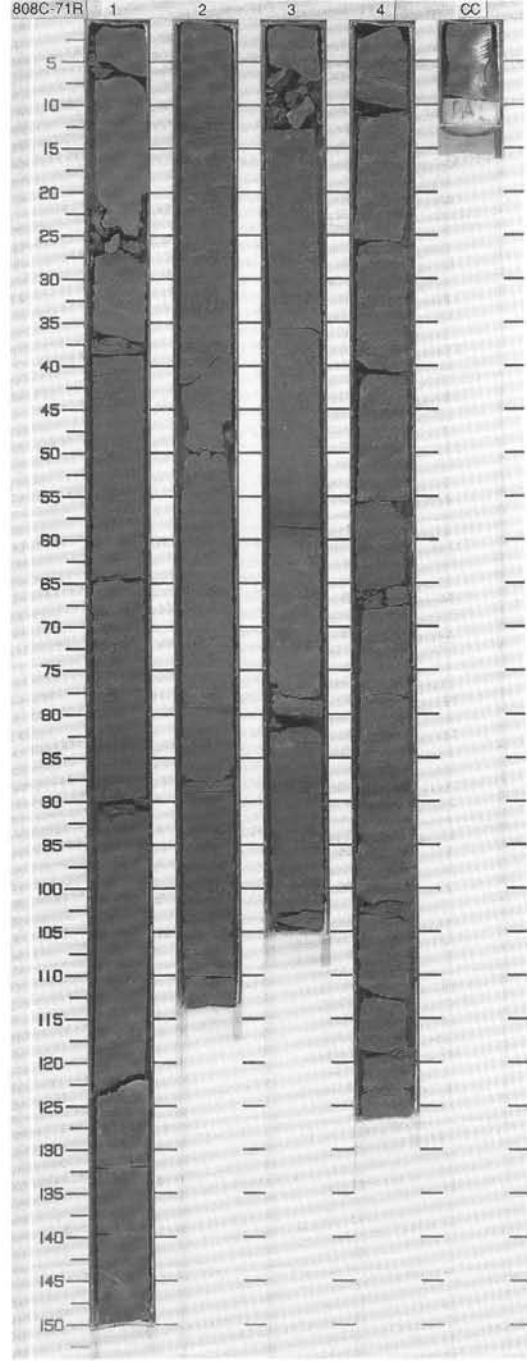


SITE 808 HOLE C CORE 71R CORED INTERVAL 5647.7-5657.4 mbsl; 973.1-982.8 mbsf

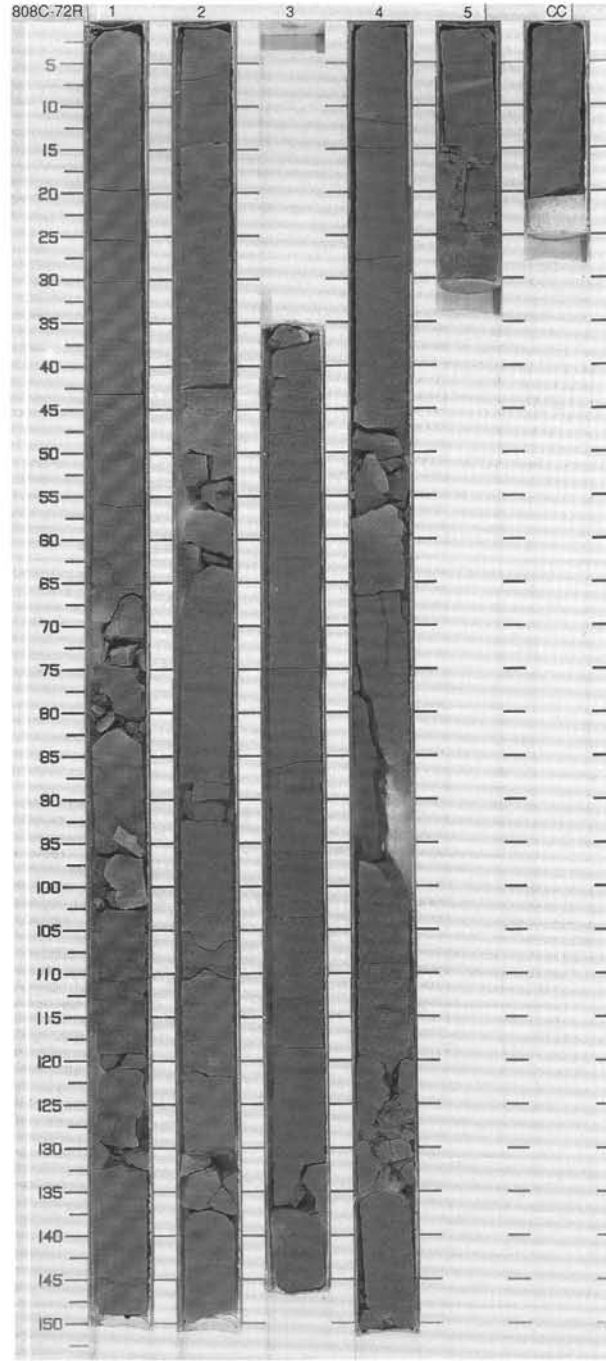
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS													
	NANNOFOSSILS													
	RADIOLARIANS													
UPPER MIOCENE	NN11													
A/M														
B														
					R	R	R	R						
					37 -2.15	36 -2.16	37 -2.15	38 -2.16						
					40 -2.15	38 -2.16	37 -2.15	36 -2.16						
					%IC=0.85	%IC=0.35	%IC=0.35	%IC=0.35						
					3 -2.15	38 -2.16	37 -2.15	36 -2.16						
					4 -2.15	38 -2.16	37 -2.15	36 -2.16						
					3 -2.15	38 -2.16	37 -2.15	36 -2.16						
					4 -2.15	38 -2.16	37 -2.15	36 -2.16						
					3 -2.15	38 -2.16	37 -2.15	36 -2.16						
					4 -2.15	38 -2.16	37 -2.15	36 -2.16						
					3 -2.15	38 -2.16	37 -2.15	36 -2.16						
					4 -2.15	38 -2.16	37 -2.15	36 -2.16						
					3 -2.15	38 -2.16	37 -2.15	36 -2.16						
					4 -2.15	38 -2.16	37 -2.15	36 -2.16						
					3 -2.15	38 -2.16	37 -2.15	36 -2.16						
					4 -2.15	38 -2.16	37 -2.15	36 -2.16						

TEXTURE:	Sand	Silt	Clay
	4	5	1

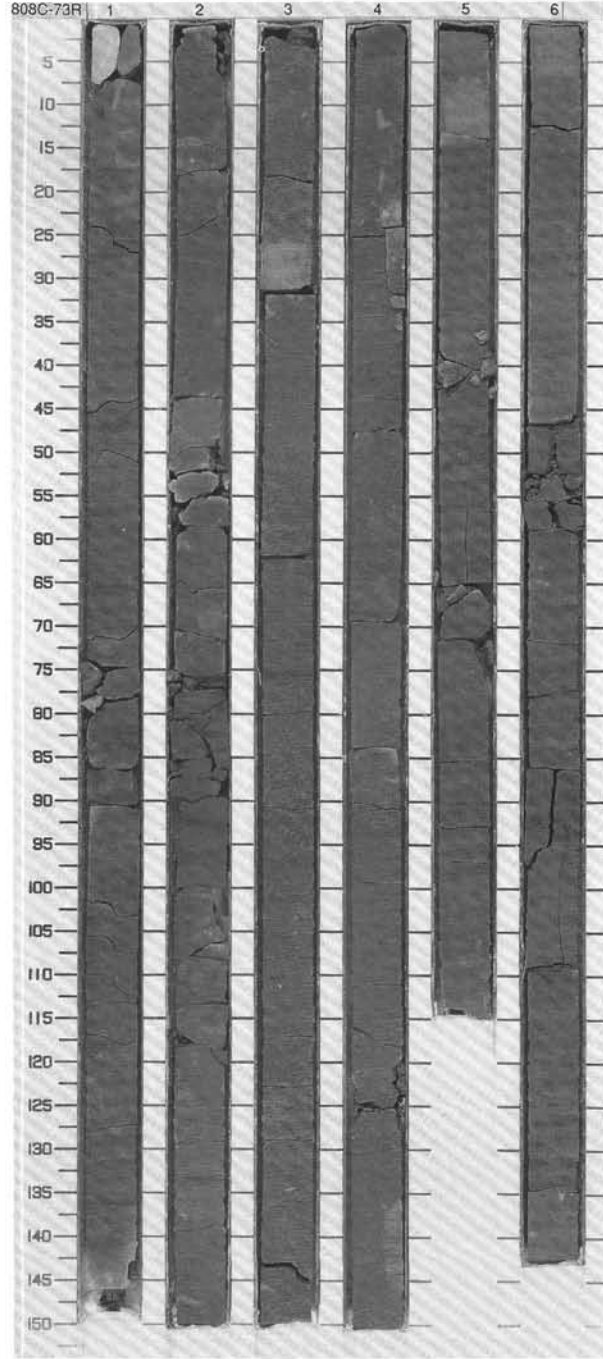
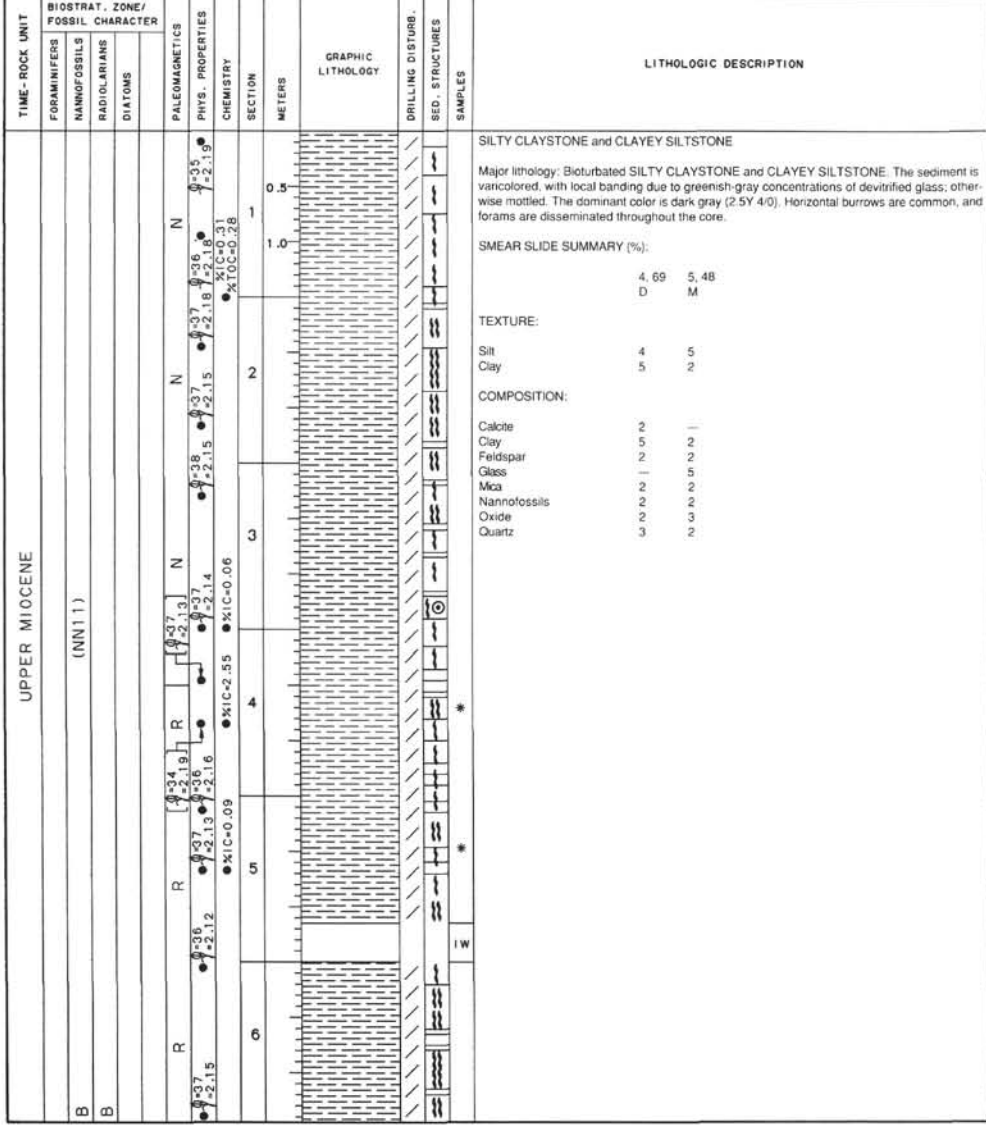
COMPOSITION:	Calcite	Chlorite	Clay	* Feldspar	Glass	Mica	* Nannofossils	Oxide	Quartz	Rock fragment	Sulfide
	2	2	3	3		2	4	2	3	1	
	2	2	3	3		2	4	2	3	1	



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	NN1.1			R	0-37 2-16	0-38 2-16	1	0.5 1.0					<p>CLAYEY SILTSTONE/SILTY CLAYSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Siliceous, flattened, worm tubes occur throughout core. Disseminated pyrite common. Section 1, 0-6 cm, comprises a carbonate-rich interval of SILTY CLAYSTONE.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1.5</td> <td>1.50</td> <td>4.40</td> </tr> <tr> <td>M</td> <td></td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Chlorite</td> <td>-</td> <td>-</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Glass</td> <td>-</td> <td>0</td> <td>5</td> </tr> <tr> <td>Mica</td> <td>1</td> <td>-</td> <td>1</td> </tr> <tr> <td>Nannofossils</td> <td>4</td> <td>2</td> <td>2</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>1</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>2</td> <td>3</td> </tr> <tr> <td>Rock fragment</td> <td>-</td> <td>2</td> <td>1</td> </tr> </table>		1.5	1.50	4.40	M		D	D	Silt	5	5	5	Clay	4	4	4	Chlorite	-	-	2	Clay	3	3	3	Feldspar	2	2	2	Glass	-	0	5	Mica	1	-	1	Nannofossils	4	2	2	Oxide	2	1	2	Quartz	3	2	3	Rock fragment	-	2	1
	1.5	1.50	4.40																																																														
M		D	D																																																														
Silt	5	5	5																																																														
Clay	4	4	4																																																														
Chlorite	-	-	2																																																														
Clay	3	3	3																																																														
Feldspar	2	2	2																																																														
Glass	-	0	5																																																														
Mica	1	-	1																																																														
Nannofossils	4	2	2																																																														
Oxide	2	1	2																																																														
Quartz	3	2	3																																																														
Rock fragment	-	2	1																																																														
A/G				R?	0-37 2-16	0-36 2-20	2																																																										
B				R?	0-36 2-17	0-36 2-20	3																																																										
				R	0-37 2-16	0-36 2-17	4																																																										



SITE 808 HOLE C CORE 73R CORED INTERVAL 5666.7-5676.4 mbsl; 992.1-1001.8 mbsf

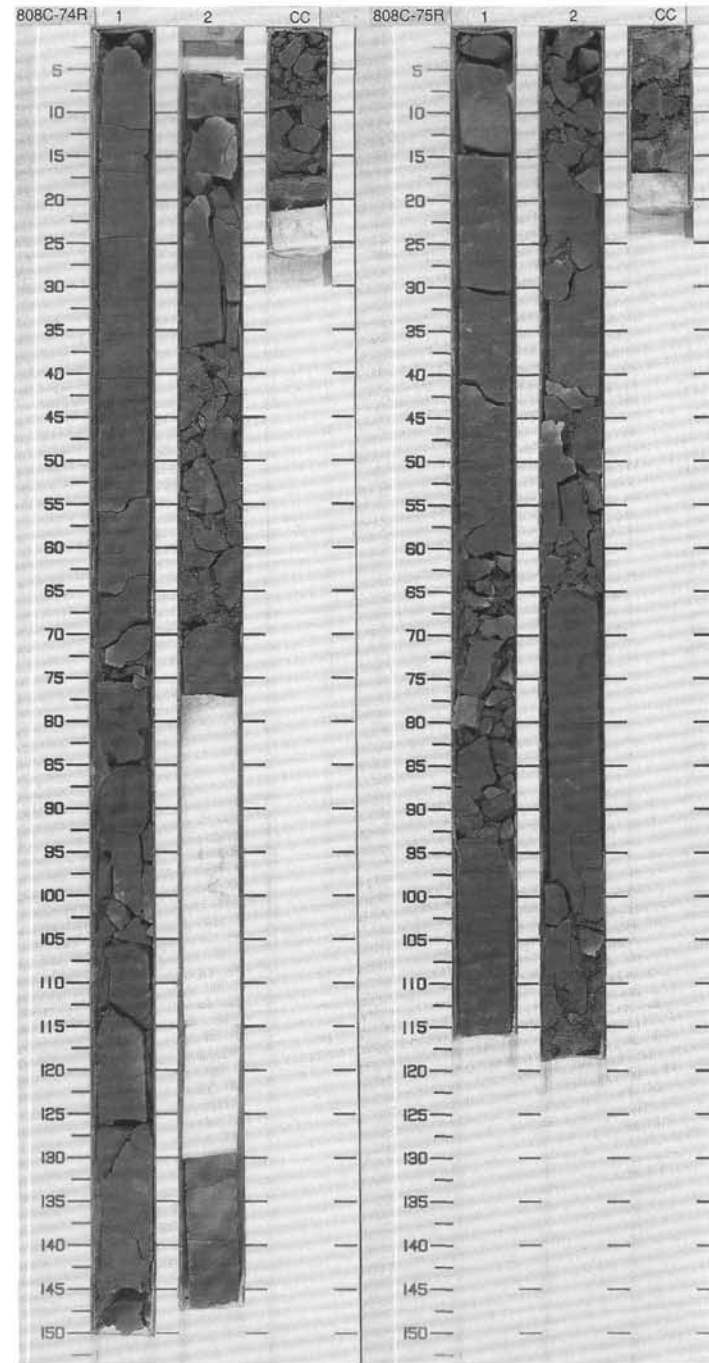


SITE 808 HOLE C CORE 74R CORED INTERVAL 5676.4-5685.9 mbsf; 1001.8-1011.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																							
	FORAMINIFERS	MAMMOFOSSILS	RADIOLARIANS											DIATOMS																																						
UPPER MIOCENE	R/M		NN11		0-36 2-17	%IC=0.25 %TOC=0.21	1	0.5 1.0					<p>SILTY CLAYSTONE and CLAYEY SILTSTONE</p> <p>Major lithology: Bioturbated SILTY CLAYSTONE and CLAYEY SILTSTONE. Sediment is varicolored with local dark and very thin bands of devitrified volcanic glass; the dominant color is dark gray (2.5Y 4/0). Horizontal burrows are common; rare vertical burrows. There are also traces of disseminated forams.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 54</td> <td>1, 75</td> </tr> <tr> <td>D</td> <td></td> <td>M</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>1</td> <td>—</td> </tr> <tr> <td>Silt</td> <td>4</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Clay</td> <td>5</td> <td>3</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>2</td> </tr> <tr> <td>Glass</td> <td>2</td> <td>4</td> </tr> <tr> <td>Mca</td> <td>2</td> <td>1</td> </tr> <tr> <td>Nannofossils</td> <td>2</td> <td>—</td> </tr> <tr> <td>Oxide</td> <td>3</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>5</td> </tr> <tr> <td>Rock fragment</td> <td>2</td> <td>1</td> </tr> </table>		1, 54	1, 75	D		M	Sand	1	—	Silt	4	5	Clay	5	4	Clay	5	3	Feldspar	3	2	Glass	2	4	Mca	2	1	Nannofossils	2	—	Oxide	3	2	Quartz	2	5	Rock fragment	2	1
		1, 54	1, 75																																																	
D		M																																																		
Sand	1	—																																																		
Silt	4	5																																																		
Clay	5	4																																																		
Clay	5	3																																																		
Feldspar	3	2																																																		
Glass	2	4																																																		
Mca	2	1																																																		
Nannofossils	2	—																																																		
Oxide	3	2																																																		
Quartz	2	5																																																		
Rock fragment	2	1																																																		
	B				0-36 2-17	%IC=0.09	2																																													

