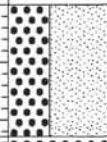



126 788A 1R NO RECOVERY

126 788A 2R NO RECOVERY

126 788A 3R NO RECOVERY

SITE 788 HOLE A CORE 4R CORED INTERVAL 26.2-35.8 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										
QUATERNARY														
	CN15	R/F-M	B					1	0.5					
								1.0						<p>PUMICEOUS PEBBLY VITRIC SAND and VITRIC SAND</p> <p>Major lithology: Olive gray (5Y 4/1) to light olive gray (5Y 5/2) PUMICEOUS PEBBLY VITRIC SAND (maximum clast size = 10 cm) grading upward into fine VITRIC SAND. Lithic clasts exceed crystals in both abundance and size. Lithics are dominated by white pumice, black glass, brown glass, and scoria. Crystals include (in order of decreasing abundance) plagioclase, quartz, and green pyroxene.</p> <p>The entire core is soupy.</p>

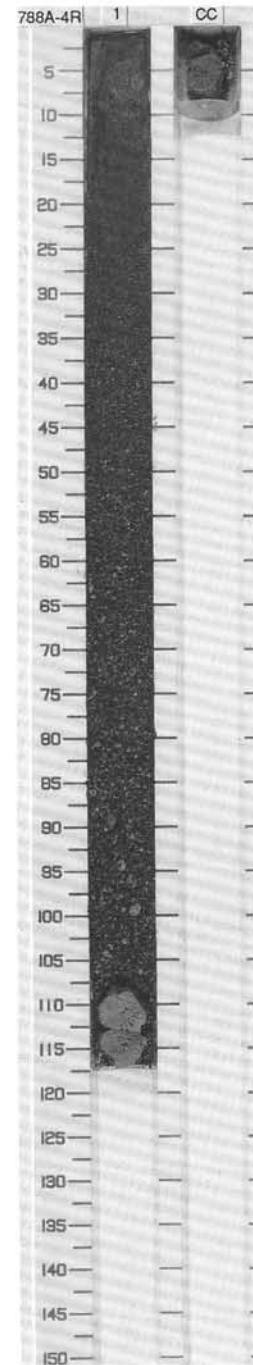
126 788A 5R NO RECOVERY

126 788B 1R NO RECOVERY

126 788B 2R NO RECOVERY

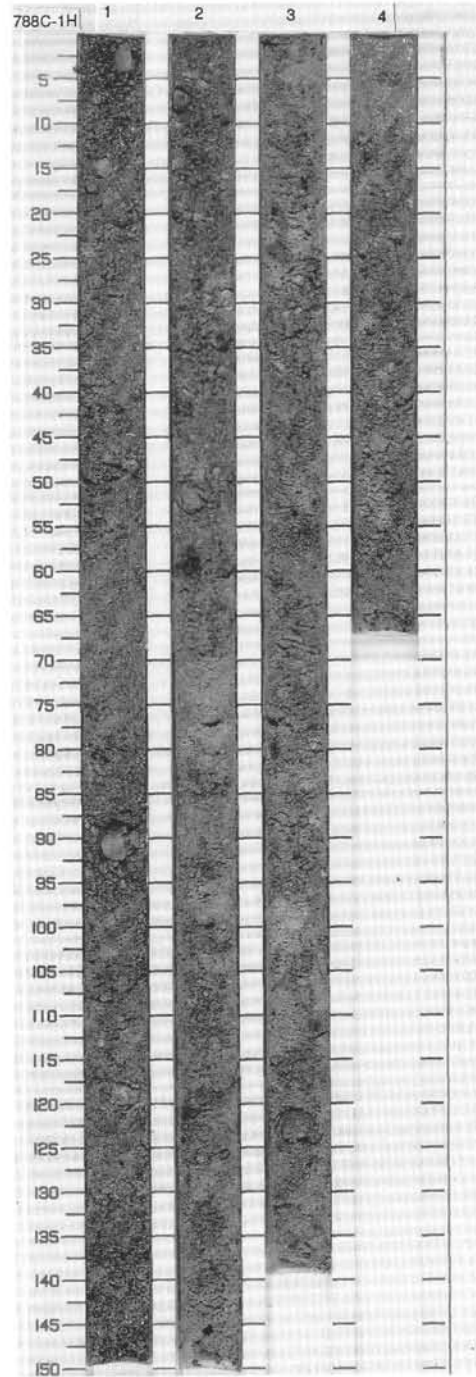
126 788B 3R NO RECOVERY

126 788B 4R NO RECOVERY

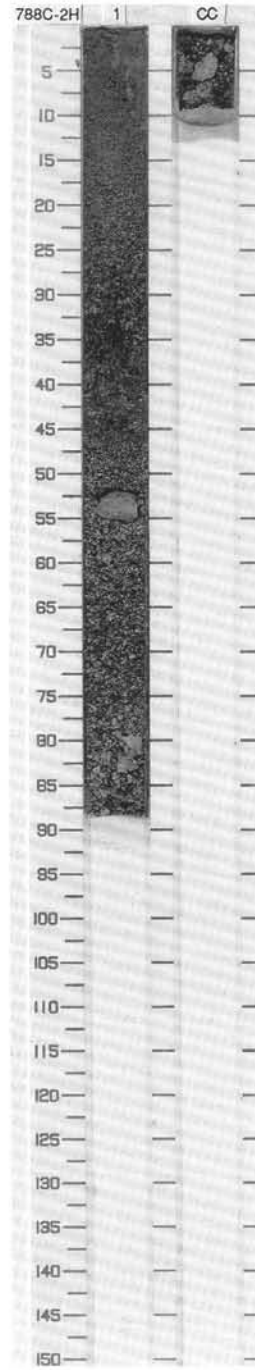


SITE 788 HOLE C CORE 1H CORED INTERVAL 4.0-13.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
QUATERNARY?		1	0.5	[Pattern]				<p>PUMICEOUS PEBBLE-BEARING GRANULE GRAVEL AND PUMICEOUS GRANULE GRAVEL</p> <p>Major lithologies: Olive gray (5Y 4/2), olive (5Y 5/3), light olive gray (5Y 5/2), and light gray (5Y 7/1) PUMICEOUS PEBBLE BEARING GRANULE GRAVEL and PUMICEOUS GRANULE GRAVEL with isolated yellow-stained (10YR 6/8) pumice pebbles in Section 1, 80 and 90 cm, and isolated black (N2) pebbles in Section 2, 120 cm and Section 3, 16 and 20 cm.</p> <p>Minor lithologies: Section 1, 16-88 cm and Section 4, 58-67 cm are olive (5Y 5/3) PUMICEOUS PEBBLE-BEARING SILTY GRANULE GRAVEL, and Section 1, 88-97 is olive (5Y 4/3) PUMICEOUS PEBBLE GRAVEL.</p> <p>Drilling disturbance is moderate throughout.</p>
		2	1.0	[Pattern]				
		3	0.5	[Pattern]				
		4	0.5	[Pattern]				
		CHEMISTRY		● %CaCO ₃ = 0.5 ● %SiO ₂ = 1.7 ● %Fe ₂ O ₃ = 0.7				
		PALEOMAGNETICS						
		PHYS. PROPERTIES						
		R/G						
		B						

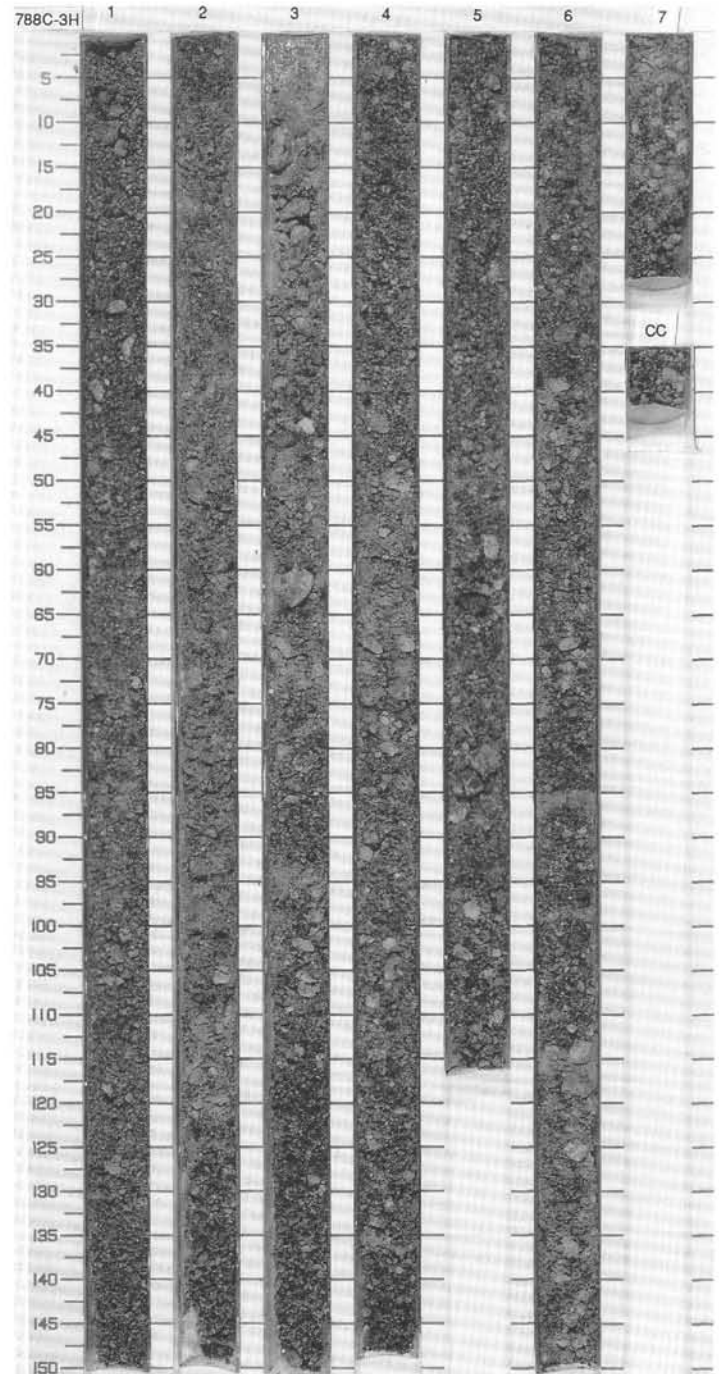


TIME-ROCK UNIT	BIOSTRAT. ZONE / FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIFATOMS										
								1	0.5					<p>PUMICEOUS PEBBLE-BEARING GRANULE GRAVEL AND VITRIC SAND</p> <p>Major lithologies: Olive (5Y 4/3) PUMICEOUS PEBBLE-BEARING GRANULE GRAVEL constitutes the lowermost 64% of the core. Olive (5Y 4/3) VITRIC SAND, normally graded from coarse-grained to fine-grained, comprises the uppermost 26% of the core (0-26 cm).</p> <p>Minor lithology: The interval in Section 1, 26-36 cm, consists of black (5Y 3/2) PUMICEOUS PEBBLE GRAVEL.</p> <p>The core is moderately to very disturbed by drilling.</p>

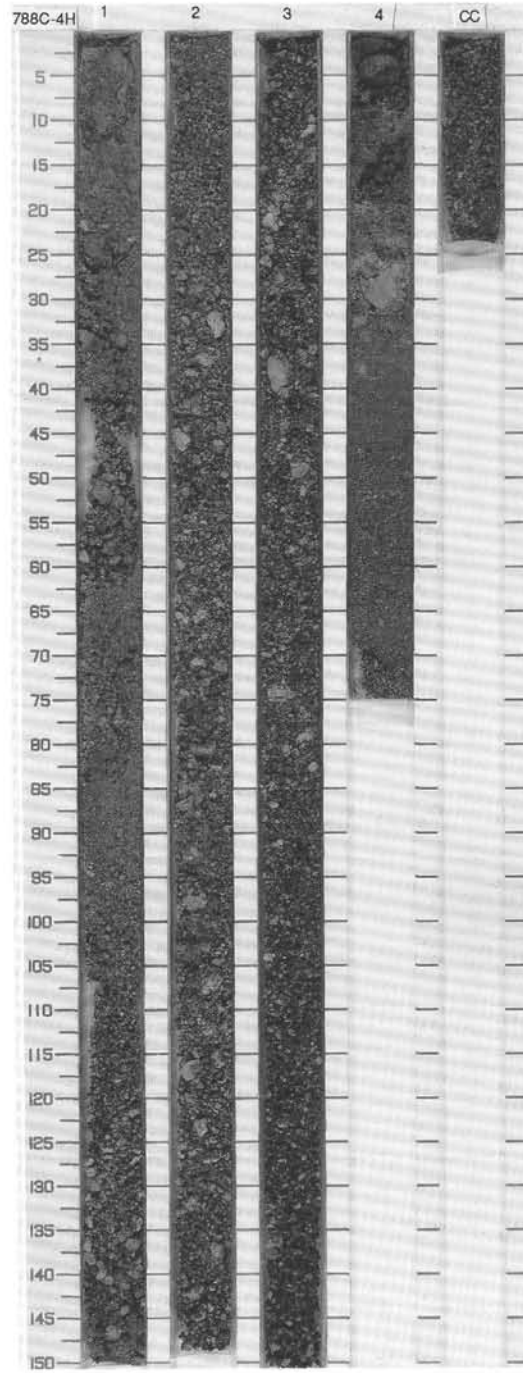


SITE 788 HOLE C CORE 3H CORED INTERVAL 20.2-29.7 mbsf

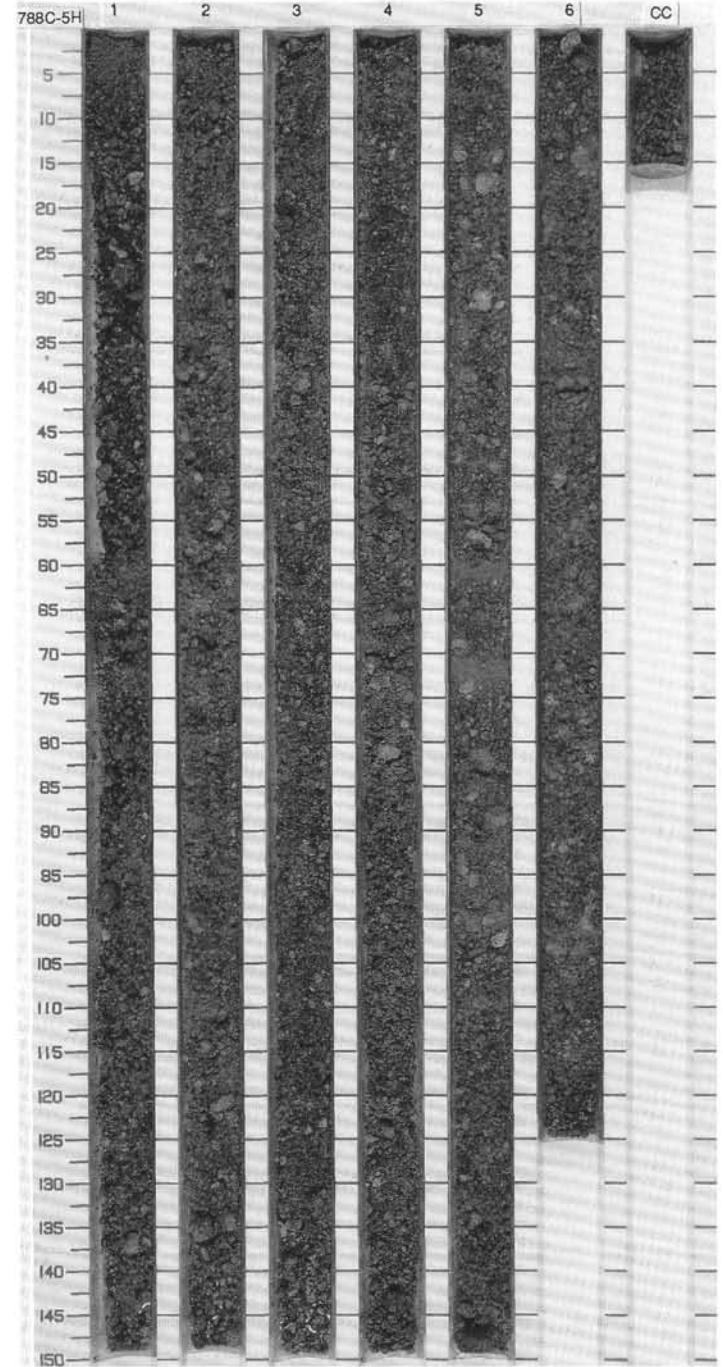
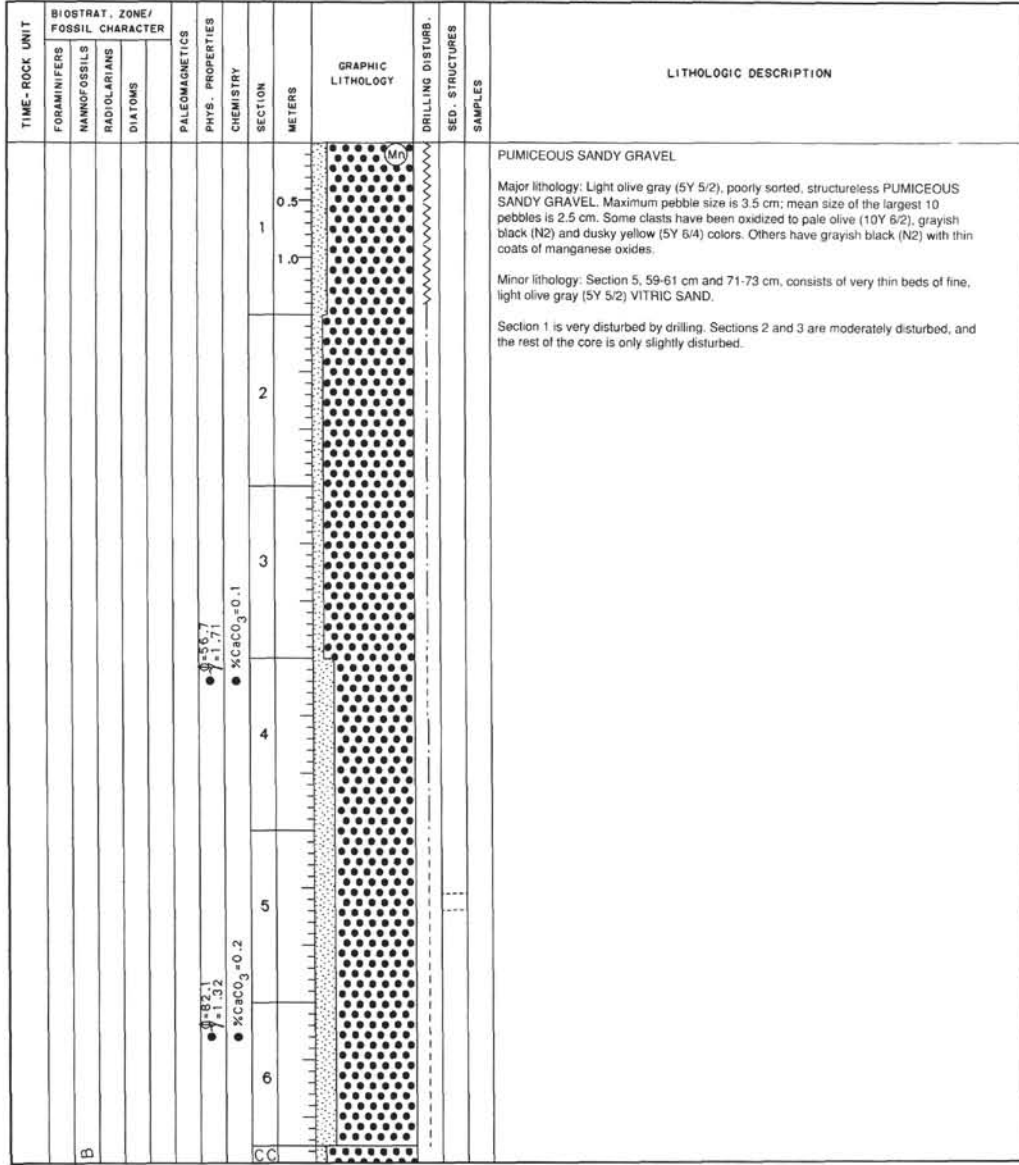
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION														
	FORAMINIFERS NANNOFOSSELS RADIOLARIANS DIATOMS		<p>0-68.0 1-1.52</p> <p>● %CaCO₃ 0.4</p>	1 2 3 4 5 6 1					<p>PUMICEOUS GRANULE-PEBBLE SANDY GRAVEL</p> <p>Major lithology: Olive gray (5Y 4/2), gray (10YR 5/1) and (5Y 5/1), structureless PUMICEOUS GRANULE-PEBBLE SANDY GRAVEL with a maximum clast size of 5.5 cm and a mean size of 3.9 cm for the 10 largest clasts. Some pebbles are black (N1), others are oxidized to yellowish brown (10YR 5/8).</p> <p>Drilling has left most of the core moderately disturbed, but parts of Sections 2, 3 and 4 are very disturbed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table> <tr> <td></td> <td>6.86</td> </tr> <tr> <td>M</td> <td></td> </tr> </table> <p>TEXTURE:</p> <table> <tr> <td>Sand</td> <td>15</td> </tr> <tr> <td>Silt</td> <td>85</td> </tr> </table> <p>COMPOSITION:</p> <table> <tr> <td>Accessory minerals</td> <td>Tr</td> </tr> <tr> <td>Feldspar</td> <td>3</td> </tr> <tr> <td>Glass</td> <td>95</td> </tr> </table>		6.86	M		Sand	15	Silt	85	Accessory minerals	Tr	Feldspar	3	Glass	95
	6.86																						
M																							
Sand	15																						
Silt	85																						
Accessory minerals	Tr																						
Feldspar	3																						
Glass	95																						
							IW OG																
							A B	*															



