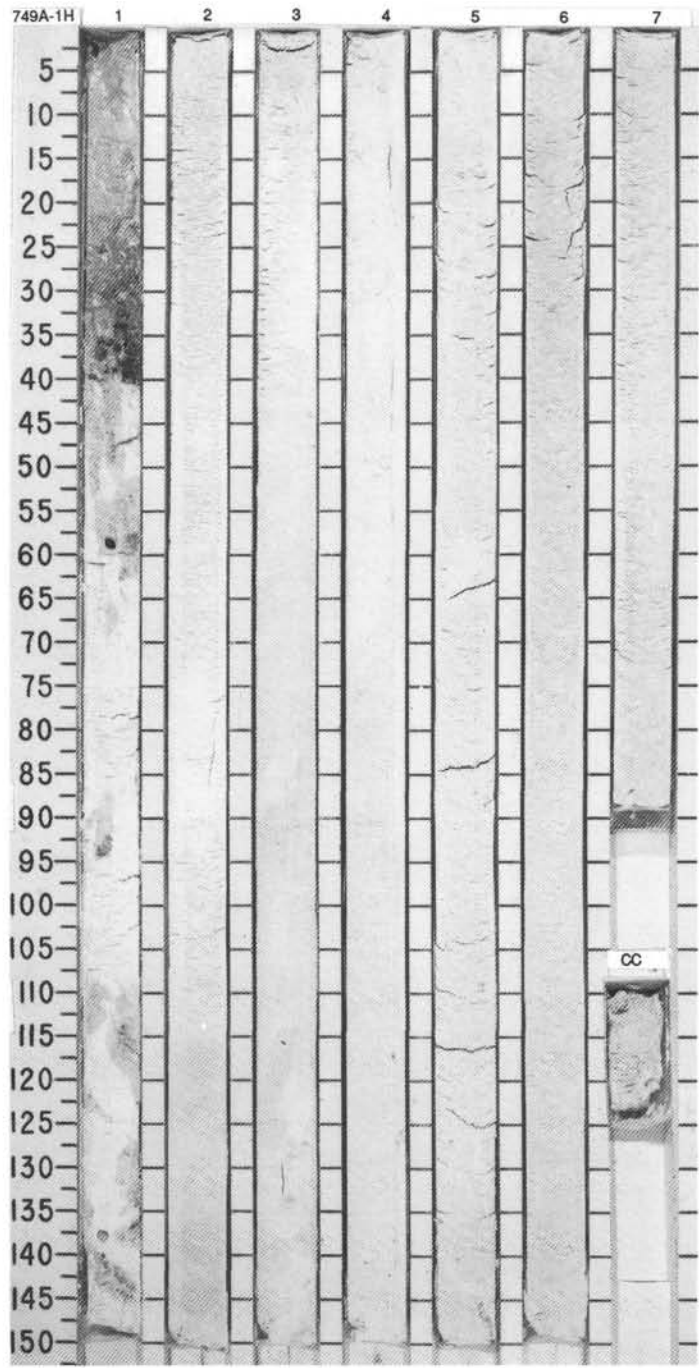
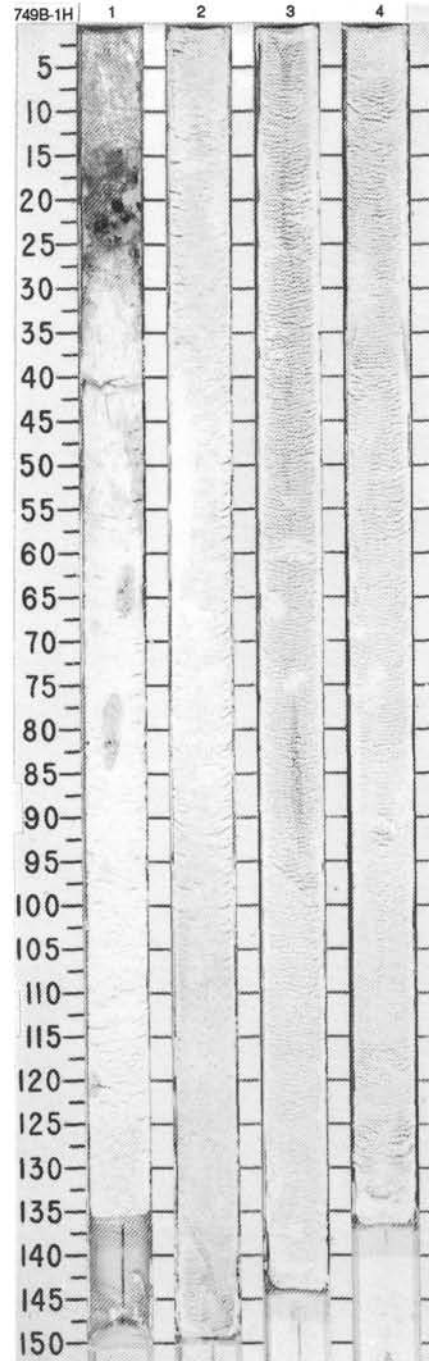


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION		
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS											DIATOMS	
MIDDLE PLIOCENE (LOWER PLEISTOCENE)	MIDDLE PLIOCENE (LOWER PLEISTOCENE)	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER OLIGOCENE	LOWER OLIGOCENE	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION



SITE 749 HOLE B CORE 1H CORED INTERVAL 0.0-5.8 mbsf

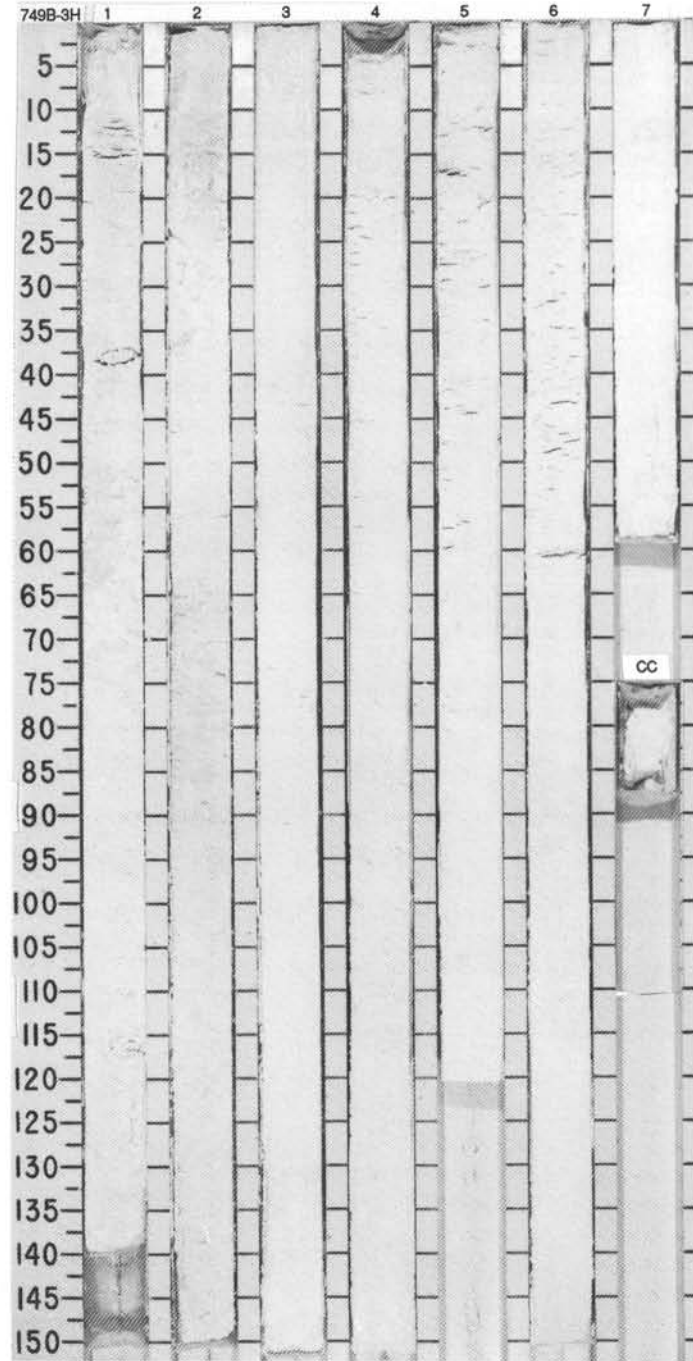
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																																																																										
UPPER OLILOCENE	MIDDLE PLIOCENE - (LOWER PLEISTOCENE)							1	0.5					* NANNOFOSSIL OOZE Major lithology: NANNOFOSSIL OOZE, white (whiter than 10YR 8/1), with intervals of darker or creamy white; from Section 1, 24 cm, to base of core. Minor lithologies: a. Diatom ooze with foraminifers and sand (ice-rafted debris), very pale brown (10YR 8/3), in Section 1, 0-12 cm. b. Calcareous siliceous ooze, gray (10YR 6/1), occurs in Section 1, 12-24 cm. Possibly a lag deposit, contains sand to pebble-sized grains including quartzite, granite, basalt, pumice, and potassium feldspar. Burrowing occurs in Section 1, 24-150 cm, mixing the ice-rafted debris into the ooze. Drilling disturbance: Flow-in occurs from Section 2, 135 cm, to the base of Section 4. SMEAR SLIDE SUMMARY (%): <table border="1"> <tr> <td></td> <td>1, 4</td> <td>1, 22</td> <td>1, 80</td> <td>2, 80</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>M</td> <td>D</td> </tr> </table> TEXTURE: <table border="1"> <tr> <td>Sand</td> <td>30</td> <td>15</td> <td>100</td> <td>2</td> </tr> <tr> <td>Silt</td> <td>65</td> <td>80</td> <td>—</td> <td>95</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> <td>—</td> <td>3</td> </tr> </table> COMPOSITION: <table border="1"> <tr> <td>Accessory minerals</td> <td>1</td> <td>5</td> <td>14</td> <td>—</td> </tr> <tr> <td>Altered grains</td> <td>—</td> <td>—</td> <td>3</td> <td>—</td> </tr> <tr> <td>Diatoms</td> <td>62</td> <td>49</td> <td>5</td> <td>—</td> </tr> <tr> <td>Feldspar</td> <td>3</td> <td>3</td> <td>5</td> <td>—</td> </tr> <tr> <td>Foraminifers</td> <td>20</td> <td>5</td> <td>40</td> <td>10</td> </tr> <tr> <td>Nannofossils</td> <td>1</td> <td>22</td> <td>—</td> <td>80</td> </tr> <tr> <td>Quartz</td> <td>7</td> <td>10</td> <td>10</td> <td>—</td> </tr> <tr> <td>Radiolarians</td> <td>3</td> <td>3</td> <td>10</td> <td>3</td> </tr> <tr> <td>Rock fragment</td> <td>—</td> <td>—</td> <td>3</td> <td>—</td> </tr> <tr> <td>Silicoflagellates</td> <td>1</td> <td>Tr</td> <td>—</td> <td>—</td> </tr> <tr> <td>Spicules</td> <td>2</td> <td>3</td> <td>10</td> <td>2</td> </tr> </table>		1, 4	1, 22	1, 80	2, 80		D	D	M	D	Sand	30	15	100	2	Silt	65	80	—	95	Clay	5	5	—	3	Accessory minerals	1	5	14	—	Altered grains	—	—	3	—	Diatoms	62	49	5	—	Feldspar	3	3	5	—	Foraminifers	20	5	40	10	Nannofossils	1	22	—	80	Quartz	7	10	10	—	Radiolarians	3	3	10	3	Rock fragment	—	—	3	—	Silicoflagellates	1	Tr	—	—	Spicules	2	3	10	2
	1, 4	1, 22	1, 80	2, 80																																																																																										
	D	D	M	D																																																																																										
Sand	30	15	100	2																																																																																										
Silt	65	80	—	95																																																																																										
Clay	5	5	—	3																																																																																										
Accessory minerals	1	5	14	—																																																																																										
Altered grains	—	—	3	—																																																																																										
Diatoms	62	49	5	—																																																																																										
Feldspar	3	3	5	—																																																																																										
Foraminifers	20	5	40	10																																																																																										
Nannofossils	1	22	—	80																																																																																										
Quartz	7	10	10	—																																																																																										
Radiolarians	3	3	10	3																																																																																										
Rock fragment	—	—	3	—																																																																																										
Silicoflagellates	1	Tr	—	—																																																																																										
Spicules	2	3	10	2																																																																																										
								2	VOID																																																																																					
								3																																																																																						
								4																																																																																						