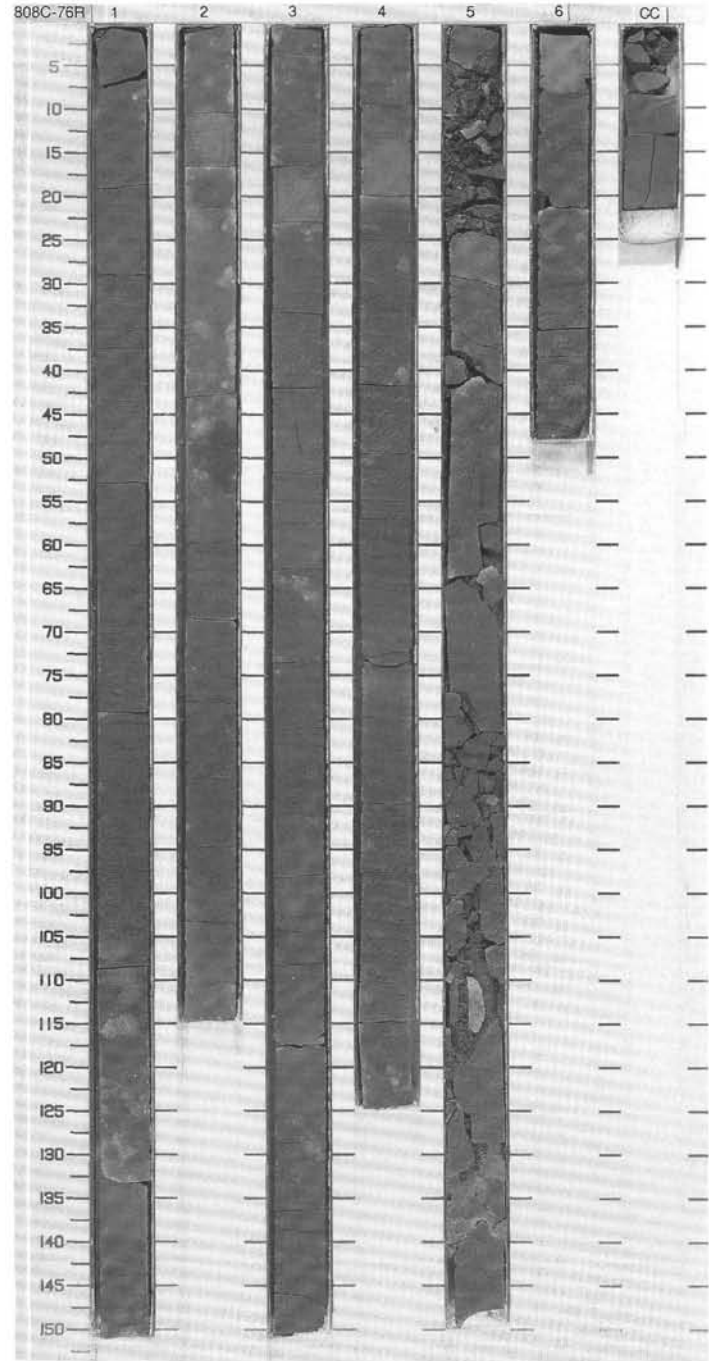
SITE 808 HOLE C CORE 75R CORED INTERVAL 5685.9-5695.1 mbsf; 1011.3-1020.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																														
	FORAMINIFERS	MAMMOFOSSILS	RADIOLARIANS											DIATOMS																													
UPPER MIOCENE			(NN11)		0-36 2-17	%IC=0.32 %TOC=0.22	1	0.5 1.0					<p>SILTY CLAYSTONE with TUFF</p> <p>Major lithology: Bioturbated SILTY CLAYSTONE, with abundant horizontal burrows and rare vertical burrows; some of the burrows appear to be flattened. Most of the sediment is varicolored and mottled, with local color laminae; the dominant color is dark gray (2.5Y 4/0). The sediment also contains sparse forams. Drilling deformation varies considerably; some intervals contain breccia and drilling slurry, whereas others are only slightly fractured.</p> <p>Minor lithology: Devitrified TUFF; darker color than dominant lithology. Occurs only in Section 1, 64-69 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 40</td> <td>1, 68</td> </tr> <tr> <td>D</td> <td></td> <td>M</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>4</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>3</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Clay</td> <td>5</td> <td>3</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>3</td> </tr> <tr> <td>Glass</td> <td>3</td> <td>5</td> </tr> <tr> <td>Mca</td> <td>—</td> <td>2</td> </tr> <tr> <td>Oxide</td> <td>—</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>3</td> </tr> </table>		1, 40	1, 68	D		M	Silt	4	5	Clay	5	3	Clay	5	3	Feldspar	2	3	Glass	3	5	Mca	—	2	Oxide	—	2	Quartz	3	3
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Oxide	—	2																																									
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	B				0-36 2-17	%IC=0.05	2																																				

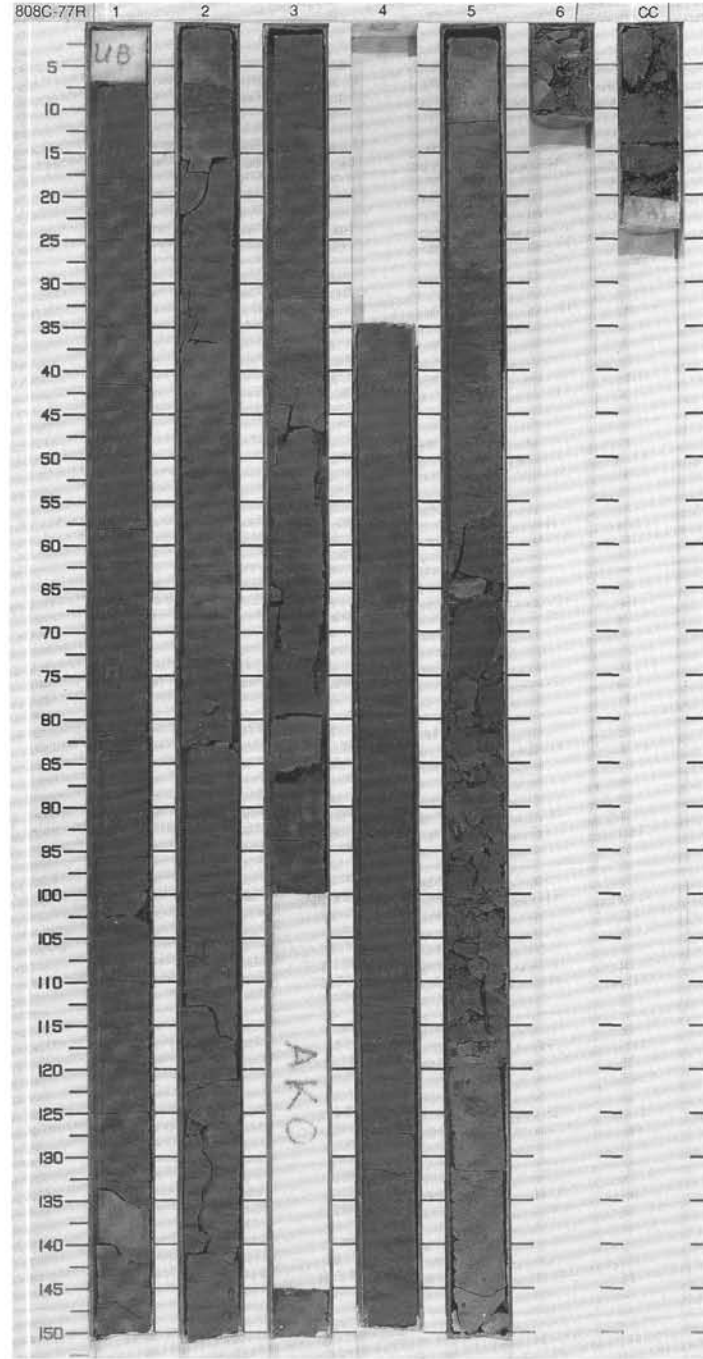


SITE 808 HOLE C CORE 76R CORED INTERVAL 5695.1-5704.5 mbsf; 1020.5-1029.9 mbsf

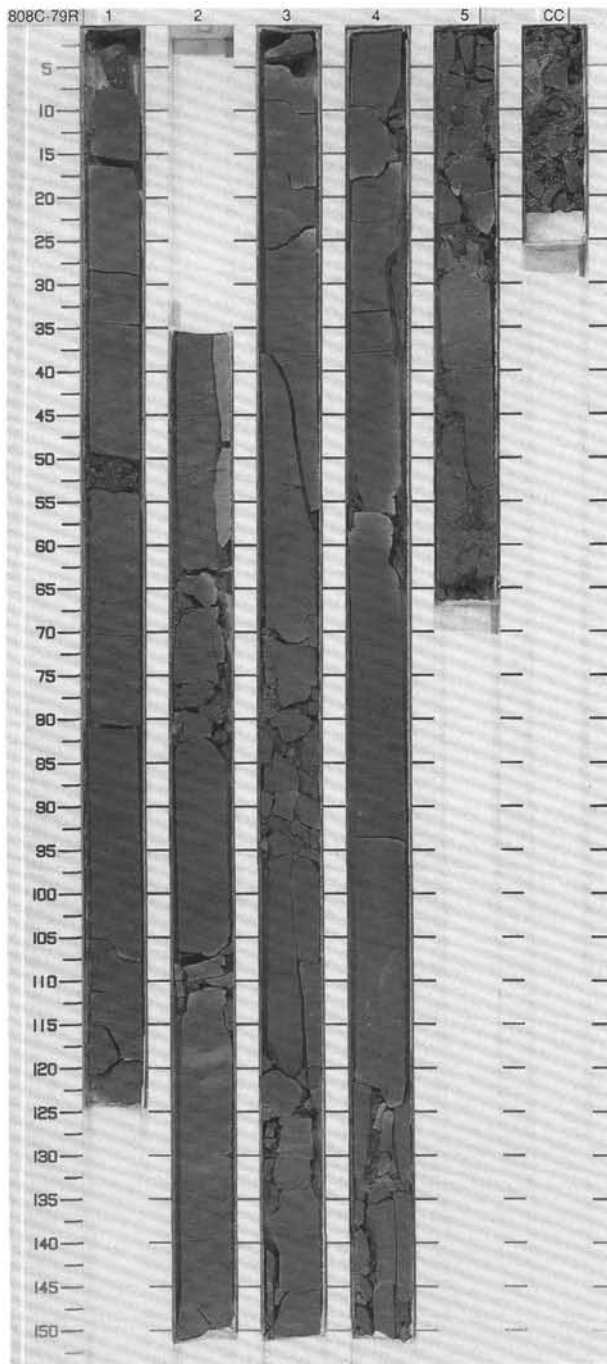
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																											
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAATOMS																																																					
UPPER MIOCENE														<p>SILTY CLAYSTONE with CALCAREOUS CLAYSTONE</p> <p>Major lithology: Bioturbated SILTY CLAYSTONE with abundant horizontal burrows and rare vertical burrows; mottled and slightly varicolored. The dominant color is dark gray (2.5Y 4/0). There are also traces of disseminated forams. The degree of disturbance varies from mildly fractured to drill breccia and drilling slurry. Section 5, 0-24 cm, displays polished fracture surfaces.</p> <p>Minor lithology: CALCAREOUS CLAYSTONE, composed largely of recrystallized nanno-fossils; the color is a lighter shade of gray (2.5Y 5/0) compared to dominant lithology. This fine-grained sediment occurs in Section 4, 10-14 cm. Both upper and lower boundaries are gradational, and bioturbation is moderate.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>3</td> <td>117</td> <td>4</td> <td>13</td> </tr> <tr> <td>D</td> <td></td> <td></td> <td>M</td> <td></td> </tr> </table> <p>TEXTURE</p> <table border="1"> <tr> <td>Silt</td> <td>4</td> <td>3</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Calcite</td> <td>1</td> <td>—</td> </tr> <tr> <td>Chlorite</td> <td>—</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>3</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>1</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>1</td> </tr> <tr> <td>Micrite</td> <td>—</td> <td>5</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>2</td> </tr> <tr> <td>Rock fragment</td> <td>2</td> <td>1</td> </tr> </table>		3	117	4	13	D			M		Silt	4	3	Clay	5	5	Calcite	1	—	Chlorite	—	2	Clay	5	3	Feldspar	3	1	Mica	2	1	Micrite	—	5	Oxide	2	2	Quartz	3	2	Rock fragment	2	1
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Quartz	3	2																																																							
Rock fragment	2	1																																																							



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION																																																													
	FORAMINIFERS	NANNOFOSSILS						PALEOMAGNETICS	CHEMISTRY																																																											
UPPER MIOCENE																																																																				
	C/M	NN11	N	0.5		UB	SILTY CLAYSTONE with TUFF and CALCAREOUS CLAYSTONE																																																													
	B		R	1.0		*	Major lithology: Bioturbated SILTY CLAYSTONE with local color banding due to laminae of altered volcanic ash. Mostly mottled with abundant burrows. The dominant color is dark gray (2.5Y 4/0). There are traces of disseminated forams. Minor lithology: Devitrified TUFF, occurring as a well-defined bed in Section 1, 98-103 cm, and as laminae less than 1 cm thick throughout the core. Greenish-gray in color. Minor lithology: CALCAREOUS CLAYSTONE; composed largely of clay and very fine-grained carbonate. No biogenic fragments are evident in smear slide, but recrystallization of nanno fossils is likely. The color is a lighter shade of gray (5Y 5/0) than surrounding dominant lithology, with gradational top and base. This sediment occurs as a discrete layer in Section 2, 64-67 cm, and as more diffuse mixtures with the dominant lithology.																																																													
			N	2.0		*	SMEAR SLIDE SUMMARY (%)																																																													
			N	3.0			<table border="1"> <tr> <td></td> <td>1</td> <td>103</td> <td>2</td> <td>67</td> <td>3</td> <td>95</td> </tr> <tr> <td></td> <td>M</td> <td></td> <td>M</td> <td></td> <td>D</td> <td></td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>5</td> <td>2</td> <td>3</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>5</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Calcite</td> <td>—</td> <td>1</td> <td>—</td> </tr> <tr> <td>Chlorite</td> <td>2</td> <td>—</td> <td>1</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>4</td> <td>4</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>2</td> <td>3</td> </tr> <tr> <td>Glass</td> <td>3</td> <td>—</td> <td>—</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>1</td> <td>1</td> </tr> <tr> <td>Micrite</td> <td>—</td> <td>5</td> <td>3</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>1</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>Rock fragment</td> <td>2</td> <td>—</td> <td>—</td> </tr> </table>		1	103	2	67	3	95		M		M		D		Silt	5	2	3	Clay	4	5	5	Calcite	—	1	—	Chlorite	2	—	1	Clay	2	4	4	Feldspar	3	2	3	Glass	3	—	—	Mica	2	1	1	Micrite	—	5	3	Oxide	2	1	2	Quartz	3	3	3	Rock fragment	2	—
	1	103	2	67	3	95																																																														
	M		M		D																																																															
Silt	5	2	3																																																																	
Clay	4	5	5																																																																	
Calcite	—	1	—																																																																	
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Feldspar	3	2	3																																																																	
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Mica	2	1	1																																																																	
Micrite	—	5	3																																																																	
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Rock fragment	2	—	—																																																																	
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TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
MIDDLE - UPPER MIOCENE	NN8 - NN10								1	0.5 - 1.0	[Patterned Lithology]				CLAYEY SILTSTONE/SILTY CLAYSTONE and CLAYSTONE * Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Siliceous, flattened, worm tubes occur throughout core. Disseminated pyrite common. Minor lithology: Yellowish (2.5Y 7/2) bioturbated carbonate CLAYSTONE in Section 2, 118-120 cm. and Section 3, 128-129 cm. OG SMEAR SLIDE SUMMARY (%): IW 1.35 2.119 D M TEXTURE: Silt 4 3 Clay 5 5 * COMPOSITION: Calcite 1 - Chlorite - 1 Clay 5 3 Feldspar 3 2 Mica 2 1 Micrite - 5 Oxide 2 2 Quartz 3 2 Rock fragment 2 1
									2	1.0 - 2.0	[Patterned Lithology]				
									3	2.0 - 3.0	[Patterned Lithology]				
									4	3.0 - 4.0	[Patterned Lithology]				
									5	4.0 - 5.0	[Patterned Lithology]				