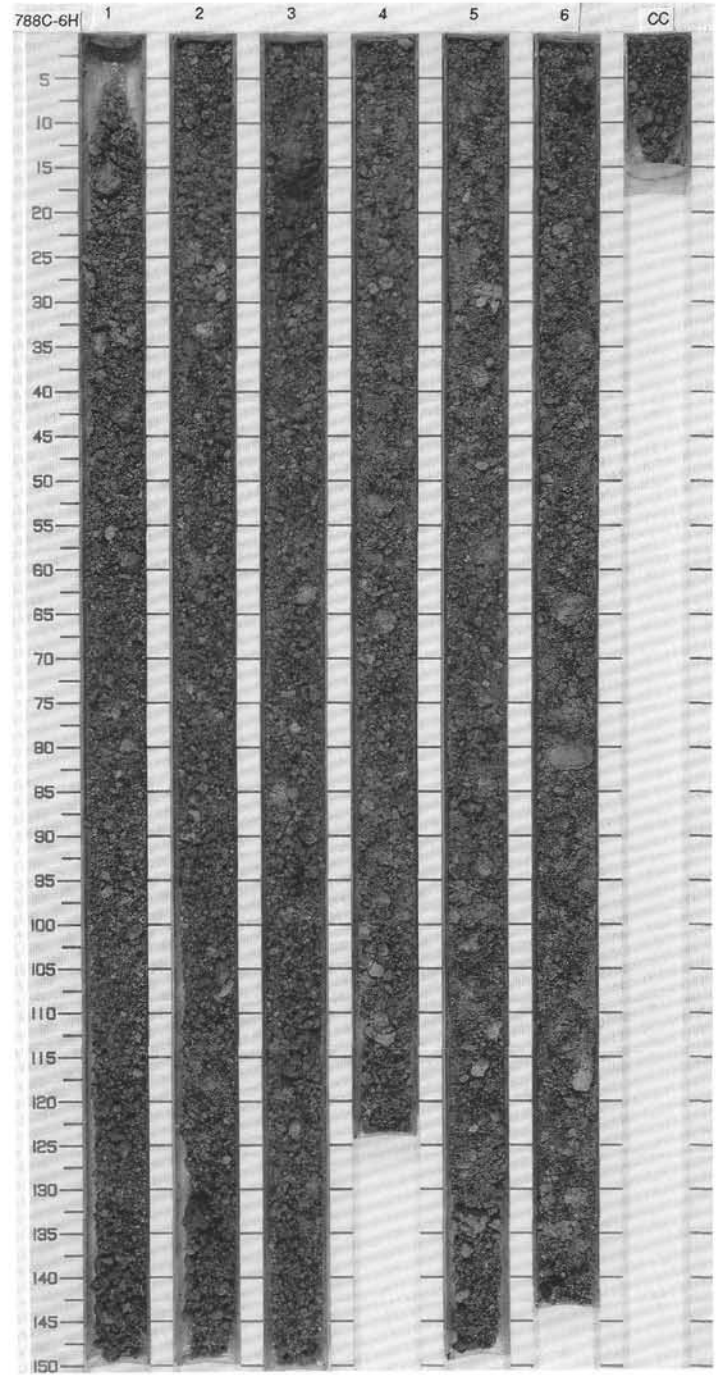
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAANOFOSSILS	RADIOLARIANS	DIATOMS										
PLIOCENE														<p>PUMICEOUS GRAVEL AND PUMICEOUS PEBBLY VITRIC SAND</p> <p>Major lithologies: Sediment ranges from PUMICEOUS GRAVEL to PUMICEOUS PEBBLY VITRIC SAND. Maximum diameter of pebbles is 4 cm. Pumice clasts are dominant. Prevalent color is light gray (N7); some grayish orange (10YR 7/4) oxidized clasts are present. The pumice is mixed with about 20-30% grayish black (N2) pebbles thinly coated with manganese oxides.</p> <p>Minor lithology: Section 4, 7-75 cm, consists of color-banded (moderate yellowish brown, 10YR 5/4; yellowish gray, 5Y 7/2; light olive gray, 5Y 5/2), locally pebbly, medium to fine, VITRIC SAND.</p> <p>Section 4, 20-76 cm, is a graded bed. Section 1 is very disturbed by drilling. The rest of the core is moderately disturbed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="margin-left: 20px;">4, 41 M</p> <p>TEXTURE:</p> <p>Sand 90 Silt 10</p> <p>COMPOSITION:</p> <p>Feldspar 10 Glass 85 Pyroxene 5</p>
B								0.5						
R/M	R/P-M	CN12?				0.65-7 -1.50		1						
B								2						
								3						
								4						
								CC						



SITE 788 HOLE C CORE 5H CORED INTERVAL 39.2-48.7 mbsf



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAKNOFOSSILS	RADIOLARIANS										
B								0.5					<p>PUMICEOUS SANDY GRAVEL</p> <p>Major lithology: Light olive gray (5Y 5/2), structureless PUMICEOUS SANDY GRAVEL. Maximum clast size is 6 cm, and the mean size of the 10 largest clasts is 4 cm. Pumice colors are mainly light gray (N7); some pumice is oxidized (dusky yellow; 5Y 6/4) and other grains have a grayish black (N2) surface coating of MnO₂.</p> <p>Drilling deformation is moderate throughout.</p>
B							1.0						
B								2.0					
							3.0						
								4.0					
							5.0						
								6.0					
							CC						

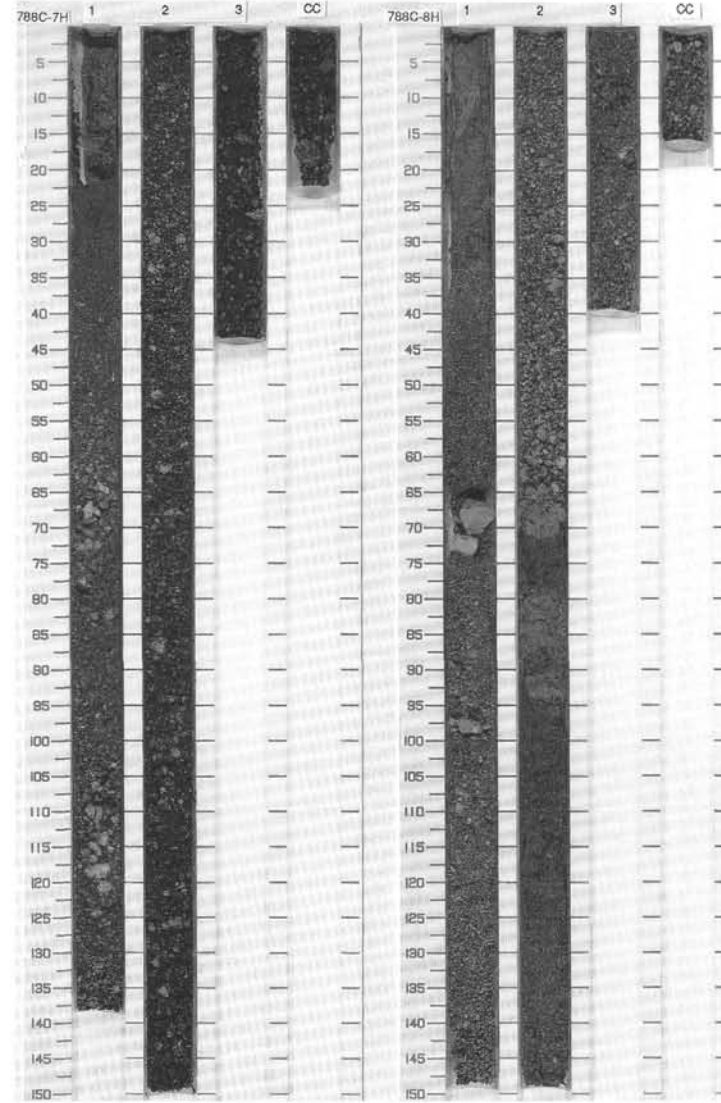


SITE 788 HOLE C CORE 7H CORED INTERVAL 58.2-67.7 mbsf

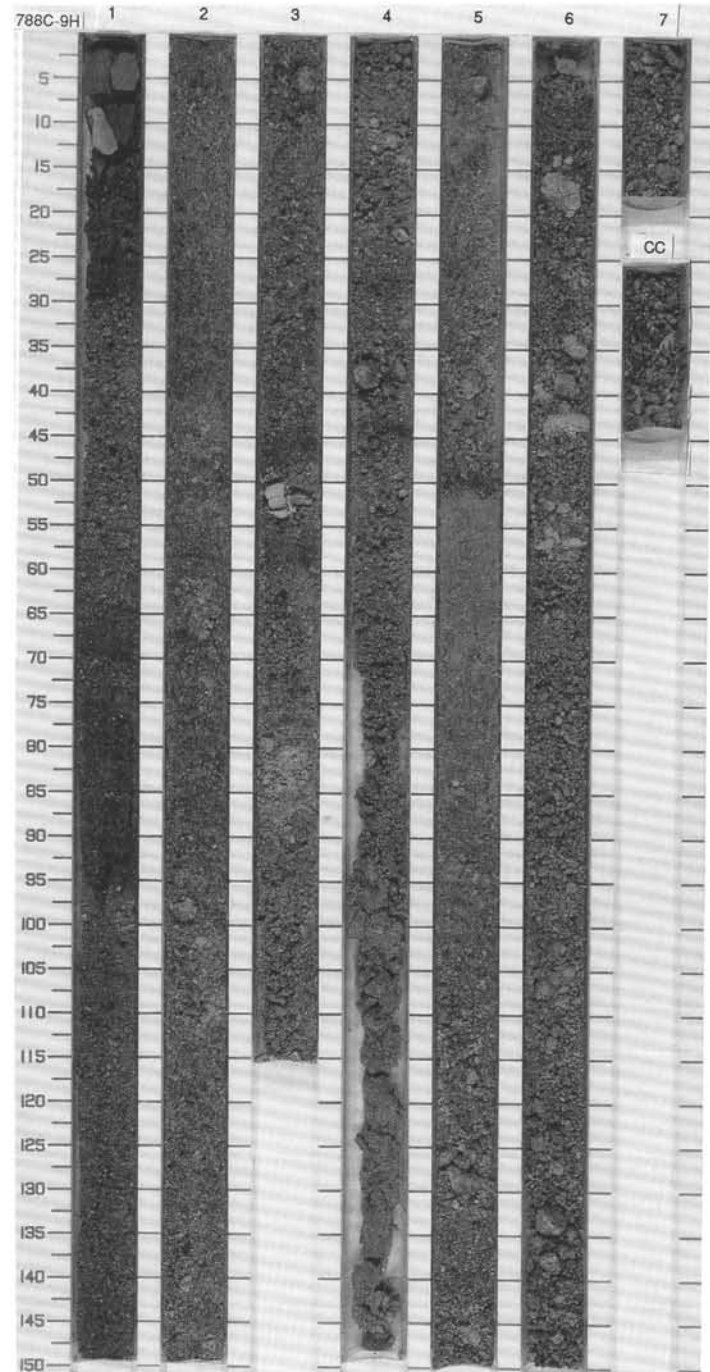
TIME - ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MAMMOFOSSILS	RADIOLARIANS									
								0.5 1.0	[Lithology symbols: stippled for sand, dotted for gravel]			<p>PUMICEOUS VITRIC SAND and PUMICEOUS SANDY GRAVEL</p> <p>Major lithology: Olive gray (5Y 4/1), very coarse to fine PUMICEOUS VITRIC SAND in Section 1, 0-52 cm. The rest of the core is olive black (5Y 2/1) and brownish black (5YR 2/1) PUMICEOUS SANDY GRAVEL, with a maximum clast of 4 cm and a mean size of 3.0 cm for the 10 largest pebbles. The black coloration comes from surface coatings of MnO₂ on the pumice grains.</p> <p>Drilling deformation is moderate throughout.</p>
					9-8-1.3 8-1.7 7-7.6 6-0.3 5-0.1	1-0.3 2-0.6 3-0.1						
							CC					

SITE 788 HOLE C CORE 8H CORED INTERVAL 67.7-77.2 mbsf

TIME - ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MAMMOFOSSILS	RADIOLARIANS									
								0.5 1.0	[Lithology symbols: stippled for sand, dotted for gravel]			<p>* PUMICEOUS PEBBLY GRANULE GRAVEL, PUMICEOUS GRANULE VITRIC SAND AND VITRIC SAND</p> <p>Major lithologies: Gray (5Y 6/1) and dark gray (5Y 4/1), structureless PUMICEOUS PEBBLY GRANULE GRAVEL and PUMICEOUS GRANULE VITRIC SAND. Maximum clast size (Section 1) is 5 cm, although most sediment is granules and <1 cm pebbles. Section 2 contains both medium dark gray (N4) and gray (5Y 6/1) VITRIC SAND with a horizon rich in pumice granules at Section 2, 78-80 cm.</p> <p>Below Section 2, 100 cm, the sediment is very disturbed by drilling. The rest of the core is moderately disturbed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="padding-left: 40px;">1, 6 D</p> <p>TEXTURE:</p> <p>Sand 80 Silt 20</p> <p>COMPOSITION:</p> <p>Feldspar 15 Glass 55 Opauques 10 Pyroxene 10 Quartz 10</p>
					8-88.2 7-1.64 6-4.8 5-0.1	1-0.1 2-0.1						
							CC					