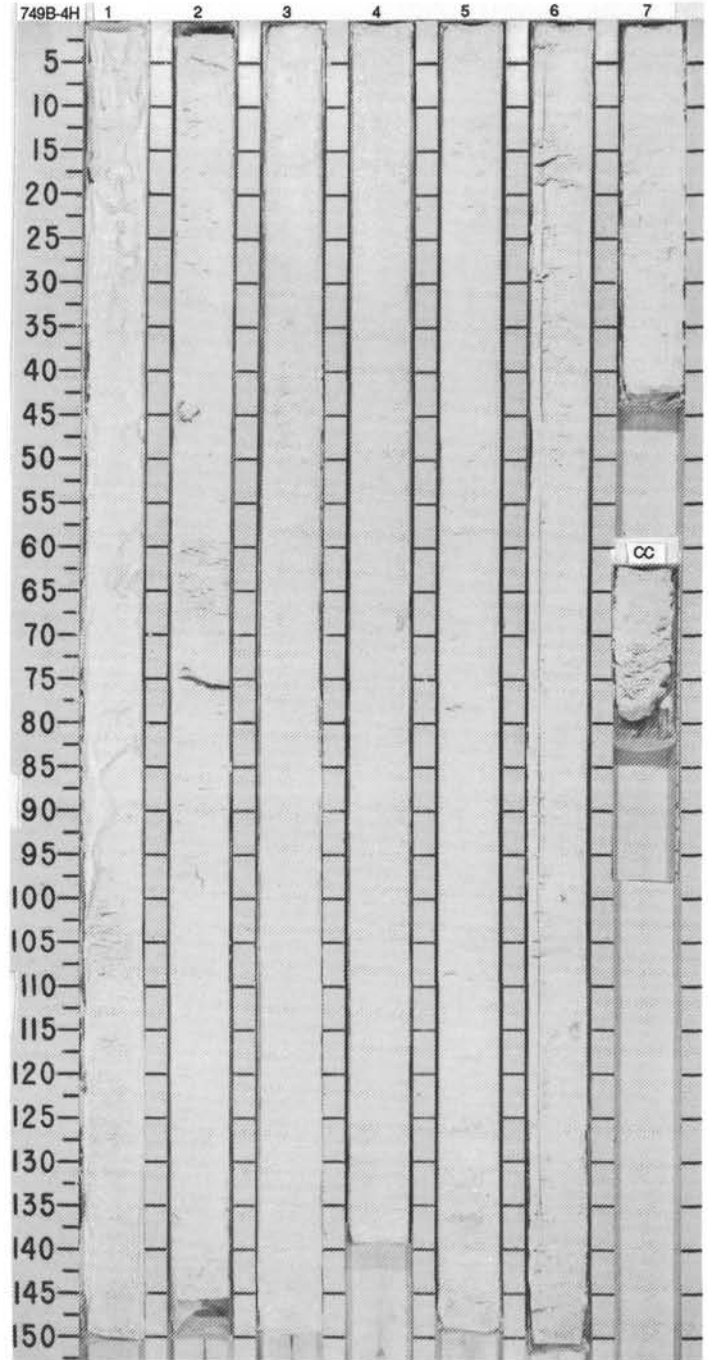


SITE 749 HOLE B CORE 3H CORED INTERVAL 15.3-24.8 mbsf

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 EOCENE	NP19-NP22 ?							0.5 1.0					<p>NANNOFOSSIL OOZE</p> <p>Major lithology: NANNOFOSSIL OOZE, white (2.5Y N8), firm, slightly bioturbated in some intervals. An ash-enriched interval wherein the core is sprinkled with black specks occurs in Section 2, 50-70 cm. Thin mollusc fragments occur in Section 1, 112 cm. A pyrite-enriched interval occurs in Section 2, 0-27 cm, and is mottled with light gray (2.5Y N7).</p> <p>Minor lithology: Nannofossil ooze with foraminifers, white (2.5Y 8/2), slightly darker than nannofossil ooze; occurs in Section 1, 0-64 cm, and in Section 2, 0-27 cm and 60-100 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2.89</td> <td>6.18</td> <td>6.50</td> </tr> <tr> <td>D</td> <td></td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>8</td> <td>5</td> <td>7</td> </tr> <tr> <td>Silt</td> <td>88</td> <td>92</td> <td>91</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>3</td> <td>2</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Diatoms</td> <td>—</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Foraminifers</td> <td>10</td> <td>10</td> <td>7</td> </tr> <tr> <td>Glass</td> <td>Tr</td> <td>—</td> <td>—</td> </tr> <tr> <td>Nannofossils</td> <td>90</td> <td>84</td> <td>92</td> </tr> <tr> <td>Pyrite</td> <td>—</td> <td>3</td> <td>—</td> </tr> <tr> <td>Radiolarians</td> <td>—</td> <td>—</td> <td>Tr</td> </tr> <tr> <td>Spicules</td> <td>Tr</td> <td>3</td> <td>1</td> </tr> </table>		2.89	6.18	6.50	D		M	D	Sand	8	5	7	Silt	88	92	91	Clay	4	3	2	Diatoms	—	—	Tr	Foraminifers	10	10	7	Glass	Tr	—	—	Nannofossils	90	84	92	Pyrite	—	3	—	Radiolarians	—	—	Tr	Spicules	Tr	3	1
	2.89	6.18	6.50																																																										
D		M	D																																																										
Sand	8	5	7																																																										
Silt	88	92	91																																																										
Clay	4	3	2																																																										
Diatoms	—	—	Tr																																																										
Foraminifers	10	10	7																																																										
Glass	Tr	—	—																																																										
Nannofossils	90	84	92																																																										
Pyrite	—	3	—																																																										
Radiolarians	—	—	Tr																																																										
Spicules	Tr	3	1																																																										
A/G	NP18	NP19-NP22 ?					1.5 2.0																																																						
C/P	Not zoned						2.5 3.0																																																						
	C. superbus						3.5 4.0																																																						
	Not zoned						4.5 5.0																																																						
							5.5 6.0																																																						
							6.5 7.0																																																						
							7.5 8.0																																																						



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																																										
UPPER EOCENE	<i>Globigeropsis index</i> NP18								0.5 1.0					<p>NANNOFOSSIL OOZE WITH FORAMINIFERS</p> <p>Major lithology: NANNOFOSSIL OOZE with FORAMINIFERS, white (2.5Y 8/2), occurs in Sections 1 through 5; foraminifer content decreases in Section 5. A mollusc fragment occurs in Section 2, 43 cm.</p> <p>Minor lithology: Nannofossil ooze, white (2.5Y N8), occurs in Section 6 through the base of the core. Ooze is slightly bioturbated in some intervals or faintly mottled with pale yellow (2.5Y 8/4) noncalcareous grains throughout; a burrow filled with this material occurs in Section 6, 99 cm.</p> <p>Drilling disturbance: Section 1, 0-103 cm, is highly disturbed by drilling; Section 3, 0-70 cm, is disturbed along the sides of the core.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2, 50</td> <td>4, 60</td> <td>6, 50</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>7</td> <td>9</td> <td>3</td> </tr> <tr> <td>Silt</td> <td>90</td> <td>89</td> <td>93</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>2</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>10</td> <td>11</td> <td>7</td> </tr> <tr> <td>Nannofossils</td> <td>90</td> <td>89</td> <td>93</td> </tr> <tr> <td>Spicules</td> <td>—</td> <td>—</td> <td>Tr</td> </tr> </table>		2, 50	4, 60	6, 50	D	D	D	D	Sand	7	9	3	Silt	90	89	93	Clay	3	2	4	Foraminifers	10	11	7	Nannofossils	90	89	93	Spicules	—	—	Tr
	2, 50	4, 60	6, 50																																											
D	D	D	D																																											
Sand	7	9	3																																											
Silt	90	89	93																																											
Clay	3	2	4																																											
Foraminifers	10	11	7																																											
Nannofossils	90	89	93																																											
Spicules	—	—	Tr																																											
A/G	<i>Melosira architecturalis</i>								2																																					
R/P	Barren								3																																					
									4																																					
									5																																					
									6																																					
									7																																					
									CC																																					



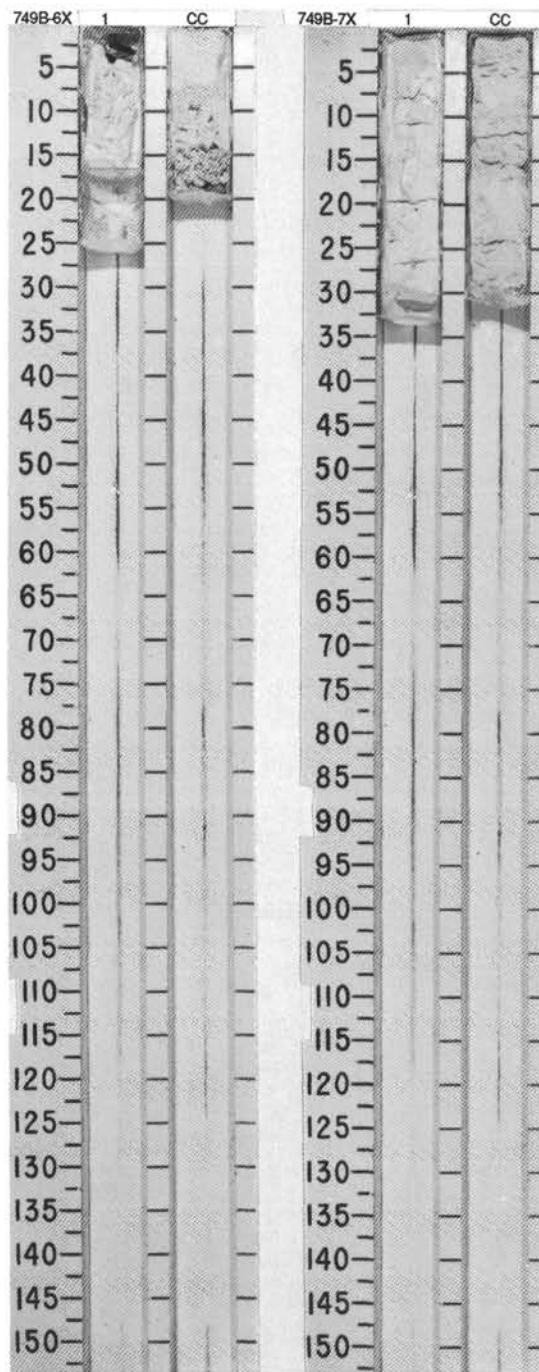


SITE 749 HOLE B CORE 6X CORED INTERVAL 43.8-53.3 mbsf

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 EOCENE	<i>Acarina primitiva</i>							1						<p>NANNOFOSSIL OOZE WITH FORAMINIFERS</p> <p>Major lithology: NANNOFOSSIL OOZE with FORAMINIFERS, white (5Y 8/2), firm and homogeneous throughout, with no recognizable bedding features.</p> <p>Minor lithology: Chert, very dark grayish brown (2.5Y 3/2), occurs as fragments in Section 1, 0-3 cm, containing ghost figures of foraminifers. Chert fragments in CC have chalk and porcellanite crusts.</p> <p>Drilling disturbance: Core is soupy throughout; CC is highly disturbed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>CC, 9</td> </tr> <tr> <td></td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>15</td> </tr> <tr> <td>Silt</td> <td>81</td> </tr> <tr> <td>Clay</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Foraminifers</td> <td>20</td> </tr> <tr> <td>Nannofossils</td> <td>80</td> </tr> </table>		CC, 9		D	Sand	15	Silt	81	Clay	4	Foraminifers	20	Nannofossils	80
	CC, 9																											
	D																											
Sand	15																											
Silt	81																											
Clay	4																											
Foraminifers	20																											
Nannofossils	80																											
	NP16? (not older than NP15)							CC																				