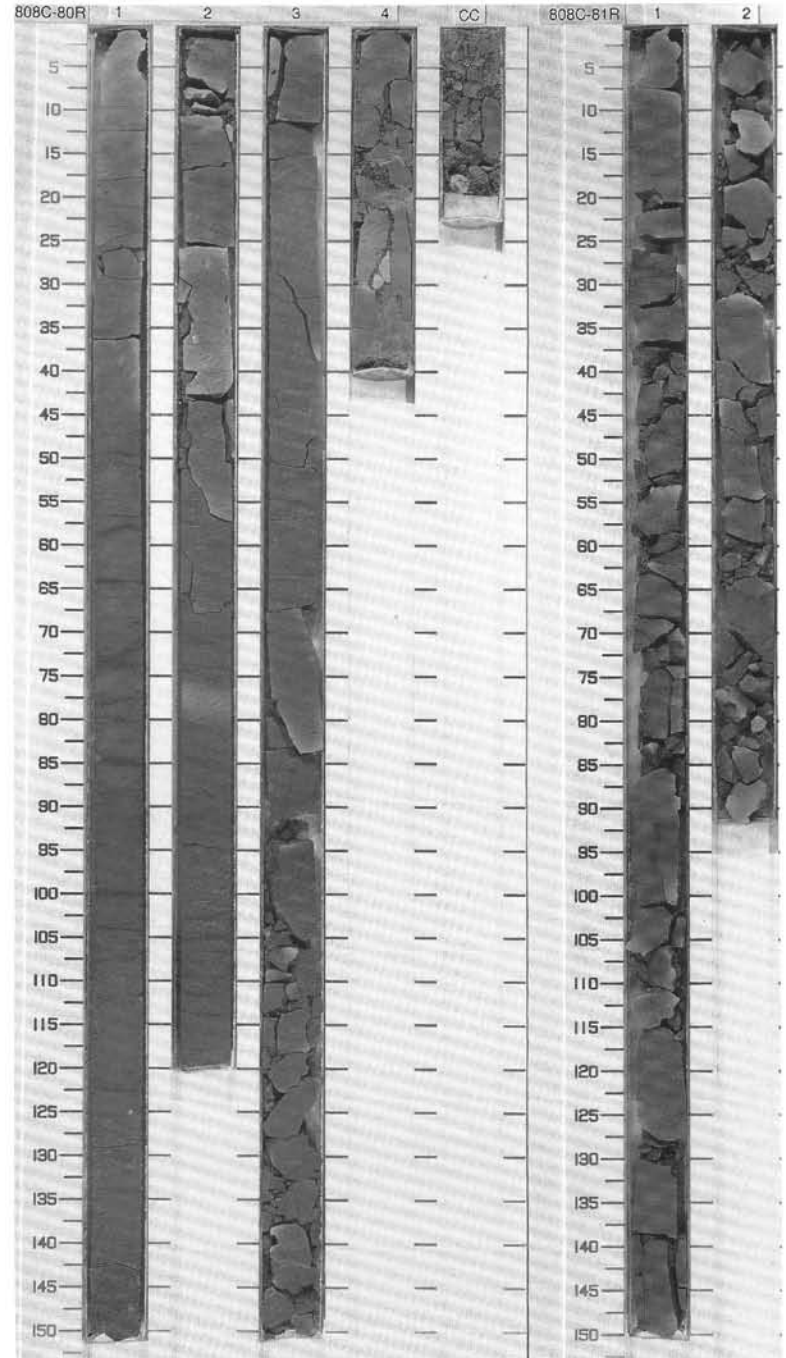


SITE 808 HOLE C CORE 80R CORED INTERVAL 5732.4-5741.7 mbsf; 1057.8-1067.1 mbsf

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																																																														
MIDDLE-UPPER MIOCENE	R/M	NNB - NN10			N 0-3.4 -2.2.1	0-3.5 -2.2.1	%C -2.0 -2.26	1	0.5 1.0					CLAYEY SILTSTONE/SILTY CLAYSTONE and CLAYSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Motting due to bioturbation. Siliceous, flattened, worm tubes occur throughout core. Yellowish crystalline calcite in CC, 18-19 cm, up to 2 cm dimension. Minor lithology: Bioturbated yellowish (2.5Y 7/2) carbonate CLAYSTONE in Section 1, 75-78 cm, Section 2, 76-79.5 cm, and Section 4, 26-28 cm. Bioturbation predates diagenetic carbonate formation. SMEAR SLIDE SUMMARY (%): TEXTURE: <table border="1"> <tr> <td></td> <td>1, 50</td> <td>1, 76</td> <td>2, 79</td> </tr> <tr> <td>D</td> <td></td> <td>M</td> <td>M</td> </tr> </table> Silt Clay <table border="1"> <tr> <td></td> <td>5</td> <td>3</td> <td>3</td> </tr> <tr> <td></td> <td>4</td> <td>5</td> <td>5</td> </tr> </table> COMPOSITION: <table border="1"> <tr> <td>Calcite</td> <td>2</td> <td>-</td> <td>-</td> </tr> <tr> <td>Chlorite</td> <td>-</td> <td>1</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>3</td> <td>3</td> </tr> <tr> <td>Epidote</td> <td>-</td> <td>1</td> <td>-</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>1</td> <td>1</td> </tr> <tr> <td>Micrite</td> <td>-</td> <td>5</td> <td>5</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>1</td> <td>1</td> </tr> <tr> <td>Quartz</td> <td>4</td> <td>2</td> <td>2</td> </tr> </table>		1, 50	1, 76	2, 79	D		M	M		5	3	3		4	5	5	Calcite	2	-	-	Chlorite	-	1	2	Clay	4	3	3	Epidote	-	1	-	Feldspar	3	2	2	Mica	2	1	1	Micrite	-	5	5	Oxide	2	1	1	Quartz	4	2	2
	1, 50	1, 76	2, 79																																																															
D		M	M																																																															
	5	3	3																																																															
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Calcite	2	-	-																																																															
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					N 0-3.4 -2.2.1	0-3.5 -2.2.1	%C -2.0 -2.26	2																																																										
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					N 0-3.4 -2.2.1	0-3.5 -2.2.1	%C -2.0 -2.26	CC																																																										

SITE 808 HOLE C CORE 81R CORED INTERVAL 5741.7-5751.1 mbsf; 1067.1-1076.5 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																																		
MIDDLE-UPPER MIOCENE	R/P	NNB - NN10			N 0-3.4 -2.2.1	0-3.5 -2.2.1	%C -2.0 -2.26	1	0.5 1.0					CLAYEY SILTSTONE/SILTY CLAYSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Motting due to bioturbation. Fracturing throughout Section 2, with partially disaggregated, brecciated, blocks and interstitial clay-rich material. SMEAR SLIDE SUMMARY (%): TEXTURE: <table border="1"> <tr> <td></td> <td>1, 50</td> </tr> <tr> <td>D</td> <td></td> </tr> </table> Silt Clay <table border="1"> <tr> <td></td> <td>4</td> </tr> <tr> <td></td> <td>5</td> </tr> </table> COMPOSITION: <table border="1"> <tr> <td>Chlorite</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>5</td> </tr> <tr> <td>Epidote</td> <td>1</td> </tr> <tr> <td>Feldspar</td> <td>2</td> </tr> <tr> <td>Mica</td> <td>2</td> </tr> <tr> <td>Nannofossils</td> <td>2</td> </tr> <tr> <td>Oxide</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>3</td> </tr> </table>		1, 50	D			4		5	Chlorite	2	Clay	5	Epidote	1	Feldspar	2	Mica	2	Nannofossils	2	Oxide	2	Quartz	3
	1, 50																																					
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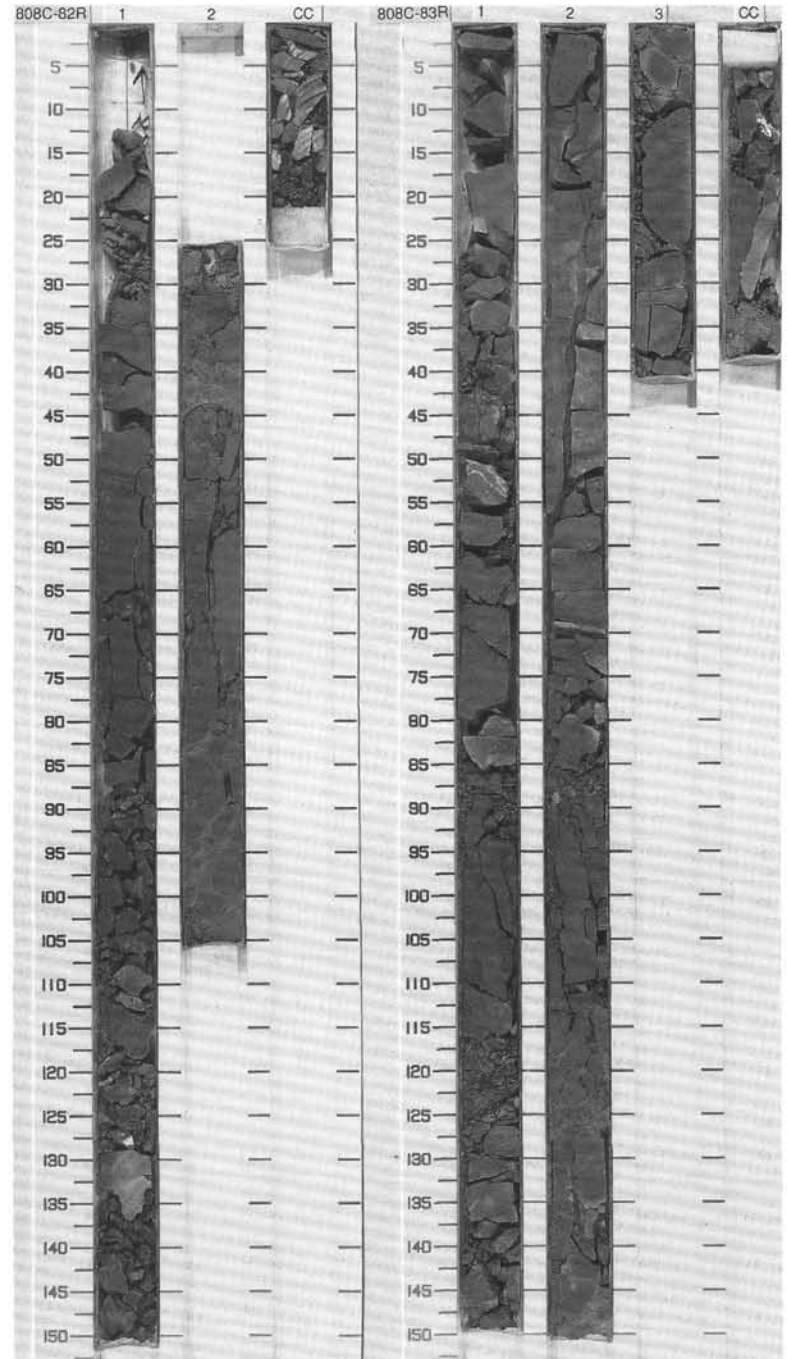


SITE 808 HOLE C CORE 82R CORED INTERVAL 5751.1-5760.4 mbsf; 1076.5-1085.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSELS	RADIOLARIANS										
MIDDLE - UPPER MIOCENE	R/P	NN8 - NN10											<p>CLAYEY SILTSTONE/SILT CLAYSTONE</p> <p>Major lithology: Mottled CLAYEY SILTSTONE/SILT CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Fracturing throughout Section 2, with partially disaggregated, brecciated, blocks and interstitial clay-rich material.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: right;">1, 50 D</p> <p>TEXTURE:</p> <p>Silt 4 Clay 5</p> <p>COMPOSITION:</p> <p>Calcite 1 Clay 5 Epidote 2 Feldspar 3 Mica 2 Oxide 2 Quartz 2</p>

SITE 808 HOLE C CORE 83R CORED INTERVAL 5760.4-5766.6 mbsf; 1085.8-1092.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSELS	RADIOLARIANS										
MIDDLE - UPPER MIOCENE	C/M	NN8 - NN10											<p>SILT CLAYSTONE with CALCAREOUS CLAYSTONE</p> <p>Major lithology: Bioturbated SILTY CLAYSTONE; mottled, with dark gray (2.5Y 4/0) as the dominant color. There are sparse quantities of disseminated forams; small burrows are common. The degree of core disturbance is variable; some intervals display polished fracture surfaces and others contain drilling breccia and slurry.</p> <p>Minor lithology: Dark brown (10YR 3/3) CALCAREOUS CLAYSTONE. This very fine-grained, dirty micrite occurs in Section 2, 56-59 cm. Upper and lower boundaries are both gradational.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: right;">1, 70 2, 58 D M</p> <p>TEXTURE:</p> <p>Silt 4 3 Clay 5 5</p> <p>COMPOSITION:</p> <p>Chlorite 2 Clay 5 5 Feldspar 3 Mica 2 Micrite 1 5 Oxide 2 Quartz 3 1</p>



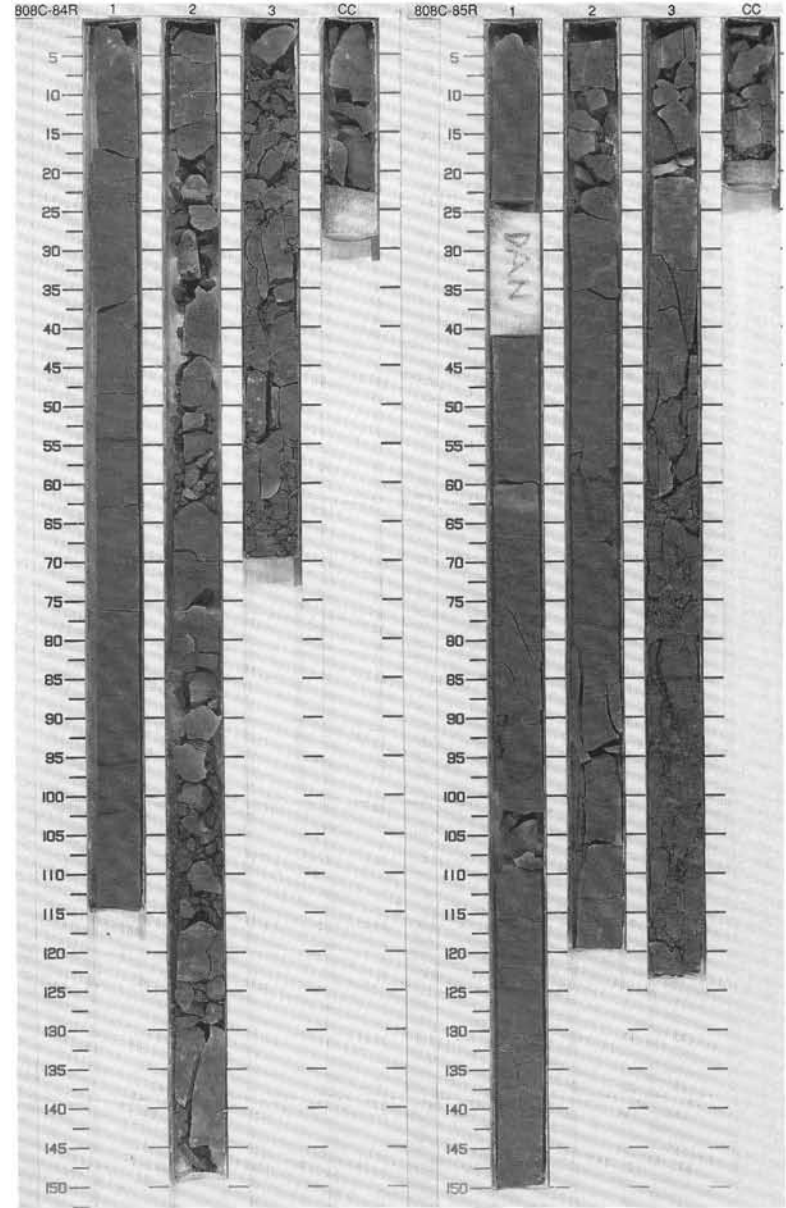
SITE 808

SITE 808 HOLE C CORE 84R CORED INTERVAL 5766.6-5772.9 mbsl; 1092.0-1098.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAKNOFOSSILS	RADIOLARIANS										
MIDDLE MIOCENE													CLAYEY SILTSTONE/SILTY CLAYSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Diagenetic carbonate in Section 1, 66-67 cm. SMEAR SLIDE SUMMARY (%): IW 1, 50 D TEXTURE: Silt 4 Clay 5 COMPOSITION: Calcite 1 Clay 5 Feldspar 2 Mca 2 Oxide 2 Quartz 3
	B	(NN7 - NN8)					1						
				R	0-32 1-2, 23	%IC=0.33 %TOC=0.28							
				R	0-33 1-2, 26	%IC=0.06							
				R	0-33 1-2, 25		2						
				R	0-34 1-2, 26		3						
				R	0-33 1-2, 28		CC						

