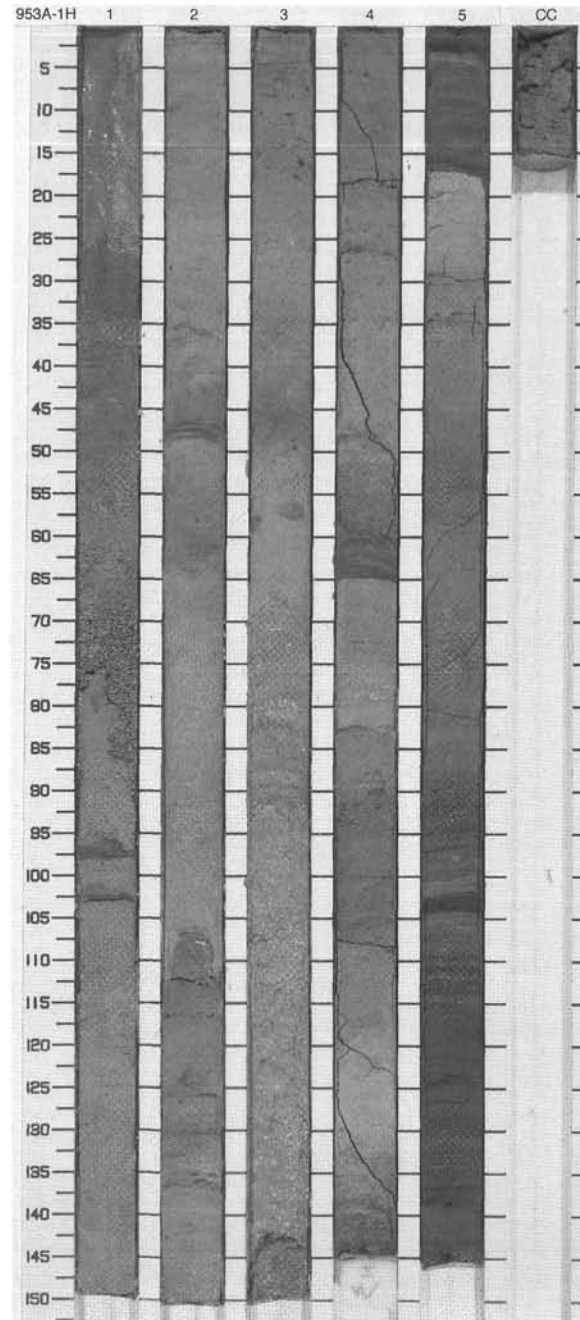


Information on Core Description Forms, for ALL sites, represents field notes taken aboard ship. Some of this information has been refined in accord with post-cruise findings, but production schedules prohibit definitive correlation of these forms with subsequent findings. Thus, the reader should be alerted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

SITE 953 HOLE A CORE 1H

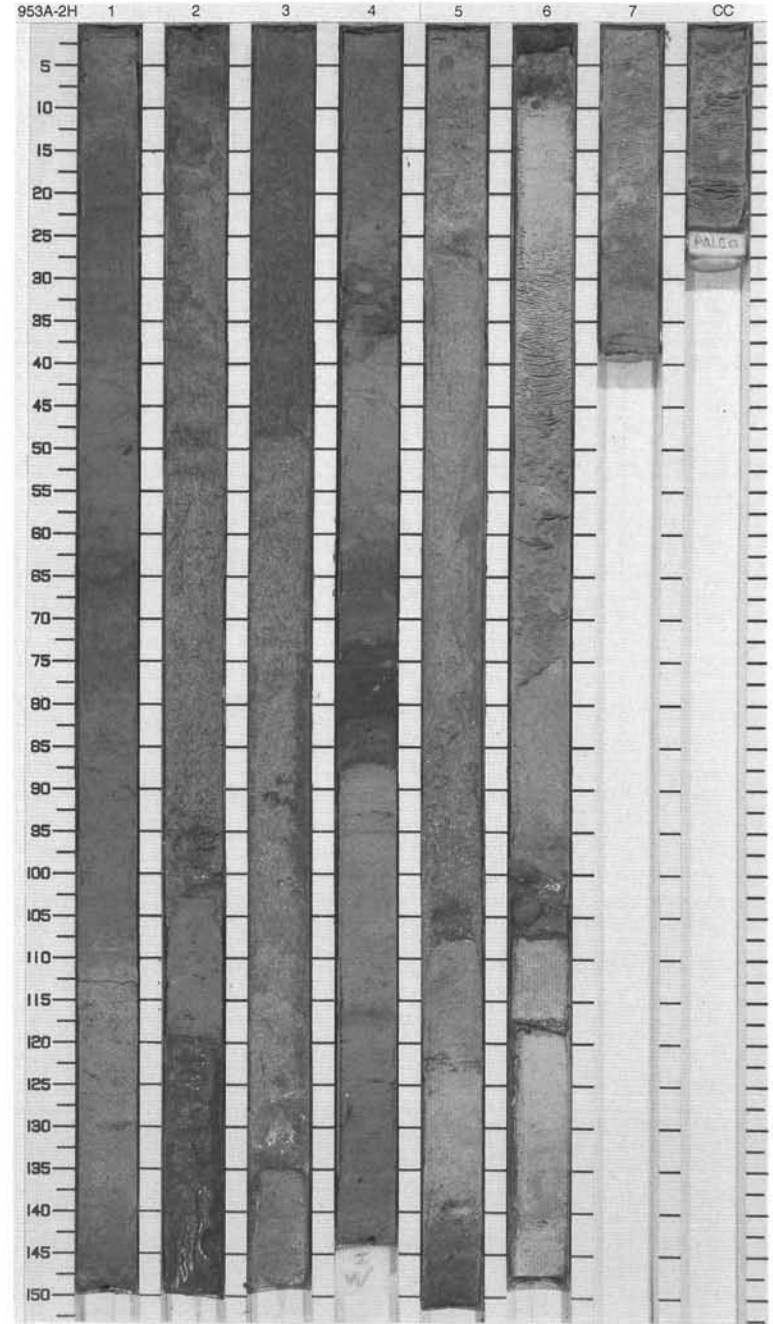
CORED 0.0 - 7.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | |
|-------|------------------|---------|--------------|--------------------|---------|--------|-----------------|---|---|
| 0-1 | [Dotted pattern] | 1 | Pleistocene | [Horizontal lines] | ○ | S | 10YR 5/2 to N5 | CALCAREOUS SAND, CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFER, and SILTY SAND WITH LITHIC AND CRYSTALS | |
| 1-2 | [Dotted pattern] | 2 | | [Wavy lines] | | | 2.5Y N5/0 to N5 | Major Lithologies: This core consists mainly of interbedded CALCAREOUS SAND, CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFER, and SILTY SAND WITH LITHICS AND CRYSTALS. Units typically have sharp bases. | |
| 2-3 | [Dotted pattern] | 3 | | [Wavy lines] | | | T | 2.5Y N3/0 to N4 | Minor Lithologies: Minor interbeds of white CALCAREOUS SAND, LITHIC CRYSTAL SAND, LITHIC FORAMINIFERAL SAND and PACKSTONE occur in Section 1, 102-103 cm, Section 2, 47-49 and 126 cm, Section 4, 24-26, 46-49, and 77-83 cm, Section 5, 8-17 cm, and Section CC, 0-15 cm. |
| 3-4 | [Dotted pattern] | 4 | | [Horizontal lines] | | | | | |
| 4-5 | [Dotted pattern] | 5 | | [Wavy lines] | | | S | 2.5Y N3/0 to N4 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Many of the major volcanic lithologies have color changes in the upper parts. |
| 5-6 | [Dotted pattern] | 6 | [Wavy lines] | | | | | | |
| 6-7 | [Dotted pattern] | 7 | [Wavy lines] | | O I S | S | | | |
| 7-7.6 | [Dotted pattern] | CC | [Wavy lines] | | | | | | |