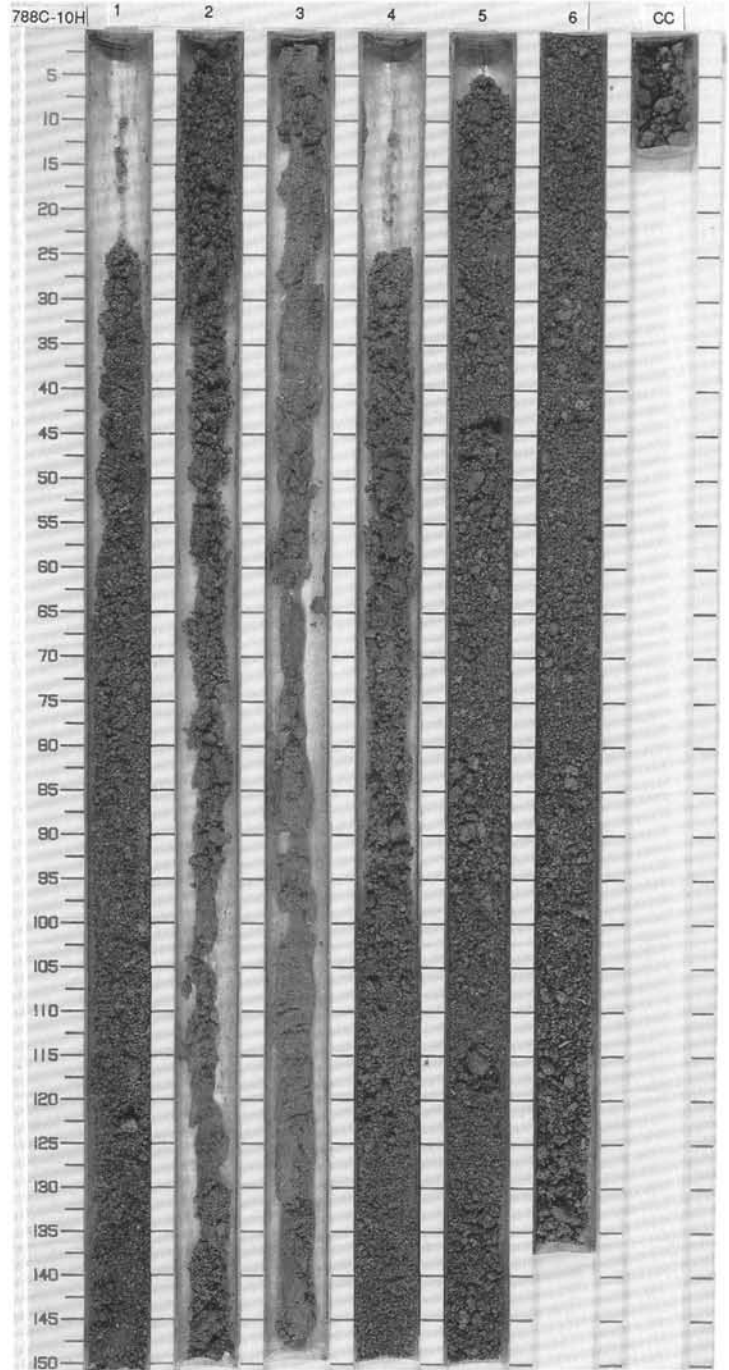


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION														
	FORAMINIFERS	NAUPOFOSSILS	RADIOLARIANS											DIATOMS													
B								0.5	[Stippled pattern]				<p>* PUMICEOUS SANDY GRAVEL, PUMICEOUS PEBBLY SAND AND VITRIC SAND</p> <p>Major lithologies: This core consists of an alternation of structureless lithologies: PUMICEOUS SANDY GRAVEL, PUMICEOUS PEBBLY SAND and VITRIC SAND. Colors are light olive gray (5Y 5/2), dark gray (5Y 4/1) and brownish black (5YR 2/1). Maximum clast size is 5.5 cm and the mean size of the 10 largest clasts is 4 cm.</p> <p>Minor lithology: Section 1, 0-13 cm, contains two 6 cm diameter clasts of unlossiferous, olive gray (5Y 3/2), laminated CLAYEY VITRIC SILTSTONE.</p> <p>Most sediment from the top of Section 2 to Section 5, 50 cm, is strongly disturbed or soupy. The rest of the core is moderately disturbed by drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td>1.4</td></tr> <tr><td>M</td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Silt</td><td>60</td></tr> <tr><td>Clay</td><td>40</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Clay</td><td>35</td></tr> <tr><td>Feldspar</td><td>3</td></tr> <tr><td>Glass</td><td>60</td></tr> <tr><td>Quartz</td><td>2</td></tr> </table>	1.4	M	Silt	60	Clay	40	Clay	35	Feldspar	3	Glass	60	Quartz	2
1.4																											
M																											
Silt	60																										
Clay	40																										
Clay	35																										
Feldspar	3																										
Glass	60																										
Quartz	2																										
B							1.0	[Stippled pattern]																			
							2.0	[Dotted pattern]																			
							3.0	[Dotted pattern]																			
							4.0	[Dotted pattern]																			
							5.0	[Dotted pattern]																			
							6.0	[Dotted pattern]																			
							7.0	[Dotted pattern]																			
							CC	[Dotted pattern]																			

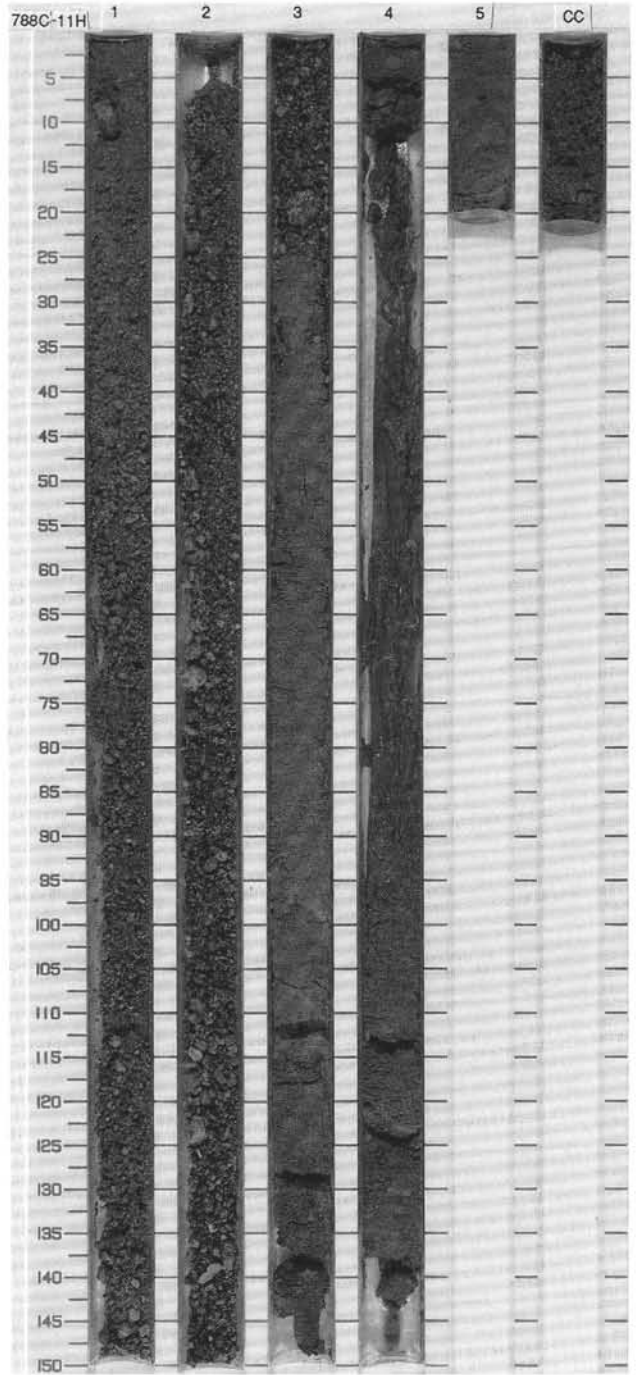
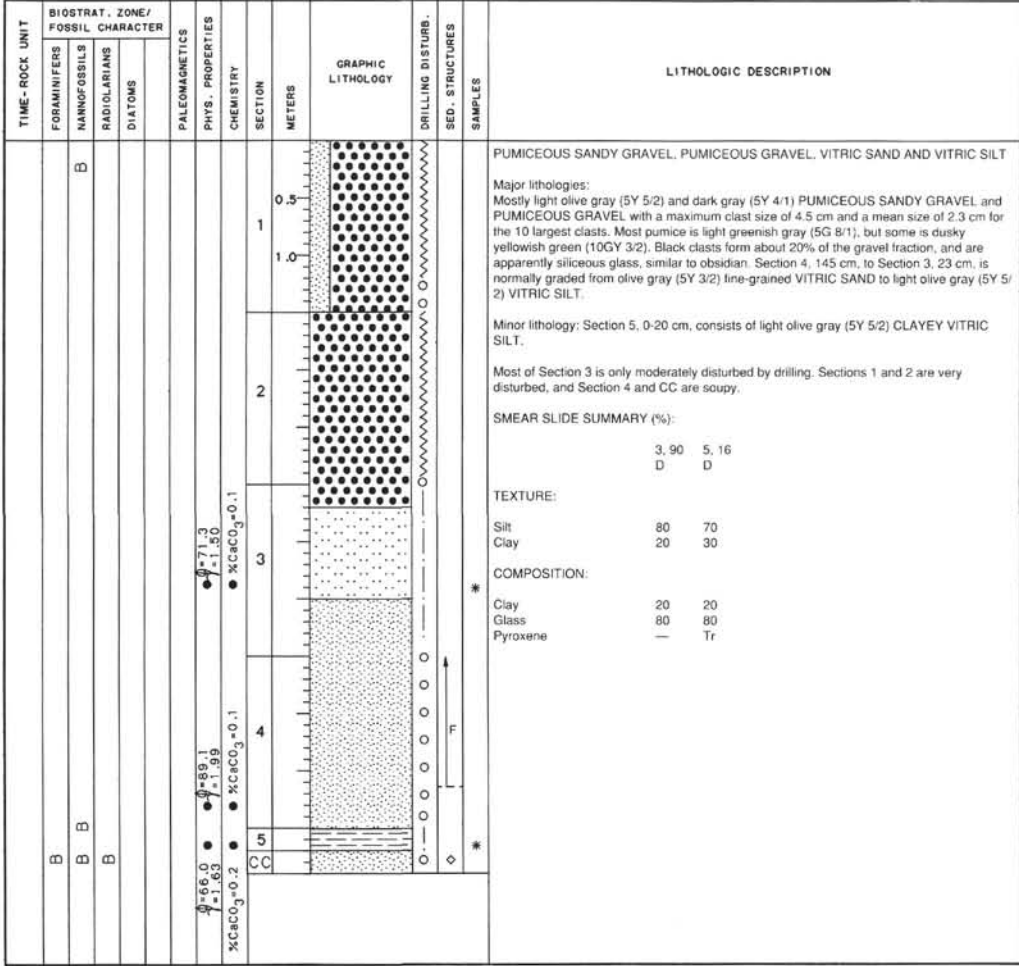


SITE 788 HOLE C CORE 10H CORED INTERVAL 86.7-96.2 mbsf

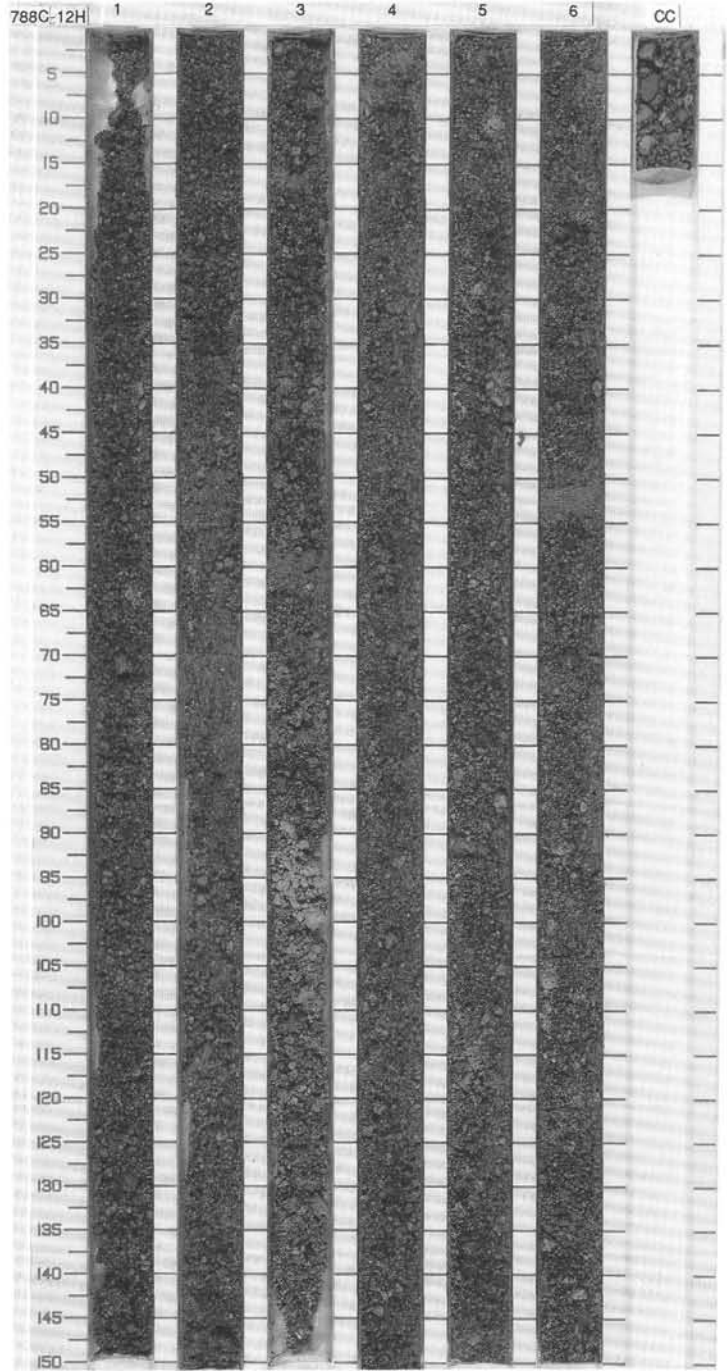
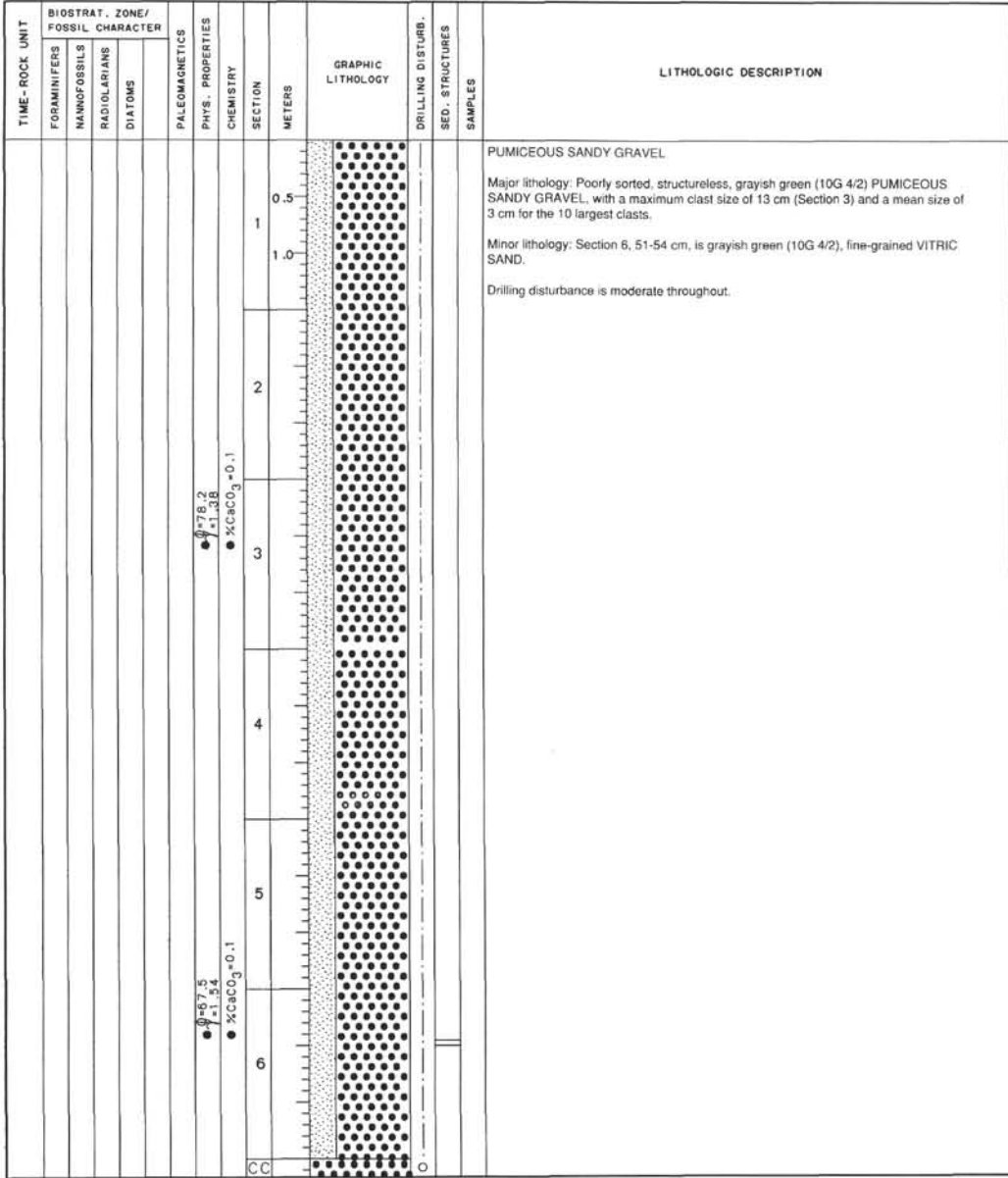
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	MAMMOFOSSILS	RADIOLARIANS	DIATOMS									
B								0.5	[Pattern: Dotted]				<p>PUMICEOUS SANDY GRAVEL AND VITRIC SAND</p> <p>Major lithologies: Light olive gray (5Y 5/2), structureless PUMICEOUS SANDY GRAVEL with maximum clast size of 4 cm and mean size of 1.5 cm for the 10 largest pebbles. Most of the pumice is gray (5Y 6/1) and light gray (N7). Grayish orange pink (10R 8/2) pumice is rare. Section 3 consists of soupy VITRIC SAND.</p> <p>Most of the core is very disturbed or soupy. Only Section 5, 50 cm, to Section 6, 100 cm, is moderately disturbed by drilling.</p>
B							1.0	[Pattern: Dotted]					
							2.0	[Pattern: Dotted]					
							3.0	[Pattern: Dotted]					
							4.0	[Pattern: Dotted]					
							5.0	[Pattern: Dotted]					
							6.0	[Pattern: Dotted]					