SITE 749 HOLE B CORE 7X CORED INTERVAL 53.3-62.8 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																																																		
MIDDLE EOCENE	<i>Acarina primitiva</i>							1						<p>FORAMINIFER NANNOFOSSIL OOZE</p> <p>Major lithology: FORAMINIFER NANNOFOSSIL OOZE, white (2.5Y N8) to light gray (2.5Y 7/2), with purple pyritic splotches may represent that bioturbation; core is too highly disturbed to determine their true nature. Darker gray intervals, especially in CC, are much richer in foraminifers.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>1, 19</td> <td>1, 25</td> <td>CC, 10</td> </tr> <tr> <td></td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>10</td> <td>7</td> <td>20</td> </tr> <tr> <td>Silt</td> <td>86</td> <td>90</td> <td>76</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>3</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Calcite</td> <td>-</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Foraminifers</td> <td>10</td> <td>7</td> <td>25</td> </tr> <tr> <td>Nannofossils</td> <td>87</td> <td>89</td> <td>72</td> </tr> <tr> <td>Radiolarians</td> <td>1</td> <td>1</td> <td>Tr</td> </tr> <tr> <td>Spicules</td> <td>2</td> <td>3</td> <td>3</td> </tr> </table>		1, 19	1, 25	CC, 10		D	D	D	Sand	10	7	20	Silt	86	90	76	Clay	4	3	4	Calcite	-	Tr	Tr	Foraminifers	10	7	25	Nannofossils	87	89	72	Radiolarians	1	1	Tr	Spicules	2	3	3
	1, 19	1, 25	CC, 10																																																			
	D	D	D																																																			
Sand	10	7	20																																																			
Silt	86	90	76																																																			
Clay	4	3	4																																																			
Calcite	-	Tr	Tr																																																			
Foraminifers	10	7	25																																																			
Nannofossils	87	89	72																																																			
Radiolarians	1	1	Tr																																																			
Spicules	2	3	3																																																			
	NP16? (not older than NP15)							CC	0.5																																													







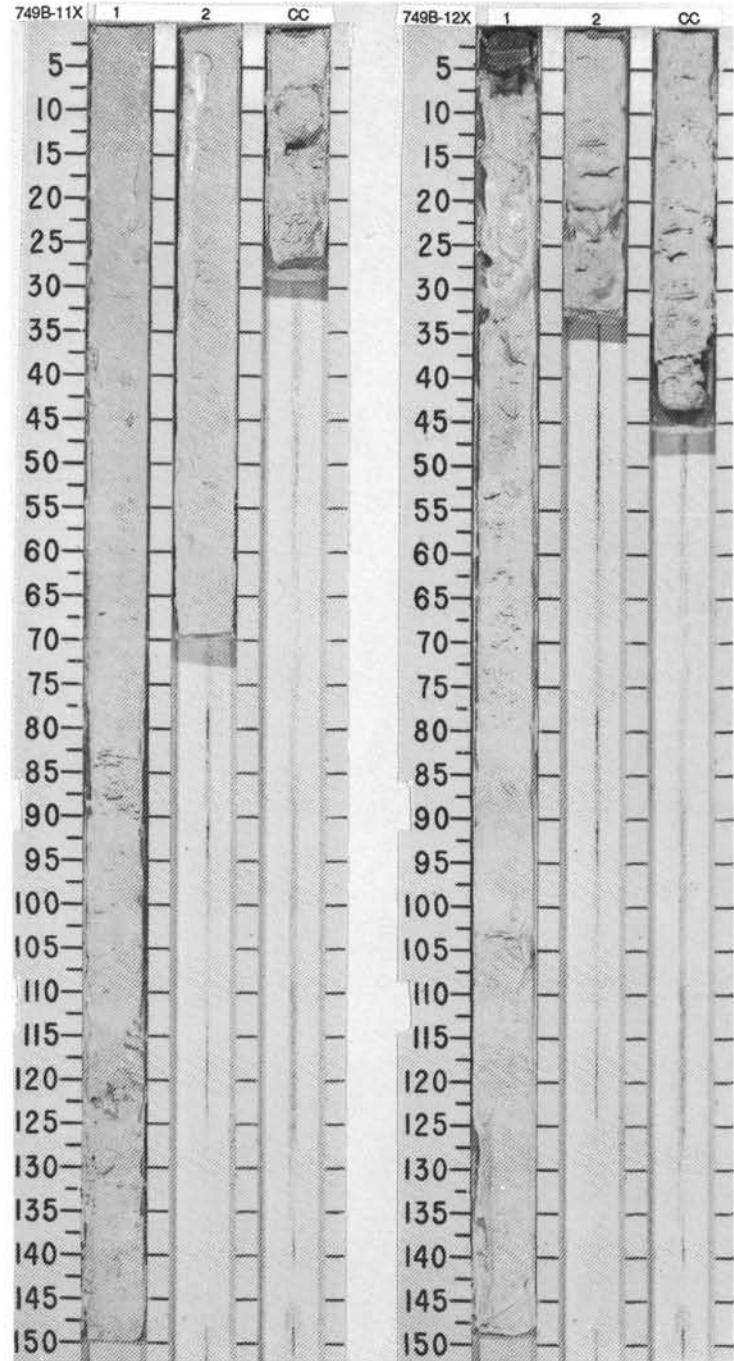


## SITE 749 HOLE B CORE 11X CORED INTERVAL 91.3-100.8 mbsf

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																								
MIDDLE EOCENE	<i>Acararina pentacamerata</i> - <i>Acararina densa</i>							1	0.5 1.0				*	<p>NANNOFOSSIL OOZE WITH FORAMINIFERS</p> <p>Major lithology: NANNOFOSSIL OOZE with FORAMINIFERS, white (whiter than 10YR 8/1) to creamy white</p> <p>Minor lithology: Chert, olive black, occurs in Section 1, 120 cm, as a single chip, and as sand-sized fragments in CC.</p> <p>Drilling disturbance: Severely disturbed by drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td>1,60</td></tr> <tr><td>D</td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Sand</td><td>10</td></tr> <tr><td>Silt</td><td>90</td></tr> <tr><td>Clay</td><td>-</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Calcareous fragments</td><td>1</td></tr> <tr><td>Foraminifers</td><td>15</td></tr> <tr><td>Nannofossils</td><td>80</td></tr> </table>	1,60	D	Sand	10	Silt	90	Clay	-	Calcareous fragments	1	Foraminifers	15	Nannofossils	80
1,60																												
D																												
Sand	10																											
Silt	90																											
Clay	-																											
Calcareous fragments	1																											
Foraminifers	15																											
Nannofossils	80																											
	A/G NP15						2																					
	Barrén						CC																					
	A/G																											
	Barrén																											

## SITE 749 HOLE B CORE 12X CORED INTERVAL 100.8-110.3 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 EOCENE	<i>Acararina pentacamerata</i> - <i>Acararina densa</i>							1	0.5 1.0				*	<p>NANNOFOSSIL OOZE</p> <p>Major lithology: NANNOFOSSIL OOZE, white (whiter than 10YR 8/1); faintly mottled in Section 1.</p> <p>Minor lithology: Chert, occurs as a large fragment in the top of Section 1; shows light, parallel layering in an olive matrix.</p> <p>Drilling disturbance: Severely disturbed.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td>1,70</td></tr> <tr><td>D</td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Sand</td><td>1</td></tr> <tr><td>Silt</td><td>95</td></tr> <tr><td>Clay</td><td>2</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Calcareous fragments</td><td>1</td></tr> <tr><td>Foraminifers</td><td>5</td></tr> <tr><td>Nannofossils</td><td>93</td></tr> </table>	1,70	D	Sand	1	Silt	95	Clay	2	Calcareous fragments	1	Foraminifers	5	Nannofossils	93
1,70																												
D																												
Sand	1																											
Silt	95																											
Clay	2																											
Calcareous fragments	1																											
Foraminifers	5																											
Nannofossils	93																											
	A/G NP14 (upper part) or lowermost NP15						2																					
	Barrén						CC																					
	Barrén																											



SITE 749 HOLE B CORE 13X CORED INTERVAL 110.3-119.8 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																											
LOWER MIDDLE EOCENE	<i>Acarinina pentacamerata</i> - <i>Acarinina densa</i>	A/G NP14 (lower part)	Barren				1	0.5 1.0				<p>NANNOFOSSIL OOZE</p> <p>Major lithology: NANNOFOSSIL OOZE, uniformly white (10Y 8/1), darker in Section 1, 10-110 cm; structureless; moderately disturbed. Smear slides show evidence of 40% micarb from dissolution and overgrowth effects.</p> <p>Minor lithology: Chert, occurs as fragments in Section 1, 0 cm (olive brown with pale, parallel layering and chalk patina) and 120 cm (olive).</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>1,70</td> </tr> <tr> <td>D</td> <td></td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>—</td> </tr> <tr> <td>Silt</td> <td>95</td> </tr> <tr> <td>Clay</td> <td>2</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Calcareous fragments</td> <td>3</td> </tr> <tr> <td>Foraminifers</td> <td>7</td> </tr> <tr> <td>Micrite</td> <td>30</td> </tr> <tr> <td>Nannofossils</td> <td>60</td> </tr> </table>		1,70	D		Sand	—	Silt	95	Clay	2	Calcareous fragments	3	Foraminifers	7	Micrite	30	Nannofossils	60
	1,70																													
D																														
Sand	—																													
Silt	95																													
Clay	2																													
Calcareous fragments	3																													
Foraminifers	7																													
Micrite	30																													
Nannofossils	60																													

SITE 749 HOLE B CORE 14X CORED INTERVAL 119.8-123.8 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									
							CC					No recovery (apart from nannofossil sample).



SITE 749 HOLE C CORE 1R CORED INTERVAL 102.0-111.5 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									
undetermined	no sample												CHERT AND PORCELLANITE Major lithology: CHERT and PORCELLANITE, gray, occurs as a drilling breccia in CC.

SITE 749 HOLE C CORE 2R CORED INTERVAL 111.5-121.0 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									
undetermined	no sample	no sample	no sample										CHERT Major lithology: CHERT, occurs as sand-sized fragments in CC.