SITE 953 HOLE A CORE 2H CORED 7.6 - 17.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|-------------------------|---------|-------------|--------------------------|---------|--------|------------------------|--|
| 1 | [Dotted pattern] | 1 | | ↑ F ↑ F ↑ F ↑ F | | | N5 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CRYSTAL LITHIC SAND, and CALCAREOUS SAND |
| 2 | [Cross-hatched pattern] | 2 | | | | S | 2.5Y N4/0 to 2.5Y N5/0 | Major Lithologies: This core consists mainly of interbedded white CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and CALCAREOUS SAND, and gray CRYSTAL LITHIC SAND. Units typically have sharp bases, and are normally graded. |
| 3 | [Dotted pattern] | 3 | | | | | | Minor Lithologies: Minor interbeds of white NANNOFOSSIL OOZE AND CRYSTAL SAND occur in Section 2, 102-119 cm, Section 4, 28-38 and 73-89 cm, Section 5, 122-124 cm, and Section 6, 97-108 and 117-119 cm. |
| 4 | [Cross-hatched pattern] | 4 | Pleistocene | }} | | S | 2.5Y N5/0 to 2.5Y N6/0 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. |
| 5 | [Dotted pattern] | 5 | | ↑ F ↑ F ↑ F | | S O I | 2.5Y N6/0 | Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests. |
| 6 | [Cross-hatched pattern] | 6 | | ↑ F | | S | 2.5Y N5/0 | |
| 7 | [Dotted pattern] | 7 | | }} | | | | |
| CC | | CC | | | | | | |



SITE 953 HOLE A CORE 3H

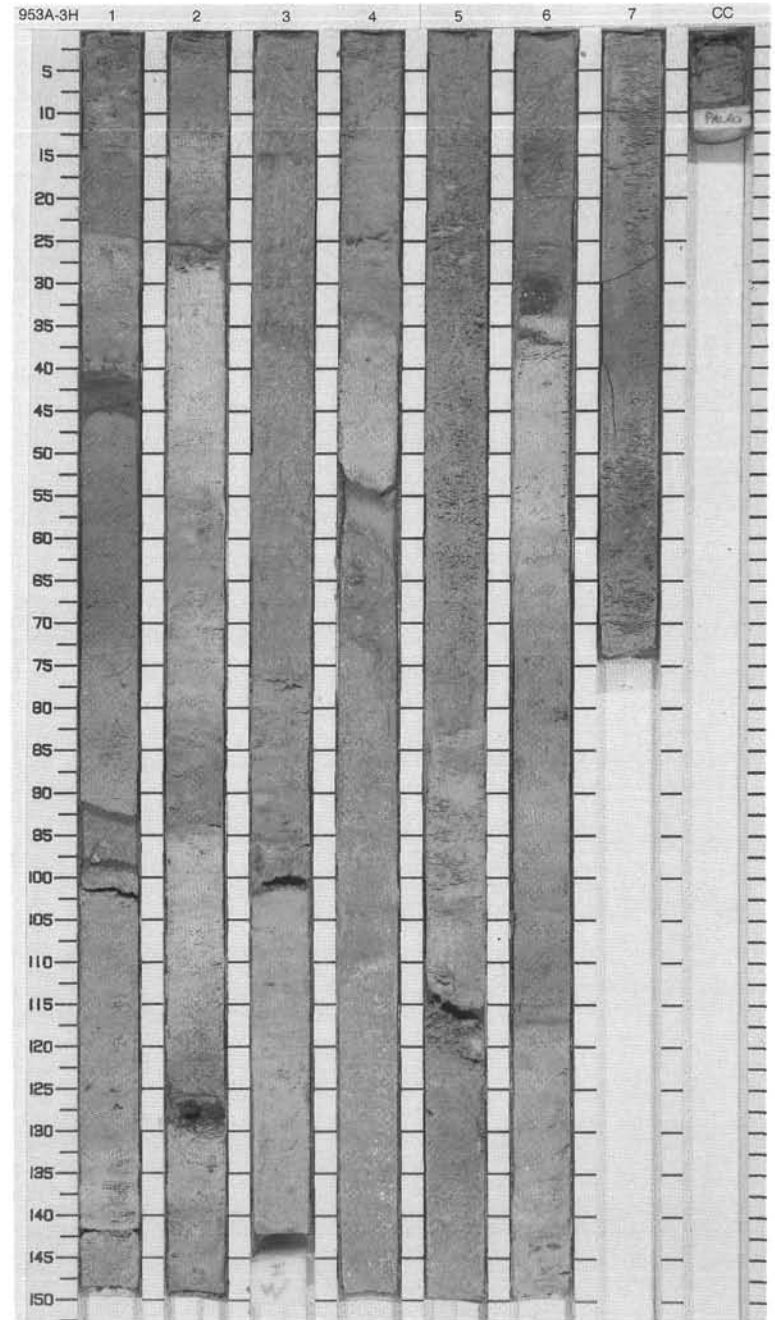
CORED 17.1 - 26.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | | | |
|-------|-----------------------|---------|-------------|-----------|---------|--------|--------------|---|---|-----|----------------|
| 1 | [Patterned lithology] | 1 | Pleistocene | } | | S | N6/1 to N5/2 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, LITHIC SAND, and CALCAREOUS SAND | | | |
| 2 | | | | | | | | | } | S | N6/1 to N5/2 |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | } | T S | N5/1 to 5Y 4/1 |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | } | I O | N5/1 to 5Y 4/1 |
| 7 | | | | | | | | | | | |
| 8 | } | S | 2.5Y N2/0 | | | | | | | | |
| 9 | | | | | | | | | | | |

Major Lithologies:
 This core consists mainly of interbedded white CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS AND LITHIC SAND. Units typically have sharp bases and are normally graded.

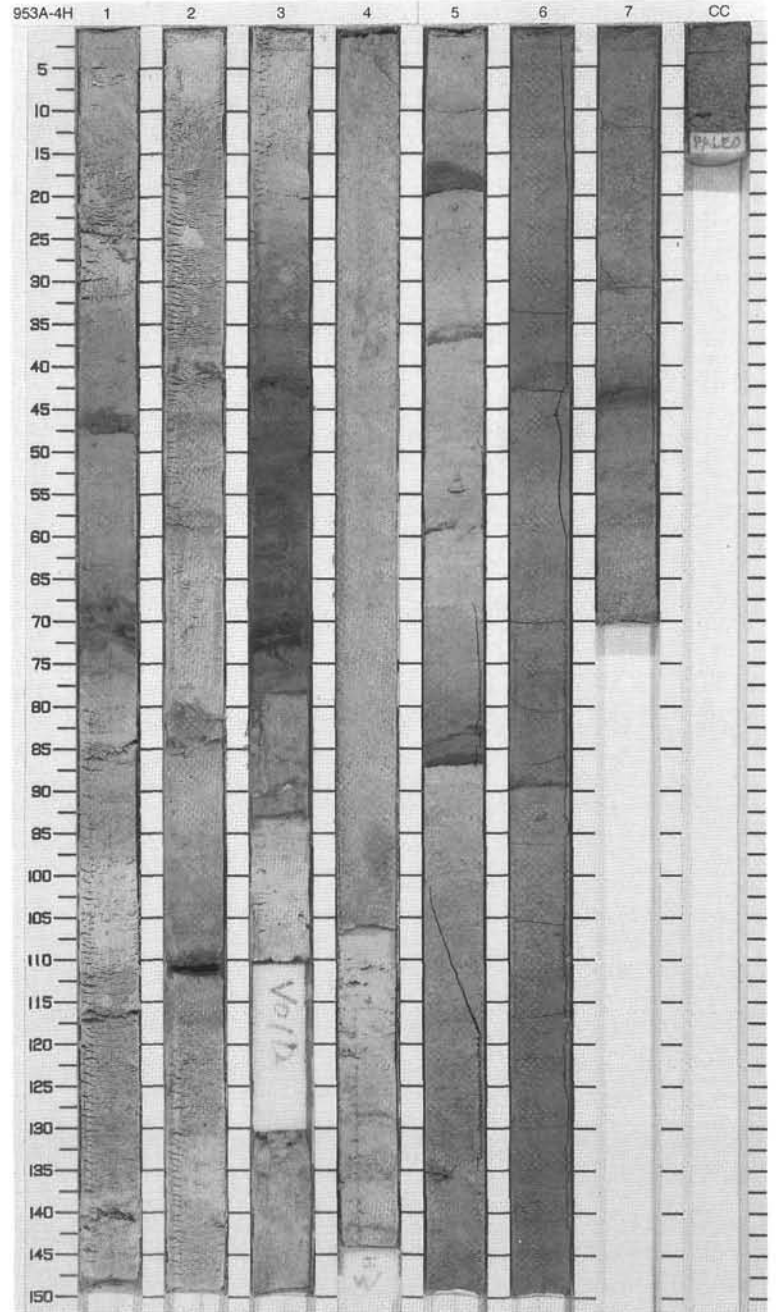
Minor Lithologies:
 Minor interbeds of white CALCAREOUS SAND and LITHIC SAND occur in Section 1, 13-23 and 90-98 cm, Section 2, 25-27, 126-129, and 149-150 cm, Section 3, 95-102 cm, Section 4, 29-35 cm, and Section 6, 25-33 cm.