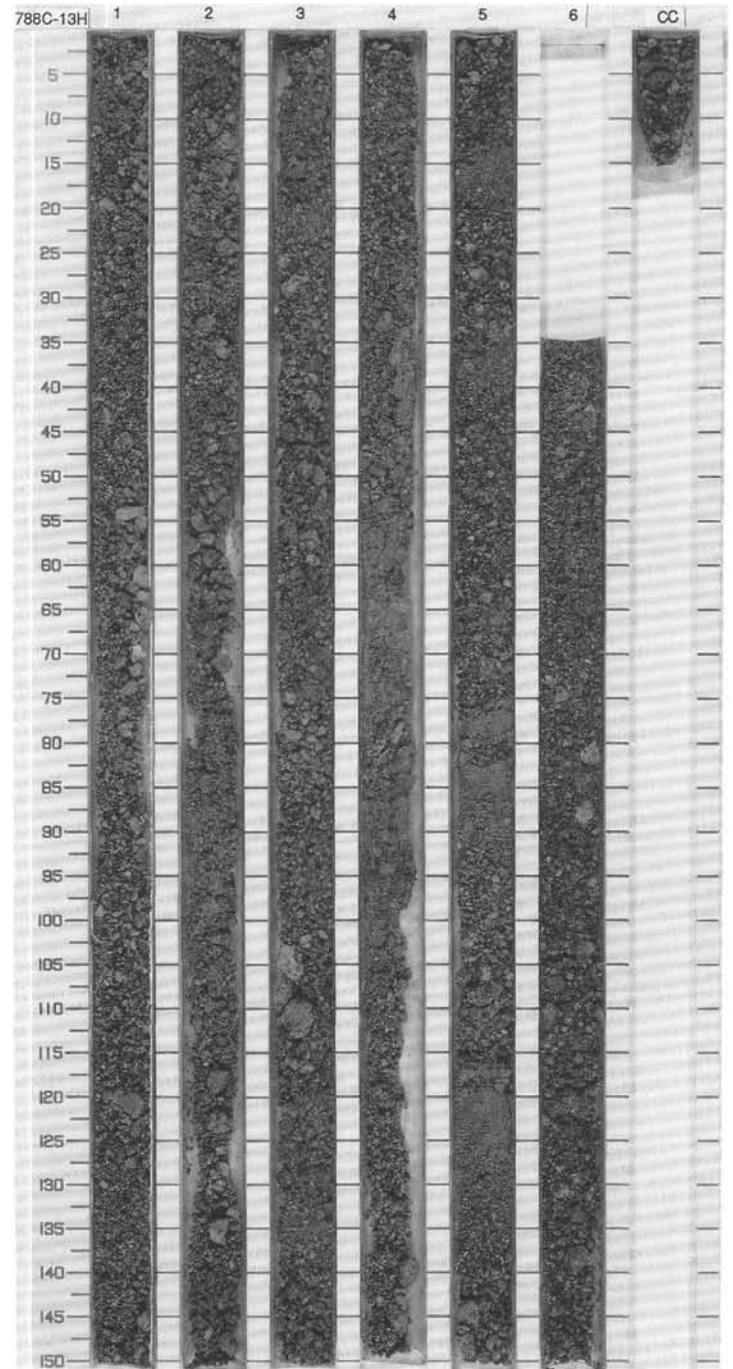
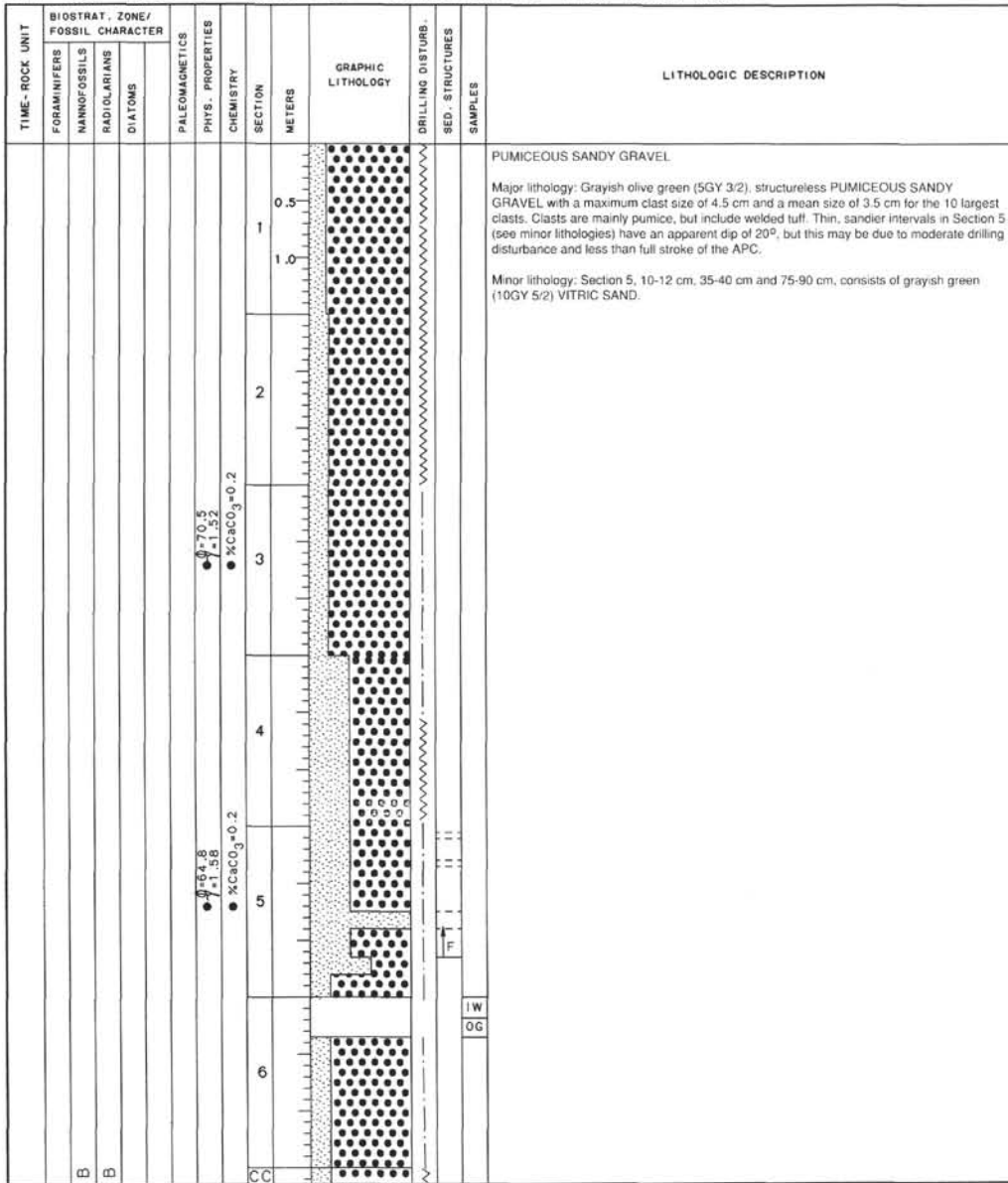


SITE 788 HOLE C CORE 11H CORED INTERVAL 96.2-105.7 mbsf



SITE 788 HOLE C CORE 12H CORED INTERVAL 105.7-115.2 mbsf



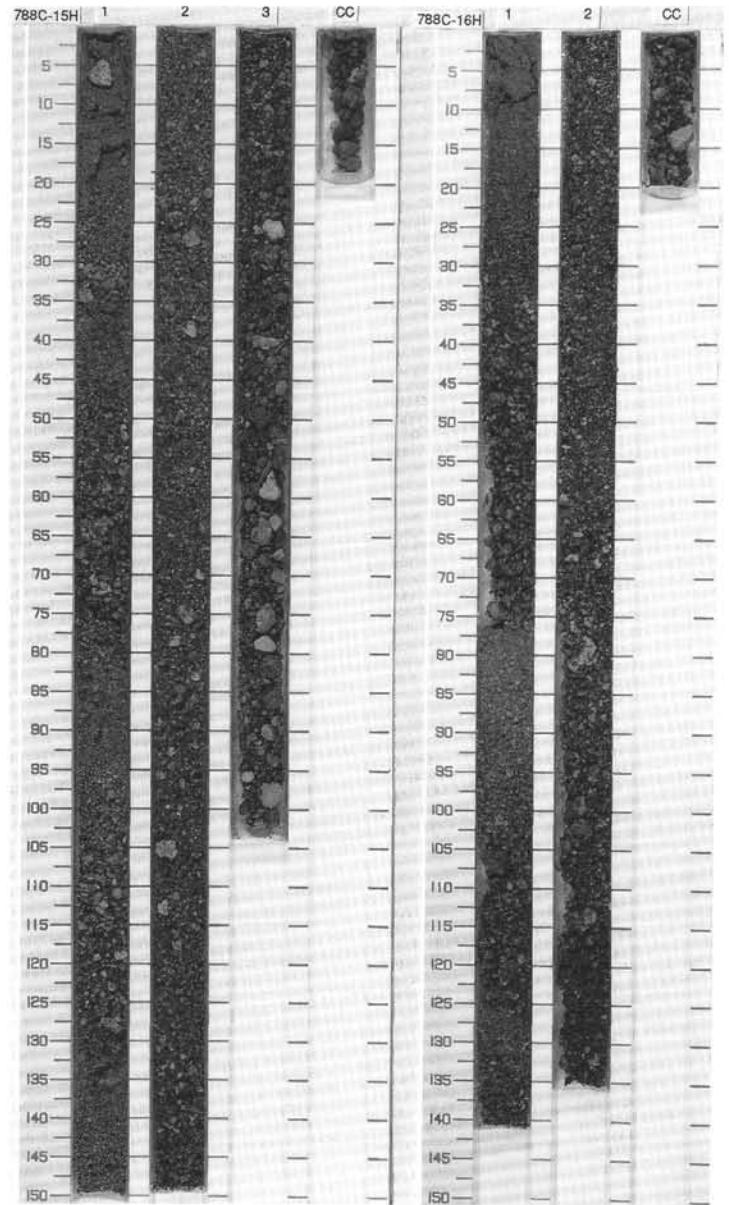


SITE 788 HOLE C CORE 15H CORED INTERVAL 134.2-143.7 mbsf

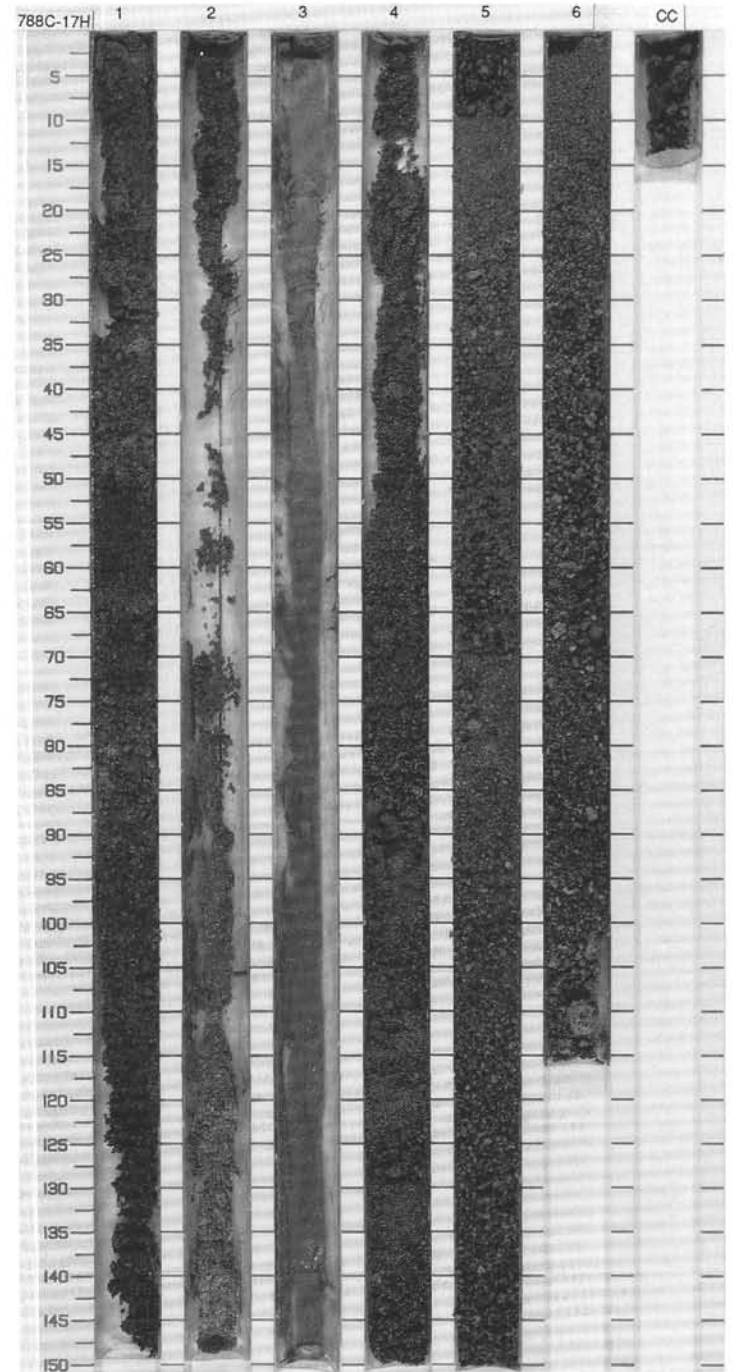
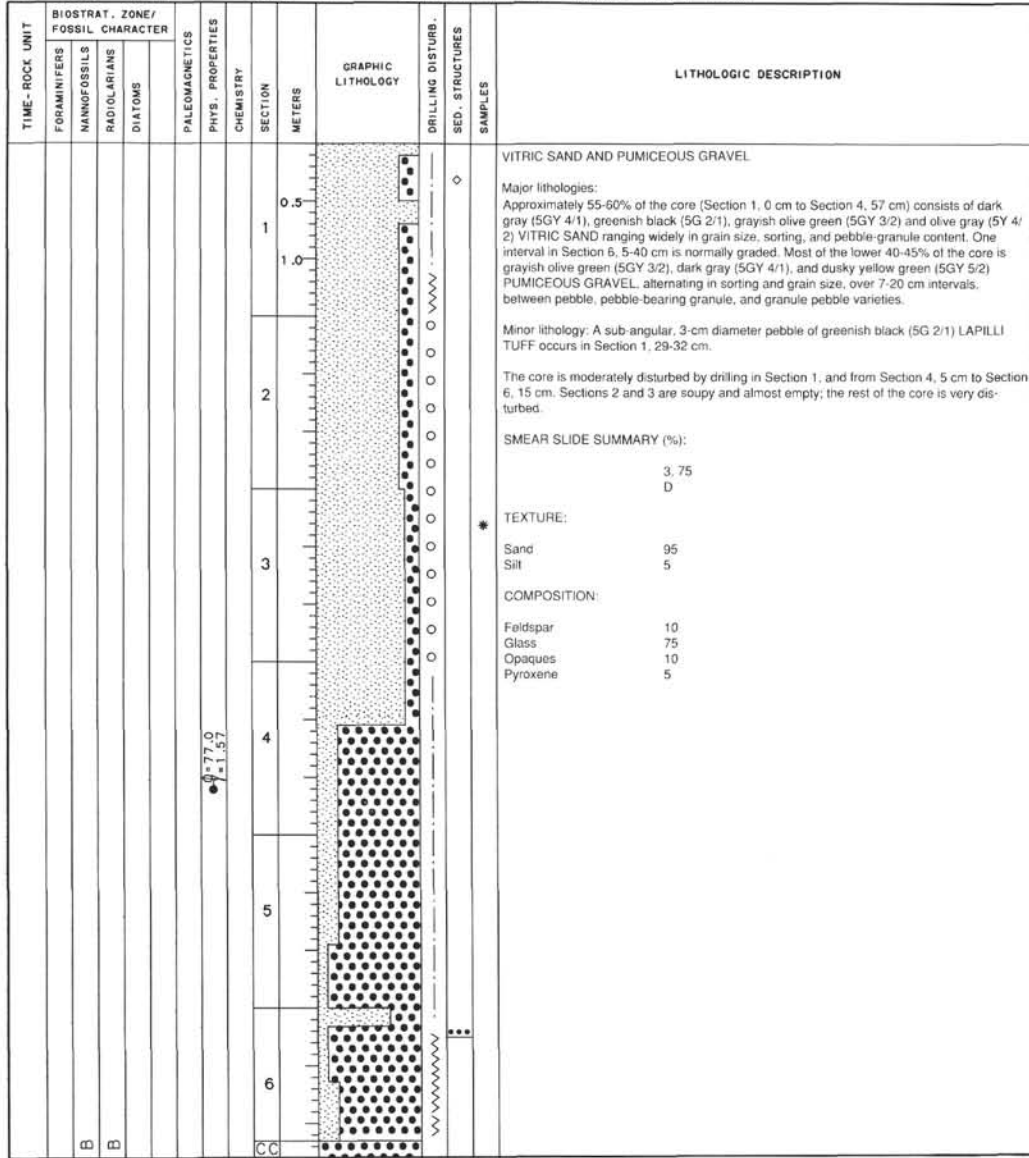
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS										
	B						1	0.5	[Pattern]				<p>PUMICEOUS SANDY GRAVEL, PUMICEOUS GRAVEL AND PUMICEOUS SAND</p> <p>Major lithologies: Most of the core consists of olive black (5Y 2/1) to dark gray (5Y 4/1), structureless PUMICEOUS SANDY GRAVEL and PUMICEOUS GRAVEL. Clasts are subangular and consist of a variety of lithologies: very light gray (N8), greenish gray (5GY 6/1) and dark greenish gray (5GY 4/1) pumice, greenish black (5GY 2/1) pumiceous breccia (conglomerate), and black (N1) andesite. Section 1, 0-22 cm and 132-150 cm, consists of dark gray (5Y 4/1) and olive black (5Y 2/1), structureless PUMICEOUS SAND. A pumice clast in Section 1, 2-6 cm is dark greenish yellow.</p> <p>Drilling disturbance is moderate throughout.</p>
	B						2	1.0	[Pattern]				
							3		[Pattern]				
							CC		[Pattern]				