SITE 808 HOLE C CORE 85R CORED INTERVAL 5772.9-5782.6 mbsl; 1098.3-1108.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAKNOFOSSILS	RADIOLARIANS										
MIDDLE MIOCENE													CLAYEY SILTSTONE/SILTY CLAYSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Diagenetic carbonate in Section 1, 59-62 cm. SMEAR SLIDE SUMMARY (%): 1, 61 3, 51 M D TEXTURE: Silt 5 4 Clay 3 5 COMPOSITION: Calcite 5 2 Clay 3 5 Feldspar 1 3 Mca 2 2 Oxide 2 2 Quartz 2 3 Rock fragment 1 1
	C/M	NN6 - NN7					1						
	B			R	0-34 1-2, 22	%IC=0.28 %TOC=0.28							
				R	0-33 1-2, 22		2						
				R	0-33 1-2, 22		3						
				R	0-34 1-2, 22		CC						

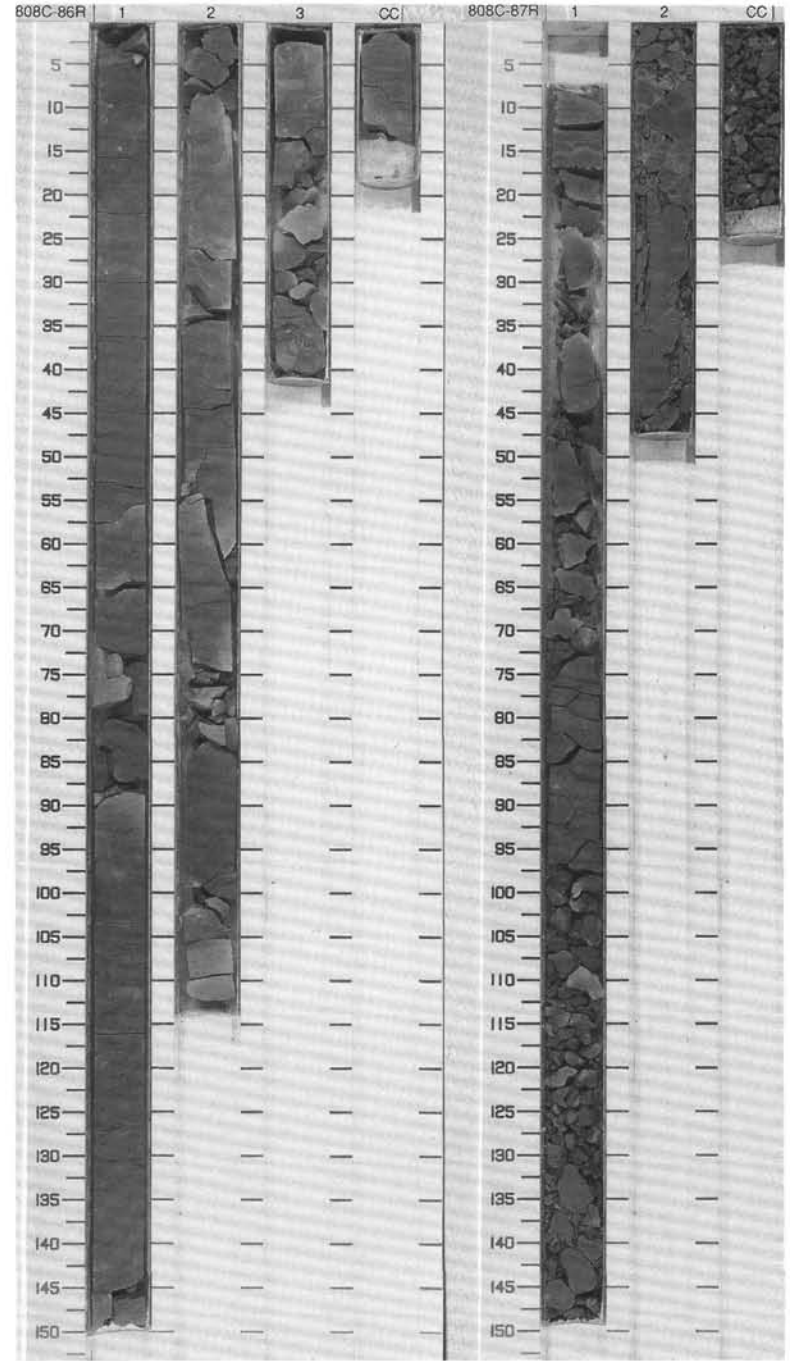


SITE 808 HOLE C CORE 86R CORED INTERVAL 5782.6-5792.2 mbsf; 1108.0-1117.6 mbsf

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																		
MIDDLE MIOCENE	C/M	NN6 - NN7	B	R [7-2.3 2.43]	● 9-33 ● 9-32 ● 7-2.23	● XIC=0.28 ● XTOC=0.28	1	0.5 1.0					CLAYEY SILTSTONE/SILTY CLAYSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (SY 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Diagenetic carbonate in Section 2, 108-115 cm. Elliptical siderite concretion in Section 2, 63-65 cm. SMEAR SLIDE SUMMARY (%): <table><tr><td></td><td>1.50</td><td>2.64</td></tr><tr><td>D</td><td></td><td>M</td></tr></table> TEXTURE: Silt 4 5 Clay 5 2 COMPOSITION: Calcite 3 5 Clay 5 2 Feldspar 3 2 Mica 1 Nannofossils 2 Oxide 2 Quartz 3 Radiolarians 2		1.50	2.64	D		M
	1.50	2.64																	
D		M																	

SITE 808 HOLE C CORE 87R CORED INTERVAL 5792.2-5801.5 mbsf; 1117.6-1126.9 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																		
MIDDLE MIOCENE	B	(NN6 - NN7)	B	N? [7-2.23 2.4]	● 9-33 ● 9-32 ● 7-2.25	● XIC=0.22 ● XTOC=0.22	1	0.5 1.0					CLAYEY SILTSTONE/SILTY CLAYSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (SY 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. SMEAR SLIDE SUMMARY (%): <table><tr><td></td><td>1.80</td><td></td></tr><tr><td>M</td><td></td><td></td></tr></table> TEXTURE: Silt 3 Clay 5 COMPOSITION: Clay 5 Feldspar 2 Oxide 2 Quartz 3 Radiolarians 2		1.80		M		
	1.80																		
M																			

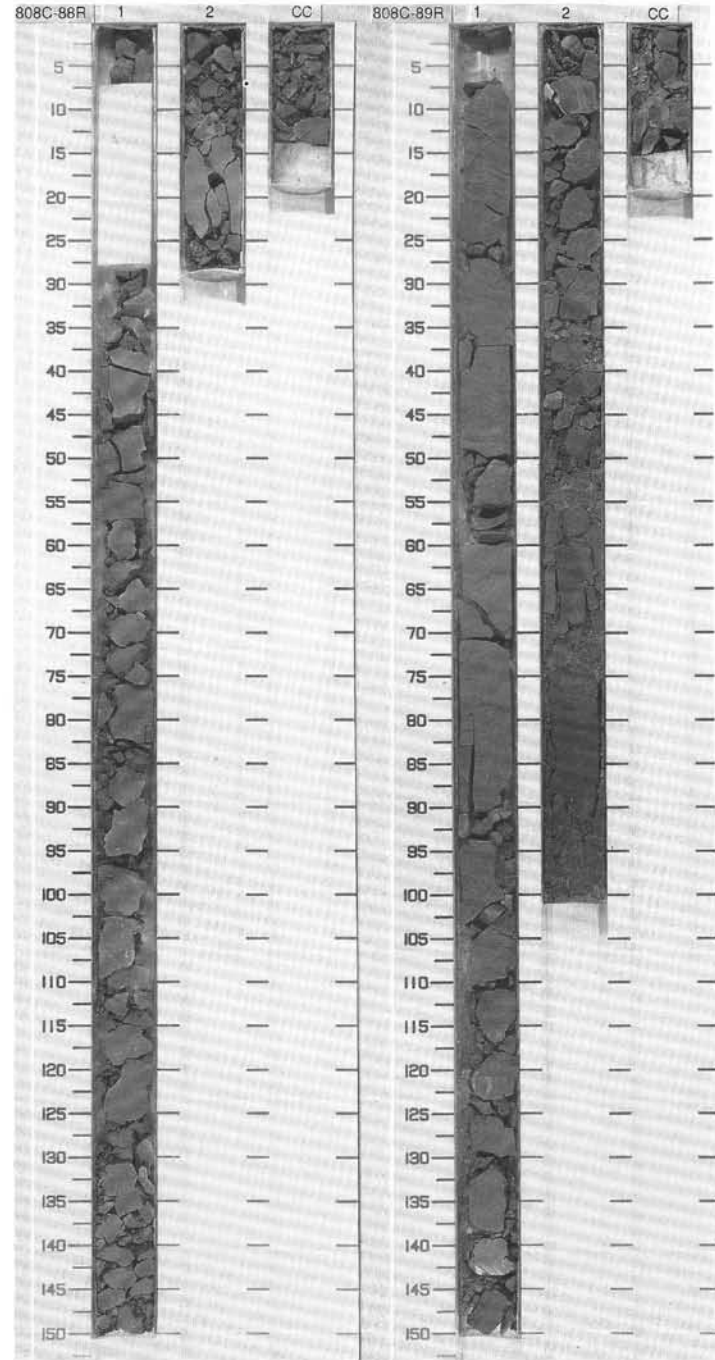


SITE 808 HOLE C CORE 88R CORED INTERVAL 5801.5-5811.2 mbsf; 1126.9-1136.6 mbsf

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/M NN6 - NN7												
	B												
MIDDLE MIOCENE					R [0.29 -2.27]	%C=0.35 %TOC=0.25	1	0.5			1W	SILTY CLAYSTONE	
					0.25 -2.38	%C=4.67	2	1.0				Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Siderite concretion in Section 2, 11 cm.	
							CC					SMEAR SLIDE SUMMARY (%):	
												Silt 4	2, 15
												Clay 5	M
												COMPOSITION:	
												Calcite 3	
												Clay 3	
												Feldspar 2	
												Micrite 5	
												Oxide 2	
												Quartz 3	

SITE 808 HOLE C CORE 89R CORED INTERVAL 5811.2-5820.9 mbsf; 1136.6-1146.3 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/M NN6 - NN7												
	B												
MIDDLE MIOCENE					R [0.26 -2.24]	%C=0.35 %TOC=0.23	1	0.5			*	SILTY CLAYSTONE with MIXED SEDIMENT	
					0.33 -2.26	%C=0.73	2	1.0			*	Major lithology: Bioturbated SILTY CLAYSTONE; mottled by burrows, but the color is dominantly dark gray (2.5Y 4/0). There are traces of pyrite and color bands, together with patches of carbonate claystone.	
							CC				*	Minor lithology: MIXED SEDIMENT containing carbonate, pyrite, biotite, clay, and nanno-fossils. This material is poorly sorted, with grains as large as fine sand. The interval of occurrence is Section 1, 52-58 cm.	
												SMEAR SLIDE SUMMARY (%):	
												1, 57	2, 43
												D	D
												2, 92	
												TEXTURE:	
												Sand 2	
												Silt 5	2 4
												Clay 3	5 5
												COMPOSITION:	
												Calcite 3	1 2
												Chlorite 3	1 -
												Clay 2	2 5
												Epidote 3	- 1
												Feldspar 3	2 3
												Mca 2	- -
												Micrite 3	5 -
												Nannofossils 2	- 3
												Oxide 2	2 2
												Quartz 2	2 3
												Rock fragment 2	- -

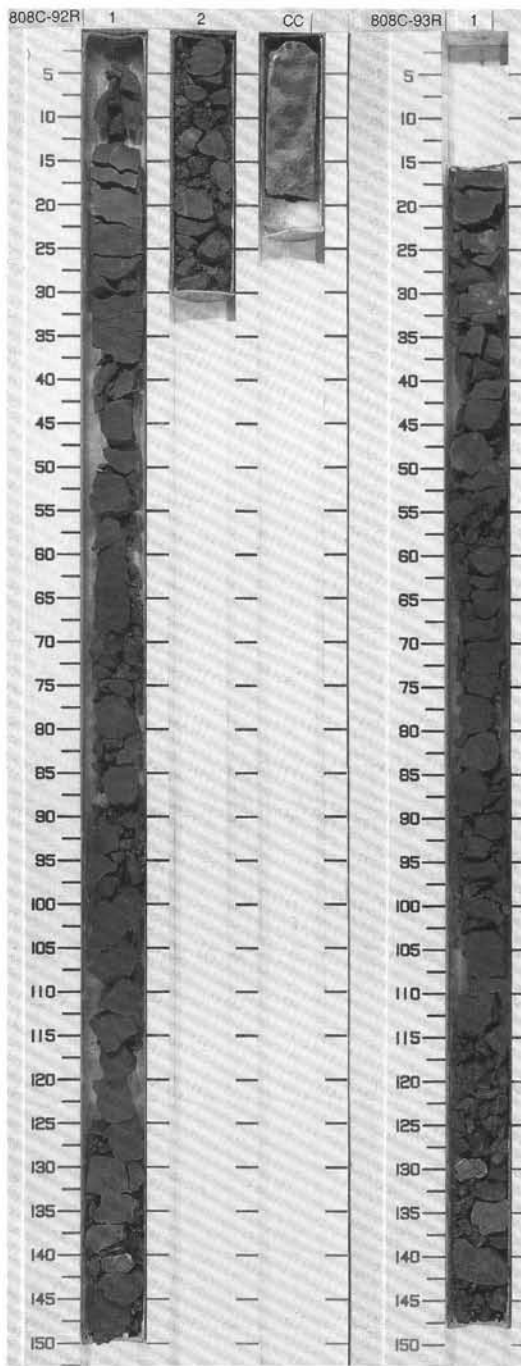


SITE 808 HOLE C CORE 92R CORED INTERVAL 5840.2-5849.9 mbsf; 1165.6-1175.3 mbsf

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		F/M NN6 - NN7		B									<p>SILTY CLAYSTONE</p> <p>Major lithology: Bioturbated SILTY CLAYSTONE. The sediment is mottled and dominantly dark gray in color (2.5Y 4/0), with burrows and sparse disseminated forams. Most of the core has been intensely fragmented into a drilling breccia. Small pods of micritic claystone occur in Section 1, 72-74 and 95-96 cm; this fine-grained sediment is light brownish gray (2.5Y 6/2).</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table> <tr> <td></td> <td>1</td> <td>50</td> <td>CC</td> <td>15</td> </tr> <tr> <td></td> <td>D</td> <td></td> <td>M</td> <td></td> </tr> </table> <p>TEXTURE:</p> <table> <tr> <td>Silt</td> <td>4</td> <td>3</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table> <tr> <td>Calcite</td> <td>2</td> <td>-</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>4</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>1</td> </tr> <tr> <td>Mica</td> <td>2</td> <td>-</td> </tr> <tr> <td>Micrite</td> <td>-</td> <td>5</td> </tr> <tr> <td>Nannofossils</td> <td>2</td> <td>-</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>2</td> </tr> <tr> <td>Quartz</td> <td>3</td> <td>2</td> </tr> <tr> <td>Rock fragment</td> <td>1</td> <td>-</td> </tr> </table>		1	50	CC	15		D		M		Silt	4	3	Clay	5	5	Calcite	2	-	Clay	5	4	Feldspar	3	1	Mica	2	-	Micrite	-	5	Nannofossils	2	-	Oxide	2	2	Quartz	3	2	Rock fragment	1	-
	1	50	CC	15																																																				
	D		M																																																					
Silt	4	3																																																						
Clay	5	5																																																						
Calcite	2	-																																																						
Clay	5	4																																																						
Feldspar	3	1																																																						
Mica	2	-																																																						
Micrite	-	5																																																						
Nannofossils	2	-																																																						
Oxide	2	2																																																						
Quartz	3	2																																																						
Rock fragment	1	-																																																						

SITE 808 HOLE C CORE 93R CORED INTERVAL 5849.9-5859.5 mbsf; 1175.3-1184.9 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									
MIDDLE MIOCENE		B (NN6 - NN7)		B									<p>SILTY CLAYSTONE</p> <p>Major lithology: Bioturbated SILTY CLAYSTONE; the entire core is intensely fragmented into a drilling breccia. There are small, irregular patches of micritic claystone, grayish brown in color (2.5Y 5/2). Otherwise, the sediment is mottled and the principal color is dark gray (2.5Y 4/0). Pyrite is present as a burrow fill.</p>