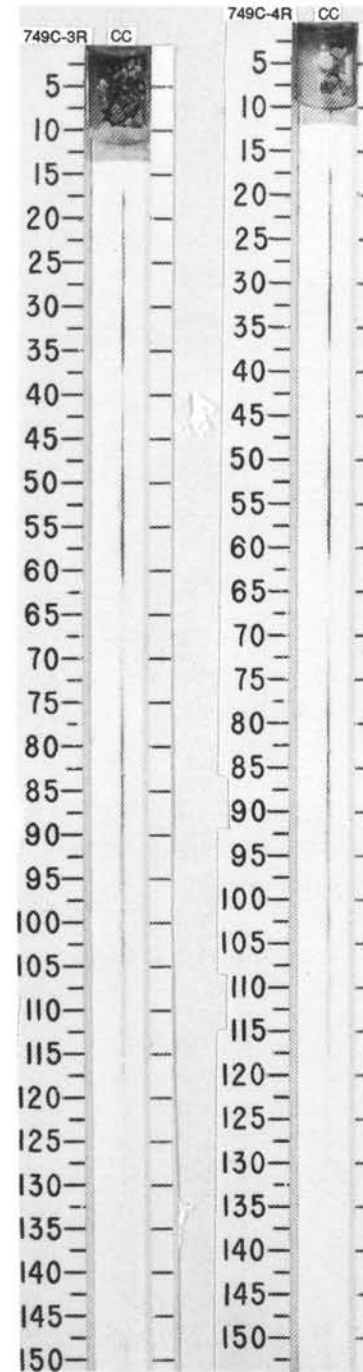
SITE 749 HOLE C CORE 3R CORED INTERVAL 121.0-130.5 mbsf

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									
undetermined													CHERT AND PORCELLANITIC CHERT Major lithology: CHERT and PORCELLANITIC CHERT, brown, occurs as fragments in CC.
no sample													
no sample													

SITE 749 HOLE C CORE 4R CORED INTERVAL 130.5-140.0 mbsf

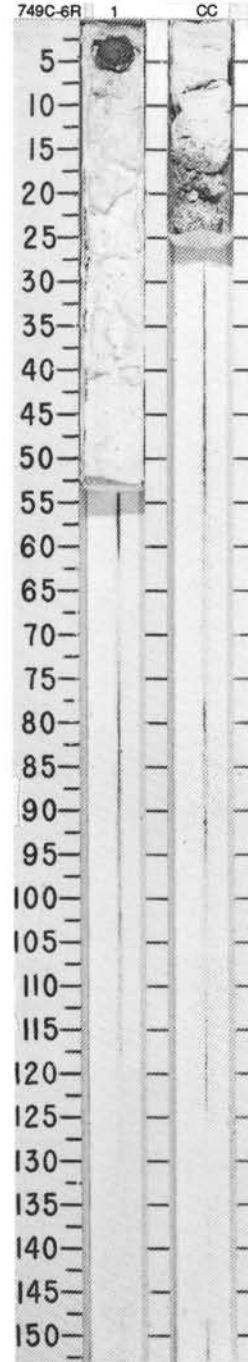
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS									
undetermined													CHERT and PORCELLANITE Major lithology: CHERT and PORCELLANITE, occurs as pebble-sized fragments in CC.
no sample													
no sample													

CORE 120-749C-5R NO RECOVERY

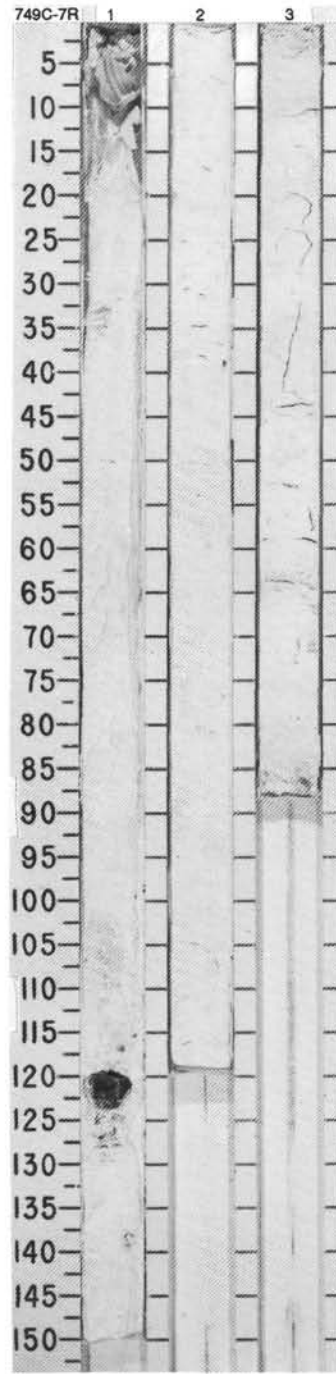


SITE 749 HOLE C CORE 6R CORED INTERVAL 149.5-159.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMIFERS	NANNOFOSSILS	RADIOLARIANS	DIALOMS										
UPPER LOWER EOCENE								1						<p>NANNOFOSSIL OOZE</p> <p>Major lithology: NANNOFOSSIL OOZE, white (whiter than 10Y 8/1), uniform, occurs in Section 1, 5-53 cm.</p> <p>Minor lithology: Chert, olive brown, occurs as fragments in Section 1, the 0-5 cm, and in CC.</p> <p>Drilling disturbance: Core is highly disturbed.</p>
<i>Acarinina wilcoxensis</i> (± P8)	A/M						CC							
	NP13													
	Barren													



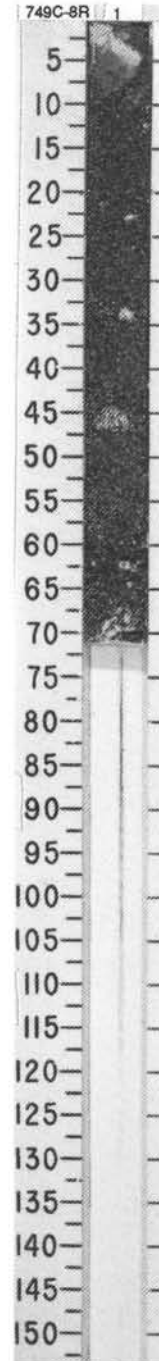
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS										
UPPER LOWER EOCENE													
	<i>Acarinina wilcoxensis</i>												
	NP13												
	Barren												
	Barren												
					0-59.66 1-1.78 2-1.81 3-1.81	96.0% 95.3%							
						%CaCO <sub>3</sub>							



SITE 749 HOLE C CORE 8R CORED INTERVAL 168.5-178.0 mbsf

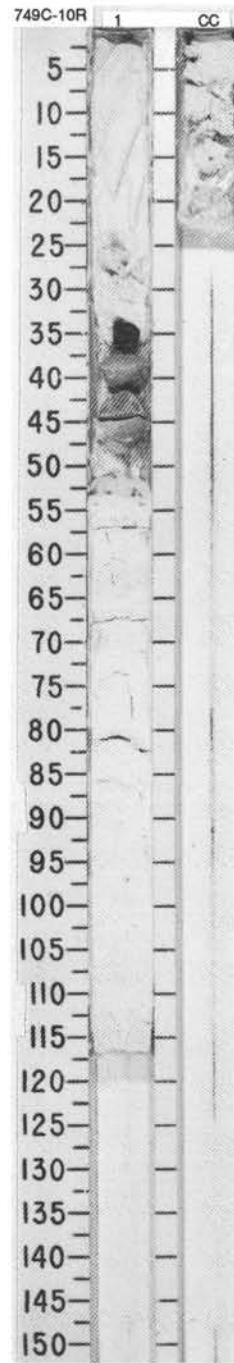
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS								
UPPER LOWER EOCENE	<i>Acarina wilcoxensis</i>	NPT3	Barrén	Barrén				1 0.5	▲▲▲▲▲▲▲▲▲▲ ▲▲▲▲▲▲▲▲▲▲ ▲▲▲▲▲▲▲▲▲▲	XX XX XX		CHERT Major lithology: CHERT, various shades of gray, occurs as drilling breccia. N.B.: No CC.

CORE 120-749C-9R NO RECOVERY





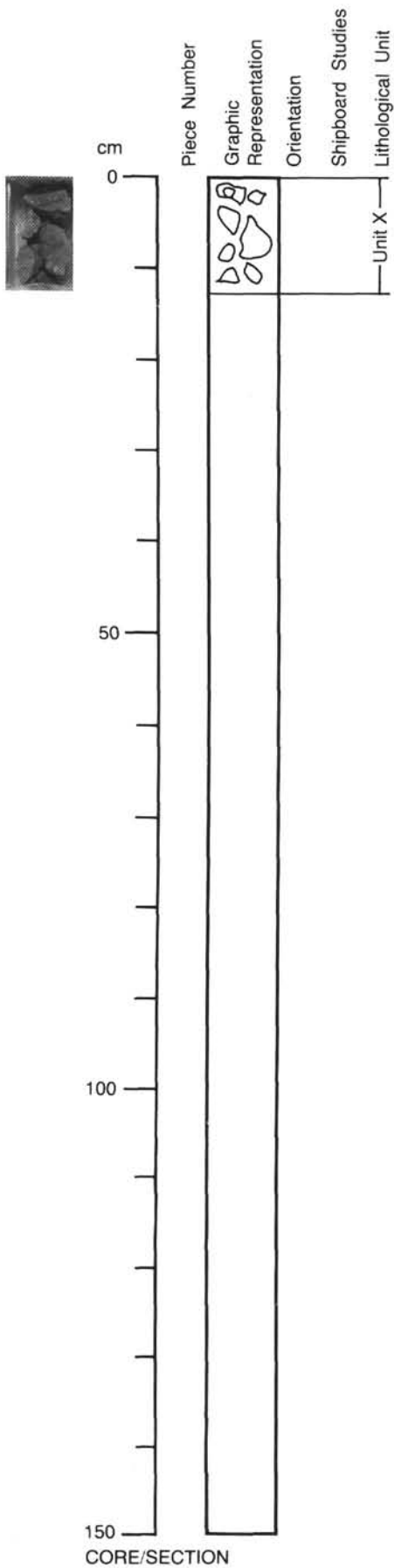
TIME - ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
MIDDLE LOWER EOCENE	<i>Acarinina wilcoxensis</i>							1	0.5 1.0					<p>NANNOFOSSIL CHALK WITH FORAMINIFERS</p> <p>Major lithology: NANNOFOSSIL CHALK with FORAMINIFERS, white (10YR 8/1), homogeneous throughout; moderately bioturbated (mottled). Bluish gray blotches that contain a trace of authigenic pyrite are scattered throughout.</p> <p>Minor lithology: chert, gray (10YR 5/1), occurs as fragments in Section 1, contains ghost figures of foraminifers.</p> <p>Drilling disturbance: soupy in Section 1, 0-52 cm; moderately fractured in Section 1, 52-116 cm; highly fractured in CC. A quartzite pebble (2 cm) occurs in Section 1, 33-34 cm, but probably is downhole contamination.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p>1, B2 D</p> <p>TEXTURE:</p> <p>Sand 7 Silt 90 Clay 3</p> <p>COMPOSITION:</p> <p>Foraminifers 2 Nannofossils 87 Spicules 1</p>
								CC						



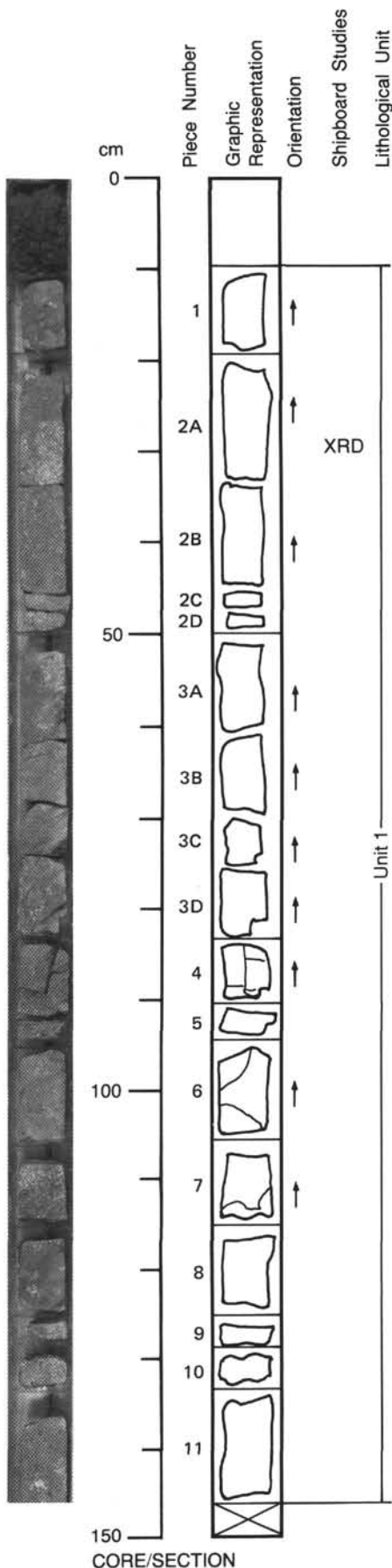
120-749C-11R-CC

**UNIT 1: APHYRIC, APHANITIC, ALTERED, VESICULAR BASALTS**

**CONTACTS:** See comments.  
**PHENOCRYSTS:** See comments.  
**GROUNDMASS:** See comments.  
**VESICLES:** See comments.  
**COLOR:** See comments.  
**STRUCTURE:** See comments.  
**ALTERATION:** See comments.  
**VEINS/FRACTURES:** See comments.  
**ADDITIONAL COMMENTS:** Green and red core, amygdules filled with zeolites and lined with green clay, calcite and zeolites.