General Description:
 This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests.

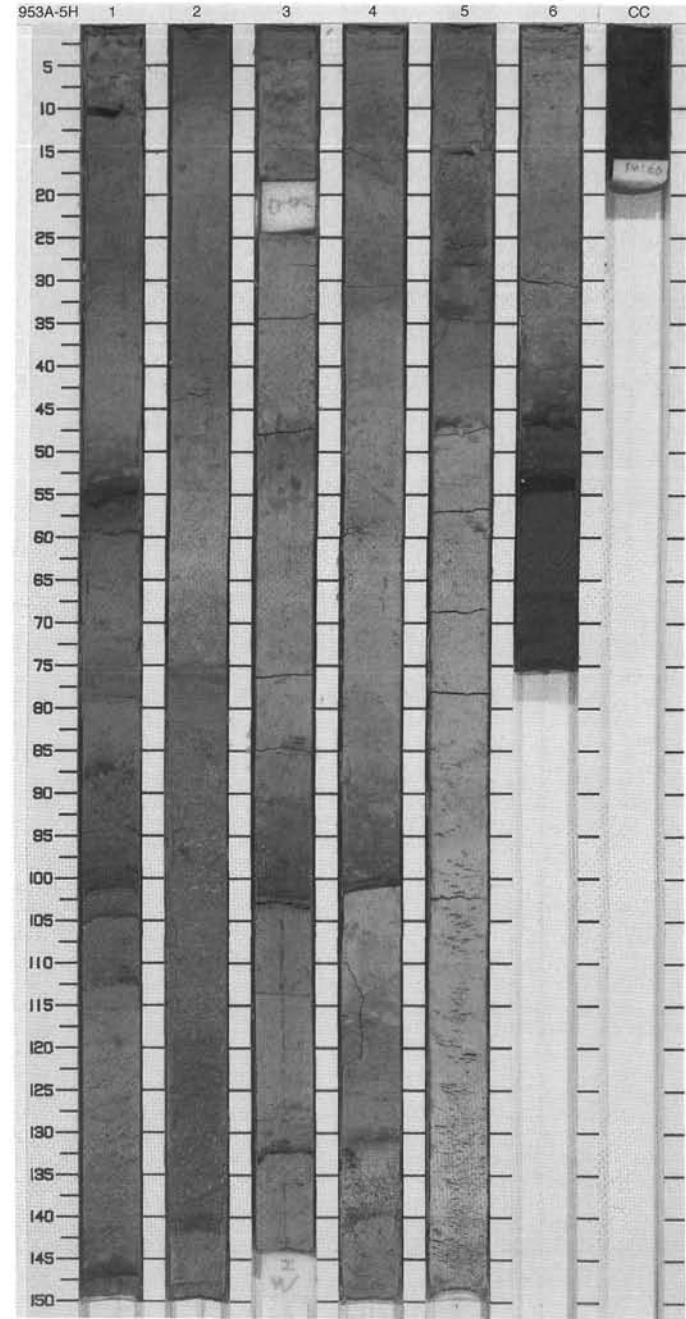


SITE 953 HOLE A CORE 4H CORED 26.6 - 36.1 mbsf

| Meter | Graphic Lith. | Section Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|-------------|-----------|----------|--------|------------------|--|
| 1 | [Pattern] | Pleistocene | [Symbol] | | S | | CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE |
| 1 | [Symbol] | | | | S | | |
| 2 | [Pattern] | | [Symbol] | | | N5 to 2.5YR N4/0 | Major Lithologies: This core consists mainly of interbedded white CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE. Units typically have sharp bases and are normally graded. |
| 2 | [Symbol] | | | | | | |
| 3 | [Pattern] | | [Symbol] | | | S | Minor Lithologies: Minor interbeds of white CALCAREOUS SAND WITH VOLCANIC LITHICS, gray LITHIC CRYSTAL SAND; black-gray VITRIC ASH occur in Section 1, 67-74 cm, Section 2, 81-85 and 110-112 cm, Section 3, 90-94 cm, Section 5, 16-20 and 77-87 cm. |
| 3 | [Symbol] | | | | | S | |
| 4 | [Pattern] | | | [Symbol] | | | |
| 4 | [Symbol] | | | | | | |
| 5 | [Pattern] | | [Symbol] | | | 5Y 5/1 | |
| 6 | [Pattern] | | [Symbol] | | | | N4 to 2.5YR N4/0 |
| 6 | [Symbol] | | | | | | |
| 7 | [Pattern] | | [Symbol] | | | | |
| 8 | [Pattern] | | [Symbol] | | | | |
| 9 | [Pattern] | | [Symbol] | | | | |
| 10 | [Symbol] | | [Symbol] | | | | |
| 11 | [Pattern] | | [Symbol] | | | | |
| 12 | [Pattern] | | [Symbol] | | | | |
| 13 | [Pattern] | | [Symbol] | | | | |
| 14 | [Pattern] | | [Symbol] | | | | |
| 15 | [Pattern] | | [Symbol] | | | | |
| 16 | [Pattern] | | [Symbol] | | | | |
| 17 | [Pattern] | | [Symbol] | | | | |
| 18 | [Pattern] | | [Symbol] | | | | |
| 19 | [Pattern] | | [Symbol] | | | | |
| 20 | [Pattern] | | [Symbol] | | | | |
| 21 | [Pattern] | | [Symbol] | | | | |
| 22 | [Pattern] | | [Symbol] | | | | |
| 23 | [Pattern] | | [Symbol] | | | | |
| 24 | [Pattern] | | [Symbol] | | | | |
| 25 | [Pattern] | | [Symbol] | | | | |
| 26 | [Pattern] | | [Symbol] | | | | |
| 27 | [Pattern] | | [Symbol] | | | | |
| 28 | [Pattern] | | [Symbol] | | | | |
| 29 | [Pattern] | | [Symbol] | | | | |
| 30 | [Pattern] | | [Symbol] | | | | |
| 31 | [Pattern] | | [Symbol] | | | | |
| 32 | [Pattern] | | [Symbol] | | | | |
| 33 | [Pattern] | | [Symbol] | | | | |
| 34 | [Pattern] | | [Symbol] | | | | |
| 35 | [Pattern] | | [Symbol] | | | | |
| 36 | [Pattern] | | [Symbol] | | | | |
| 37 | [Pattern] | | [Symbol] | | | | |
| 38 | [Pattern] | | [Symbol] | | | | |
| 39 | [Pattern] | | [Symbol] | | | | |
| 40 | [Pattern] | | [Symbol] | | | | |
| 41 | [Pattern] | | [Symbol] | | | | |
| 42 | [Pattern] | | [Symbol] | | | | |
| 43 | [Pattern] | | [Symbol] | | | | |
| 44 | [Pattern] | | [Symbol] | | | | |
| 45 | [Pattern] | | [Symbol] | | | | |
| 46 | [Pattern] | | [Symbol] | | | | |
| 47 | [Pattern] | | [Symbol] | | | | |
| 48 | [Pattern] | | [Symbol] | | | | |
| 49 | [Pattern] | | [Symbol] | | | | |
| 50 | [Pattern] | | [Symbol] | | | | |
| 51 | [Pattern] | | [Symbol] | | | | |
| 52 | [Pattern] | | [Symbol] | | | | |
| 53 | [Pattern] | | [Symbol] | | | | |
| 54 | [Pattern] | | [Symbol] | | | | |
| 55 | [Pattern] | | [Symbol] | | | | |
| 56 | [Pattern] | | [Symbol] | | | | |
| 57 | [Pattern] | | [Symbol] | | | | |
| 58 | [Pattern] | | [Symbol] | | | | |
| 59 | [Pattern] | | [Symbol] | | | | |
| 60 | [Pattern] | | [Symbol] | | | | |
| 61 | [Pattern] | | [Symbol] | | | | |
| 62 | [Pattern] | | [Symbol] | | | | |
| 63 | [Pattern] | | [Symbol] | | | | |