SITE 788 HOLE C CORE 16H CORED INTERVAL 143.7-153.2 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										
	B						1	0.5	[Pattern]				<p>PUMICEOUS SANDY GRAVEL</p> <p>Major lithology: Grayish green (5G 5/2), structureless PUMICEOUS GRAVEL with a maximum clast size of 5 cm and a mean size of 3 cm for the 10 largest clasts. The overall color of the sediment is caused by a dusky green (5G 3/2) stain on the surface of many of the pumice clasts.</p> <p>Minor lithology: Section 1, 0-32 cm, consists of a fining-upward bed of very coarse to medium-grained PUMICEOUS SAND.</p> <p>The core is very disturbed by drilling.</p>
	B						2	1.0	[Pattern]				
							CC		[Pattern]				



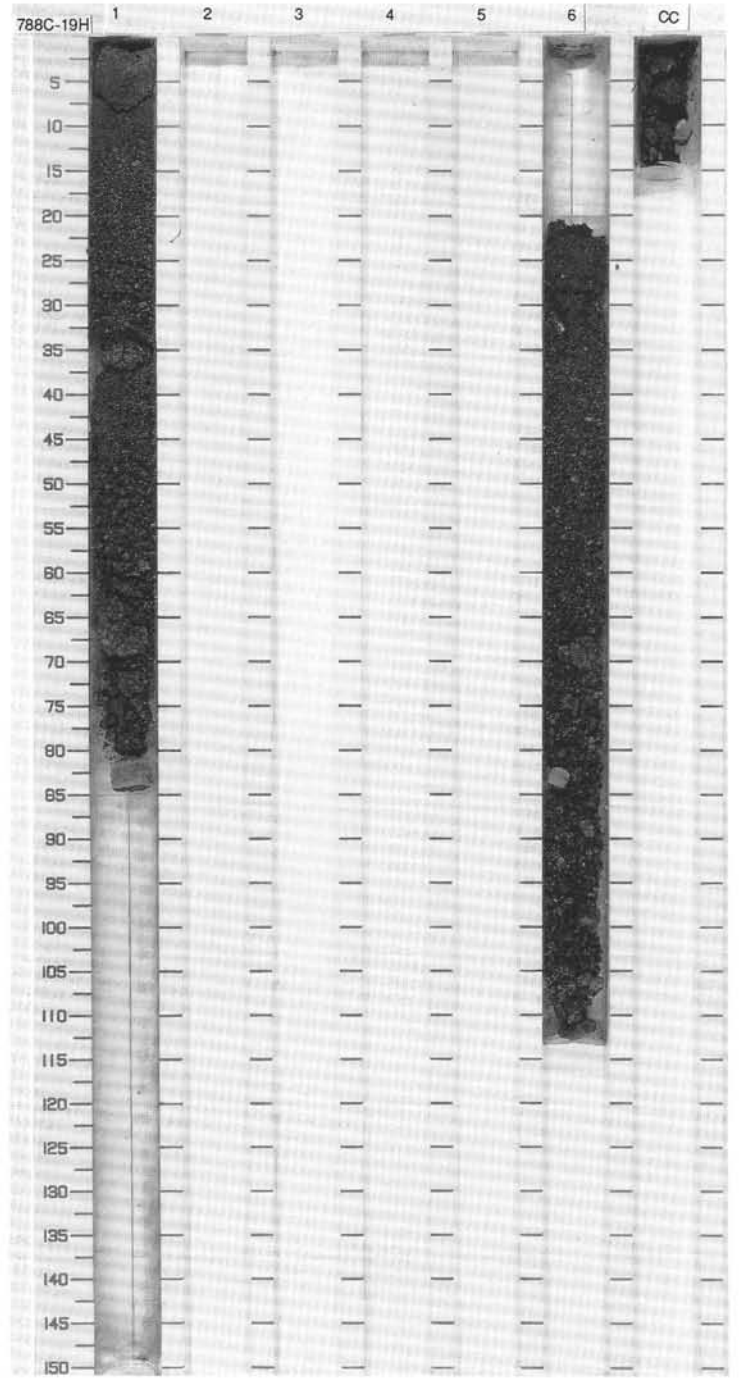
SITE 788 HOLE C CORE 17H CORED INTERVAL 153.2-163.7 mbsf

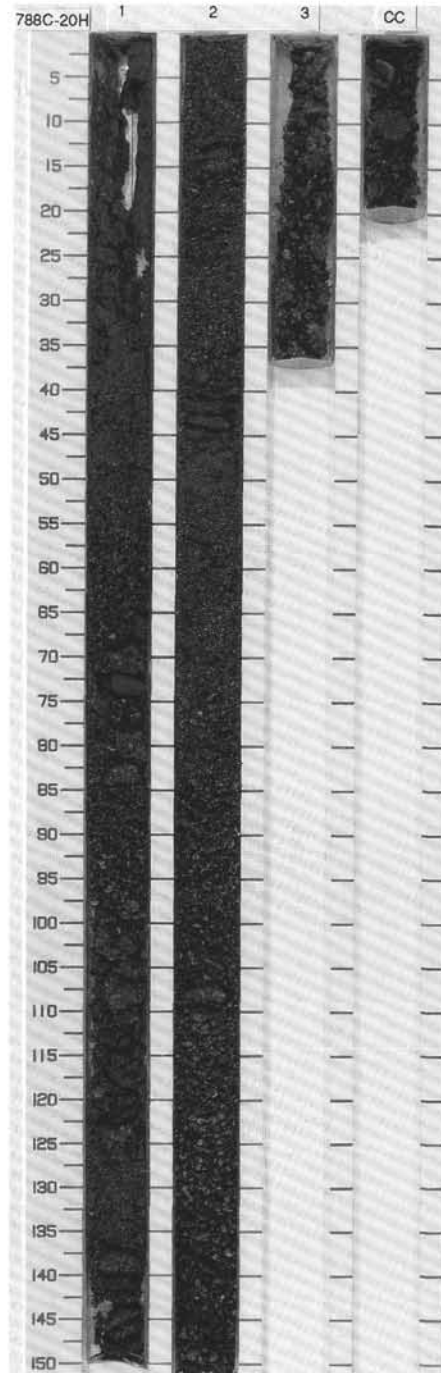
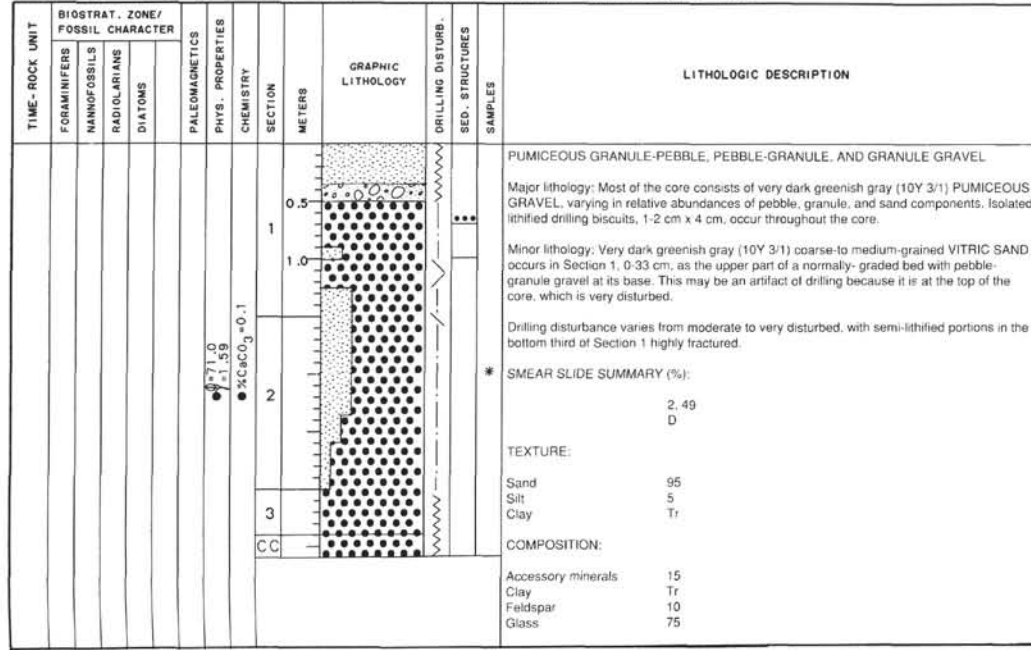


SITE 788 HOLE C CORE 19H CORED INTERVAL 172.2-181.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION						
	FORAMINIFERS	MAMMOFOSSILS	RADIOLARIANS											DIATOMS					
PLIOCENE							1	0.5	●●●●●●●●●●			*	PUMICEOUS GRANULE GRAVEL. Major lithology: Greenish black (5G 2/1) PUMICEOUS GRANULE GRAVEL. In Section 1, 60-81 cm and Section 6, 83-114 cm, the material consists of semi-lithified pieces, 1-5 cm in size, broken by drilling. In Section 1, 81-84 cm it is lithified with 1.5 cm pumice clasts in a vitric silt to fine-grained sand matrix. The core is moderately to very disturbed by drilling. SMEAR SLIDE SUMMARY (%): <table style="margin-left: 40px;"> <tr> <td></td> <td>1, 2</td> <td>1, 82</td> </tr> <tr> <td></td> <td>M</td> <td>M</td> </tr> </table> TEXTURE: Sand 5 — Silt 95 90 Clay — 10 COMPOSITION: Accessory minerals 1 Tr Clay — 10 Feldspar 3 1 Glass 96 89		1, 2	1, 82		M	M
		1, 2	1, 82																
		M	M																
								1											
								2											
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							4												
							5												
							6		●●●●●●●●●●										
	R/M						CC												
	B																		

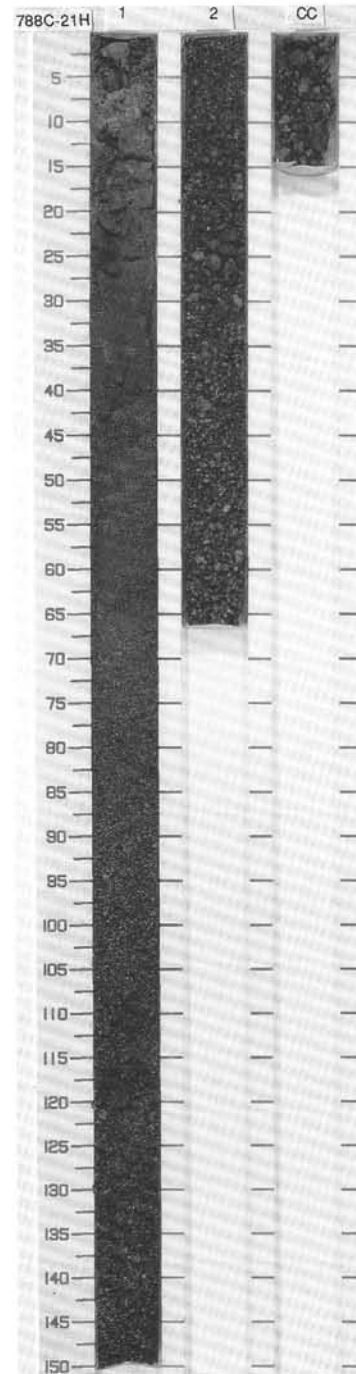
● 50.8
● 52.3
● %CaCO₃ = 0.2





SITE 788 HOLE C CORE 21H CORED INTERVAL 191.2-200.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																														
	FORAMINIFERS	NANOFOSSILS	RADIOLARIANS	DIATOMS																																								
									0.5 1.0 1.5 2.0					<p>PUMICEOUS SANDY GRANULE GRAVEL AND PUMICEOUS GRANULE-PEBBLE GRAVEL</p> <p>Major lithologies: The bottom 80% of the core consists of very dark gray (5Y 3/1) PUMICEOUS GRANULE-PEBBLE GRAVEL that grades upward into PUMICEOUS SANDY GRANULE GRAVEL and into the minor lithologies.</p> <p>Minor lithologies: The major lithologies continue grading upward into 52 cm of olive gray (5Y 3/2), very coarse to very fine-grained VITRIC SAND and 9 cm of dark gray (5Y 4/1) CRYSTAL-LITHIC VITRIC SILT. The top 5 cm of the core consists of two lithified, very dark gray (5Y 3/1) CRYSTAL-VITRIC SANDSTONE pebbles 2-3 cm in diameter.</p> <p>Drilling disturbance is moderate.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 2</td> <td>1, 8</td> </tr> <tr> <td></td> <td>M</td> <td>M</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>70</td> <td>10</td> </tr> <tr> <td>Silt</td> <td>10</td> <td>60</td> </tr> <tr> <td>Clay</td> <td>20</td> <td>30</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Accessory minerals</td> <td>15</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>20</td> <td>30</td> </tr> <tr> <td>Feldspar</td> <td>20</td> <td>10</td> </tr> <tr> <td>Glass</td> <td>43</td> <td>55</td> </tr> <tr> <td>Rock fragment</td> <td>2</td> <td>—</td> </tr> </table>		1, 2	1, 8		M	M	Sand	70	10	Silt	10	60	Clay	20	30	Accessory minerals	15	5	Clay	20	30	Feldspar	20	10	Glass	43	55	Rock fragment	2	—
	1, 2	1, 8																																										
	M	M																																										
Sand	70	10																																										
Silt	10	60																																										
Clay	20	30																																										
Accessory minerals	15	5																																										
Clay	20	30																																										
Feldspar	20	10																																										
Glass	43	55																																										
Rock fragment	2	—																																										

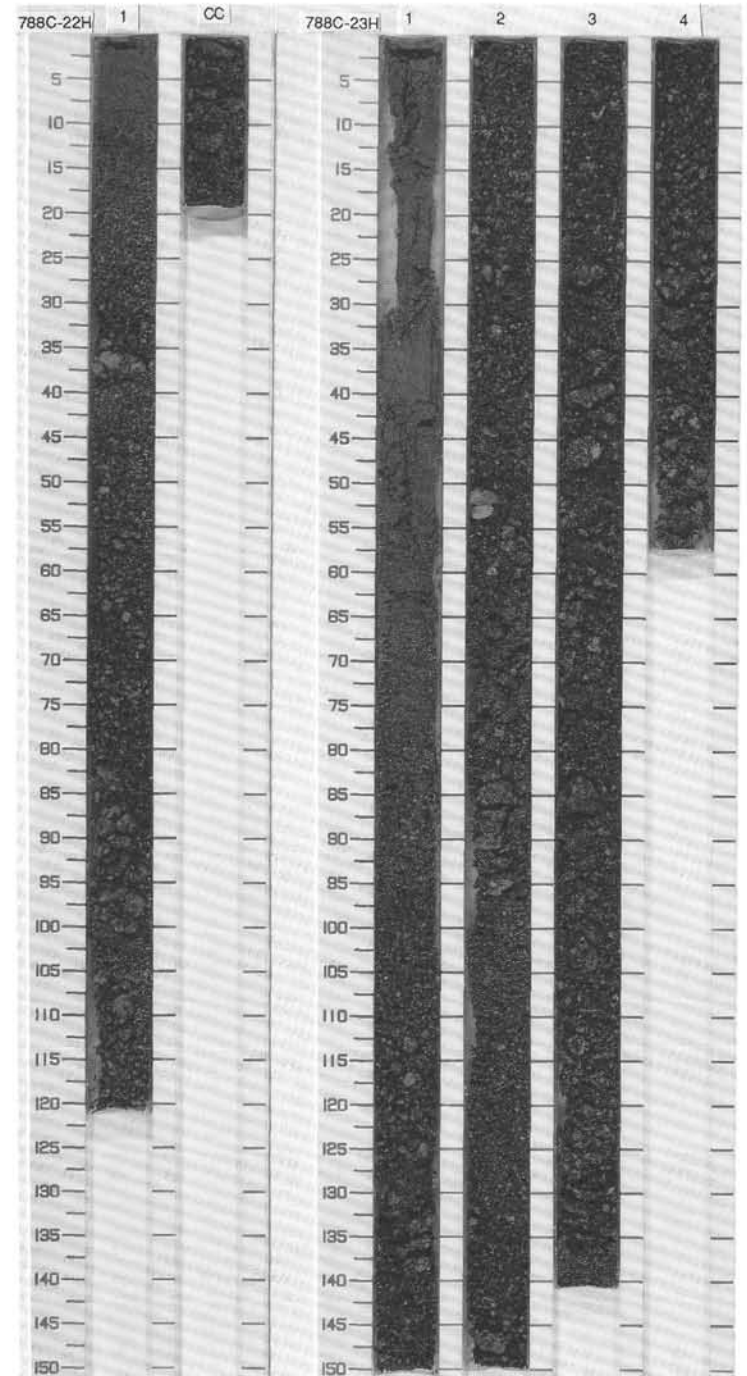


SITE 788 HOLE C CORE 22H CORED INTERVAL 200.7-210.2 mbsf

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										
								1	0.5 1.0					<p>PUMICEOUS PEBBLE-GRANULE GRAVEL AND PUMICEOUS PEBBLE-GRANULE CONGLOMERATE</p> <p>Major lithologies: Dark greenish gray (10Y 4/1) PUMICEOUS PEBBLE-GRANULE GRAVEL, partially lithified into PUMICEOUS PEBBLE-GRANULE CONGLOMERATE of the same color. Both lithologies consist of about 30% gray (5Y 6/1) pumice pebbles, 40% pumice granules, and 30% sand dominated by black volcanic lithic fragments.</p> <p>Minor lithology: In Section 1, 0-30 cm, the underlying major lithology grades upwards into unconsolidated, fine-grained, dark gray (5GY 4/1) VITRIC SAND.</p> <p>A larger percentage of the core may have been lithified, but has been disaggregated by drilling (moderate to very disturbed).</p>