120-749C-12R-1



**UNIT 1: DRILL CUTTINGS**

**CONTACTS:** Not determined.  
**PHENOCRYSTS:** Not determined.  
**GROUNDMASS:** Not determined.  
**VESICLES:** Not determined.  
**COLOR:** Gray-olive green.  
**STRUCTURE:** Not determined.  
**ALTERATION:** Not determined.

**UNIT 1: MODERATELY CLINOPYROXENE-PLAGIOCLASE PHYRIC AUTOBRECCIATED BASALT**

**Pieces 1-11**

**CONTACTS:** Not determined.  
**PHENOCRYSTS:**  
 Plagioclase - 1%, 1 mm.  
 Clinopyroxene - 3%, 1-2 mm.  
**GROUNDMASS:** Microcrystalline.  
**VESICLES:** Pieces 2A, 7, 9, and 10: up to 3%, 0.5-5 mm, highly vesicular with an irregular shape to rounded, infilled with some calcite and zeolites.  
**COLOR:** Pieces 1 and 2: gray. Piece 3A: gradual change from gray to yellowish brown. Pieces 3B-3D, 4, and 5: mainly light yellowish brown. Piece 6: top - yellowish brown, bottom - gray. In both top and bottom parts different colored portion has a sharp contact. Pieces 7 to 9: gray.  
**STRUCTURE:** Not determined.  
**ALTERATION:** Gray colored part moderately altered, yellowish brown part highly altered.  
**VEINS/FRACTURES:** Not determined.

**UNIT 1: CONTINUED**

**Pieces 1-12**

**CONTACTS:** Not determined.

**PHENOCRYSTS:**

- Plagioclase - 1%, 1 mm.
- Clinopyroxene - 3%, 1-2 mm.

**GROUNDMASS:** Microcrystalline.

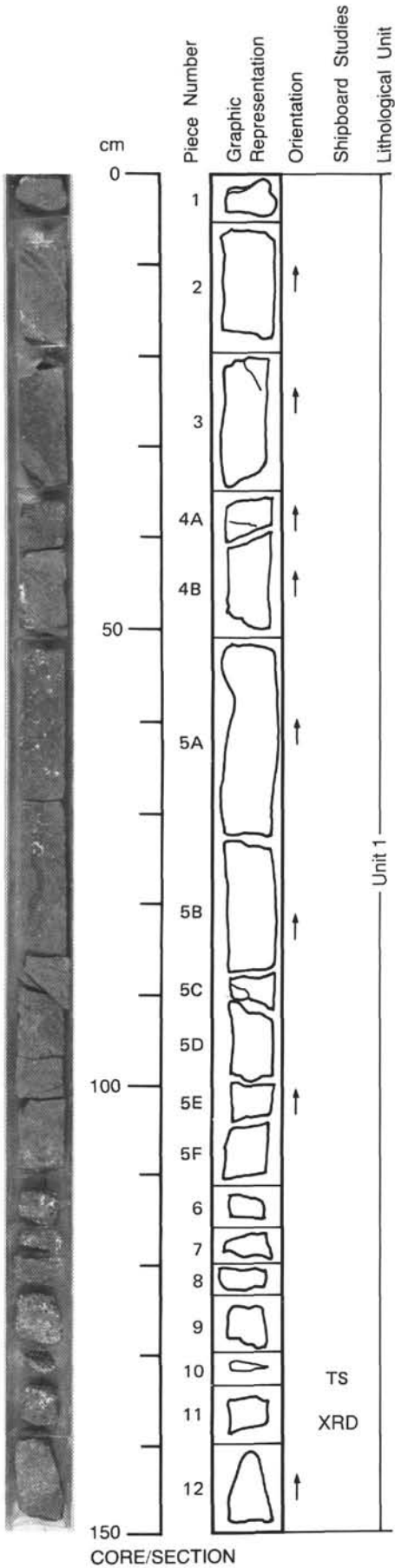
**VESICLES:** Pieces 6-12: up to 30%, 0.5-5 mm, highly vesicular with a irregular shape to rounded, infilled with some calcite and zeolites. Pieces 2-5: 0.5-1 mm wide, very elongated, filled with black minerals and zeolites.

**COLOR:** Gray.

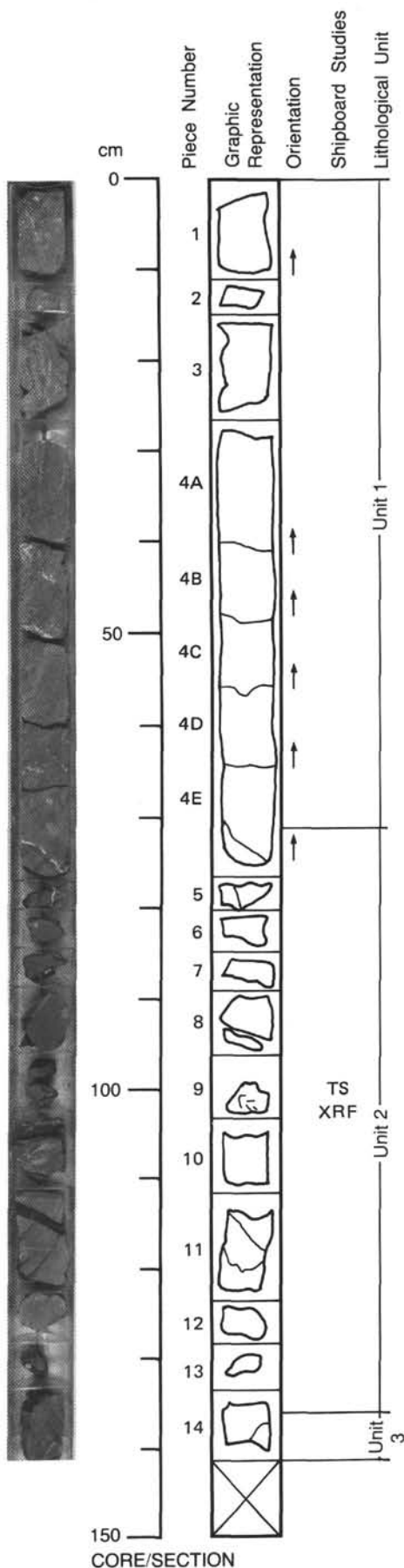
**STRUCTURE:** Not determined.

**ALTERATION:** Gray colored part moderately altered, yellowish brown part highly altered.

**VEINS/FRACTURES:** (?)%, 0.5-3 mm, low angle dip filled with calcite or high angle dip infilled with zeolites.



120-749C-12R-3



**UNIT 1: CONTINUED**

**Pieces 1-4E (Top)**

**CONTACTS:** Not determined.

**PHENOCRYSTS:**

Plagioclase - 1%, 1 mm.  
Clinopyroxene - 3%, 1-2 mm.

**GROUNDMASS:** Microcrystalline.

**VESICLES:** (?)%, 0.5-1 mm wide, very elongated, vesicles found in Pieces 1-4. Vesicles are filled with black minerals and zeolites.

**COLOR:** Pieces 1-4: gray.

**STRUCTURE:** Not determined.

**ALTERATION:** Gray-colored part moderately altered, yellowish brown part highly altered.

**VEINS/FRACTURES:** Not determined.

**ADDITIONAL COMMENTS:** This unit is autobrecciated. The fragments are angular with varied sizes (few mm up to few cm). The matrix is the same volcanic rock as the fragments but with a darker color.

**UNIT 2: MODERATELY CLINOPYROXENE-PLAGIOCLASE PHYRIC BASALT DIKE**

**Pieces 4E (Bottom)-14 (Top)**

**CONTACTS:** Dike has a 2-cm thick chilled margin with Unit 3.

**PHENOCRYSTS:**

Clinopyroxene - 3%, 0.3-1 mm, subhedral to euhedral.  
Plagioclase - 3%, 0.2-0.7 mm, subhedral to euhedral laths.

**GROUNDMASS:** Microcrystalline.

**VESICLES:** None.

**COLOR:** Dark gray.

**STRUCTURE:** Not determined.

**ALTERATION:** Fresh to slightly altered.

**VEINS/FRACTURES:** 0.5-2 mm infilled with calcite. Pieces 4E and 14: discordant contact between the dike and volcanic rocks of Units 1 and 3, respectively.

**UNIT 3: MODERATELY CLINOPYROXENE PHYRIC BASALT**

**12R-3, Pieces 11-14, and 12R-4, Pieces 1-18**

**CONTACTS:** Not determined.

**PHENOCRYSTS:** Clinopyroxene - 3%, 0.5 mm, subhedral

**GROUNDMASS:** Fine-grained.

**VESICLES:** > 1%, 0.5-2 mm, rounded, infilled with calcite.

**COLOR:** Pieces 12R-4, 1, 17, and 18: gray. Pieces 12R-4, 2-16: yellowish brown.

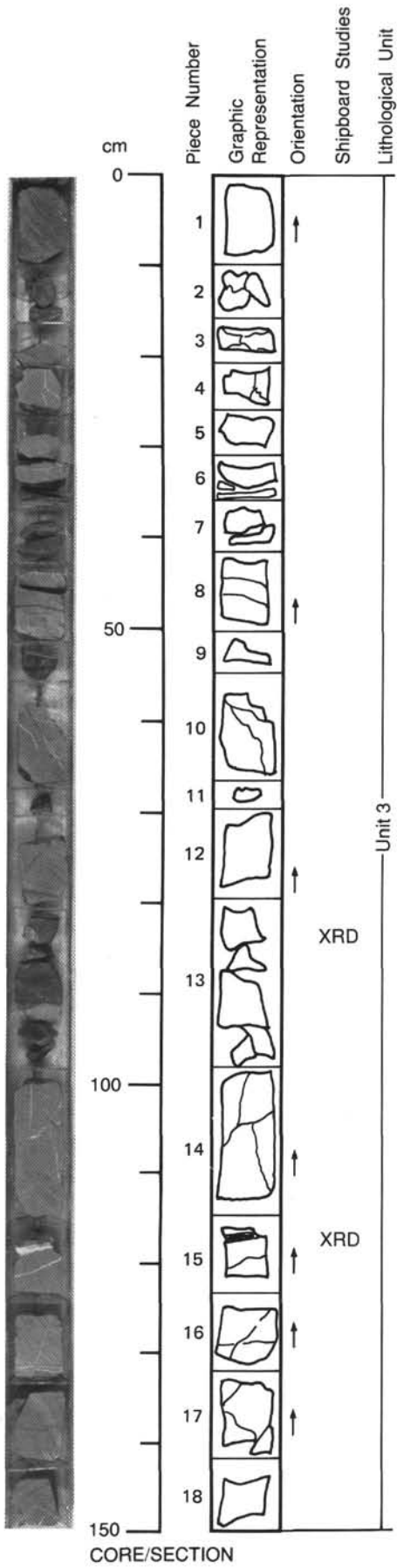
**STRUCTURE:** Not determined.