| 64 | [Pattern] | | [Symbol] | | | | |
| 65 | [Pattern] | | [Symbol] | | | | |
| 66 | [Pattern] | | [Symbol] | | | | |
| 67 | [Pattern] | | [Symbol] | | | | |
| 68 | [Pattern] | | [Symbol] | | | | |
| 69 | [Pattern] | | [Symbol] | | | | |
| 70 | [Pattern] | | [Symbol] | | | | |
| 71 | [Pattern] | | [Symbol] | | | | |
| 72 | [Pattern] | | [Symbol] | | | | |
| 73 | [Pattern] | | [Symbol] | | | | |
| 74 | [Pattern] | | [Symbol] | | | | |
| 75 | [Pattern] | | [Symbol] | | | | |
| 76 | [Pattern] | | [Symbol] | | | | |
| 77 | [Pattern] | | [Symbol] | | | | |
| 78 | [Pattern] | | [Symbol] | | | | |
| 79 | [Pattern] | | [Symbol] | | | | |
| 80 | [Pattern] | | [Symbol] | | | | |
| 81 | [Pattern] | | [Symbol] | | | | |
| 82 | [Pattern] | | [Symbol] | | | | |
| 83 | [Pattern] | | [Symbol] | | | | |
| 84 | [Pattern] | | [Symbol] | | | | |
| 85 | [Pattern] | | [Symbol] | | | | |
| 86 | [Pattern] | | [Symbol] | | | | |
| 87 | [Pattern] | | [Symbol] | | | | |
| 88 | [Pattern] | | [Symbol] | | | | |
| 89 | [Pattern] | | [Symbol] | | | | |
| 90 | [Pattern] | | [Symbol] | | | | |
| 91 | [Pattern] | | [Symbol] | | | | |
| 92 | [Pattern] | | [Symbol] | | | | |
| 93 | [Pattern] | | [Symbol] | | | | |
| 94 | [Pattern] | | [Symbol] | | | | |
| 95 | [Pattern] | | [Symbol] | | | | |
| 96 | [Pattern] | | [Symbol] | | | | |
| 97 | [Pattern] | | [Symbol] | | | | |
| 98 | [Pattern] | | [Symbol] | | | | |
| 99 | [Pattern] | | [Symbol] | | | | |
| 100 | [Pattern] | | [Symbol] | | | | |
| 101 | [Pattern] | | [Symbol] | | | | |
| 102 | [Pattern] | | [Symbol] | | | | |
| 103 | [Pattern] | | [Symbol] | | | | |
| 104 | [Pattern] | | [Symbol] | | | | |
| 105 | [Pattern] | | [Symbol] | | | | |
| 106 | [Pattern] | | [Symbol] | | | | |
| 107 | [Pattern] | | [Symbol] | | | | |
| 108 | [Pattern] | | [Symbol] | | | | |
| 109 | [Pattern] | | [Symbol] | | | | |
| 110 | [Pattern] | | [Symbol] | | | | |
| 111 | [Pattern] | | [Symbol] | | | | |
| 112 | [Pattern] | | [Symbol] | | | | |
| 113 | [Pattern] | | [Symbol] | | | | |
| 114 | [Pattern] | | [Symbol] | | | | |
| 115 | [Pattern] | | [Symbol] | | | | |
| 116 | [Pattern] | | [Symbol] | | | | |
| 117 | [Pattern] | | [Symbol] | | | | |
| 118 | [Pattern] | | [Symbol] | | | | |
| 119 | [Pattern] | | [Symbol] | | | | |
| 120 | [Pattern] | | [Symbol] | | | | |
| 121 | [Pattern] | | [Symbol] | | | | |
| 122 | [Pattern] | | [Symbol] | | | | |
| 123 | [Pattern] | | [Symbol] | | | | |
| 124 | [Pattern] | | [Symbol] | | | | |
| 125 | [Pattern] | | [Symbol] | | | | |
| 126 | [Pattern] | | [Symbol] | | | | |
| 127 | [Pattern] | | [Symbol] | | | | |
| 128 | [Pattern] | | [Symbol] | | | | |
| 129 | [Pattern] | | [Symbol] | | | | |
| 130 | [Pattern] | | [Symbol] | | | | |
| 131 | [Pattern] | | [Symbol] | | | | |
| 132 | [Pattern] | | [Symbol] | | | | |
| 133 | [Pattern] | | [Symbol] | | | | |
| 134 | [Pattern] | | [Symbol] | | | | |
| 135 | [Pattern] | | [Symbol] | | | | |
| 136 | [Pattern] | | [Symbol] | | | | |
| 137 | [Pattern] | | [Symbol] | | | | |
| 138 | [Pattern] | | [Symbol] | | | | |
| 139 | [Pattern] | | [Symbol] | | | | |
| 140 | [Pattern] | | [Symbol] | | | | |
| 141 | [Pattern] | | [Symbol] | | | | |
| 142 | [Pattern] | | [Symbol] | | | | |
| 143 | [Pattern] | | [Symbol] | | | | |
| 144 | [Pattern] | | [Symbol] | | | | |
| 145 | [Pattern] | | [Symbol] | | | | |
| 146 | [Pattern] | | [Symbol] | | | | |
| 147 | [Pattern] | | [Symbol] | | | | |
| 148 | [Pattern] | | [Symbol] | | | | |
| 149 | [Pattern] | | [Symbol] | | | | |
| 150 | [Pattern] | | [Symbol] | | | | |