SITE 788 HOLE C CORE 23H CORED INTERVAL 210.2-219.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
								1 2 3 4	0.5 1.0					<p>CRYSTAL-VITRIC SAND, PUMICEOUS SANDY PEBBLE-GRANULE GRAVEL, AND PUMICEOUS SANDY PEBBLE-GRANULE CONGLOMERATE</p> <p>Major lithologies: The upper 25% of the core (Section 1, 0-130 cm) is dark gray (5GY 4/1), fine-grained CRYSTAL-VITRIC SAND. The rest of the core consists of dark greenish gray (10Y 4/1) PUMICEOUS SANDY PEBBLE-GRANULE GRAVEL and its consolidated equivalent, PUMICEOUS SANDY PEBBLE-GRANULE CONGLOMERATE. The largest lithified pieces are 4.5 x 5 cm, have pumice clasts about 1 cm in diameter, and fine- to coarse-grained sand and granules for matrix.</p> <p>The relative proportions of the two major lithologies is uncertain, because the whole core has been moderately to very disturbed by drilling.</p>

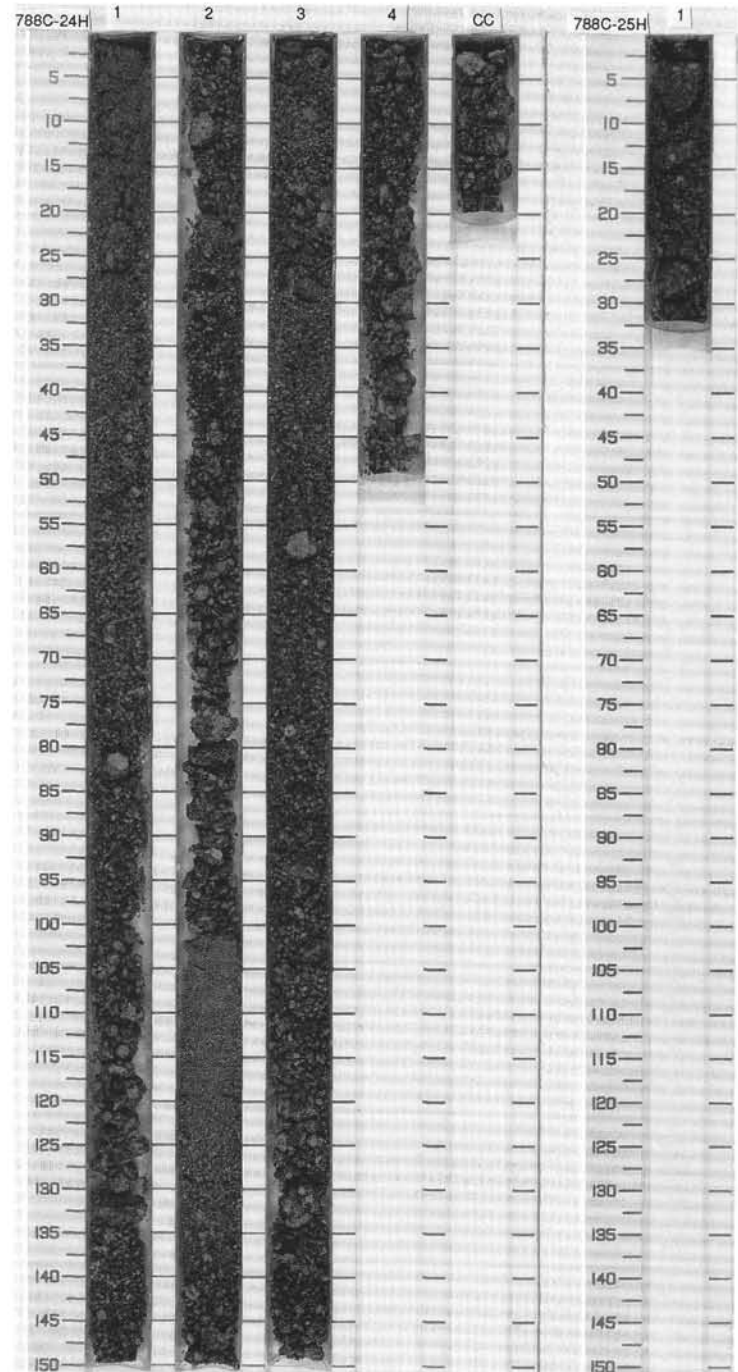


SITE 788 HOLE C CORE 24H CORED INTERVAL 219.7-229.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSELS	RADIOLARIANS	DIATOMS										
								1	0.5 1.0					<p>PUMICEOUS GRANULE-PEBBLE GRAVEL AND PUMICEOUS GRANULE-PEBBLE CONGLOMERATE</p> <p>Major lithology: Grayish olive (10Y 4/2) and very dark greenish gray (10Y 3/1) PUMICEOUS GRANULE-PEBBLE GRAVEL and PUMICEOUS GRANULE-PEBBLE CONGLOMERATE. Their relative proportions uncertain because the core is moderately to very disturbed by drilling. Typical textures in lithified pieces are 50% pebbles, 20% granules, and 30% coarse sand. Maximum pumice clast sizes in both lithologies are 5 cm; their colors are light greenish gray (10Y 6/1), dark greenish gray (10Y 5/2), and very dark greenish gray (10Y 3/1).</p> <p>Minor lithology: The top 22 cm of the core is very dark greenish gray (10Y 3/1), fine- to coarse-grained CRYSTAL VITRIC SAND, normal-graded upward from the underlying gravel.</p> <p>Section 2, 100 cm, to Section 3, 80 cm, is moderately disturbed by drilling. The rest of the core is very disturbed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="margin-left: 40px;">1. 102 D</p> <p>TEXTURE:</p> <p>Sand 90 Silt 10</p> <p>COMPOSITION:</p> <p>Accessory minerals 3 Feldspar 10 Glass 87</p>
								2						
								3						
								4						
								CC						

SITE 788 HOLE C CORE 25H CORED INTERVAL 229.2-238.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSELS	RADIOLARIANS	DIATOMS										
								1						<p>PUMICEOUS PEBBLE-GRANULE GRAVEL AND PUMICEOUS PEBBLE-GRANULE CONGLOMERATE</p> <p>Major lithologies: Very dark greenish gray (10Y 3/1) PUMICEOUS PEBBLE-GRANULE GRAVEL and PUMICEOUS PEBBLE-GRANULE CONGLOMERATE in approximately equal proportions. Much of the gravel is probably disaggregated conglomerate, as the core is very disturbed by drilling. The materials consist of 30% pebbles, 50% granules, and 30% sand. Maximum pumice clast size is about 2.8 cm, and pebble colors are gray (5Y 6/1) and grayish green (5GY 6/1).</p>



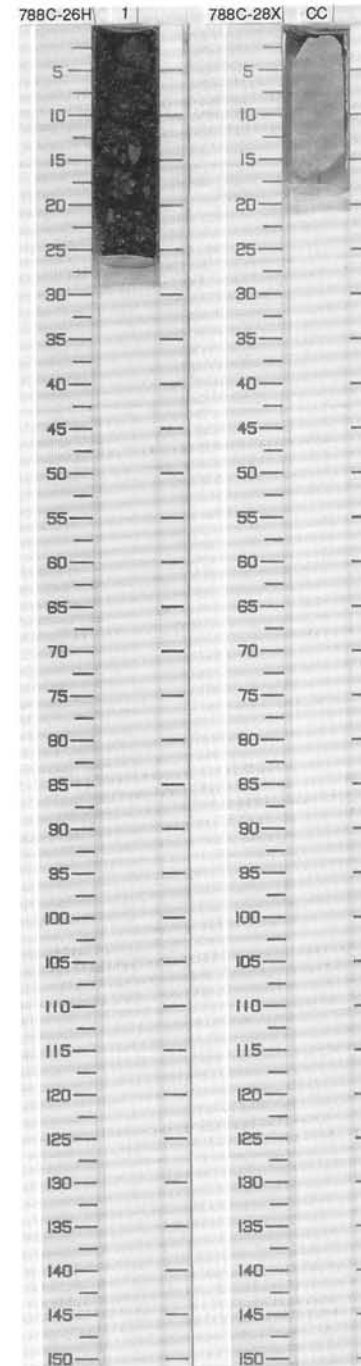
SITE 788 HOLE C CORE 26H CORED INTERVAL 238.7-248.2 mbsf

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										
	B							1						<p>PUMICEOUS GRANULE-PEBBLE CONGLOMERATE AND PUMICEOUS GRANULE-PEBBLE GRAVEL</p> <p>Major lithologies: Very dark greenish gray (10Y 3/1) PUMICEOUS GRANULE-PEBBLE CONGLOMERATE and its unconsolidated or disaggregated equivalent, PUMICEOUS GRANULE-PEBBLE GRAVEL. Textural composition is: pebbles, 60%; granules, 30%; sand 10%.</p> <p>Minor lithology: The top 4 cm of the core is dark greenish gray (10Y 4/1), medium-grained VITRIC SAND composed of pumice grains.</p>

126 788C 27X NO RECOVERY

SITE 788 HOLE C CORE 28X CORED INTERVAL 257.9-262.5 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																																																							
PLIOCENE	F/C	F/C	B		N			CC						<p>NANNOFOSSIL CLAYSTONE</p> <p>Major lithology: Grayish green (5GY 6/1) NANNOFOSSIL CLAYSTONE, slightly to heavily burrowed. The burrows are 3-6 mm wide, sub-horizontal, and dark gray (5GY 4/1) in color.</p> <p>Minor lithology: The bottom 3 cm of the core is grayish green (5GY 6/1) MICRITE-RICH CLAYSTONE.</p> <p>The core is moderately fractured by drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>CC, 4</td> <td>CC, 15</td> </tr> <tr> <td></td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>2</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>23</td> <td>15</td> </tr> <tr> <td>Clay</td> <td>75</td> <td>80</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Accessory minerals</td> <td>69</td> <td>Tr</td> </tr> <tr> <td>Cement</td> <td>—</td> <td>1</td> </tr> <tr> <td>Clay</td> <td>—</td> <td>75</td> </tr> <tr> <td>Feldspar</td> <td>1</td> <td>1</td> </tr> <tr> <td>Foraminifers</td> <td>3</td> <td>2</td> </tr> <tr> <td>Glass</td> <td>5</td> <td>—</td> </tr> <tr> <td>Micrite</td> <td>5</td> <td>15</td> </tr> <tr> <td>Nannofossils</td> <td>15</td> <td>5</td> </tr> <tr> <td>Opauques</td> <td>2</td> <td>—</td> </tr> <tr> <td>Zeolite</td> <td>—</td> <td>1</td> </tr> </table>		CC, 4	CC, 15		M	D	Sand	2	5	Silt	23	15	Clay	75	80	Accessory minerals	69	Tr	Cement	—	1	Clay	—	75	Feldspar	1	1	Foraminifers	3	2	Glass	5	—	Micrite	5	15	Nannofossils	15	5	Opauques	2	—	Zeolite	—	1
	CC, 4	CC, 15																																																									
	M	D																																																									
Sand	2	5																																																									
Silt	23	15																																																									
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Accessory minerals	69	Tr																																																									
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Feldspar	1	1																																																									
Foraminifers	3	2																																																									
Glass	5	—																																																									
Micrite	5	15																																																									
Nannofossils	15	5																																																									
Opauques	2	—																																																									
Zeolite	—	1																																																									



SITE 788

SITE 788 HOLE D CORE 1R CORED INTERVAL 219.6-229.2 mbsf

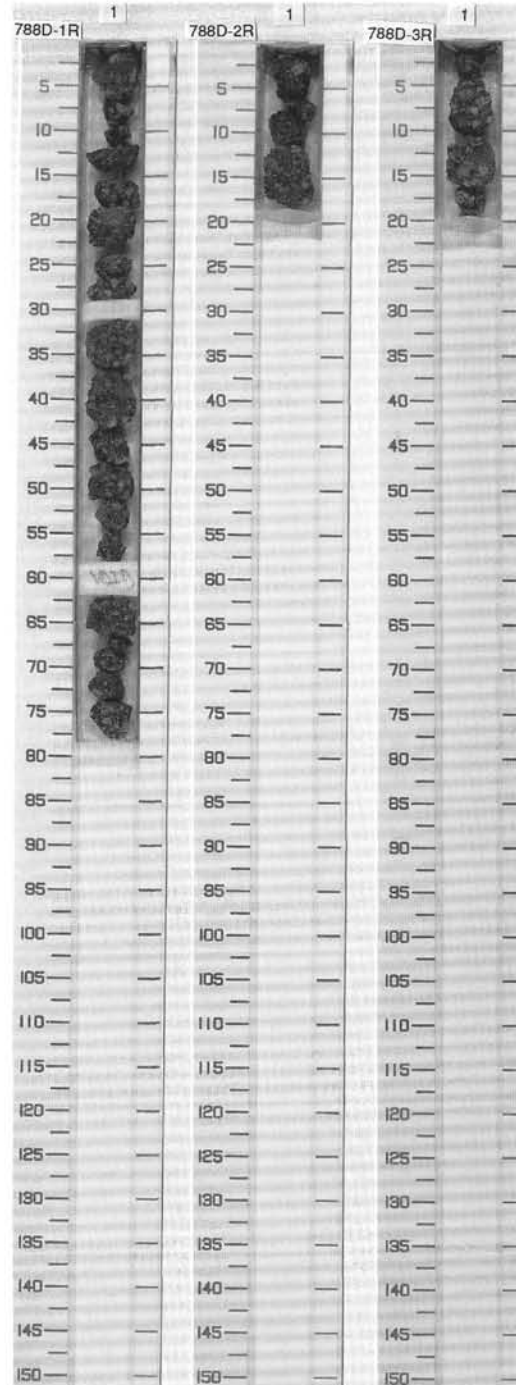
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
									0.5 1.0 1.5		X X X			<p>PUMICEOUS CONGLOMERATE</p> <p>Major lithology: Dark gray (5GY 4/1), clast-supported pieces (drilling breccia) of PUMICEOUS CONGLOMERATE. Pumice clasts range from grayish yellow green (5GY 7/2) to dusky green (5G 3/2). Maximum clast diameter is 4.5 cm, and the mean of the 10 largest clasts is 1.3 cm.</p>
									2.0 2.5		X			
									3.0		X			

SITE 788 HOLE D CORE 2R CORED INTERVAL 229.2-238.9 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										
									1.0		X			<p>PUMICEOUS CONGLOMERATE</p> <p>Major lithology: Dark gray (5GY 4/1), clast-supported pieces (drilling breccia) of PUMICEOUS CONGLOMERATE. Pumice clasts range from grayish yellow green (5GY 7/2) to dusky green (5G 3/2). Maximum clast diameter is 2 cm and the mean size of the 10 largest clasts is 0.7 cm.</p>

SITE 788 HOLE D CORE 3R CORED INTERVAL 238.9-248.5 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										
									1.0		X			<p>PUMICEOUS CONGLOMERATE</p> <p>Major lithology: Dark gray (5GY 4/1), clast-supported pieces (drilling breccia) of PUMICEOUS CONGLOMERATE. Pumice clasts range from grayish yellow green (5GY 7/2) to dusky green (5G 3/2). Maximum clast diameter is 2.5 cm and the mean size of the 10 largest clasts is 1.5 cm.</p>