**ALTERATION:** Slight to moderate in gray basalts, highly altered in the yellowish brown basalts.

**VEINS/FRACTURES:** 0.5-1 cm thick, horizontal, steeply dipping conjugated veins. Piece 12R-4, 10: en echelon, infilled mainly with calcite. Pieces 12R-4, 13 and 15: horizontal veins, zoned (well visible on Piece 12R-4, 15), light green smectite, dark green clay mineral, and calcite.

12R-4, Pieces 1-18

See Section 120-749C-12R-3

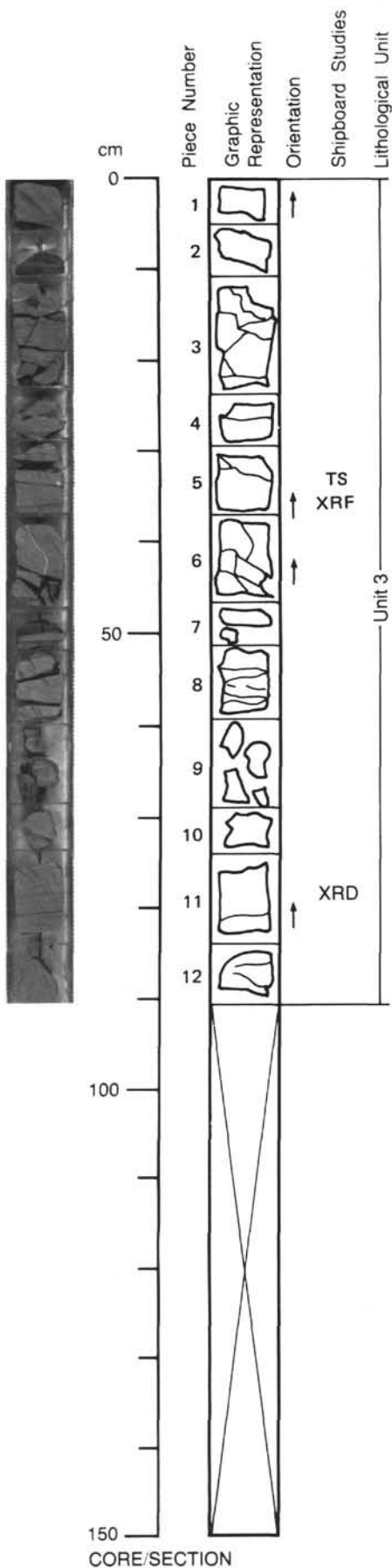


120-749C-12R-5

**UNIT 3: CONTINUED**

**Pieces 1-12**

**CONTACTS:** Not determined.  
**PHENOCRYSTS:** Clinopyroxene - 3%, 0.5 mm, subhedral.  
**GROUNDMASS:** Fine-grained.  
**VESICLES:** > 1%, 0.5-2 mm, rounded, infilled with calcite.  
**COLOR:** Gray.  
**STRUCTURE:** Not determined.  
**ALTERATION:** Slight to moderate in gray basalts, highly altered in the yellowish brown basalts.  
**VEINS/FRACTURES:** Piece 11: horizontal veins filled with a dark green smectite and brown goethite and hematite.



120-749C-15R-1

**UNIT 4: MODERATELY CLINOPYROXENE-PLAGIOCLASE PHYRIC BASALT**

**Pieces 1A-1T**

**CONTACTS:** Not determined.

**PHENOCRYSTS:**

Plagioclase - 1%, 1-2 mm, euhedral laths.

Clinopyroxene - 5%, 0.5-3 mm, subhedral.

**GROUNDMASS:** Fine-grained.

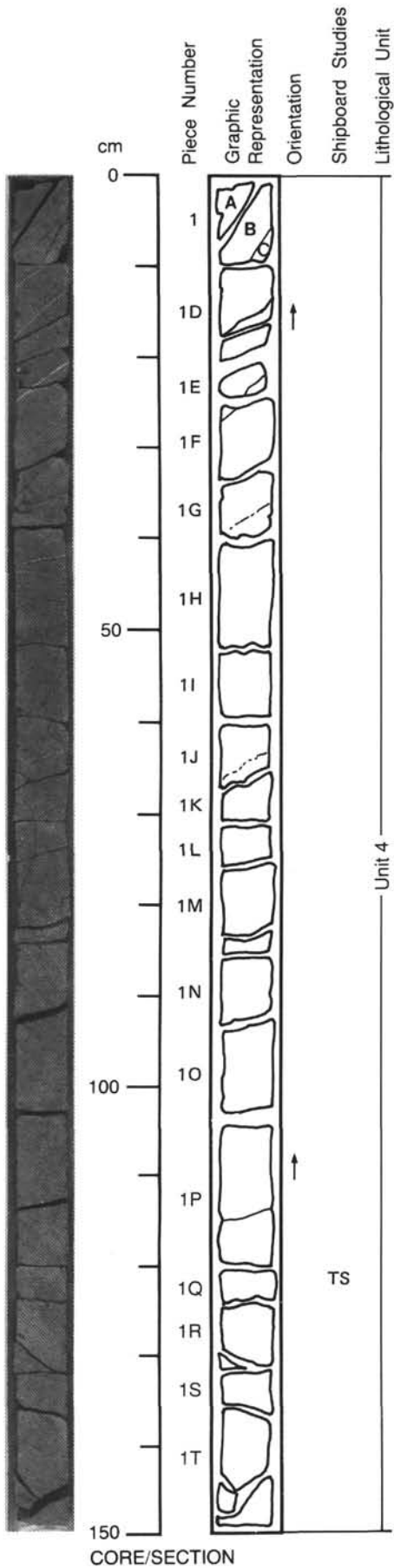
**VESICLES:** 1%, 1-2 mm, Infilled with calcite.

**COLOR:** Gray.

**STRUCTURE:** Not determined.

**ALTERATION:** Slight, some pyrite in fractures.

**VEINS/FRACTURES:** 0.5-3 mm, gently dipping, common in Pieces 1A to 1G, infilled with calcite. Some veins have brown-colored halo, up to 1 cm wide.





120-749C-15R-2

UNIT 4: CONTINUED

15R-2, Pieces 1-2, 15R-3, Pieces 1-2, and 15R-4, Pieces 1-3

CONTACTS: Not determined.

PHENOCRYSTS:

Plagioclase - 1%, 1-2 mm, euhedral laths.  
Clinopyroxene - 5%, 0.5-3, subhedral.

GROUNDMASS: Fine-grained.

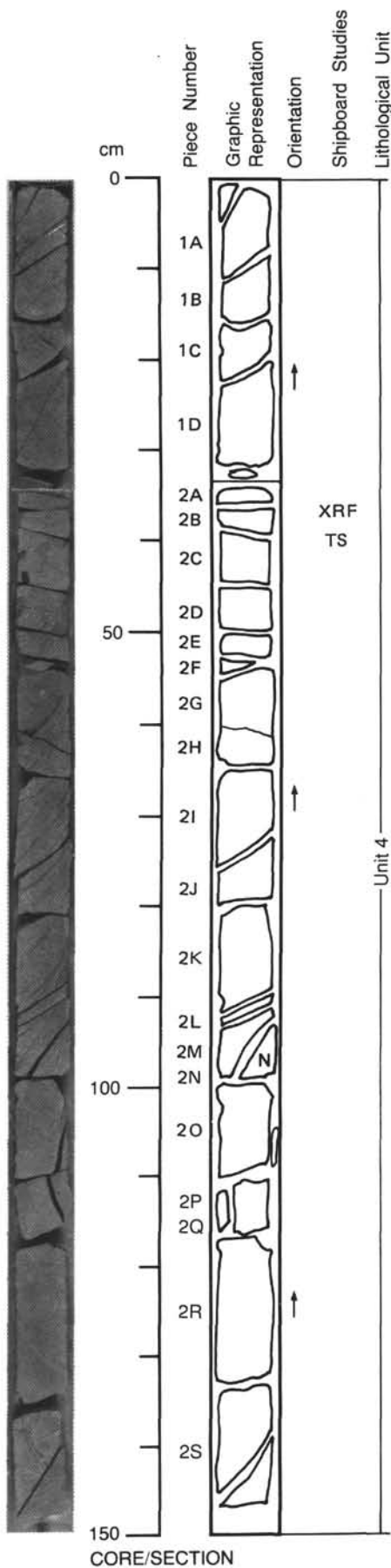
VESICLES: < 1%, 0.5 mm, filled with calcite.

COLOR: Gray.

STRUCTURE: Not determined.

ALTERATION: Slight, some pyrite in fractures.

VEINS/FRACTURES: (?)%, 0.5-2 mm, infilled with gray smectite, less common.