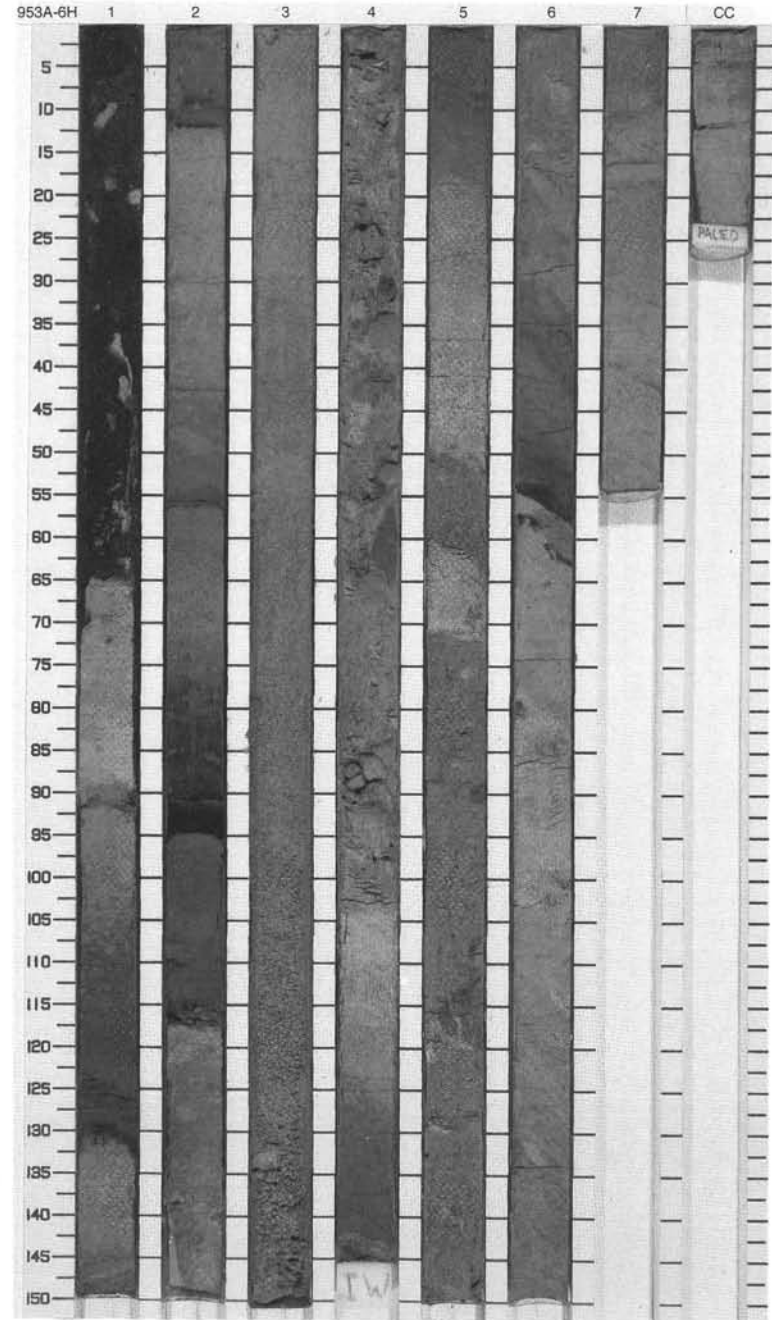


| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-------------|-----------|---------|--------|-----------------|--|
| 1 | [Pattern] | 1 | Pleistocene | [Symbol] | | S | | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CALCAREOUS SAND, and CRYSTAL LITHIC SAND</p> <p>Major Lithologies: This core consists mainly of interbedded white CALCAREOUS SAND and gray CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and black CRYSTAL LITHIC SAND. Units typically have sharp bases and are inverse to normally graded.</p> <p>Minor Lithologies: Minor interbeds of white CALCAREOUS SAND, black and gray CRYSTAL LITHIC SAND, and pale green VITRIC ASH occur in Section 1, 56-58, 70-79, and 136-148 cm, Section 3, 100-104 and 132-134 cm, Section 4, 100-103 and 122-135 cm, and Section 5, 45-47 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests and a minor amount of volcanoclastic material. Colors range between white, black, light gray, and dark gray.</p> |
| 1 | [Pattern] | 1 | | [Symbol] | | S S | N5/1 to 5Y 3/1 | |
| 2 | [Pattern] | 2 | | [Symbol] | | | 2.5Y N4/0 | |
| 3 | [Pattern] | 3 | | [Symbol] | | | | |
| 4 | [Pattern] | 4 | | [Symbol] | | I O | N5 to 2.5Y N5/0 | |
| 5 | [Pattern] | 5 | | [Symbol] | | S | 5Y 4/1 | |
| 6 | [Pattern] | 6 | | [Symbol] | | | 2.5Y N5/0 to N5 | |
| 8 | [Pattern] | 8 | | [Symbol] | | S S | 10YR 4/1 | |
| | | CC | | | | | | |



SITE 953 HOLE A CORE 6H CORED 45.6 - 55.1 mbsf

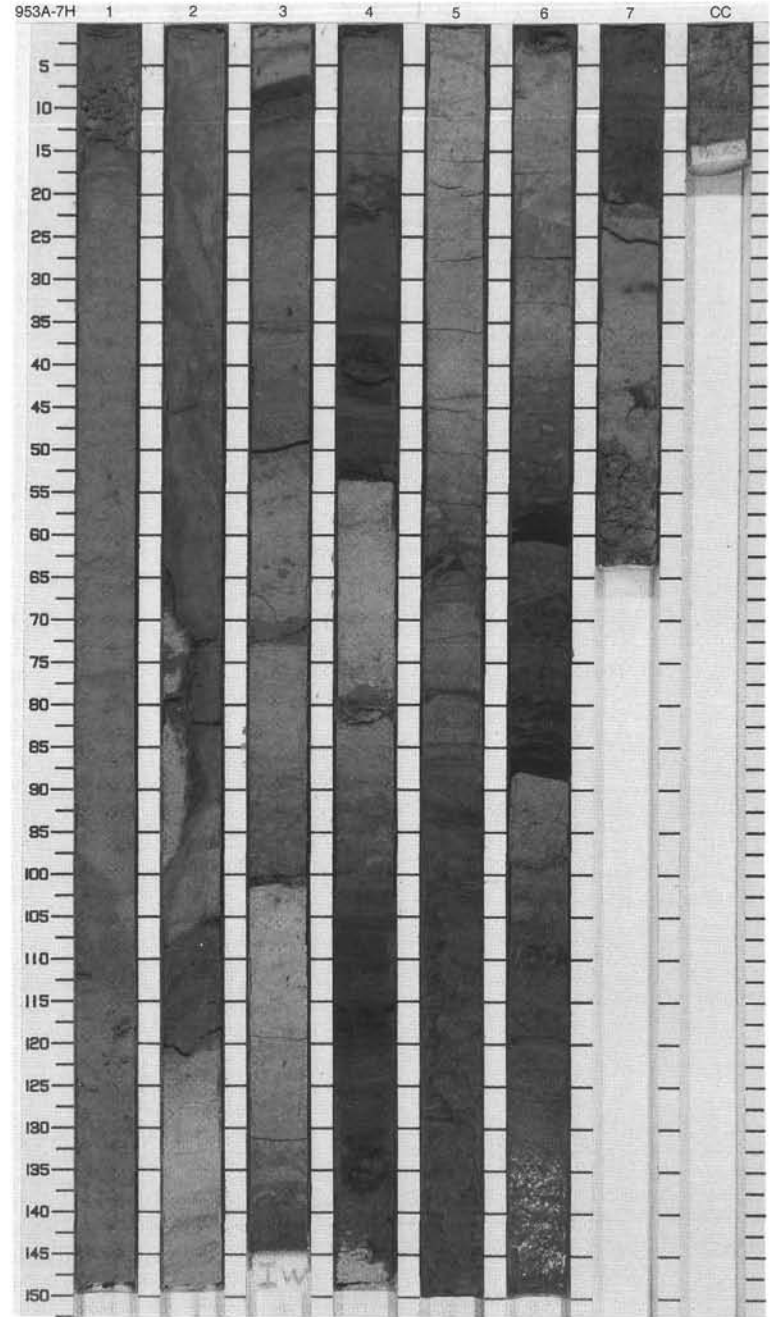
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-------------|-----------|---------|--------|-----------------------|--|
| 1 | [Pattern] | 1 | Pleistocene | [Symbol] | | | 2.5Y N2/0 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CALCAREOUS SAND, and CRYSTAL LITHIC SAND |
| 2 | [Pattern] | 2 | | [Symbol] | | | 2.5Y N2/0 to N5 | Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and black CRYSTAL LITHIC SAND. Units typically have sharp bases and are normally graded. |
| 3 | [Pattern] | 3 | | [Symbol] | | S | 7.5YR N2/0 | |
| 4 | [Pattern] | 4 | | [Symbol] | | S | 5Y 4/1 | Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SAND and black LITHIC CRYSTAL SAND, occur in Section 2, 96-106 cm, and Section 5, 5-6 cm. |
| 5 | [Pattern] | 5 | | [Symbol] | | | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcaniclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcaniclastic material. |
| 6 | [Pattern] | 6 | | [Symbol] | | I | 10YR 5/1 to 2.5Y N4/0 | |
| 7 | [Pattern] | 7 | | [Symbol] | | S | 2.5Y N4/0 | |
| 8 | [Pattern] | 8 | | [Symbol] | | S | | |
| 9 | [Pattern] | 9 | | [Symbol] | | | | 10YR 4/1 to N4 |
| CC | | CC | | | | | | |
| | | | | | | | | M |