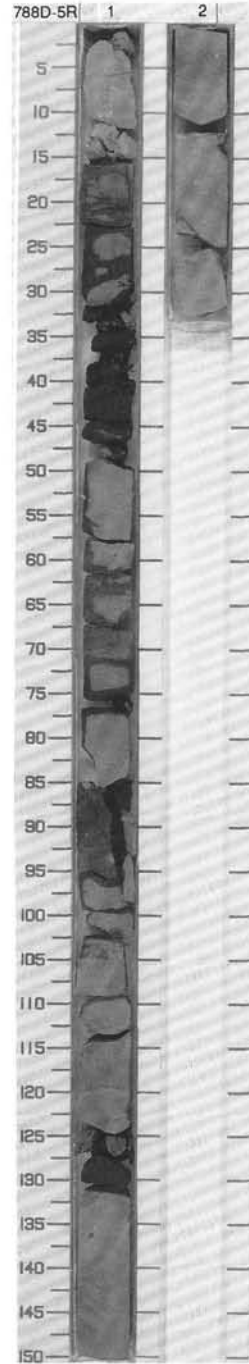


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																				
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS																														
PLIOCENE	C	N18 - N19		N	R			0.5 1.0		X	X	X	<p>PUMICEOUS CONGLOMERATE AND NANNOFOSSIL-RICH CLAYSTONE</p> <p>Major lithologies: The top 50% of the core is separate drilling pieces, as long as 6 cm, of olive black (5Y 2/1) and greenish black (5GY 2/1) PUMICEOUS CONGLOMERATE. Pumice clasts are up to 4 cm in diameter and grayish green (5GY 6/1), gray (5Y 6/1), and pale olive (10Y 6/2) in color. The matrix is grayish black (N2) in color. The lower half of the core is grayish green (5GY 6/1) NANNOFOSSIL-RICH CLAYSTONE with scattered, clearly visible foraminifer tests, and slight burrowing.</p> <p>The entire core is drilling breccia. One piece at 14-18 cm shows a contact between the major lithologies.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td>1, 85</td></tr> <tr><td>D</td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Silt</td><td>10</td></tr> <tr><td>Clay</td><td>90</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Accessory minerals</td><td>2</td></tr> <tr><td>Clay</td><td>69</td></tr> <tr><td>Feldspar</td><td>10</td></tr> <tr><td>Glass</td><td>5</td></tr> <tr><td>Micrite</td><td>3</td></tr> <tr><td>Nannofossils</td><td>10</td></tr> <tr><td>Opales</td><td>1</td></tr> </table>	1, 85	D	Silt	10	Clay	90	Accessory minerals	2	Clay	69	Feldspar	10	Glass	5	Micrite	3	Nannofossils	10	Opales	1
1, 85																																	
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Glass	5																																
Micrite	3																																
Nannofossils	10																																
Opales	1																																



SITE 788 HOLE D CORE 5R CORED INTERVAL 258.2-267.9 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																																																																															
PLIOCENE	C	N1B			R			1	0.5	[Lithology symbols]	[Disturbance symbols]	*	<p>NANNOFOSSIL-RICH CLAYSTONE</p> <p>Major lithology: Dark greenish gray (10Y 5/1 and 10Y 4/1), heavily burrowed NANNOFOSSIL-RICH CLAYSTONE with a few percent of foraminifers and micrite, constitutes 88% of the core. Chondrites burrows are recognized. Several burrows, 5-7 mm across and vertical, are filled with foraminifer tests. Isolated pumice clasts 5 mm in diameter occur in Section 1, 8 cm. An isolated light gray (5Y 7/1) pumice pebble at the top probably caved in, and is not stratigraphically intact.</p> <p>Minor lithologies: In Section 1, 14-15 cm, is a layer of black (N1), very fine-grained VITRIC SANDSTONE, likely an ash layer. Section 1, 32-45 cm, 72-78 cm, and 124-130 cm are laminated intervals of the same VITRIC SANDSTONE. The lower two of these intervals grade upward into 2-cm thick layers of greenish black (5GY 2/1) VITRIC CLAYEY SILTSTONE and VITRIC SILTY CLAYSTONE.</p> <p>A fracture occurs in Section 1, 116-120 cm. The entire core is moderately fractured by drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 4</td> <td>1, 24</td> <td>1, 35</td> <td>1, 115</td> </tr> <tr> <td></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>Tr</td> <td>—</td> <td>90</td> <td>—</td> </tr> <tr> <td>Silt</td> <td>15</td> <td>45</td> <td>10</td> <td>25</td> </tr> <tr> <td>Clay</td> <td>85</td> <td>55</td> <td>—</td> <td>75</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Accessory minerals</td> <td>—</td> <td>—</td> <td>1</td> <td>—</td> </tr> <tr> <td>Clay</td> <td>85</td> <td>53</td> <td>—</td> <td>75</td> </tr> <tr> <td>Feldspar</td> <td>1</td> <td>1</td> <td>1</td> <td>Tr</td> </tr> <tr> <td>Foraminifers</td> <td>1</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Glass</td> <td>Tr</td> <td>45</td> <td>98</td> <td>25</td> </tr> <tr> <td>Micrite</td> <td>5</td> <td>—</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Nannofossils</td> <td>3</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Opaques</td> <td>Tr</td> <td>1</td> <td>—</td> <td>—</td> </tr> <tr> <td>Zechite</td> <td>5</td> <td>—</td> <td>—</td> <td>—</td> </tr> </table>		1, 4	1, 24	1, 35	1, 115		D	D	D	D	Sand	Tr	—	90	—	Silt	15	45	10	25	Clay	85	55	—	75	Accessory minerals	—	—	1	—	Clay	85	53	—	75	Feldspar	1	1	1	Tr	Foraminifers	1	—	—	—	Glass	Tr	45	98	25	Micrite	5	—	—	Tr	Nannofossils	3	—	—	—	Opaques	Tr	1	—	—	Zechite	5	—	—	—
		1, 4	1, 24	1, 35	1, 115																																																																														
	D	D	D	D																																																																															
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Accessory minerals	—	—	1	—																																																																															
Clay	85	53	—	75																																																																															
Feldspar	1	1	1	Tr																																																																															
Foraminifers	1	—	—	—																																																																															
Glass	Tr	45	98	25																																																																															
Micrite	5	—	—	Tr																																																																															
Nannofossils	3	—	—	—																																																																															
Opaques	Tr	1	—	—																																																																															
Zechite	5	—	—	—																																																																															
	F/P	CN3 - CN1.4a	B/F - P		N	46.9 5.9 1.11 17.4 %CaCO ₃ = 14.6	2	1.0	[Lithology symbols]	[Disturbance symbols]	*																																																																								

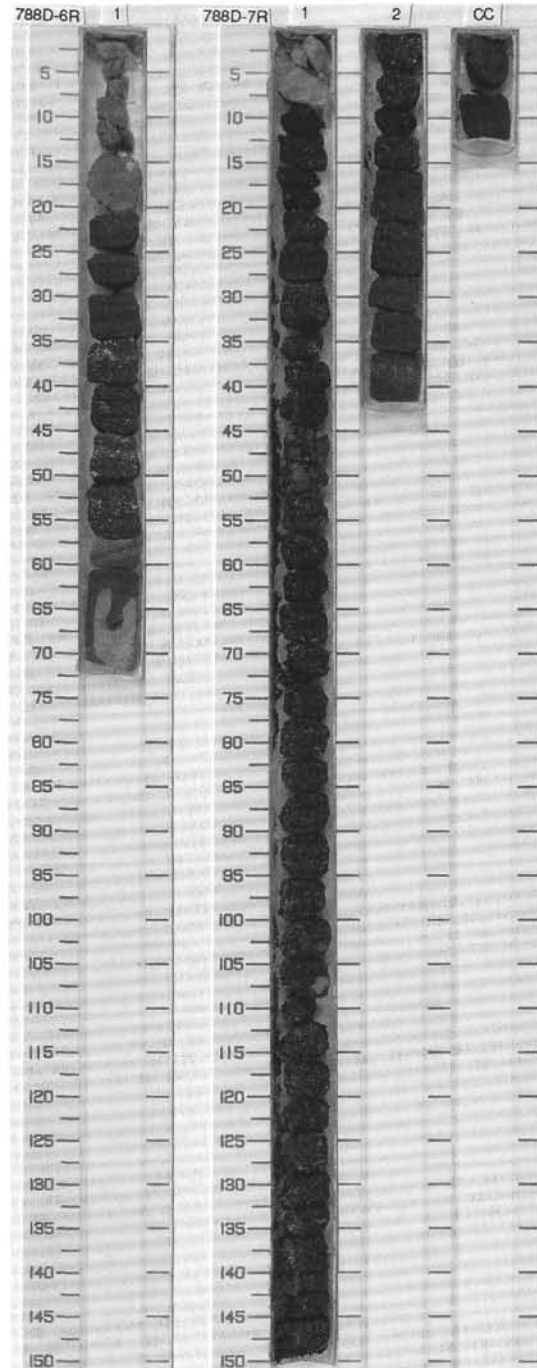


SITE 788 HOLE D CORE 6R CORED INTERVAL 267.9-277.5 mbsf

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																																																										
PLIOCENE	C N18				N	ρ=57.5 μ=1.86 XCaCO ₃ =0.4		1	0.5 1.0					<p>VITRIC SANDSTONE, VITRIC SILTY CLAYSTONE AND NANNOFOSSIL-RICH CLAYSTONE</p> <p>Major lithologies: Black (N1), very fine-grained to medium-grained, laminated VITRIC SANDSTONE constitutes 55% of the core in a single bed from 20-60 cm. The bed is laminated and normal graded, from medium-grained at the base, to fine-grained in the middle, to very fine-grained in the upper third. Except for the lowest 3 cm of the bed (57-60 cm), the middle and lower thirds are pumiceous granule and pebble bearing. This sandstone grades upward into dark greenish gray (10Y 5/2, (5G 4/1) VITRIC SILTY CLAYSTONE (28% of the core) that contains an isolated 1-cm diameter pumice clast. The lowermost 12 cm (16%) of the core is dark greenish gray (10Y 4/1) NANNOFOSSIL-RICH CLAYSTONE containing large, scattered foraminifers.</p> <p>An isolated light gray (N7) pumice pebble at the top probably caved in and is not stratigraphically intact.</p> <p>Drilling disturbance: The top 15 cm is highly fractured, the rest of the core is moderately fractured.</p> <p>SMEAR SLIDE & THIN SECTION SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 16</td> <td>1, 20</td> <td>1, 41</td> </tr> <tr> <td></td> <td>M</td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>—</td> <td>—</td> <td>95</td> </tr> <tr> <td>Silt</td> <td>25</td> <td>25</td> <td>5</td> </tr> <tr> <td>Clay</td> <td>75</td> <td>75</td> <td>—</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Accessory minerals</td> <td>Tr</td> <td>Tr</td> <td>—</td> </tr> <tr> <td>Clay</td> <td>75</td> <td>75</td> <td>—</td> </tr> <tr> <td>Feldspar</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Glass</td> <td>25</td> <td>25</td> <td>70</td> </tr> <tr> <td>Pore space</td> <td>—</td> <td>—</td> <td>25</td> </tr> <tr> <td>Quartz</td> <td>—</td> <td>Tr</td> <td>—</td> </tr> <tr> <td>Rock fragment</td> <td>Tr</td> <td>Tr</td> <td>5</td> </tr> </table>		1, 16	1, 20	1, 41		M	M	D	Sand	—	—	95	Silt	25	25	5	Clay	75	75	—	Accessory minerals	Tr	Tr	—	Clay	75	75	—	Feldspar	Tr	Tr	Tr	Glass	25	25	70	Pore space	—	—	25	Quartz	—	Tr	—	Rock fragment	Tr	Tr	5
	1, 16	1, 20	1, 41																																																											
	M	M	D																																																											
Sand	—	—	95																																																											
Silt	25	25	5																																																											
Clay	75	75	—																																																											
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Glass	25	25	70																																																											
Pore space	—	—	25																																																											
Quartz	—	Tr	—																																																											
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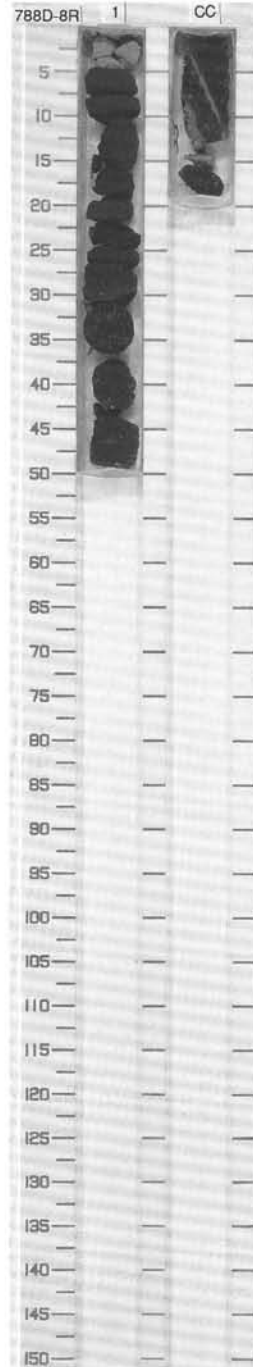
SITE 788 HOLE D CORE 7R CORED INTERVAL 277.5-287.2 mbsf

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										
					N	ρ=49.2 μ=1.89 XCaCO ₃ =0.3		1 2	0.5 1.0					<p>PUMICEOUS CONGLOMERATE AND VITRIC SANDSTONE</p> <p>Major lithologies: Grayish black (N2) PUMICEOUS CONGLOMERATE comprises 60% of the core. It consists of 20-30% sand, 40-60% granules, and 10-60% pebbles, which are round to subangular and as large as 32 mm in diameter. Grayish black (N2), poorly sorted, coarse to fine-grained VITRIC SAND comprises 37% of the core. It displays some planar laminations in Section 2, and contains scattered pumice clasts 3 mm in diameter.</p> <p>Minor lithology: The topmost 3% of the core is dark greenish gray (10Y 4/1) NANNOFOSSIL-RICH CLAYSTONE containing scattered white, sand-sized foraminifers.</p> <p>The whole core is moderately fractured by drilling.</p>

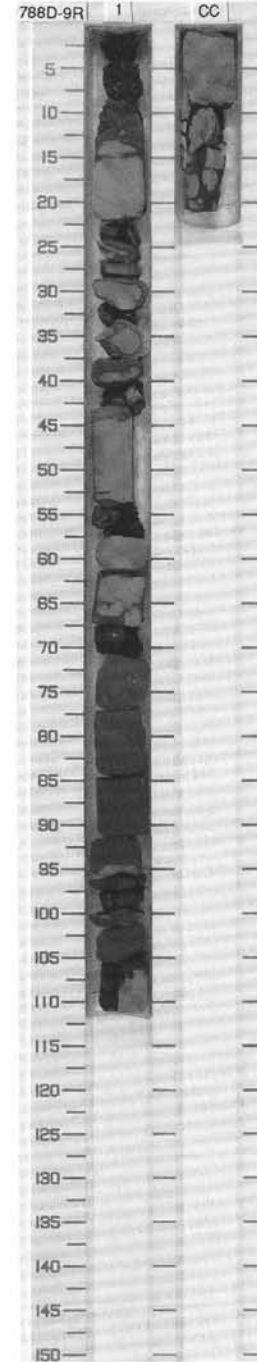


SITE 788 HOLE D CORE 8R CORED INTERVAL 287.2-296.9 mbsf

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																							
					N	0.44 0.27 1.68 0.8 0.2	0.27 1.68 0.8 0.2	1				*	<p>VITRIC SANDSTONE</p> <p>Major lithology: Most of the core consist of grayish black (N2), medium to fine-grained VITRIC SANDSTONE that is laminated in the intervals from 5-10 cm and 20-31 cm. From 31-50 cm, and in the upper part of the core catcher above a microfault described below, the core is pumiceous granule-bearing or granule-rich, consisting of 80% sand, 15-18% granules, and 2-5% pebbles with a maximum diameter of 5 mm and a mean diameter of 3 mm. The lowest three pieces were rotated during splitting.</p> <p>Minor lithology: The bottom part of the core catcher is grayish black (N2) PUMICEOUS PEBBLE CONGLOMERATE consisting of 80% pumice pebbles colored light olive gray (5Y 6/2), olive black (5Y 2/1), and grayish black (N2), and 20% each of pumice granules and vitric sand.</p> <p>In the core catcher, a healed microfault at 4-10 cm dipping 60° separates sandstone resting on conglomerate. The fault is a 7 mm wide zone filled with lithified vitric silt.</p> <p>Two light gray (N7) pumice pebbles at the top of the core probably caved in and are not stratigraphically intact.</p> <p>The core is moderately fractured by drilling except at 10-20 cm, where it is highly fractured.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table style="margin-left: 20px;"> <tr><td>1, 6</td></tr> <tr><td>D</td></tr> </table> <p>TEXTURE:</p> <table style="margin-left: 20px;"> <tr><td>Sand</td><td>70</td></tr> <tr><td>Silt</td><td>30</td></tr> </table> <p>COMPOSITION:</p> <table style="margin-left: 20px;"> <tr><td>Accessory minerals</td><td>1</td></tr> <tr><td>Feldspar</td><td>2</td></tr> <tr><td>Glass</td><td>95</td></tr> <tr><td>Micrite</td><td>2</td></tr> </table>	1, 6	D	Sand	70	Silt	30	Accessory minerals	1	Feldspar	2	Glass	95	Micrite	2
1, 6																											
D																											
Sand	70																										
Silt	30																										
Accessory minerals	1																										
Feldspar	2																										
Glass	95																										
Micrite	2																										