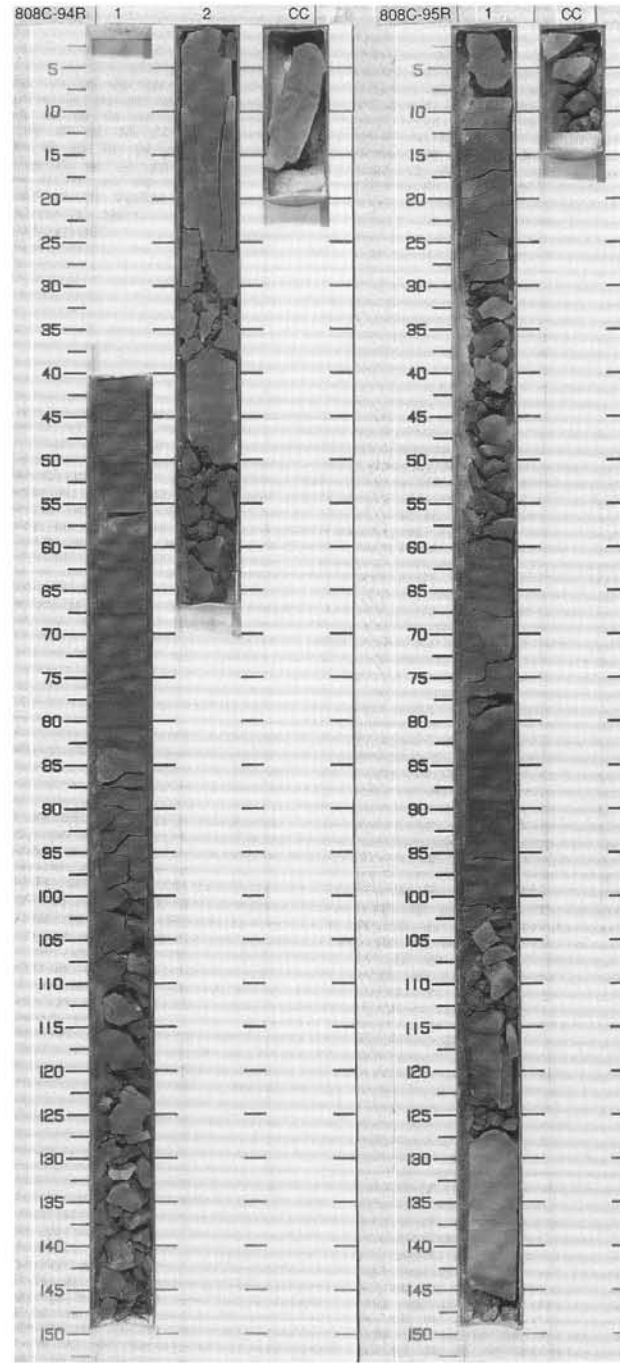


SITE 808 HOLE C CORE 94R CORED INTERVAL 5859.5-5869.2 mbsl; 1184.9-1194.6 mbsf

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								
MIDDLE MIOCENE	B	NN6 - NN7	B		• δ_{30} • δ_{23} • $\delta_{2.8}$ • $\delta_{0.77}$ • $\delta_{0.36}$ • $\delta_{0.26}$		0.5 1.0 1.5 2.0		IW CC		CLAYEY SILTSTONE/SILTY CLAYSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. SMEAR SLIDE SUMMARY (%): TEXTURE: Silt 1, 90 Clay D COMPOSITION: Calcite 1 Chlorite 1 Clay 5 Feldspar 3 Mica 2 Oxide 1 Quartz 3 Rock fragment 1

SITE 808 HOLE C CORE 95R CORED INTERVAL 5869.2-5878.9 mbsl; 1194.6-1204.3 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								
MIDDLE MIOCENE	F/M	NN6 - NN7	B	N	• δ_{30} • δ_{23} • $\delta_{2.8}$ • $\delta_{0.51}$ • $\delta_{0.21}$ • $\delta_{0.3}$		0.5 1.0 1.5				CLAYEY SILTSTONE/SILTY CLAYSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. Section 1, 127-150 cm, shows extensive diagenetic micritization of lithology. SMEAR SLIDE SUMMARY (%): TEXTURE: Silt 1, 23 1, 133 Clay D M COMPOSITION: Calcite 2 Clay 5 Feldspar 3 Mica 1 Micrite 5 Nannofossils 3 Oxide 2 Quartz 3

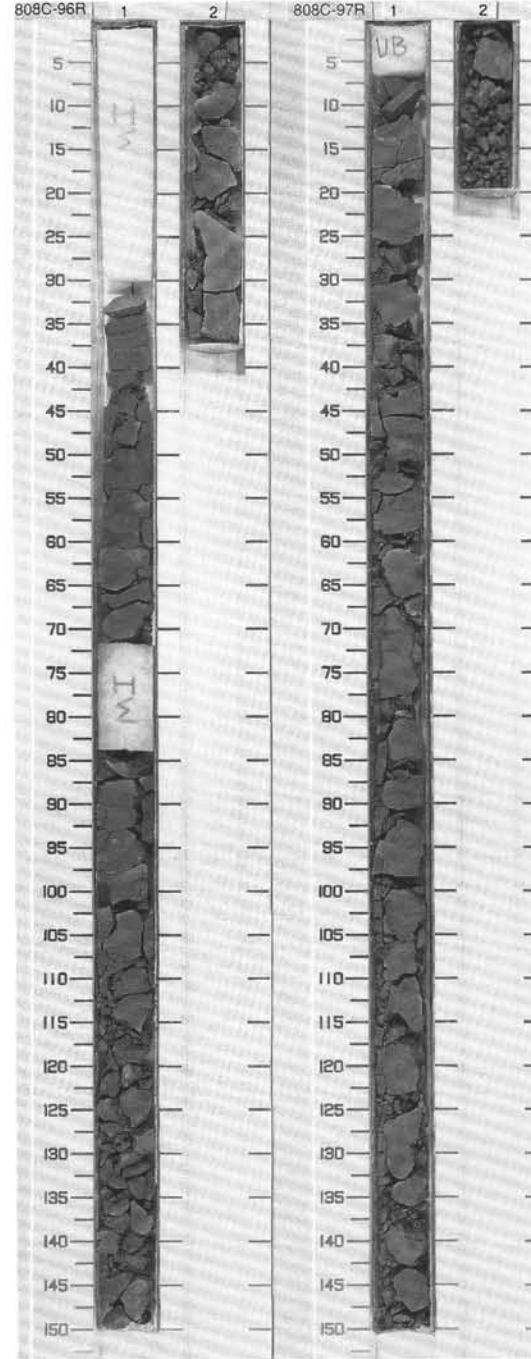


SITE 808 HOLE C CORE 96R CORED INTERVAL 5878.9-5888.6 mbsi; 1204.3-1214.0 mbsf

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									
MIDDLE MIOCENE		(NN5 - NNG)			0-31 1-2.28 2-31 3-31 4-31	%CaCO ₃ 0.35 %TOC 0.05	1	0.5 1.0		IW IW	CLAYEY SILTSTONE/SILT CLAYSTONE * Major lithology: Mottled CLAYEY SILTSTONE/SILT CLAYSTONE (5Y 4/1) with local diffuse, varicolored, laminae/bands on mm to cm scale. Mottling due to bioturbation. SMEAR SLIDE SUMMARY (%): Silt 1, 42 Clay D 5 TEXTURE: Silt 4 Clay 5 COMPOSITION: Calcite 2 Chlorite 2 Clay 5 Feldspar 3 Oxide 2 Quartz 3	

SITE 808 HOLE C CORE 97R CORED INTERVAL 5888.6-5898.3 mbsi; 1214.0-1223.7 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									
MIDDLE MIOCENE	F/M NN5 - NNG				0-31 1-2.32 2-31 3-31 4-31	%CaCO ₃ 0.35 %TOC 0.05	1	0.5 1.0		UB *	CLAYEY SILTSTONE/SILT CLAYSTONE * Major lithology: Mottled CLAYEY SILTSTONE/SILT CLAYSTONE (5Y 4/1). Mottling due to bioturbation. Burrows appear very flattened and sheared relative to overlying sections. SMEAR SLIDE SUMMARY (%): Silt 1, 50 Clay D 4 TEXTURE: Silt 5 Clay 4 COMPOSITION: Calcite 2 Chlorite 2 Clay 4 Feldspar 3 Mica 2 Nannofossils 2 Oxide 2 Quartz 4 Rock fragment 2	

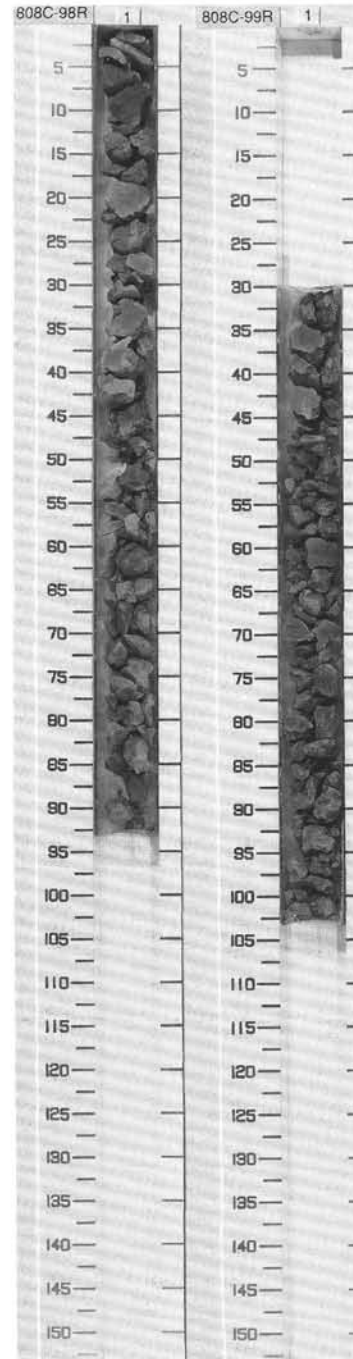


SITE 808 HOLE C CORE 98R CORED INTERVAL 5898.3-5908.0 mbsf; 1223.7-1233.4 mbsf

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									
MIDDLE MIOCENE		(NN5)					1	0.5				CLAYEY SILTSTONE/SILTY CLAYSTONE Major lithology: Mottled CLAYEY SILTSTONE/SILTY CLAYSTONE (5Y 4/1). Mottling due to bioturbation. Burrows appear very flattened and sheared relative to overlying sections. Section 1, 90-93 cm, contains hard brown mineral, probably siderite.

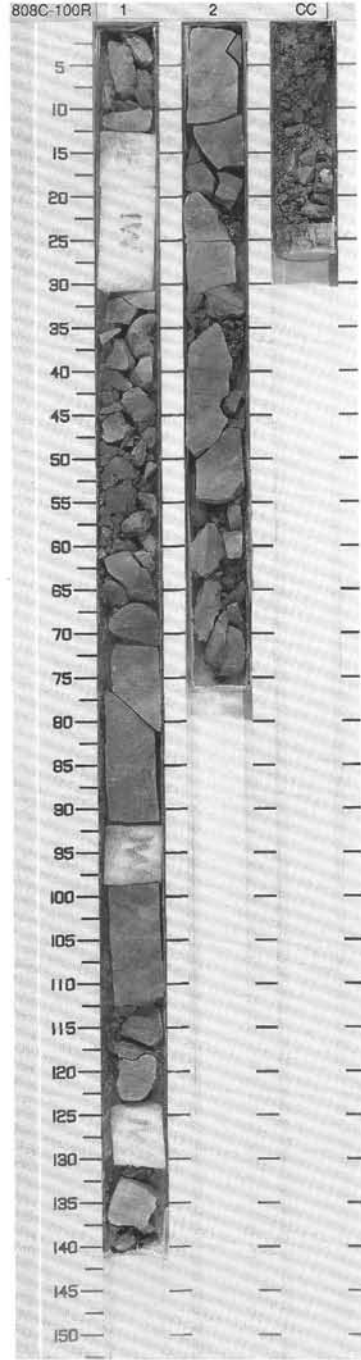
SITE 808 HOLE C CORE 99R CORED INTERVAL 5908.0-5917.6 mbsf; 1233.4-1243.0 mbsf

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									
MIDDLE MIOCENE		(NN5)					1	0.5				SILTY CLAYSTONE Major lithology: Drilling breccia composed of bioturbated SILTY CLAYSTONE. Fragments are rounded by drilling abrasion. The dominant color is dark gray (2.5Y 4/0).

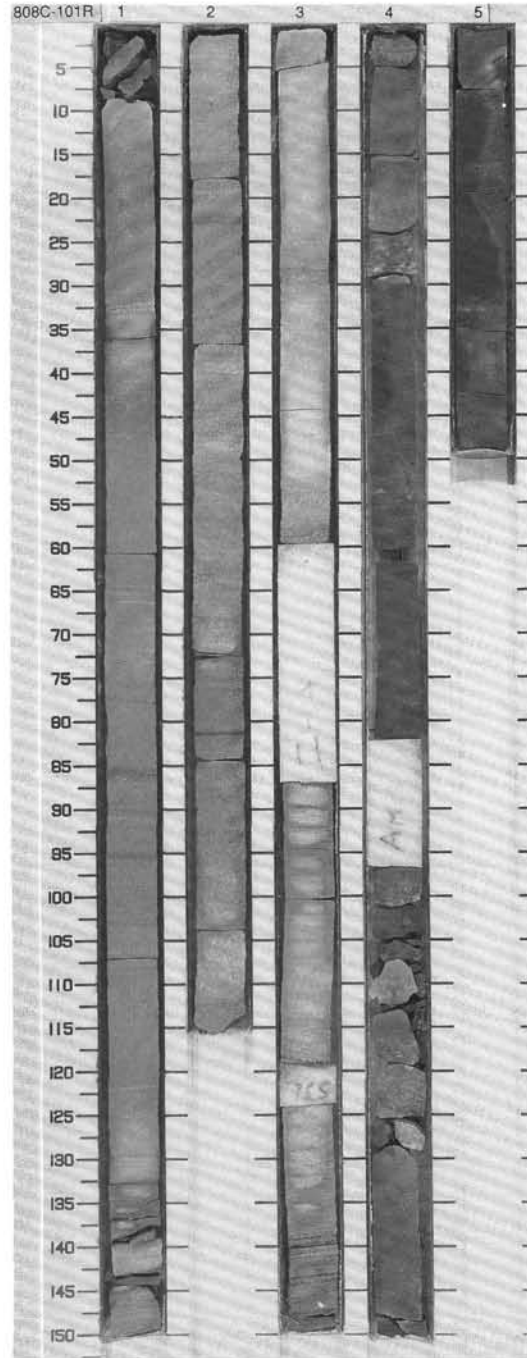


SITE 808 HOLE C CORE 100R CORED INTERVAL 5917.6-5927.3 mbsf; 1243.0-1252.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS				SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION	
FORAMINIFERS	NAANFOFOSSILS	RADIOLARIANS	DIAZONIA	PHYS. PROPERTIES	CHEMISTRY										
MIDDLE MIOCENE					N	%TOC=0.19		1	0.5		X	X	* TW	TUFFACEOUS SILTY CLAYSTONE to CLAYEY SILTSTONE, with TUFF	
	INN51					%CO ₂ =2.8		2	1.0		X	X	* TW	Major lithology: Tuffaceous SILTY CLAYSTONE grading to CLAYEY SILTSTONE, composed largely of altered volcanic glass. Varicolored and color banded, in response to the amount and alteration of glass. The color ranges from dark greenish gray (5G 4/1) to gray (5Y 5/1, 10G 4/2, 2.5Y 4/0). A moderate amount of bioturbation is evident. There are also lighter colored intervals enriched in carbonate (Section 1, 58-61 cm).	
	B	B				%CO ₂ =3.0		CC			X	X	* TW	Minor lithology: Gray (5Y 5/1) TUFF composed of highly altered volcanic glass shards. Occurs primarily in the core catcher (CC, 12-20 cm).	
	B					%CO ₂ =2.6							* TW	SMEAR SLIDE SUMMARY (%):	
															1.4 1.59 1.122 2.39 CC.19
															D M M D M
															TEXTURE:
															Sand 2 - - - -
															Silt 4 5 4 3 5
															Clay 5 4 5 5 3
															COMPOSITION:
															Calcite 2 4 - 1 -
															Chlorite - - 2 - -
															Clay 2 3 5 5 3
															Feldspar 3 3 3 3 3
															Glass 2 2 2 1 4
															Mica 2 - 2 - -
															Nannofossils 2 - 2 - -
															Oxide 1 2 2 2 -
															Quartz 3 3 3 3 3
															Rock fragment - 2 - 2 -
															Zircon 1 - - - -