SITE 953 HOLE A CORE 7H

CORED 55.1 - 64.6 mbsf

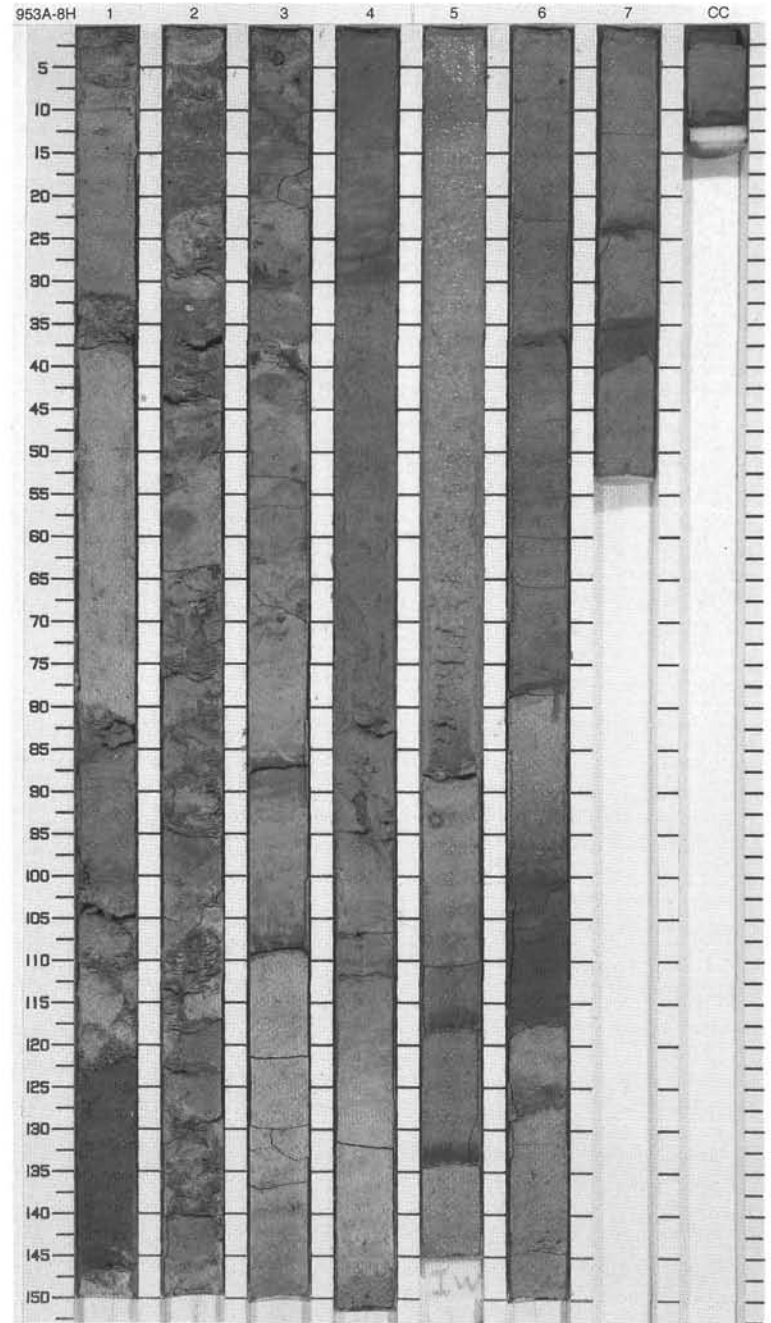
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-----|-----------|---------|--------|----------------------|--|
| 1 | [Pattern] | 1 | | }} | | | 2.5Y N4/0 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CRYSTAL LITHIC SAND, and CALCAREOUS SAND |
| 2 | [Pattern] | 2 | | }} | | | N4 | Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and dark gray to black CRYSTAL LITHIC SAND. Units typically have sharp bases and are normally graded. |
| 3 | [Pattern] | 3 | | }} | | | | Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SAND, brown VITRIC ASH, and black LITHIC CRYSTAL SAND, occur in Section 2, 110-122 cm, Section 3, 8-10, 35-37, 70-73, 100-101, and 148-150 cm, Section 4, 78-82 cm, Section 5, 70-72 and 80-81 cm, Section 6, 58-62, 80-88, and 109-110 cm. |
| 4 | [Pattern] | 4 | | }} | | S | | |
| 5 | [Pattern] | 5 | | }} | | I | 2.5Y N5/0 to N4 | |
| 6 | [Pattern] | 6 | | }} | | S | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material. |
| 7 | [Pattern] | 7 | | }} | | | 5Y 3/1 | |
| 8 | [Pattern] | 8 | | }} | | | 5Y 5/1 to 7.5YR N2/0 | |
| 9 | [Pattern] | 9 | | }} | | | 2.5Y N3/0 | |
| CC | [Pattern] | CC | | }} | | M | 2.5Y N5/0 | |