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NAUPOFOSSILS	DIATOMS										

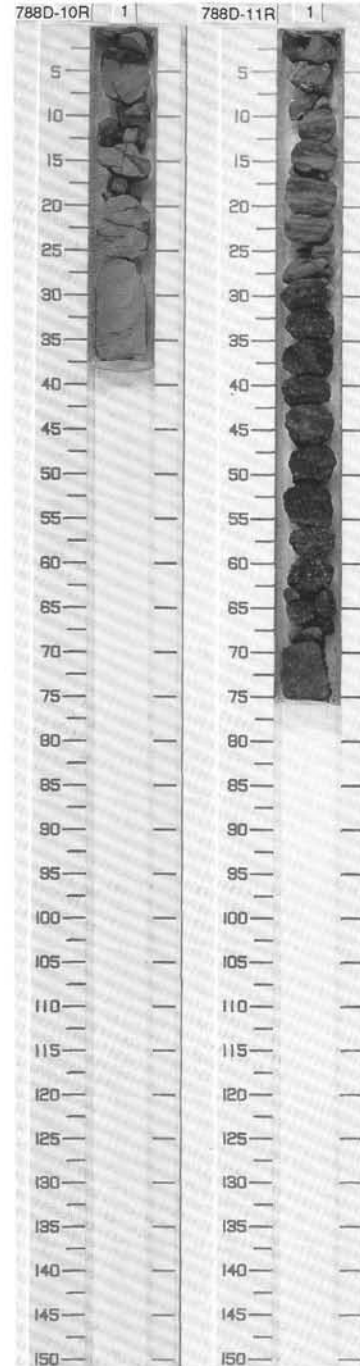


SITE 788 HOLE D CORE 10R CORED INTERVAL 306.5-316.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION														
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS																							
	DIATOMS																									
	R																									
LOWER MIOCENE - PLEISTOCENE	CN3 - CN1 4a	B	R/P	R	4.5, 7 1.76 K2CO3 *1.2		1					<p>CLAYEY VITRIC SILTSTONE AND VITRIC SANDY SILTSTONE</p> <p>Major lithologies: The entire core is dark gray (5GY 4/1) in color. CLAYEY VITRIC SILTSTONE comprises 63% of the core. The interval 14-23 cm contains about 10% pumice and scoria grains of medium sand size. The altered pumice is varicolored yellow, reddish brown, and green. A 5 mm burrow filled with fine sand occurs at 30 cm. VITRIC SANDY SILTSTONE is 24% of the core.</p> <p>Minor lithology: The top 5 cm (13% of the core) is very fine-grained VITRIC SANDSTONE with wavy laminae at its base.</p> <p>The core contains three healed microfractures. It is moderately to highly fractured by drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table> <tr><td>1, 30</td></tr> <tr><td>D</td></tr> </table> <p>TEXTURE:</p> <table> <tr><td>Silt</td><td>60</td></tr> <tr><td>Clay</td><td>40</td></tr> </table> <p>COMPOSITION:</p> <table> <tr><td>Accessory minerals</td><td>Tr</td></tr> <tr><td>Clay</td><td>40</td></tr> <tr><td>Feldspar</td><td>Tr</td></tr> <tr><td>Glass</td><td>60</td></tr> </table>	1, 30	D	Silt	60	Clay	40	Accessory minerals	Tr	Clay	40	Feldspar	Tr	Glass	60
1, 30																										
D																										
Silt	60																									
Clay	40																									
Accessory minerals	Tr																									
Clay	40																									
Feldspar	Tr																									
Glass	60																									

SITE 788 HOLE D CORE 11R CORED INTERVAL 316.0-325.6 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																																																																	
	R																																																																	
	R/M			N	7.2, 5 1.76 K2CO3 *3.3		1					<p>PUMICEOUS GRANULE PEBBLE CONGLOMERATE AND VITRIC SANDSTONE</p> <p>Major lithology: 51% of the core is brownish black (5YR 2/1) PUMICEOUS GRANULE PEBBLE CONGLOMERATE consisting of 20% pumice pebbles with a maximum diameter of 1 cm, 50% pumice granules, and 30% medium grained sand. The remaining 49% of the core is VITRIC SAND. In the interval 0-30 cm, the sand is olive (5Y 5/4), medium grained, and has slightly differently colored olive (5Y 4/3) laminations. From 69 to 76 cm it is very dark greenish gray (10Y 3/1), fine grained, and contains 5% each of pumice pebbles and granules. The entire core is moderately fractured by drilling.</p> <p>SMEAR SLIDE & THIN SECTION SUMMARY (%):</p> <table> <tr><td>1, 12</td><td>1, 14</td><td>1, 15</td></tr> <tr><td>D</td><td>D</td><td>D</td></tr> </table> <p>TEXTURE:</p> <table> <tr><td>Sand</td><td>100</td><td>65</td><td>70</td></tr> <tr><td>Silt</td><td>Tr</td><td>30</td><td>30</td></tr> <tr><td>Clay</td><td>—</td><td>5</td><td>—</td></tr> </table> <p>COMPOSITION:</p> <table> <tr><td>Accessory minerals</td><td>3</td><td>2</td><td>—</td></tr> <tr><td>Cement</td><td>20</td><td>5</td><td>30</td></tr> <tr><td>Clay</td><td>—</td><td>5</td><td>—</td></tr> <tr><td>Feldspar</td><td>3</td><td>2</td><td>Tr</td></tr> <tr><td>Foraminifers</td><td>3</td><td>—</td><td>—</td></tr> <tr><td>Glass</td><td>51</td><td>71</td><td>60</td></tr> <tr><td>Pore space</td><td>10</td><td>—</td><td>—</td></tr> <tr><td>Rock fragment</td><td>10</td><td>—</td><td>—</td></tr> <tr><td>Zeolite</td><td>—</td><td>15</td><td>10</td></tr> </table>	1, 12	1, 14	1, 15	D	D	D	Sand	100	65	70	Silt	Tr	30	30	Clay	—	5	—	Accessory minerals	3	2	—	Cement	20	5	30	Clay	—	5	—	Feldspar	3	2	Tr	Foraminifers	3	—	—	Glass	51	71	60	Pore space	10	—	—	Rock fragment	10	—	—	Zeolite	—	15	10
1, 12	1, 14	1, 15																																																																
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Pore space	10	—	—																																																															
Rock fragment	10	—	—																																																															
Zeolite	—	15	10																																																															



SITE 788 HOLE D CORE 12R CORED INTERVAL 325.6-335.3 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																																																			
LOWER MIOCENE - PLEISTOCENE	C/M		B		N	9.5, 9.1 XCaCO ₃ =19.9		1				*	<p>CARBONATE RICH PUMICEOUS PEBBLE-BEARING GRANULE CONGLOMERATE</p> <p>Major lithology: The core consists almost entirely of olive gray (5Y 4/2) CARBONATE-RICH PUMICEOUS PEBBLE-BEARING GRANULE CONGLOMERATE with a light olive gray (5Y 6/2) silty sand matrix containing nanmotossil and foraminifer tests. The conglomerate is composed of 15% pebbles, 40% granules, and 15% sand and silt.</p> <p>Minor lithology: A piece of core at 25-30 cm is light olive gray (5Y 6/2) VITRIC SILTSTONE.</p> <p>The core is moderately fractured by drilling.</p> <p>SMEAR SLIDE & THIN SECTION SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>1, 11</td> <td>1, 26</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>100</td> <td>20</td> </tr> <tr> <td>Silt</td> <td>Tr</td> <td>30</td> </tr> <tr> <td>Clay</td> <td>—</td> <td>50</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Accessory minerals</td> <td>1</td> <td>—</td> </tr> <tr> <td>Cement</td> <td>3</td> <td>—</td> </tr> <tr> <td>Clay</td> <td>—</td> <td>20</td> </tr> <tr> <td>Feldspar</td> <td>1</td> <td>Tr</td> </tr> <tr> <td>Foraminifers</td> <td>25</td> <td>20</td> </tr> <tr> <td>Glass</td> <td>55</td> <td>30</td> </tr> <tr> <td>Micrite</td> <td>15</td> <td>20</td> </tr> <tr> <td>Nannotossils</td> <td>—</td> <td>10</td> </tr> <tr> <td>Rock fragment</td> <td>Tr</td> <td>—</td> </tr> </table>		1, 11	1, 26		D	D	Sand	100	20	Silt	Tr	30	Clay	—	50	Accessory minerals	1	—	Cement	3	—	Clay	—	20	Feldspar	1	Tr	Foraminifers	25	20	Glass	55	30	Micrite	15	20	Nannotossils	—	10	Rock fragment	Tr	—
	1, 11	1, 26																																																					
	D	D																																																					
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Clay	—	50																																																					
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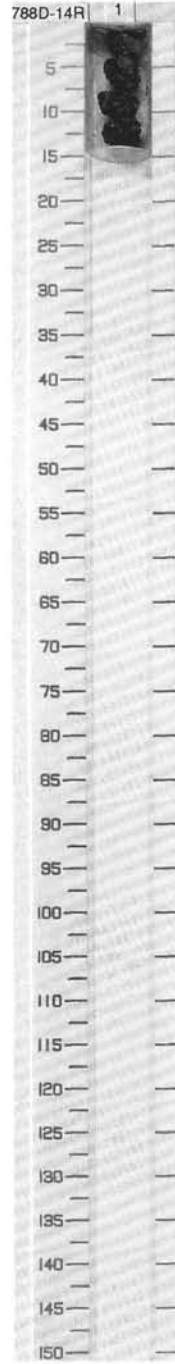
SITE 788 HOLE D CORE 13R CORED INTERVAL 335.3-345.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																		
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																											
	R/P				N	9.5, 9.1 XCaCO ₃ =0.6		1				*	<p>PUMICEOUS PEBBLE GRANULE CONGLOMERATE AND VITRIC SILTY CLAYSTONE</p> <p>Major lithology: The bottom 80% of the core consists of black (N2) PUMICEOUS PEBBLE GRANULE CONGLOMERATE composed of 20% pebbles, 50% granules, and 30% medium-grained sand. The uppermost 20% of the core is greenish black (5GY 2/1), finely laminated VITRIC SILTY CLAYSTONE.</p> <p>The core is moderately fractured by drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>1, 1</td> </tr> <tr> <td></td> <td>M</td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>10</td> </tr> <tr> <td>Silt</td> <td>80</td> </tr> <tr> <td>Clay</td> <td>10</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Cement</td> <td>1</td> </tr> <tr> <td>Clay</td> <td>10</td> </tr> <tr> <td>Glass</td> <td>89</td> </tr> <tr> <td>Micrite</td> <td>Tr</td> </tr> </table>		1, 1		M	Sand	10	Silt	80	Clay	10	Cement	1	Clay	10	Glass	89	Micrite	Tr
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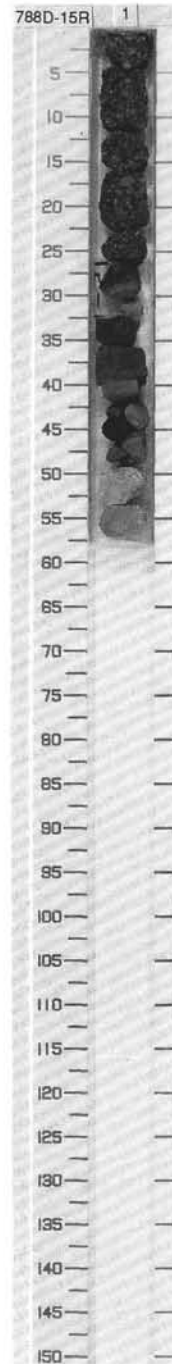


SITE 788 HOLE D CORE 14R CORED INTERVAL 345.0-354.7 mbsf

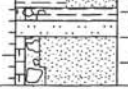
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
LOWER MIOCENE - PLEISTOCENE					N	0-54.5 -2.0	%CaCO ₃ -0.4	1						<p>PUMICEOUS GRANULE PEBBLE CONGLOMERATE</p> <p>Major lithology: The entire core consists of grayish black (N2) PUMICEOUS GRANULE PEBBLE CONGLOMERATE composed of 40% pebbles, 30% granules, and 30% medium-grained vitric sand. Typical maximum clast size is 3.5 cm and clast colors are dark gray (5Y 4/1) and very dark gray (5Y 3/1). Near the top of the core, there is a 5 mm diameter pumice clast that is stained brownish yellow (10YR 6/8) with iron oxides.</p> <p>The core is moderately fractured by drilling.</p>



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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MIOCENE -LOWER PLIOCENE?	R/M	B		R	51.5 1.97 CaCO ₃ 20.8		1						<p>PUMICEOUS CONGLOMERATE. VITRIC SILTSTONE AND VITRIC SANDSTONE</p> <p>The uppermost 52% of the core is grayish black (N2) PUMICEOUS CONGLOMERATE containing 40% each of pumice pebbles and granules, and 30% medium-grained vitric sand. The pumice pebbles have maximum diameters of 15 mm, and are colored dark gray (5Y 4/1) and olive black (5Y 2/1). Most of the remaining 48% of the core consists of 2-4 cm-thick alternations of light gray (N6) and grayish black (N2) VITRIC SILTSTONE and grayish black (N2), very fine-grained VITRIC SANDSTONE. The siltstone interval from 37 to 40 cm is finely planar laminated.</p> <p>Minor lithology: The interval from 50 to 54 cm is grayish green (5GY 6/1) PUMICE GRANULE-BEARING CARBONATE-RICH VITRIC SILTSTONE. Scattered white sand-sized foraminifers stand out visually, but in smear slide the material consists mainly of brown and clear glass and clay, with only 1% foraminifers and 5% nannofossils. Most of the CaCO₃ is micrite.</p> <p>The core is moderately to highly fractured by drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <thead> <tr> <th></th> <th>1, 30</th> <th>1, 33</th> <th>1, 41</th> <th>1, 51</th> <th>1, 55</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>M</td> <td>M</td> <td>M</td> <td>M</td> <td>M</td> </tr> </tbody> </table> <p>TEXTURE:</p> <table border="1"> <thead> <tr> <th></th> <th>60</th> <th>20</th> <th>90</th> <th>—</th> <th>—</th> </tr> </thead> <tbody> <tr> <td>Sand</td> <td>60</td> <td>20</td> <td>90</td> <td>—</td> <td>—</td> </tr> <tr> <td>Silt</td> <td>30</td> <td>80</td> <td>10</td> <td>25</td> <td>70</td> </tr> <tr> <td>Clay</td> <td>10</td> <td>—</td> <td>—</td> <td>75</td> <td>30</td> </tr> </tbody> </table> <p>COMPOSITION:</p> <table border="1"> <thead> <tr> <th></th> <th>Tr</th> <th>—</th> <th>Tr</th> <th>Tr</th> <th>—</th> </tr> </thead> <tbody> <tr> <td>Accessory minerals</td> <td>Tr</td> <td>—</td> <td>Tr</td> <td>Tr</td> <td>—</td> </tr> <tr> <td>Clay</td> <td>10</td> <td>—</td> <td>—</td> <td>35</td> <td>20</td> </tr> <tr> <td>Feldspar</td> <td>Tr</td> <td>—</td> <td>1</td> <td>2</td> <td>1</td> </tr> <tr> <td>Foraminifers</td> <td>1</td> <td>—</td> <td>Tr</td> <td>1</td> <td>1</td> </tr> <tr> <td>Glass</td> <td>87</td> <td>100</td> <td>97</td> <td>20</td> <td>53</td> </tr> <tr> <td>Micrite</td> <td>—</td> <td>Tr</td> <td>Tr</td> <td>37</td> <td>20</td> </tr> <tr> <td>Nannofossils</td> <td>2</td> <td>Tr</td> <td>—</td> <td>5</td> <td>5</td> </tr> <tr> <td>Opauques</td> <td>—</td> <td>—</td> <td>Tr</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Rock fragment</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Zeolite</td> <td>—</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		1, 30	1, 33	1, 41	1, 51	1, 55	M	M	M	M	M	M		60	20	90	—	—	Sand	60	20	90	—	—	Silt	30	80	10	25	70	Clay	10	—	—	75	30		Tr	—	Tr	Tr	—	Accessory minerals	Tr	—	Tr	Tr	—	Clay	10	—	—	35	20	Feldspar	Tr	—	1	2	1	Foraminifers	1	—	Tr	1	1	Glass	87	100	97	20	53	Micrite	—	Tr	Tr	37	20	Nannofossils	2	Tr	—	5	5	Opauques	—	—	Tr	—	Tr	Rock fragment	—	—	—	—	Tr	Zeolite	—	—	2	—	—
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SITE 788 HOLE D CORE 16R CORED INTERVAL 364.3-374.0 mbsf

TIME-ROCK UNIT	BIGSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																	
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				$\phi = 60.8$ $\phi = 50.1$ $\phi = 2.2$								<p>VITRIC SILTSTONE AND VITRIC SANDSTONE</p> <p>Major lithology: Much of the core is VITRIC SANDSTONE. Section 1, 34-61 cm, is dark gray (5GY 4/1) and contains pumice granules and foraminifers. From 61-72 cm the sediment is black (N2), and also contains pebbles and granules.</p> <p>Minor lithologies: Section 1, 18-34 cm, is dark gray (5GY 4/1) and dark gray (5Y 4/1), highly bioturbated VITRIC SILTSTONE. One burrow is filled with sand. The top 4 cm are olive black (5Y 2/1) CLAYEY VITRIC SILTSTONE. The interval from 7-18 cm is gray (5Y 6/1) MICRITE-RICH VITRIC SILTY CLAYSTONE with pumice granules.</p> <p>The core is moderately fractured by drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 13</td> <td>1, 31</td> </tr> <tr> <td></td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>—</td> <td>2</td> </tr> <tr> <td>Silt</td> <td>30</td> <td>78</td> </tr> <tr> <td>Clay</td> <td>70</td> <td>20</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Clay</td> <td>40</td> <td>20</td> </tr> <tr> <td>Feldspar</td> <td>Tr</td> <td>—</td> </tr> <tr> <td>Foraminifers</td> <td>Tr</td> <td>—</td> </tr> <tr> <td>Glass</td> <td>25</td> <td>80</td> </tr> <tr> <td>Micrite</td> <td>30</td> <td>—</td> </tr> <tr> <td>Nannofossils</td> <td>5</td> <td>—</td> </tr> </table>		1, 13	1, 31		M	D	Sand	—	2	Silt	30	78	Clay	70	20	Clay	40	20	Feldspar	Tr	—	Foraminifers	Tr	—	Glass	25	80	Micrite	30	—	Nannofossils	5	—
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