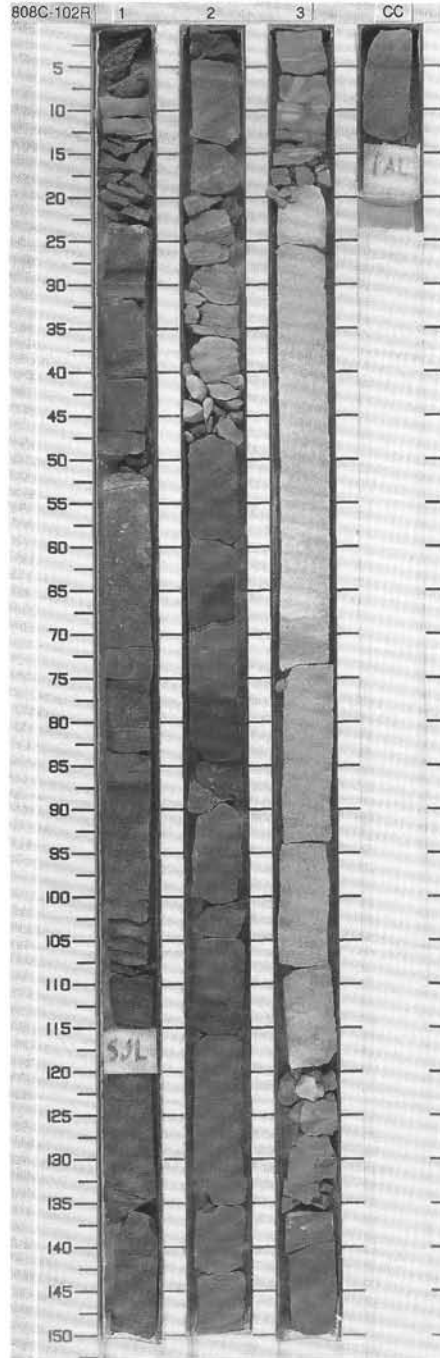


TIME-ROCK UNIT	BIOSTRAT. ZONE/FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																																																																								
	FORAMINIFERS	NANNOFOSSILE	RADIOLARIANS	DIATOMS																																																																																																																																																		
MIDDLE MIOCENE	(NNS)																																																																																																																																																					
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					N	0.29 0.29	0.29 0.29	1	0.5 1.0					<p>TUFF and TUFFACEOUS CLAYSTONE with SILTY CLAYSTONE</p> <p>Major lithology: Sandy TUFF, with grain size ranging from fine sand to coarse sand. There are several cycles of normal size grading. The color is gray (5Y 5/1 to 5Y 6/1), with a salt-and-pepper texture due to admixtures of glass shards, plagioclase, and biotite. Subhorizontal color bands are common, at a scale of 3-10 mm, and there are also intervals with parallel laminae and low-angle cross-laminae. This coarse-grained tuff occurs from Section 1, 8 cm, to Section 4, 5 cm.</p> <p>Major lithology: Strongly indurated and varicolored TUFF and TUFFACEOUS CLAYSTONE. The color varies in shades of dusky green and grayish green (10G 4/2, 5G 7/1, 5G 4/2, 5% 3/2, 5Y 4/1). The grain size is fine sand locally; most of the sediment, however, is the size of silty clay. Coarser intervals typically are normally graded with sharp bases. Bioturbation is common, and some intervals display extreme color mixing.</p> <p>Minor lithology: Bioturbated, dark gray (2.5Y 4/0) SILTY CLAYSTONE. This sediment occurs only in Section 1, 0-8 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 21</td> <td>1, 140</td> <td>2, 81</td> <td>3, 44</td> <td>4, 1</td> <td>4, 6</td> <td>4, 75</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>-</td> <td>-</td> <td>4</td> <td>3</td> <td>5</td> <td>3</td> <td>-</td> </tr> <tr> <td>Silt</td> <td>3</td> <td>5</td> <td>4</td> <td>5</td> <td>4</td> <td>5</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>2</td> <td>3</td> <td>2</td> <td>-</td> <td>2</td> <td>2</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Calcite</td> <td>-</td> <td>-</td> <td>5</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Chlorite</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>2</td> <td>2</td> <td>2</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>3</td> <td>3</td> <td>3</td> <td>5</td> <td>2</td> <td>2</td> </tr> <tr> <td>Glass</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>4</td> <td>5</td> <td>5</td> </tr> <tr> <td>Mica</td> <td>1</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>1</td> <td>-</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>1</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Rock fragment</td> <td>3</td> <td>-</td> <td>2</td> <td>2</td> <td>-</td> <td>2</td> <td>-</td> </tr> </table> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>4, 138</td> </tr> <tr> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Silt</td> <td>3</td> </tr> <tr> <td>Clay</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Chlorite</td> <td>3</td> </tr> <tr> <td>Clay</td> <td>3</td> </tr> <tr> <td>Feldspar</td> <td>2</td> </tr> <tr> <td>Glass</td> <td>4</td> </tr> <tr> <td>Mica</td> <td>2</td> </tr> <tr> <td>Oxide</td> <td>1</td> </tr> <tr> <td>Quartz</td> <td>2</td> </tr> <tr> <td>Rock fragment</td> <td>2</td> </tr> </table>		1, 21	1, 140	2, 81	3, 44	4, 1	4, 6	4, 75	D	D	D	D	D	D	D	D	Sand	-	-	4	3	5	3	-	Silt	3	5	4	5	4	5	5	Clay	5	2	3	2	-	2	2	Calcite	-	-	5	-	-	-	-	Chlorite	-	-	-	-	-	-	2	Clay	4	2	2	2	-	-	-	Feldspar	2	3	3	3	5	2	2	Glass	5	5	5	5	4	5	5	Mica	1	3	3	2	2	1	-	Oxide	2	2	2	2	2	2	1	Quartz	2	2	2	2	2	2	2	Rock fragment	3	-	2	2	-	2	-		4, 138	D	D	Silt	3	Clay	5	Chlorite	3	Clay	3	Feldspar	2	Glass	4	Mica	2	Oxide	1	Quartz	2	Rock fragment	2
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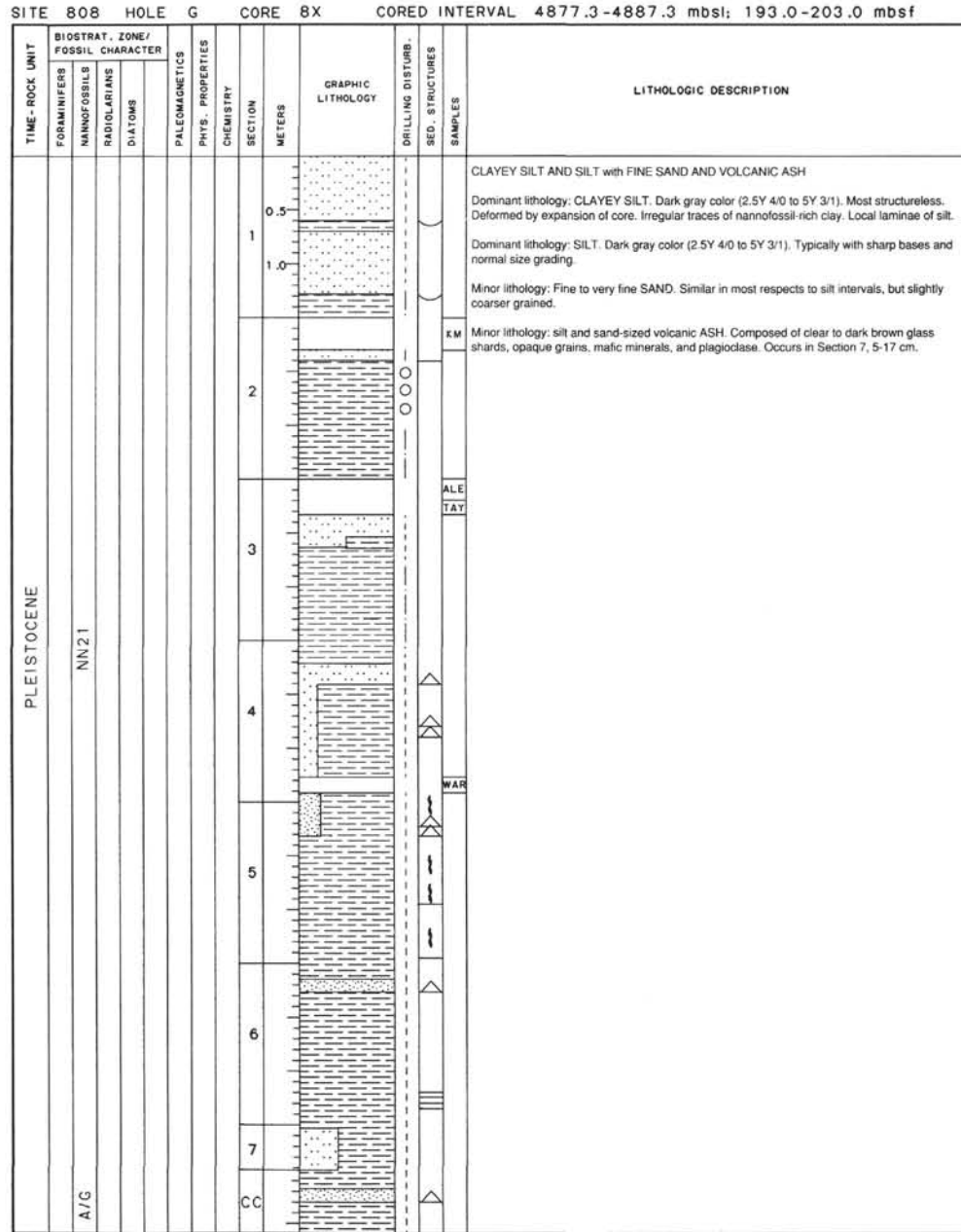


SITE 808 HOLE C CORE 102R CORED INTERVAL 5936.9-5945.5 mbsf; 1261.5-1270.9 mbsf

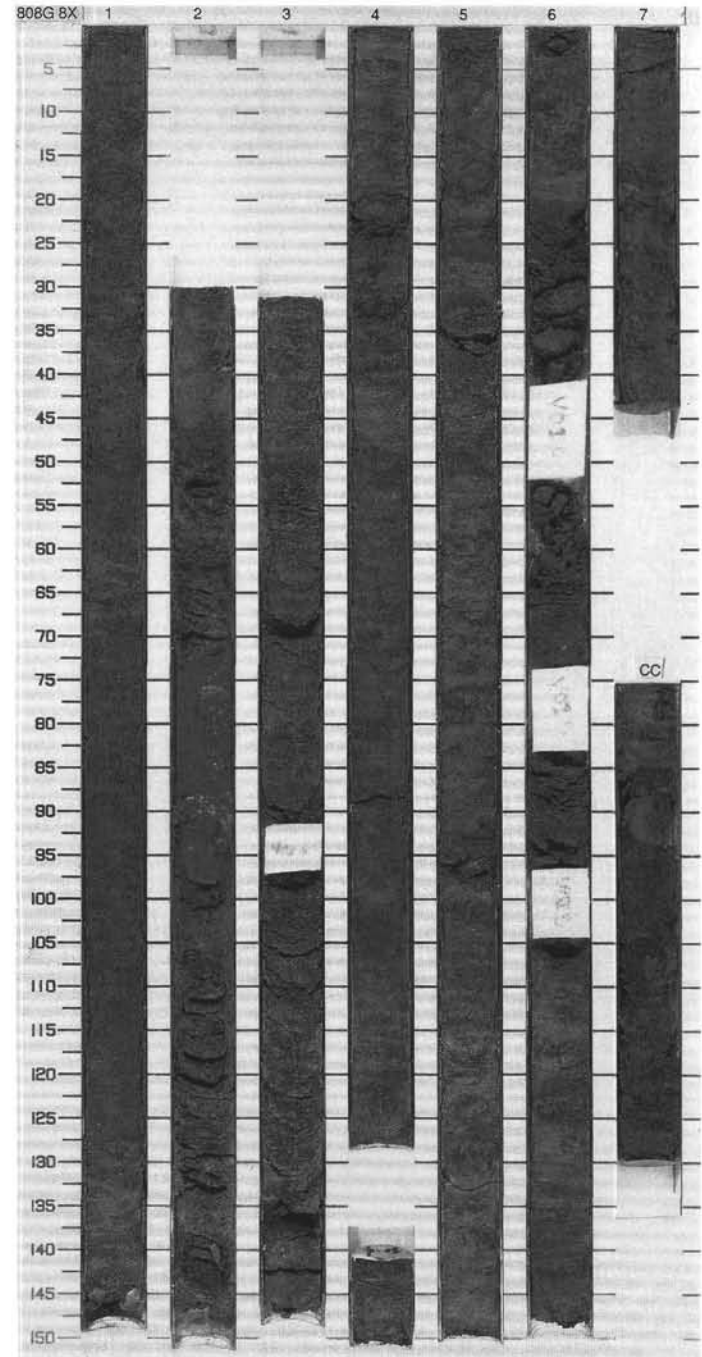
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SEC. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																						
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MIDDLE MIOCENE	C/M	B	NN5	N	2.1, 2.3, 2.8, 3.1, 3.4, 3.7, 4.1, 4.3, 4.8	%IC=2.07 %TOC=0.02	1 2 3 CC	0.5 1.0					<p>TUFFACEOUS SILTY CLAYSTONE to CLAYEY SILTSTONE and TUFF</p> <p>Major lithology: TUFFACEOUS SILTY CLAYSTONE to CLAYEY SILTSTONE as varicolored layers/bands (5G 5/2, 10G 10/2, 10G 4/2), principally comprising altered volcanic glass.</p> <p>Moderate bioturbation. Lighter colored intervals with diagenetic replacement, carbonates as in Section 2, 27-48 cm, and CC, 0-3 cm. Vertical/subvertical dark, colored, dewatering structures common in some intervals such as Section 2, 70-150 cm.</p> <p>Minor lithology: Very thin to thick TUFF (SY 7/1), comprising altered volcanic glass shards and showing signs of considerable new mineral growth with fresh biotites cutting altered original fragments. Grading, generally normal, but rare inverse grading at the base of some layers, and parallel-lamination occur locally. Bases of TUFFS in Section 1, 25 cm, 53 cm, 85 cm, 87 cm, 108 cm, 115 cm, Section 2, 1 cm, 24 cm, 28 cm, 70 cm, 101 cm, Sections 3, 68 cm, and 136 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 20</td> <td>1, 86</td> <td>2, 43</td> <td>3, 88</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>—</td> <td>4</td> <td>—</td> <td>2</td> </tr> <tr> <td>Silt</td> <td>2</td> <td>5</td> <td>5</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>5</td> <td>5</td> <td>2</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Calcite</td> <td>—</td> <td>—</td> <td>3</td> <td>2</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>—</td> <td>3</td> <td>2</td> </tr> <tr> <td>Feldspar</td> <td>2</td> <td>3</td> <td>2</td> <td>3</td> </tr> <tr> <td>Glass</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>Mica</td> <td>—</td> <td>—</td> <td>—</td> <td>2</td> </tr> <tr> <td>Olivine</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> </tr> <tr> <td>Oxide</td> <td>2</td> <td>1</td> <td>2</td> <td>—</td> </tr> <tr> <td>Quartz</td> <td>—</td> <td>—</td> <td>—</td> <td>3</td> </tr> <tr> <td>Rock fragment</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> </tr> </table>		1, 20	1, 86	2, 43	3, 88		D	D	M	D	Sand	—	4	—	2	Silt	2	5	5	2	Clay	2	5	5	2	Calcite	—	—	3	2	Clay	2	—	3	2	Feldspar	2	3	2	3	Glass	5	5	5	5	Mica	—	—	—	2	Olivine	—	2	—	—	Oxide	2	1	2	—	Quartz	—	—	—	3	Rock fragment	—	2	—	—
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808G2X through 7M NO RECOVERY



808G 9M through 12M NO RECOVERY



131-808C-105R-1

UNIT 1A: PLAGIOCLASE PHYRIC BASALT

Pieces 1-2

CONTACTS: None.
PHENOCRYSTS: Homogeneous distribution.
 Plagioclase - 1-2%; 0.2-0.3 mm; tablets, subhedral.
GROUNDMASS: Fine grained, intersertal to subophitic consisting of altered plagioclase laths, interstitial clinopyroxene and altered brownish glass.
VESICLES: 1-2%; 0.3-0.8 mm; rounded; homogeneous distribution.
COLOR: Light greenish gray.
STRUCTURE: Massive.
ALTERATION: Moderately to highly altered (alteration increasing from Piece 1 to Piece 2).
VEINS/FRACTURES: 0-2%; 0.2-0.5 mm; subhorizontal; filled with calcite and minor pyrite.
ADDITIONAL COMMENTS: Piece 2 shows yellowish to reddish oxidation haloes probably related to fractures (top and bottom of the piece).

UNIT 1B: APHYRIC TO PLAGIOCLASE PHYRIC BASALT

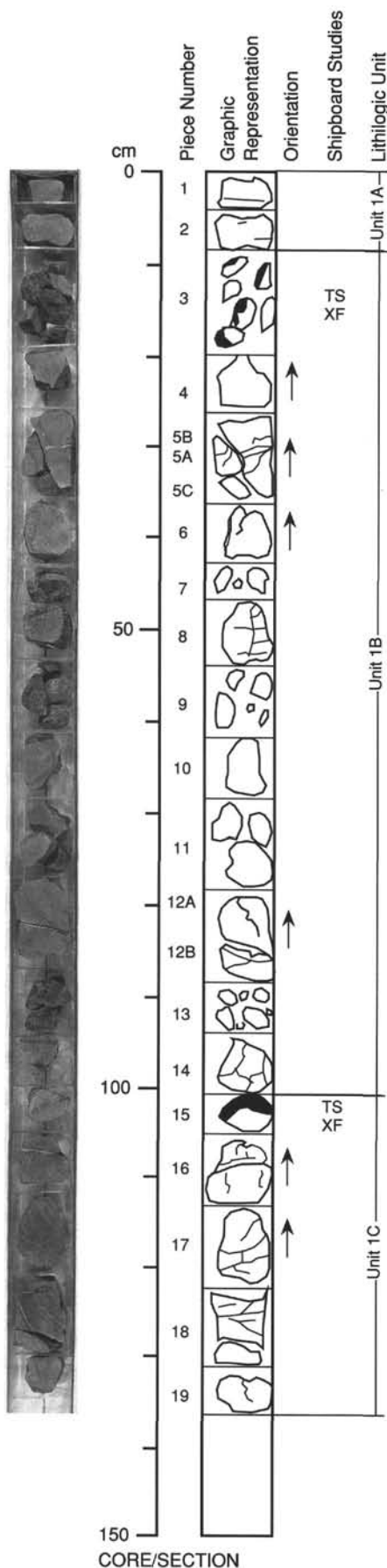
Pieces 3-14

CONTACTS: None, except a narrow (0.5 mm) glassy margin (Piece 3).
PHENOCRYSTS: Totally pseudomorphed by clay minerals.
 Plagioclase - <1-2%; 0.2-1.5 mm; tablets, anhedral to subhedral, generally fresh.
GROUNDMASS: Fine to medium grained, coarsening from Piece 3 to 6 and decreasing from Piece 10 to 14. Intersertal texture, often radiating and constituted of 30-40% plagioclase, interstitial clinopyroxene, 15% totally altered olivine, 15% glassy mesostasis, partly devitrified and altered (smectite), and rare magnetite.
VESICLES: 0-5%; 0.2-0.4 mm; rounded or lobate; heterogeneous distribution; vesicles are more frequent in the upper pieces of the subunit and are filled with smectite, calcite, and altered yellowish devitrified glass.
COLOR: Light gray to greenish gray with frequent reddish oxidation haloes.
STRUCTURE: Massive.
ALTERATION: Moderately to highly altered.
VEINS/FRACTURES: 0-6%; 0.5-2.5 mm; non-oriented; filled with calcite (Pieces 3, 4, 8), calcite and zeolite (Pieces 5A, 5B, 5C, and 11) and calcite and chlorite (Piece 14). The widest veins are in Piece 14.