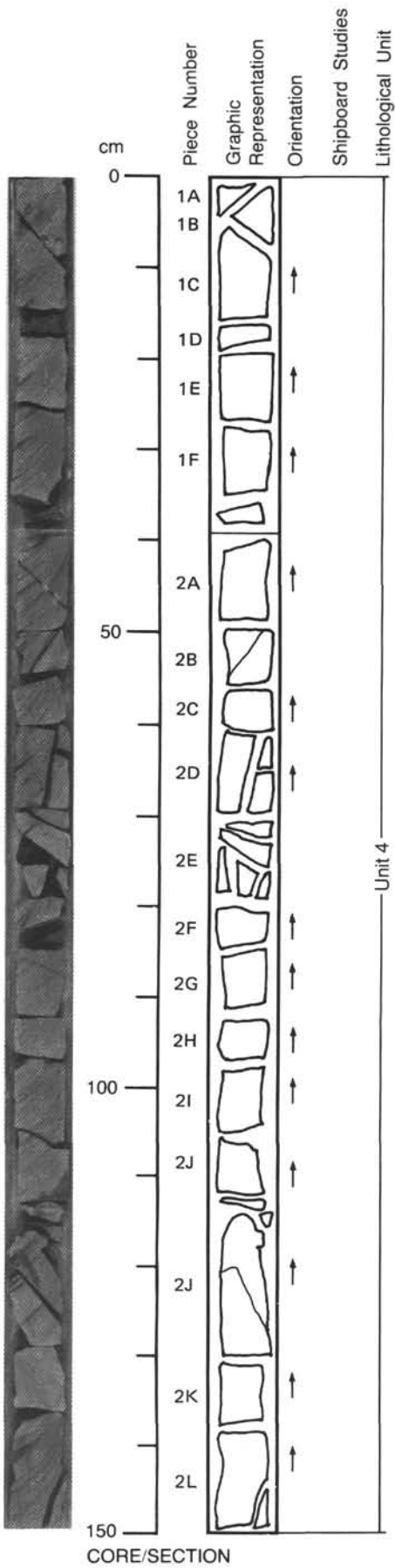


CORE/SECTION

UNIT 4: CONTINUED

Pieces 1-2

See Section 120-749C-15R-2

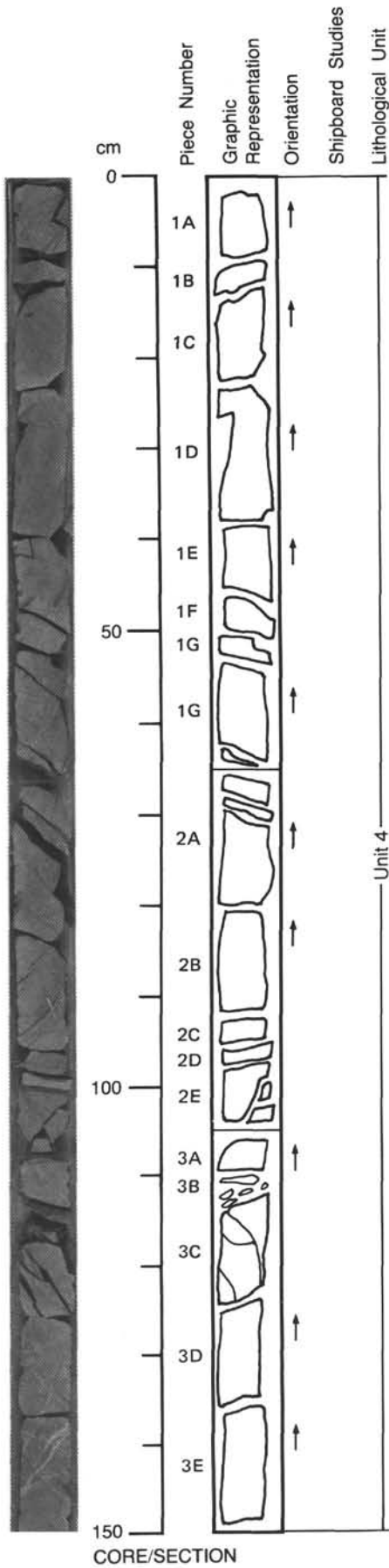


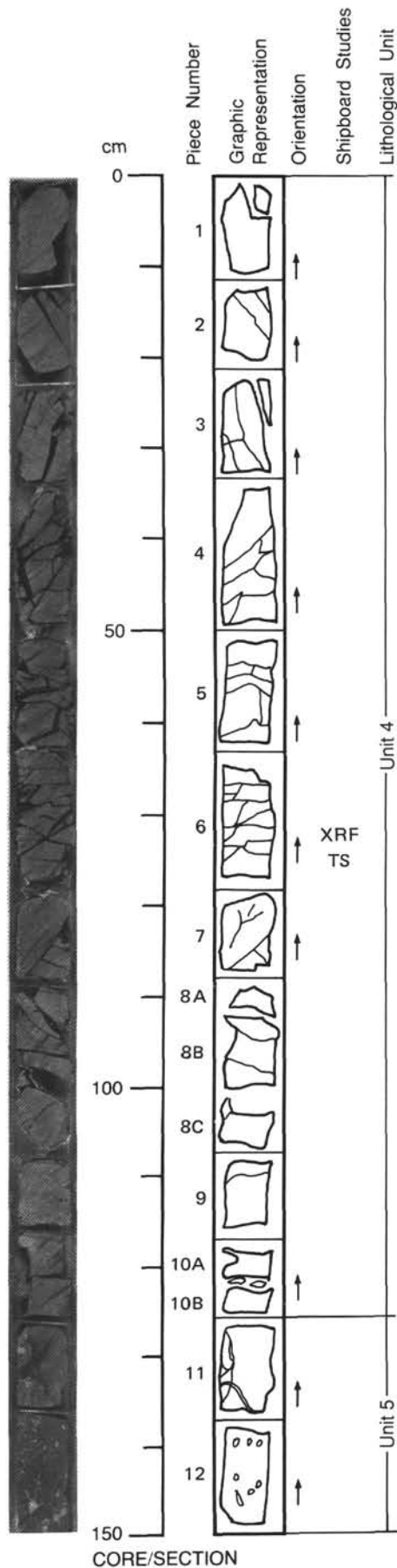
120-749C-15R-4

UNIT 4: CONTINUED

Pieces 1-3

See Section 120-749C-15R-2





**UNIT 4: CONTINUED**

**Pieces 1-10**

**CONTACTS:** Not determined.

**PHENOCRYSTS:**

- Plagioclase - 1%, 1-2 mm, euhedral laths.
- Clinopyroxene - 5%, 0.5-3 mm, subhedral.

**GROUNDMASS:** Fine-grained.

**VESICLES:** < 1%, 0.5 mm, filled with calcite.

**COLOR:** Gray.

**STRUCTURE:** Not determined.

**ALTERATION:** Slight, some pyrite in fractures.

**VEINS/FRACTURES:** (?)%, 0.5-2 mm, infilled with gray smectite.

**ADDITIONAL COMMENTS:** Becoming finer grained towards contact with Unit 5. Near contact boundary (Piece 10 and part of Piece 11), fine-grained and aphyric.

**UNIT 5: APHYRIC BASALT**

**Pieces 11 and 12**

**CONTACTS:** Not determined.

**PHENOCRYSTS:** Rare plagioclase.

**GROUNDMASS:** Very fine-grained.

**VESICLES:** 1%, 1-10 mm, round to subround, irregularly distributed, green clay, zeolites, and calcite filled.

**COLOR:** Gray to gray-green.

**STRUCTURE:** Not determined.

**ALTERATION:** Slight.

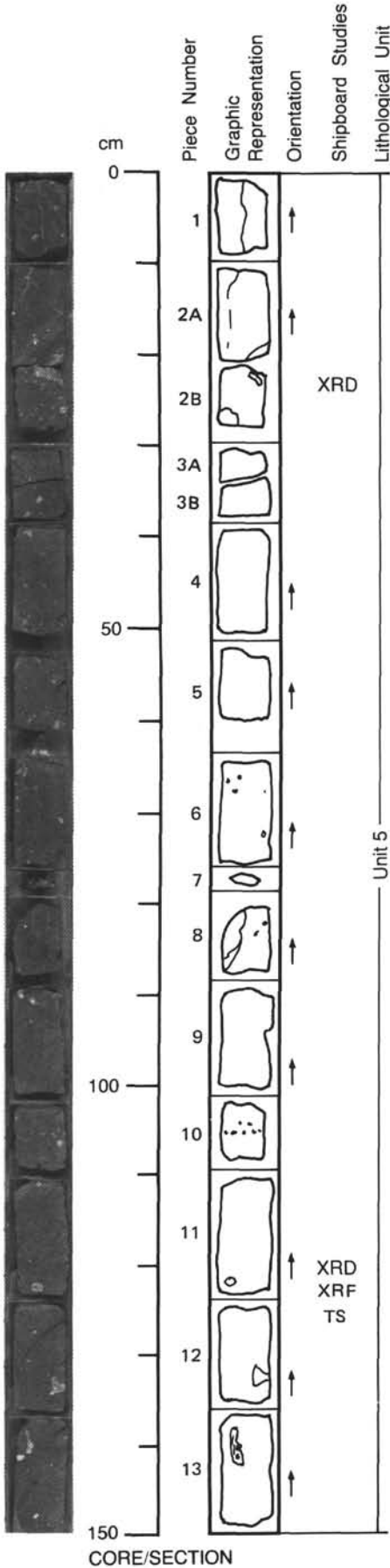
**VEINS/FRACTURES:** Uncommon, thin (< 0.05 mm), filled with zeolites and quartz.

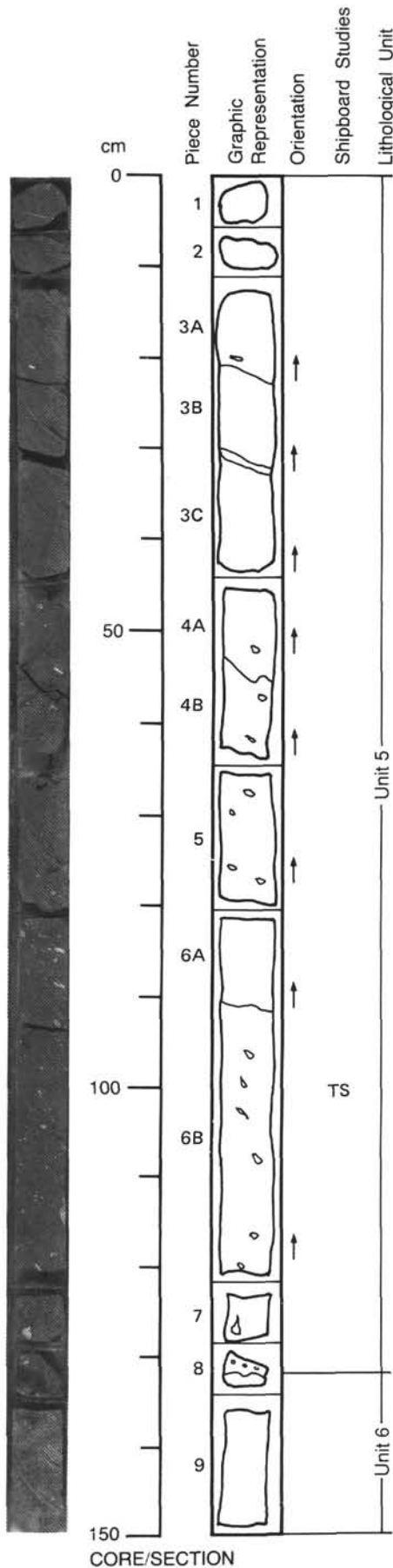
120-749C-15R-6

UNIT 5: CONTINUED

Pieces 1-13

**CONTACTS:** Not determined.  
**PHENOCRYSTS:** Rare plagioclase.  
**GROUNDMASS:** Very fine-grained.  
**VESICLES:** 1%, 1-10 mm, round to subround, irregularly distributed, green clay, zeolites, and calcite filled. Piece 10: 2 cm horizon of round clay and zeolite-filled vesicles.  
**COLOR:** Gray to gray-green.  
**STRUCTURE:** Not determined.  
**ALTERATION:** Slight.  
**VEINS/FRACTURES:** Uncommon, thin (< 0.05 mm), filled with zeolites and quartz. Piece 2B has green smectite vein. Piece 11 has cavity filled with green smectite and laumontite.





**UNIT 5: CONTINUED**

**Pieces 1-8 (Top)**

**CONTACTS:** Piece 8, top 4 cm: very fine-grained aphyric basalt. No vesicles, chilled margin. Contact with Unit 6.

**PHENOCRYSTS:** Rare plagioclase.

**GROUNDMASS:** Very fine-grained.

**VESICLES:** (?)%, 1-10 mm, round to subround, irregularly distributed, green clay, zeolites, and calcite filled. Amygdules increase in abundance toward base of Unit 5.

**COLOR:** Gray to gray-green.

**STRUCTURE:** Not determined.

**ALTERATION:** Slight.

**VEINS/FRACTURES:** Uncommon, thin (< 0.05 mm), filled with zeolites and quartz.

**UNIT 6: PLAGIOCLASE GLOMEROCRYSTS BASALT**

**Pieces 8 (Bottom)-9**

**CONTACTS:** Not determined.

**PHENOCRYSTS:** Unrecognizable.

**GROUNDMASS:** Very fine-grained and amygdaloidal with some angular fragments.

**VESICLES:** (?)%, 1 mm-2 cm, quartz and green clay filled.

**COLOR:** Green to light-gray green.

**STRUCTURE:** Not determined.

**ALTERATION:** Moderate.

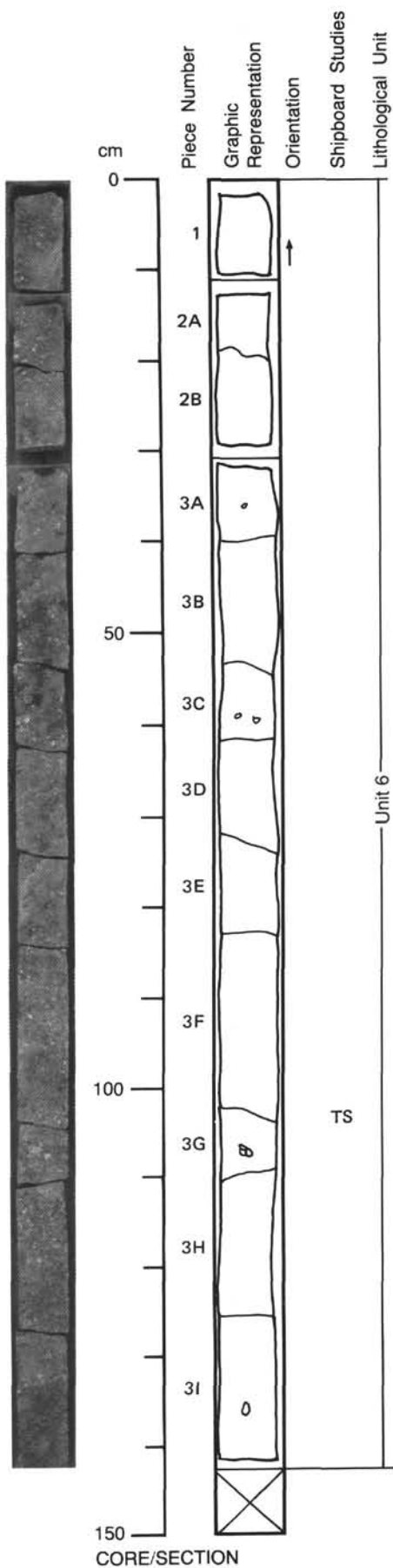
**VEINS/FRACTURES:** None to very rare.