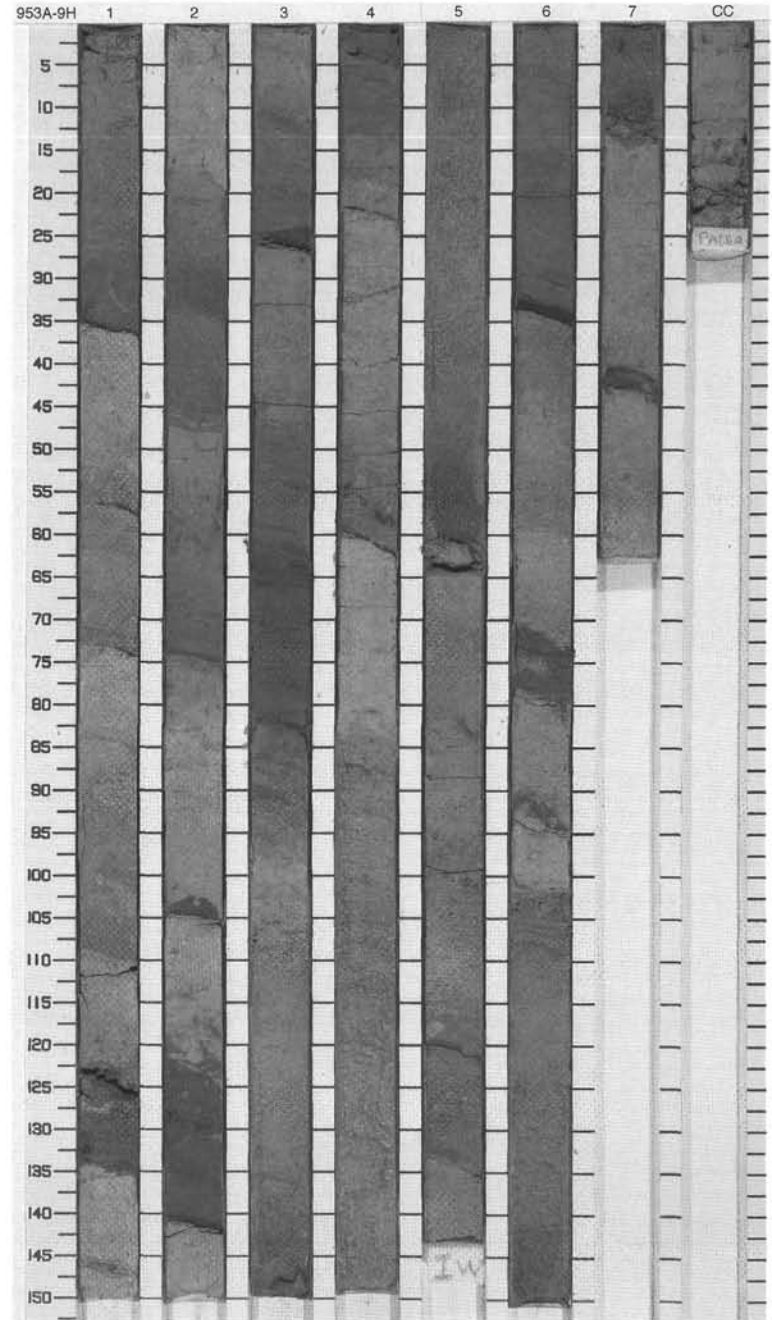
SITE 953 HOLE A CORE 8H

CORED 64.6 - 74.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-------------|-----------|---------------------|--------|----------|---|
| 1 | [Pattern] | 1 | Pleistocene | [Symbol] | T | S | 2.5Y 5/1 | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and CALCAREOUS SAND</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Units typically have sharp bases and are normally and inversely graded.</p> <p>Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SAND and black CRYSTAL LITHIC SAND, occur in Section 1, 32-37 and 80-85 cm, Section 3, 87-91 cm, Section 6, 77-79 cm, Section 7, 34-41 cm, and Section CC, 11-12 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcaniclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcaniclastic material. Possible drilling breccia between 1.0-3.3 m.</p> |
| 2 | [Pattern] | 2 | | [Symbol] | | | | |
| 3 | [Pattern] | 3 | | [Symbol] | | | | |
| 4 | [Pattern] | 4 | | [Symbol] | | | | |
| 5 | [Pattern] | 5 | | [Symbol] | | | | |
| 6 | [Pattern] | 6 | | [Symbol] | | | | |
| 7 | [Pattern] | 7 | | [Symbol] | | | | |
| 8 | [Pattern] | 6 | [Symbol] | S | 2.5Y N4/0 | | | |
| 9 | [Pattern] | 5 | [Symbol] | | 2.5Y N5/0 | | | |
| | [Pattern] | 5 | [Symbol] | I | 2.5Y N4/0 to 5Y 3/1 | | | |
| | [Pattern] | 6 | [Symbol] | | 2.5Y N4/0 to N5 | | | |
| | [Pattern] | 7 | [Symbol] | S | M | | | |
| | [Pattern] | CC | [Symbol] | | | | | |

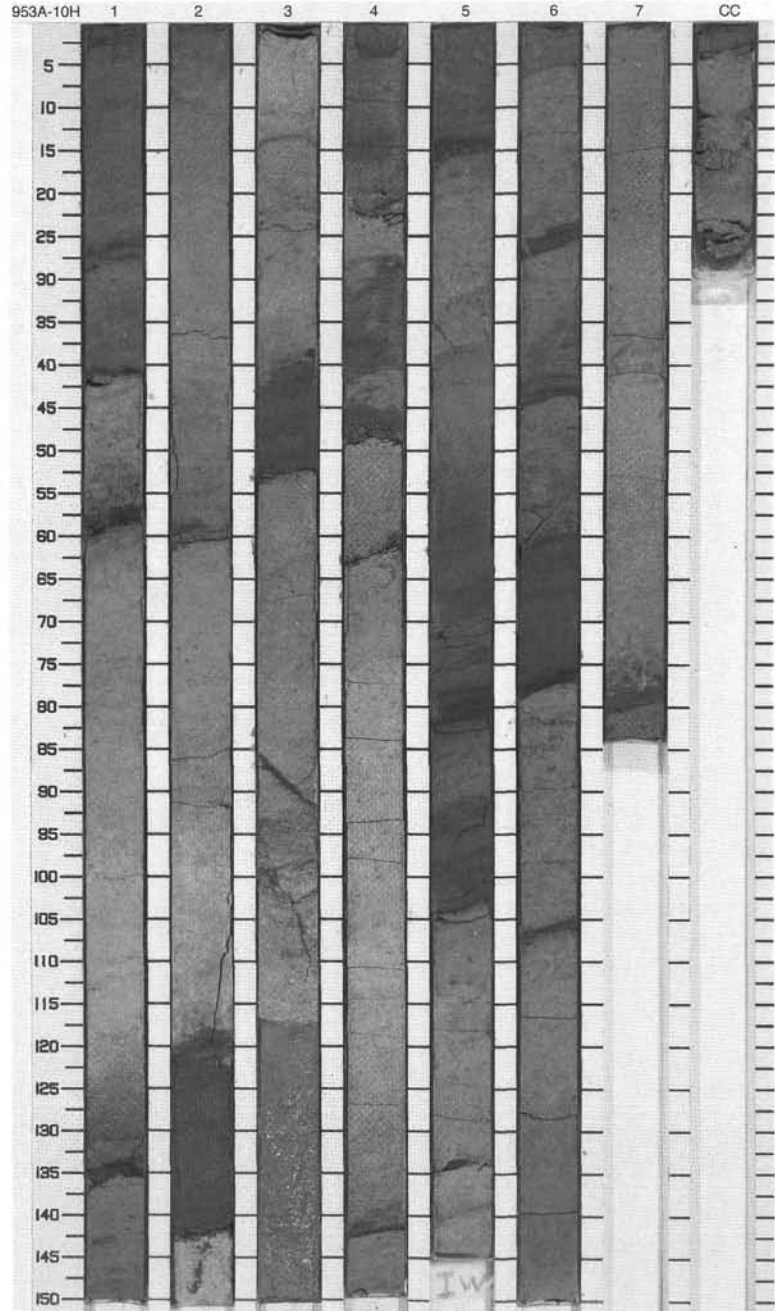


| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | |
|-------|---------------|---------|-------------|-----------|---------|--------|-----------|--|-----------------------|
| 1 | [Pattern] | 1 | Pleistocene | }} | | | | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CALCAREOUS SAND, and CRYSTAL LITHIC SILTY SAND</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and dark gray to black CRYSTAL LITHIC SILTY SAND. Units typically have sharp bases and are normally graded.</p> <p>Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SILTY SAND and black LITHIC CRYSTAL SILTY SAND, occur in Section 1, 108-110 and 124-136 cm, Section 2, 74-75 and 102-104 cm, Section 3, 21-27 cm, Section 4, 55-56 and 59-60 cm, Section 5, 118-119 and 132-134 cm, Section 6, 28-29, 32-34, 70-78, and 90-92 cm, and Section 7, 40-44 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material.</p> | |
| 2 | [Pattern] | 2 | | }} | | | | | 5Y 4/1 to 2.5Y N4/0 |
| 3 | [Pattern] | 3 | | }} | | | | | |
| 4 | [Pattern] | 4 | | }} | | | | | 5Y 4/1 to N5 |
| 5 | [Pattern] | 5 | | }} | | | | | |
| 6 | [Pattern] | 6 | | }} | ↑ F | | | | 10YR 4/1 to 2.5Y N5/0 |
| 7 | [Pattern] | 7 | | }} | ↑ F | | | | |
| 8 | [Pattern] | 6 | }} | | | | | S | |
| 9 | [Pattern] | 7 | }} | ↑ F | | | 5Y 4/1 | O | |
| | | CC | | }} | | | 2.5Y N3/0 | M | |