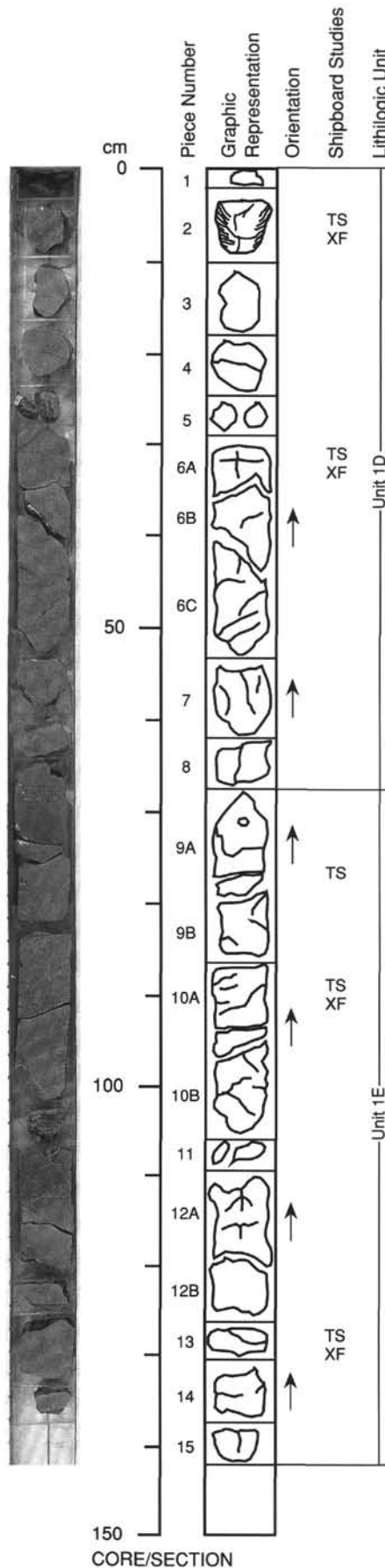
UNIT 1C: APHYRIC BASALT

Pieces 15-19

CONTACTS: None, except a 0.5 mm brownish glassy margin with variolitic texture.
PHENOCRYSTS: Aphyric.
GROUNDMASS: Fine grained, intersertal to locally intergranular, constituted of 30-40% plagioclase laths (up to 0.5 mm) sometimes radiating, 10-20% clinopyroxene, 15% olivine (0.1-0.2 mm) totally altered, 15% glass, partly altered (reddish smectite) and partly devitrified (spherulitic texture), and rare dispersed magnetite.
VESICLES: 0-3%; 0.2-0.4 mm; generally rounded; they are present only in Piece 15; vesicles are partly filled with smectite with minor microcrystalline calcite.
COLOR: Dark gray to light greenish gray.
STRUCTURE: Massive.
ALTERATION: From slightly to patchy moderately altered; Piece 19 is the most altered.
VEINS/FRACTURES: 0-5%; 0.2-4 mm; crossing each other; a wide (4 mm) subhorizontal fracture in Piece 16 is filled with well crystallized calcite (core) and green material (borders) (chlorite?). Thinner, irregular cross cutting veins are filled with calcite.
ADDITIONAL COMMENTS: Neither top nor bottom of subunit recognizable.



CORE/SECTION



UNIT 1D: OLIVINE-PLAGIOCLASE PHYRIC TO APHYRIC BASALT

Pieces 1-8

CONTACTS: None: only a variolitic and vesicular 1-2 mm dark green glassy margin in Piece 2.
PHENOCRYSTS: Rare and sparsely distributed.
 Plagioclase - 0-3%; 0.5-0.8 mm; tabular euhedral, totally replaced by clay minerals except a narrow fresh clear rim (overgrown?)
 Olivine - 0-1%; 0.2-0.3 mm; microphenocrysts, subhedral totally pseudomorphed by greenish-yellowish alteration minerals.
GROUNDMASS: Fine grained intergranular, locally subophitic made of 50% often radiating plagioclase laths (~0.5 mm), 40% anhedral clinopyroxene and interstitial partly altered glass (smectite)
VESICLES: 0-3%; 0.1-0.3 mm; spherical to lobate; heterogeneously distributed; concentrated in the upper part of Piece 2; empty or partly filled with carbonate and/or clay minerals.
COLOR: Medium to dark gray.
STRUCTURE: Massive.
ALTERATION: Slightly altered. Phenocrysts are totally replaced and glassy mesostasis is patchy altered to smectite.
VEINS/FRACTURES: 2-5%; 0.5-1 mm; vein network; Fe-oxidation along some veins and adjacent rock. Thick veins filled with calcite (core) and green chlorite (?) (margin). Thin veins: only calcite.
ADDITIONAL COMMENTS: Grain size coarsening from Piece 1 to 5. All the subunit is generally coarser and better crystallized than the former ones. Piece 1 is a reddish-brown fine grained slate: it may be a baked fragment of altered volcanic ash.

UNIT 1E: PLAGIOCLASE PHYRIC BASALT

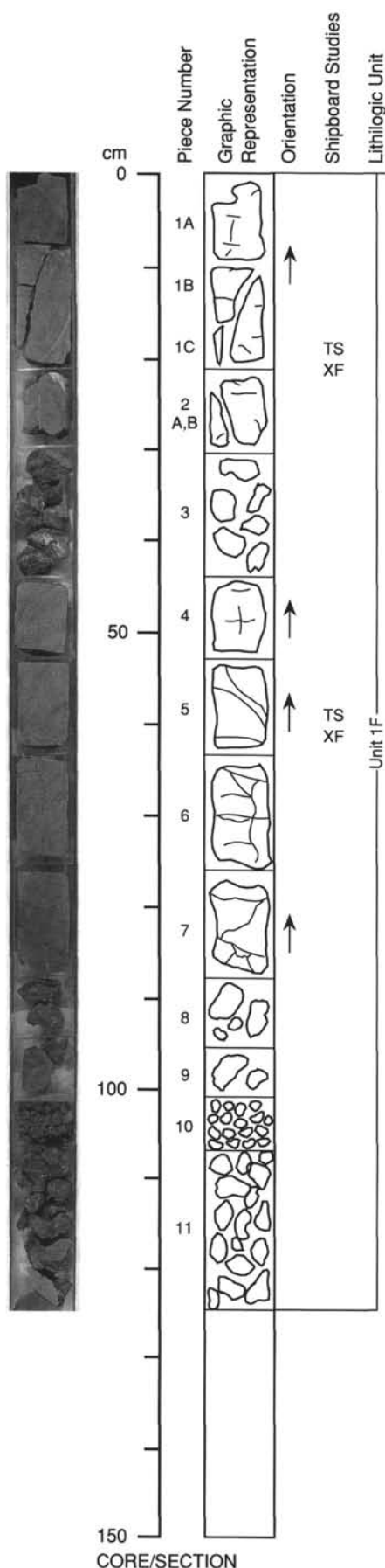
Pieces 9-15

CONTACTS: Dark green glassy variolitic 2 mm margin in Piece 9A.
PHENOCRYSTS: Homogeneous distribution.
 Plagioclase - 0-2%; 0.5-0.7 mm; tabular subhedral to euhedral, generally fresh.
GROUNDMASS: Fine-medium grained, intergranular to doleritic consisting of 30% plagioclase laths (up to 1 mm), 30% clinopyroxene, 10% altered olivine, magnetite, and interstitial devitrified altered glass. From Piece 15 downward, texture tends to be intersertal with more glass.
VESICLES: 0-2%; ~1 mm; spherical; dishomogeneous distribution; vesicles are mainly concentrated in upper part of Piece 9 and are filled with smectite and calcite.
COLOR: Dark gray to dark greenish-gray; yellowish to reddish irregular zones and haloes.
STRUCTURE: Massive.
ALTERATION: Slightly to moderately altered; alteration increases near veins.
VEINS/FRACTURES: 3-10%; 0.2-2 mm; non-oriented; occurring throughout and cross cutting each other. Normally filled with calcite, chlorite, and minor pyrite(?). The thicker veins are zonally filled with chlorite and smectite at the borders and large calcite crystals in the center. The thinner ones are filled with microcrystalline calcite. Reddish oxidation haloes are common at their sides. In Piece 9 one large (2mm) vein is filled with calcite and variolitic green glass.
ADDITIONAL COMMENTS: This subunit is coarser grained than 1D. From Piece 13 grain size slightly decreases and rocks become aphyric.

131-808C-106R-2

UNIT 1F: CLINOPYROXENE-PLAGIOCLASE PHYRIC TO APHYRIC BASALT

Pieces 1-11



CONTACTS: None.

PHENOCRYSTS: Homogeneous distribution in Pieces 1-2. Pieces 3-11 aphyric.

Plagioclase - 0-3%; ~0.8 mm; euhedral, tabular, fresh
 Clinopyroxene - 0-1%; up to 1 mm; subhedral, prismatic, fresh

GROUNDMASS: Medium grained intersertal divergent to doleritic consisting of 40% plagioclase laths (0.3-1 mm), ~40% slightly altered clinopyroxene, ~10% subhedral olivine completely replaced by green chlorite(?), 2% magnetite, and interstitial altered glass (smectite?).

VESICLES: Nonvesicular.

COLOR: Gray to very dark gray, greenish gray the altered portions.

STRUCTURE: Massive.

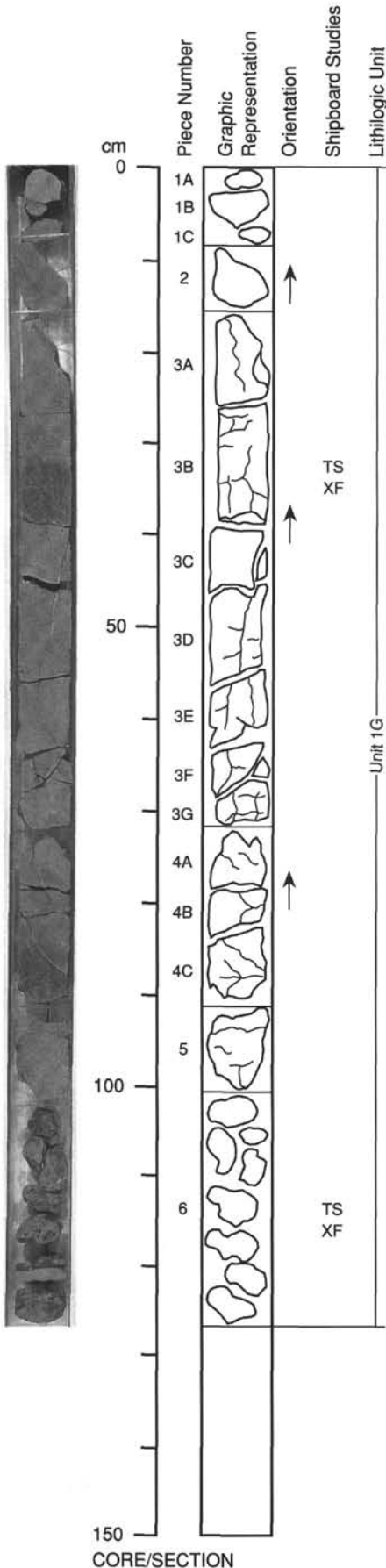
ALTERATION: Slightly altered, especially glassy mesostasis (smectite?).

VEINS/FRACTURES: 0-7%; 0.8-0.3 mm; mainly irregular, sometimes subhorizontal; some veins are filled prevalently with fibrous calcite, other with calcite and zeolite, other with smectite, chlorite and minor pyrite(?); the thinnest ones are filled with microcrystalline calcite. Piece 5 shows a large (3 mm) vein filled with chlorite and fibrous actinolite(?) (borders) and minor large calcite crystals (center).

ADDITIONAL COMMENTS: After Piece 3 (rubble) grain size decreases slightly; Piece 3 shows thin variolitic glassy margins (different subunit?) Pieces 1-2 are the coarsest grained of all basalts recovered. From Piece 3 to 11 basalts are aphyric. Pieces 9-10 are constituted by small rounded fragments of reddish-brown very fine grained baked slate.

UNIT 1G: APHYRIC BASALT

Pieces 1-6



CONTACTS: None.

PHENOCRYSTS: Aphyric.

GROUNDMASS: Very fine grained intersertal often radiating made of 20% plagioclase laths (~0.8 mm), ~25% prismatic or tabular clinopyroxene (~0.5 mm), ~5% subhedral olivine totally altered, trace of magnetite, and 10-40% interstitial partly devitrified and altered glass.

VESICLES: 0-2%; ~0.3 mm; spherical; randomly distributed; filled mainly with calcite, sometimes with spherulitic texture.

COLOR: Gray to yellowish gray with reddish haloes.

STRUCTURE: Massive.

ALTERATION: Slightly to moderately altered.

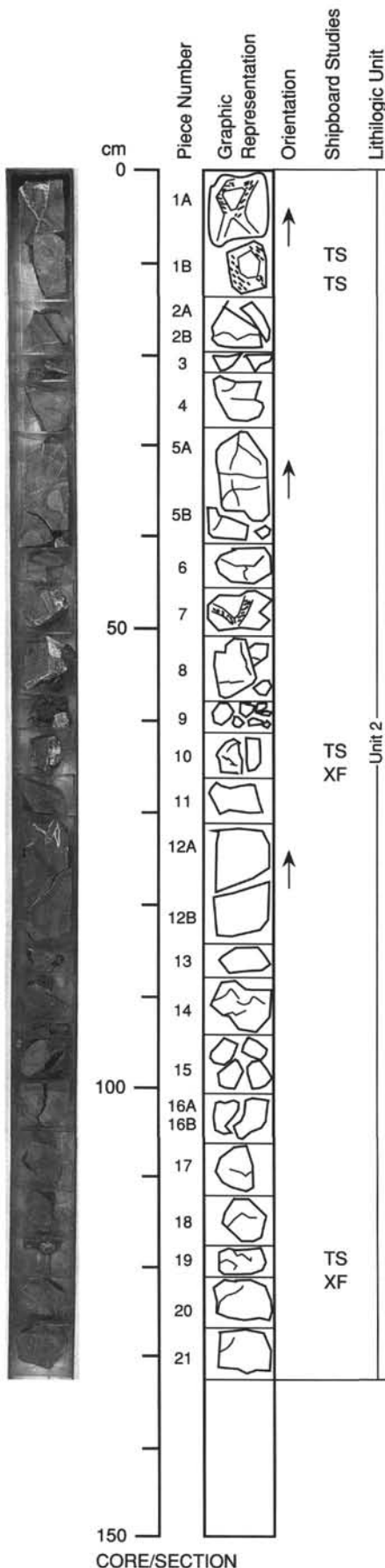
VEINS/FRACTURES: 2-10%; 0.5-3 mm; irregular; occur throughout the unit cross cutting each other: very often pieces broke along veins and commonly oxidation reddish haloes are observed on both sides of veins. One large (2-3 mm) vein crosses Pieces 3B and 3C (dip 70°) and is filled with fibrous calcite, chlorite, smectite, and Fe-oxide. Thinner veins are filled mainly with calcite or calcite and smectite and minor zeolite (?).

ADDITIONAL COMMENTS: Texture and mineral proportion are very constant along the subunit.

131-808C-108R-1

UNIT 2: APHYRIC TO PLAGIOCLASE PHYRIC BASALT

Pieces 1-21



CONTACTS: None, but upper pieces show pillow breccia structure.

PHENOCRYSTS:

Plagioclase - 0-1%; ~0.7 mm; tablets, subhedral, altered.
 Olivine - 0-1%; ~0.7 mm; subhedral, completely replaced by greenish alteration minerals.

GROUNDMASS: Very fine grained hypocrySTALLINE hyalopilitic, consisting of 25% skeletal altered plagioclase, ~20% anhedral mafic minerals completely pseudomorphed by secondary minerals (calcite?), and 50% brown partly devitrified and altered glass.

VESICLES: 0-5%; 0.1-0.2 mm; rounded; randomly distributed; filled with calcite, smectite, and chlorite(?)

COLOR: Whitish (matrix) and greenish gray to reddish gray (rock fragments).

STRUCTURE: Pillow lava. Autobrecciated upper pieces suggest pillow upper part. Angular fragments from 1 to several centimeters across are healed together by calcite and green fine-variolitic glass with minor smectite. From Piece 1 to 10 structure is brecciated: matrix decreasing and fragment size increasing downwards. From Piece 10 to 21 structure is massive (pillow interior?) and the rocks contain much less glass.

ALTERATION: Moderately to highly altered.

VEINS/FRACTURES: Veins and fractures are filled with carbonate-glassy material. Veins in largest fragments sometimes show double haloes: internal yellowish (up to 1 mm) and external reddish brown (up to 5 mm)

ADDITIONAL COMMENTS: Matrix composition suggest that fragmentation occurred both during cooling (fragments healed together by glass) and under subsolidus condition (secondary minerals, as carbonate, veining variolitic glass). Pieces from 4 to 9 are fragments of the breccia.