120-749C-16R-2

UNIT 6: CONTINUED

Pieces 1-3

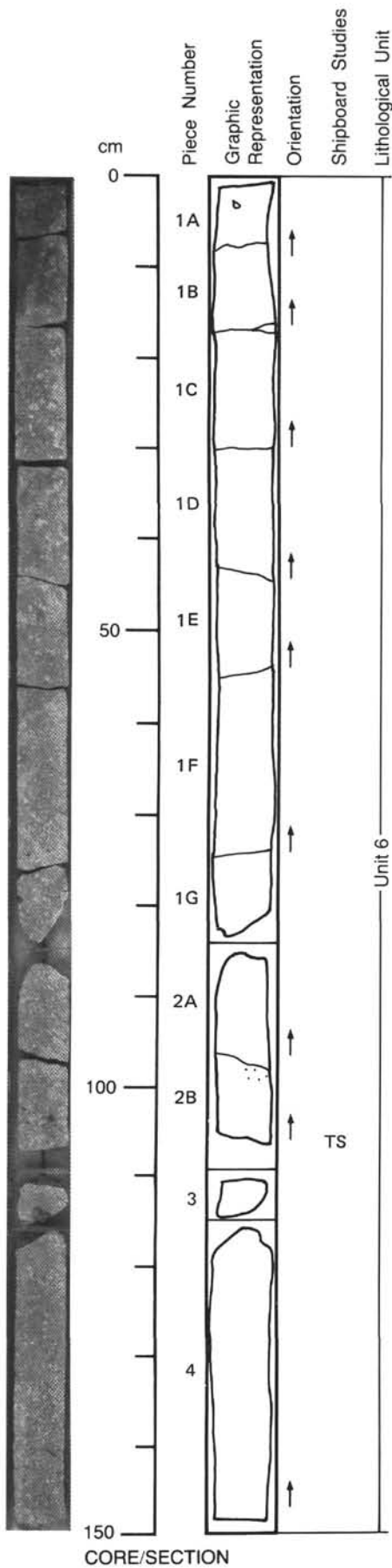
**CONTACTS:** Not determined.  
**PHENOCRYSTS:** Plagioclase - 20%, 1.5-2 mm, glomerocrysts.  
**GROUNDMASS:** Very fine-grained and amygdaloidal with some angular fragments.  
**VESICLES:** (?)%, 1 mm-2 cm, quartz and green smectite filled. No calcite.  
**COLOR:** Green to light-gray green.  
**STRUCTURE:** Not determined.  
**ALTERATION:** Fresh to slight.  
**VEINS/FRACTURES:** None.



UNIT 6: CONTINUED

Pieces 1-4

**CONTACTS:** Not determined.  
**PHENOCRYSTS:** Plagioclase - 20%, 1.5-2 mm, glomerocrysts.  
**GROUNDMASS:** Very fine-grained and amygdaloidal with some angular fragments.  
**VESICLES:** (?)%, 1 mm-2 cm, quartz and green clay-filled vesicles. No calcite. Pieces 1F to 4: vesicles become more open and are lined with dark green to blue green clay, continuing to Section 4, Piece 2.  
**COLOR:** Green to light-gray green.  
**STRUCTURE:** Not determined.  
**ALTERATION:** Fresh.  
**VEINS/FRACTURES:** None.



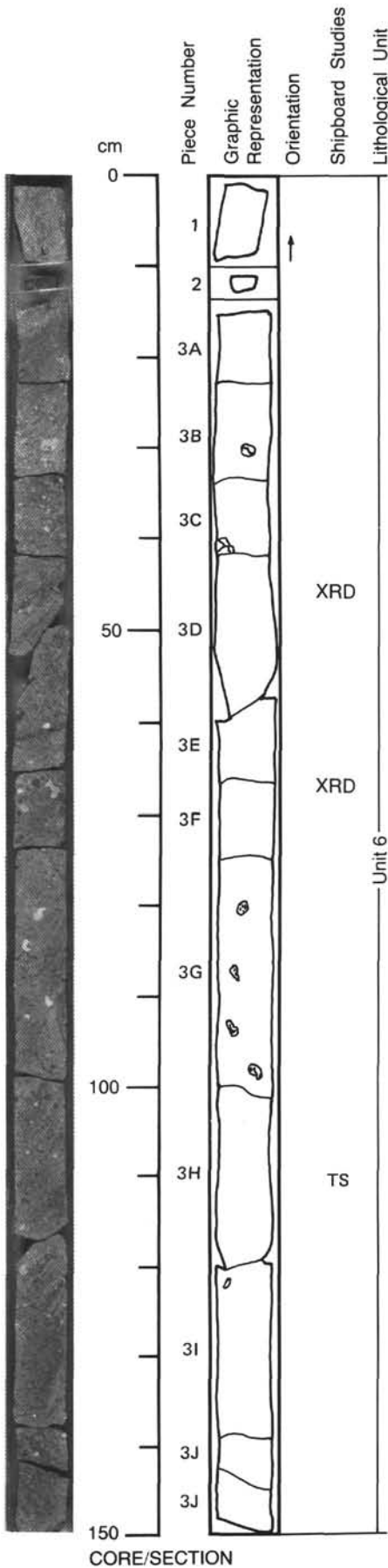


120-749C-16R-4

UNIT 6: CONTINUED

Pieces 1-3

**CONTACTS:** Not determined.  
**PHENOCRYSTS:** Plagioclase - 20%, 1.5-2 mm, glomerocrysts.  
**GROUNDMASS:** Very fine-grained and amygdaloidal.  
**VESICLES:** Small (1-2 mm) vesicles are filled with green clay. Piece 3G: large (> 2 cm) vesicles filled with (a) 2 mm - 1 cm clay/zeolites lining, (b) lined with green clay and filled with zeolite and 2-3 cm prismatic zeolite crystals.  
**COLOR:** Green to light-gray green.  
**STRUCTURE:** Not determined.  
**ALTERATION:** Becoming less altered downward (i.e., Pieces 3G-3J).  
**VEINS/FRACTURES:** None.



120-749C-16R-5

**UNIT 6: PLAGIOCLASE GLOMEROCRYSTS BASALT**

**16R-5, Pieces 1-2, 16R-6, Pieces 1-2, and 16R-7, Pieces 1-6**

**CONTACTS:** Not determined.

**PHENOCRYSTS:**

Plagioclase - 30%, 3-10 mm.

Clinopyroxene - 2%, 1-3 mm.

**GROUNDMASS:** Fine-grained, microcrystalline.

**VESICLES:** (?)%, 1-5 mm, filled with green clay.

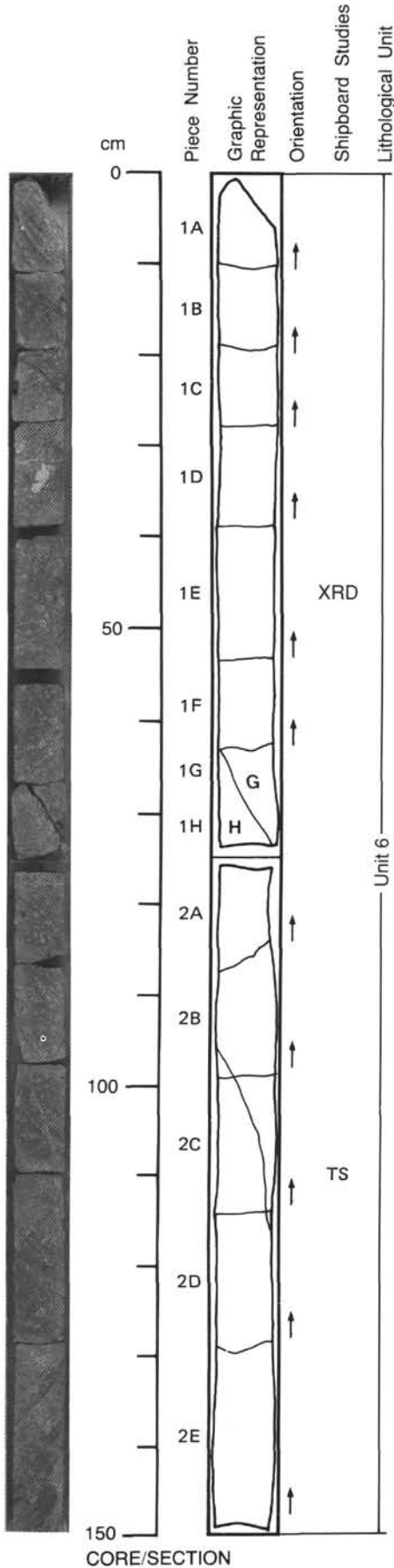
**COLOR:** Gray.

**STRUCTURE:** Not determined.

**ALTERATION:** Fresh to slightly altered.

**VEINS/FRACTURES:** (?)%, 1.5-5 mm, zoned, lined with green clays and prismatic zeolite.

**ADDITIONAL COMMENTS:** Unit 6 continues from 16R-1, Pieces 8 through 16R-7, Piece 6, but at Piece 16R-4, 3H, Unit 6 becomes relatively fresh.



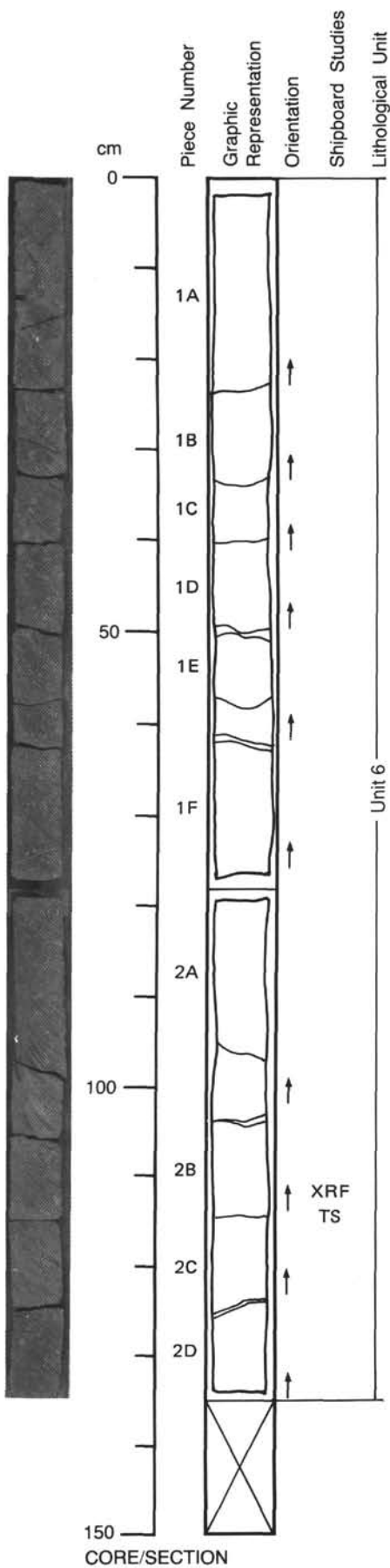
CORE/SECTION

120-749C-16R-6

UNIT 6: CONTINUED

Pieces 1-2

See Section 749C-15R-5



UNIT 6: CONTINUED

Pieces 1-6

See Section 749C-15R-5