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131-808C-105R-01 (Piece 3,8-19 cm) OBSERVER: SIE WHERE SAMPLED: rubble

ROCK NAME: Aphyric to plagioclase phyric basalt

GRAIN SIZE: very fine grained

TEXTURE: intersertal to hyalopilitic

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
plagioclase	0.2	1	0.8		euhedral tabular	dusty with a narrow fresh rim (overgrown?)
GROUNDMASS						
plagioclase	30	40	~0.4	An 52-54	euhedral to subhedral	laths
clinopyroxene	3	10	0.3-0.4		subhedral	prismatic
olivine	0	10	up to 0.3		subhedral	totally pseudomorphed

SECONDARY MINERALOGY	PERCENT	REPLACING/FILLING	COMMENTS
clay	10.8	plagioclase	
chlorite	10	clinopyroxene, olivine	
serpentine	5	olivine	
Fe-oxide	2	olivine	
smectite	12	glassy mesostasis, vesicles	
calcite	3	vesicles	

VESICLES/CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	5	even	0.2-0.4	smectite, calcite	spherical

COMMENTS: Almost all glass devitrified. Perlitic and spherulitic textures are common in mesostasis

131-808C-105R-01 (Piece 15,102-105 cm) OBSERVER: SIE WHERE SAMPLED:

ROCK NAME: Aphyric basalt

GRAIN SIZE: fine grained

TEXTURE: intersertal to intergranular, locally ophitic

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
plagioclase	35	40	~0.4	An 54-56	subhedral	sometimes skeletal, partly opacized by clay minerals
clinopyroxene	15	20	0.3-0.4		anhedral to subhedral	
olivine	0	15	0.1-0.2		subhedral	totally pseudomorphed by serpentine and Fe-oxide
magnetite	5	5	0.01-0.03		subhedral to euhedral	cubic

SECONDARY MINERALOGY	PERCENT	REPLACING/FILLING	COMMENTS
clay	5	plagioclase	
chlorite	5	clinopyroxene	
serpentine	10	olivine	
Fe-oxide	5	olivine	
smectite	8	vesicles, glassy mesostasis	
calcite	3	vesicles	

VESICLES/CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	5	even	0.2-0.4	smectite, calcite	spherical or slightly lobated

COMMENTS: 0.3-0.4 mm brownish variolitic glassy margin occurs, where patches of fresh variolitic devitrified glass are surrounded by a narrow smectite rim.

131-808C-106R-01 (Piece 2,5-9 cm) OBSERVER: SIE WHERE SAMPLED:

ROCK NAME: Clinopyroxene-plagioclase-olivine moderately phyric basalt

GRAIN SIZE: fine grained

TEXTURE: intergranular to doleritic

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
olivine	0	5	0.3-0.5		subhedral	microphenocrysts, sometimes enclosed in plagioclase; totally pseudomorphed
plagioclase	0	3	0.5-0.8		subhedral to euhedral	totally opacized by clay minerals
clinopyroxene	0.5	0.5	~0.5		subhedral to euhedral	prismatic, fresh
GROUNDMASS						
plagioclase	40	40	0.3-0.5	An 64	subhedral	elongate laths, sometimes radiating, fresh
clinopyroxene	30	44	0.2-0.4		subhedral to anhedral	prismatic, often skeletal, slightly altered
magnetite	2	3	0.05-0.1		subhedral	sometimes oxidized to hematite
SECONDARY MINERALOGY						
	PERCENT	REPLACING/ FILLING				COMMENTS
serpentine	3	olivine, veins				
Fe-oxide	1	olivine				
chlorite	17	olivine, clinopyroxene, veins				
clay	3	plagioclase				
hematite	1	magnetite				
smectite	2	glassy mesostasis				

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	0					non vesicular
veins	2	irregular	0.1-0.2	chlorite, serpentine		

COMMENTS: Glassy mesostasis (3%) is generally devitrified (rare varioles) and altered to smectite.

131-808C-106R-01 (Piece 6A,28-31 cm) OBSERVER: SIE WHERE SAMPLED:

ROCK NAME: Aphyric basalt

GRAIN SIZE: fine-medium grained, holocrystalline

TEXTURE: intergranular divergent

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
plagioclase	50	50	0.3-0.9	An 70	subhedral to euhedral	laths
clinopyroxene	20	35	0.2-0.6		subhedral	prismatic or, more commonly, subequant
olivine	0	6	0.4		subhedral	totally replaced by alteration minerals
magnetite	4	4	0.01-0.2		subhedral	
SECONDARY MINERALOGY						
	PERCENT	REPLACING/ FILLING				COMMENTS
chlorite	16	clinopyroxene, olivine, veins				
Fe-oxide	2	olivine				
smectite	1	glass				
actinolite(?)	7	veins, clinopyroxene				fibrous, highly pleochroic, high birefringence

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	0					non vesicular
veins	4		0.6	chlorite and actinolite (?)		often straight and subparallel

COMMENTS: 1% glassy mesostasis totally altered to chlorite and reddish smectite

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131-808C-106R-01 (Piece 9,74-75 cm)

OBSERVER: SIE

WHERE SAMPLED:

ROCK NAME: Plagioclase phyric basalt

GRAIN SIZE: fine-medium grained

TEXTURE: intergranular to doleritic

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
plagioclase	1	5	up to 5		euhedral	tabular, almost totally opacized by clay minerals. Patches of groundmass inclusions (devitrified glass) give them a sponge-like appearance. Narrow fresh rims (overgrown?)
GROUNDMASS						
plagioclase	30	35	0.5-1	An 65-70	subhedral	laths
clinopyroxene	35	35	0.3-0.5		anhedral	subequant or skeletal
olivine	0	12	0.4		subhedral	completely replaced by iddingsite and Fe-oxide (rims)

SECONDARY MINERALOGY	PERCENT	REPLACING/FILLING	COMMENTS
clay	9	plagioclase	
iddingsite	10	olivine	
Fe-oxide	2	olivine	
smectite	4	glass, vesicles	
chlorite	0.5	veins	border of veins
actinolite (?)	0.5	veins	border of veins
calcite	1	veins	large crystals in central part of veins

VESICLES/CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	1	even	0.2	smectite	
veins	1		0.8	chlorite, actinolite (?), calcite	irregular

COMMENTS: 4% glss totally devitrified (spherulites) and altered in green smectite

131-808C-106R-01 (Piece 10A,90-93 cm)

OBSERVER: SIE

WHERE SAMPLED:

ROCK NAME: Aphyric to plagioclase phyric basalt

GRAIN SIZE: fine-medium grained

TEXTURE: intergranular to subophitic, locally ophitic for large clinopyroxenes including plagioclase laths

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
plagioclase	0.5	1	0.5-0.6	nd	subhedral to euhedral	
GROUNDMASS						
plagioclase	25	30	0.5-0.8	nd	subhedral	laths sometimes with altered cores
clinopyroxene	20	20	0.3-0.8		subhedral to anhedral	fresh and sometimes intergrown with plagioclase
olivine	0	14	0.1-0.3		subhedral	totally pseudomorphed
magnetite	6	6	0.02-0.1		subhedral	

SECONDARY MINERALOGY	PERCENT	REPLACING/FILLING	COMMENTS
calcite,epidote	16	plagioclase, veins	
chlorite	26	olivine, glass, veins	
smectite	3	glss	

VESICLES/CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	0					
veins	24	throughout	0.7-8	chlorite, calcite, and devitrified glass		The largest ones contain large calcite crystals in central part. Some veins contain spherulitic glass

COMMENTS: 5% devitrified glass with spherulitic texture, altered to chlorite and smectite

131-808C-106R-01 (Piece 13,122-125 cm) OBSERVER: SIE WHERE SAMPLED:

ROCK NAME: Aphyric to plagioclase phyric basalt

GRAIN SIZE: fine-medium grained

TEXTURE: intersertal to intergranular, locally subophitic

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
plagioclase	1	1	0.3-0.7	An 70	subhedral	tabular, fresh
GROUNDMASS						
plagioclase	30	40	up to 0.8	An 60	subhedral	laths
clinopyroxene	20	30	0.4		anhedral	
olivine	0	10	0.3-0.4		subhedral	sometimes subequant
magnetite	6	6	~0.7		subhedral	also in aggregates
SECONDARY MINERALOGY						
	PERCENT	REPLACING/ FILLING				COMMENTS
clay	5	plagioclase				
sericite	5	plagioclase				
actinolite(?)	9	clinopyroxene, veins				
chlorite	7	clinopyroxene, olivine, veins				
epidote	2	clinopyroxene				
serpentine	4	olivine				
Fe-oxide	2	olivine				
smectite	10	glass			1-2% calcite in veins	

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	0					
veins	4		0.3-0.7	actinolite (?), calcite		the largest veins are zoned with fibrous actinolite(?) at the borders and large calcite crystals in the centre; the thinnest ones are filled only with actinolite (?) and/or chlorite

COMMENTS: 10% glass totally devitrified and altered to smectite

131-808C-106R-02 (Piece 1C,17-22 cm) OBSERVER: SIE WHERE SAMPLED:

ROCK NAME: Clinopyroxene plagioclase phyric basalt

GRAIN SIZE: medium grained

TEXTURE: holocrystalline, intergranular to subophitic with ophitic patches

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
plagioclase	3	3	0.6-0.8	An 70	euhedral tabular	fresh
clinopyroxene	1	1	0.5		subhedral	prismatic fresh, slightly pinkish in PPL
GROUNDMASS						
plagioclase	35	40	0.3-1	An 64	subhedral	very elongate laths, only slightly altered
clinopyroxene	30	38	0.4-0.6		subhedral to euhedral	prismatic, sometimes intergrown with plagioclase; slightly altered to chlorite
olivine	0	10	~0.5		subhedral	totally replaced by chlorite
SECONDARY MINERALOGY						
	PERCENT	REPLACING/ FILLING				COMMENTS
clay	5	plagioclase				
chlorite	18	clinopyroxene, olivine				
VESICLES/ CAVITIES						
Vesicles	0					non vesicular
veins	0					

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131-808C-106R-02 (Piece 5,60-64 cm) OBSERVER: SIE WHERE SAMPLED:

ROCK NAME: Plagioclase phyric basalt

GRAIN SIZE: medium-fine grained

TEXTURE: holocrystalline intergranular to subophitic

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
plagioclase	2	2	0.8-1	An 65	euhedral	tabular, fresh
GROUNDMASS						
plagioclase	40	48	0.3-0.7	An 60	subhedral	laths
clinopyroxene	30	30	~0.6		subhedral	prismatic or subequant
olivine	0	10	0.4		subhedral	totally replaced by alteration minerals
magnetite	6	6	~0.3		subhedral	sometimes cubic
SECONDARY MINERALOGY						
	PERCENT	REPLACING/ FILLING				COMMENTS
clay	8	plagioclase				
chlorite	8	olivine				
Fe-oxide	2	olivine				

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	0					
veins	5		~0.6	calcite, chlorite		zoned filling with calcite in the inner part and chlorite at the borders

COMMENTS: very little (<1%) devitrified and altered glass

131-808C-107R-01 (Piece 3B,28-31 cm) OBSERVER: SIE WHERE SAMPLED:

ROCK NAME: Aphyric basalt

GRAIN SIZE: very fine grained

TEXTURE: intersertal divergent

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
plagioclase	30	30	up to 0.8	An 68-70	subhedral to euhedral	laths often radiating or branching, fresh
clinopyroxene	35	36	0.6-0.8		subhedral	elongate prisms sometimes skeletal
olivine	0	10	~0.3		subhedral to anhedral	totally replaced by serpentine and chlorite
SECONDARY MINERALOGY						
	PERCENT	REPLACING/ FILLING				COMMENTS
calcite	2	vesicles				
serpentine	8	olivine				
smectite	8	glass				
chlorite	5	glass, clinopyroxene, olivine				

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	2	random	up to 0.3	calcite and minor chlorite and smectite	spherical	often spherulitic filling
veins	10		0.1-0.3			very often cross cutting each other

COMMENTS: 10% glass partly devitrified and altered to smectite and chlorite

131-808C-107R-01 (Piece 6,104-128 cm) OBSERVER: SIE WHERE SAMPLED:

ROCK NAME: Plagioclase phyric basalt

GRAIN SIZE: very fine grained

TEXTURE: hypocrySTALLINE, intersertal divergent

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
plagioclase	2	2	2	An 70	euhedral	fresh, with inclusions of groundmass
GROUNDMASS						
plagioclase	20	20	0.1-0.3	nd	subhedral	needle-like, skeletal H-shaped, often radiating
clinopyroxene	15	18	~0.3		anhedral	subequant or skeletal
olivine	0	2	0.05		subhedral	totally replaced by chlorite and Fe-oxide
oxide	3	3	0.01-0.03		subhedral to anhedral	sometimes in aggregates
SECONDARY MINERALOGY						
	PERCENT	REPLACING/ FILLING				COMMENTS
chlorite	7	clinopyroxene, olivine				
Fe-oxide	1	olivine				
smectite	1	vesicles				
calcite	4	veins				
VESICLES/CAVITIES						
	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	1	sparse	0.02	smectite, chlorite	spherical	
veins	7		~0.5	fibrous calcite or chlorite		the thinnest are filled with altered glass or microcrystalline calcite

COMMENTS: abundant (40%) glassy mesostasis patchy devitrified

131-808C-108R-01 (Piece 1B,6-12 cm) OBSERVER: SIE WHERE SAMPLED: matrix-rich part of the piece

ROCK NAME: Aphyric basaltic breccia

GRAIN SIZE: very fine grained

TEXTURE: brecciated: basaltic fragments hypocrySTALLINE hyalopilitic

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
plagioclase	15	25	0.1-0.6	An 54 (or more)	subhedral to euhedral	needle-like, skeletal H-shaped, often radiating; only few determinations of An content
clinopyroxene	0	10	0.05-0.1		subhedral to anhedral	totally pseudomorphed by calcite
olivine	0	10	0.05-0.07		subhedral to anhedral	totally pseudomorphed by calcite
SECONDARY MINERALOGY						
	PERCENT	REPLACING/ FILLING				COMMENTS
calcite	33	plagioclase, mafic minerals, vesicles				
smectite	31	mesostasis, vesicles				
chlorite	21	mesostasis, vesicles				
VESICLES/CAVITIES						
	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	
Vesicles	5	throughout	0.1-0.2	chlorite, smectite, calcite	rounded	

COMMENTS: 50% glassy mesostasis almost all devitrified and altered to smectite and chlorite (in rock fragments). Matrix is constituted by calcite, that veins variolitic and/or spherulitic glass; sometimes plagioclase microlites are nuclei of varioles. Varioles are lobated and up to 0.5 mm long. Glass is almost all devitrified but fresh (only minor oxidized patches). May be the upper brecciated part of a pillow

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131-808C-108R-01 (Piece 1B,12-15 cm) OBSERVER: SIE WHERE SAMPLED: large rock fragment in the breccia
 ROCK NAME: Aphyric to olivine-plagioclase phyrlic basalt
 GRAIN SIZE: fine grained (not uniformly crystallized)
 TEXTURE: intersertal divergent

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS	
PHENOCRYSTS							
plagioclase	0.5	1	0.4-0.9	nd	subhedral to euhedral	elongate tablets	
olivine	0	1	0.6-0.8		subhedral	totally pseudomorphed	
GROUNDMASS							
plagioclase	45	50	0.3-0.8	An 60	subhedral	sometimes skeletal H-shaped, radiating or branching	
olivine	0	5	~0.03		anhedral to subhedral	subequant and totally pseudomorphed by carbonate and chlorite	
clinopyroxene	0	5	~0.3		anhedral	as olivine	
SECONDARY MINERALOGY							
	PERCENT	REPLACING/ FILLING				COMMENTS	
calcite	5.5	plagioclase, olivine, clinopyroxene					
chlorite	15.5	olivine, clinopyroxene, mesostasis					
Fe-oxide	0.5	olivine					
clay	5	plagioclase					
smectite	10	mesostasis					
VESICLES/CAVITIES							
	PERCENT	LOCATION	SIZE (mm)		FILLING	SHAPE	COMMENTS
Vesicles	0						non vesicular

COMMENTS: 30% glass almost totally devitrified (variolitic texture: 3% varioles, 0.3 mm), slightly altered to smectite and chlorite.

131-808C-108R-01 (Piece 10,63-66 cm) OBSERVER: SIE WHERE SAMPLED: pillow interior
 ROCK NAME: Aphyric basalt
 GRAIN SIZE: fine to medium grained
 TEXTURE: intergranular, locally intersertal

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS	
plagioclase	40	45	0.2-1	An 68	subhedral	elongate laths often radiating	
clinopyroxene	20	25	0.3-0.7		anhedral	prismatic skeletal, more rarely subequant, slightly replaced by calcite	
olivine	0	10	0.2-0.3		subhedral	totally replaced	
oxide	5	5	0.2-0.4		anhedral	small aggregates	
SECONDARY MINERALOGY							
	PERCENT	REPLACING/ FILLING				COMMENTS	
clay	5	plagioclase					
calcite	15	clinopyroxene, olivine, veins					
serpentine	2	olivine					
Fe-oxide	4	olivine, glass					
iddingsite	3	olivine					
smectite	7	mesostasis, veins					
VESICLES/CAVITIES							
	PERCENT	LOCATION	SIZE (mm)		FILLING	SHAPE	COMMENTS
Vesicles	0						
veins	10		0.7-1		calcite, smectite		filled with medium grained calcite and a film of smectite on the walls

COMMENTS: 5% glassy mesostasis totally devitrified and altered to brownish smectite and oxide.

131-808C-108R-01 (Piece 19,118-121 cm) OBSERVER: SIE WHERE SAMPLED: pillow bottom (?)

ROCK NAME: Plagioclase phyric basalt

GRAIN SIZE: very fine grained

TEXTURE: intersertal divergent

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
plagioclase	3	6	0.5-0.8	An 80	subhedral	strongly zoned; cores sometimes totally replaced by calcite, sericite, epidote; rims fresh
GROUNDMASS						
plagioclase	25	30	0.3-0.7	An 57	subhedral	acicular, skeletal H-shaped columnar skeletal, often grown perpendicular plagioclase surface totally pseudomorphed by iddingsite, calcite, chlorite fine aggregates
clinopyroxene	20	30	~0.4		subhedral to anhedral	
olivine	0	10	0.2-0.3		anhedral	
oxide	3	3	0.01		subequant	
SECONDARY MINERALOGY						
	PERCENT	REPLACING/FILLING				COMMENTS
sericite	3	plagioclase				
epidote	3	plagioclase				
calcite	7	plagioclase, olivine				
chlorite	13	clinopyroxene, olivine				
iddingsite	4	olivine				
smectite	7	mesostasis				

VESICLES/CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	0				

COMMENTS: 7% devitrified glass totally altered to smectite