SITE 953 HOLE A CORE 10H
 CORED 83.6 - 93.1 mbsf

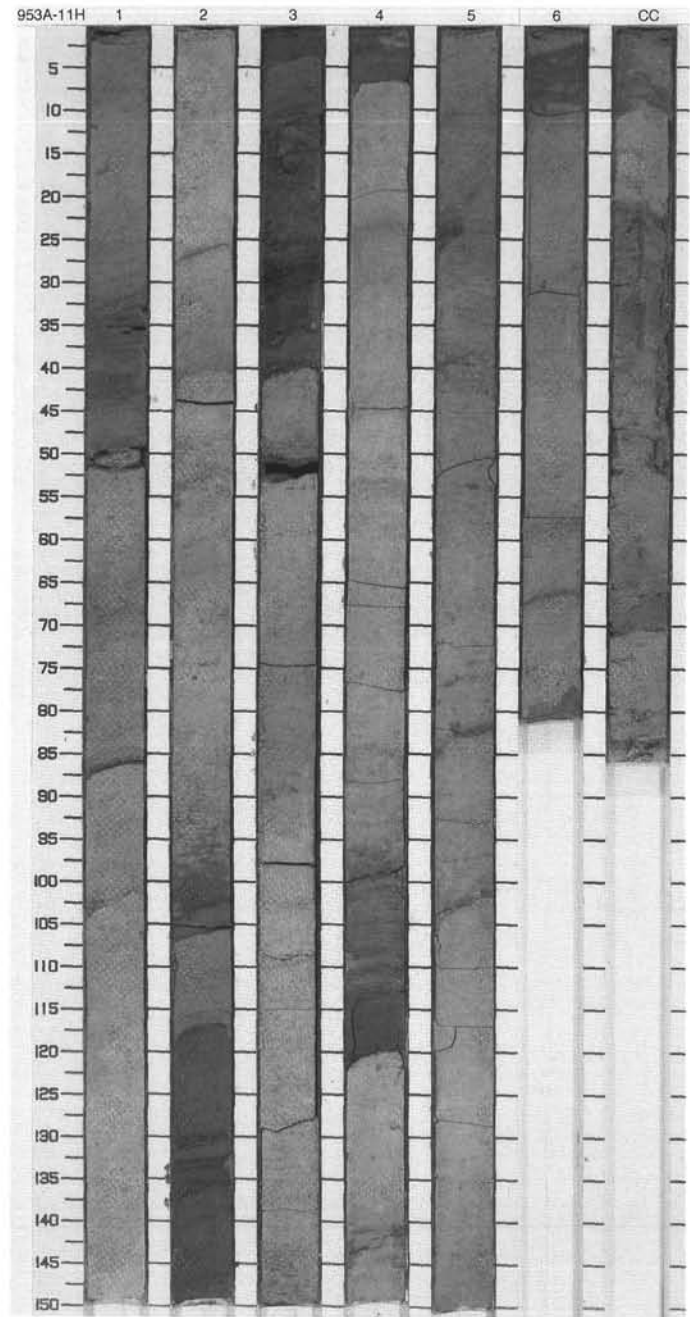
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-------------|-----------|---------|--------|----------------------|---|
| 1 | [Pattern] | 1 | | [Symbol] | | | 2.5Y 5/1 to N5 | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CALCAREOUS SILTY SAND and CRYSTAL LITHIC SILTY SAND</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SILTY SAND and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and dark gray to black CRYSTAL LITHIC SILTY SAND. Units typically have sharp bases and are normally graded.</p> <p>Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SILTY SAND and black LITHIC CRYSTAL SILTY SAND, occur in Section 1, 27-29, 41-42, 57-59, 127-131, and 134-136 cm, Section 2, 54-58 and 58-60 cm, Section 3, 20-22 and 40-52 cm, Section 4, 30-40, 44-50, and 141-142 cm, Section 5, 12-14, 70-76, and 83-92 cm, Section 6, 24-26, 42-44, and 60-77 cm, and Section 7, 76-79 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic silty sands are volcanoclastic. Calcareous silty sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material.</p> |
| 2 | [Pattern] | 2 | | [Symbol] | | | 5Y 4/1 to N5 | |
| 3 | [Pattern] | 3 | | [Symbol] | | | 5Y 4/1 | |
| 4 | [Pattern] | 4 | | [Symbol] | | | 10Y 4/1 to 2.5Y N5/0 | |
| 5 | [Pattern] | 5 | Pleistocene | [Symbol] | | | | |
| 6 | [Pattern] | 6 | | [Symbol] | | | Ol | |
| 7 | [Pattern] | 7 | | [Symbol] | | | 2.5Y N4/0 | |
| 8 | [Pattern] | 6 | | [Symbol] | | | | |
| 9 | [Pattern] | 7 | | [Symbol] | | | | |
| 10 | [Pattern] | CC | | [Symbol] | | | S M | |



SITE 953 HOLE A CORE 11H

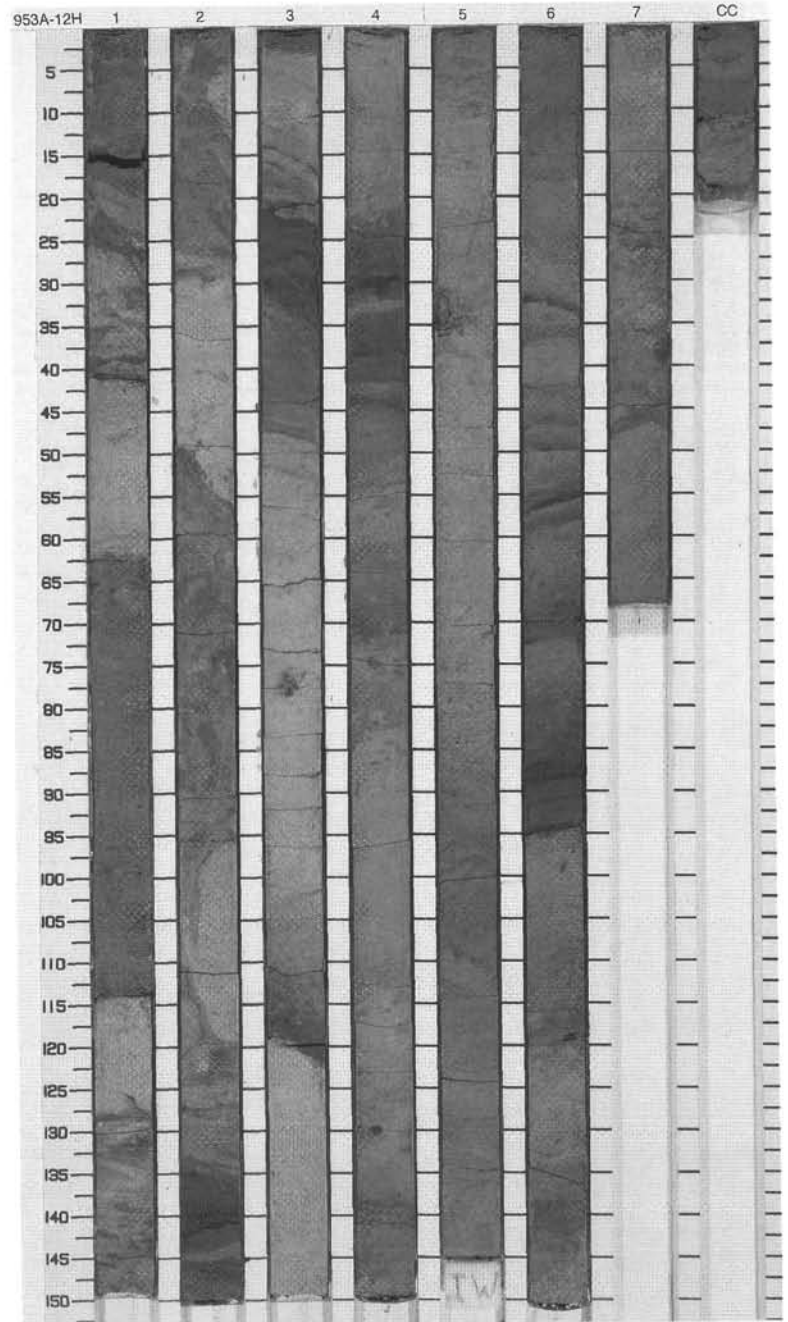
CORED 93.1 - 102.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|-------------------------|---------|-------------|-----------|---------|--------|-----------------|--|
| 1 | [Cross-hatched pattern] | 1 | Pleistocene | ⋈ | | | 2.5Y 5/1 To N4 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, LITHIC SAND, and CALCAREOUS SAND Major Lithologies: This core consists mainly of interbedded CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, LITHIC SAND, and CALCAREOUS SAND. Units typically have sharp bases and are normally graded. |
| 2 | [Cross-hatched pattern] | 2 | | ⋈ | | | | |
| 3 | [Cross-hatched pattern] | 3 | | ⋈ | | | N2 | Minor Lithologies: Minor interbeds of CALCAREOUS SAND and LITHIC SAND occur in Section 1, 28-32 and 32-51 cm, Section 2, 100-105, 118-132, and 137-150 cm, Section 3, 4-12 and 52-54 cm, Section 4, 116-118 and 141-143 cm, and Section 5, 36-38 cm. |
| 4 | [Cross-hatched pattern] | 4 | | ⋈ | | | | |
| 5 | [Cross-hatched pattern] | 5 | | ⋈ | | | S SO S | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole foraminifer tests and minor amounts of volcanoclastic material. |
| 6 | [Cross-hatched pattern] | 6 | | ⋈ | | | | |
| 7 | [Cross-hatched pattern] | 5 | | ⋈ | | | | |
| 8 | [Cross-hatched pattern] | 6 | | ⋈ | | | N5 To 2.5Y N4/0 | |
| 9 | [Cross-hatched pattern] | CC | | ⋈ | | | | |



SITE 953 HOLE A CORE 12H
 CORED 102.6 - 112.1 mbsf

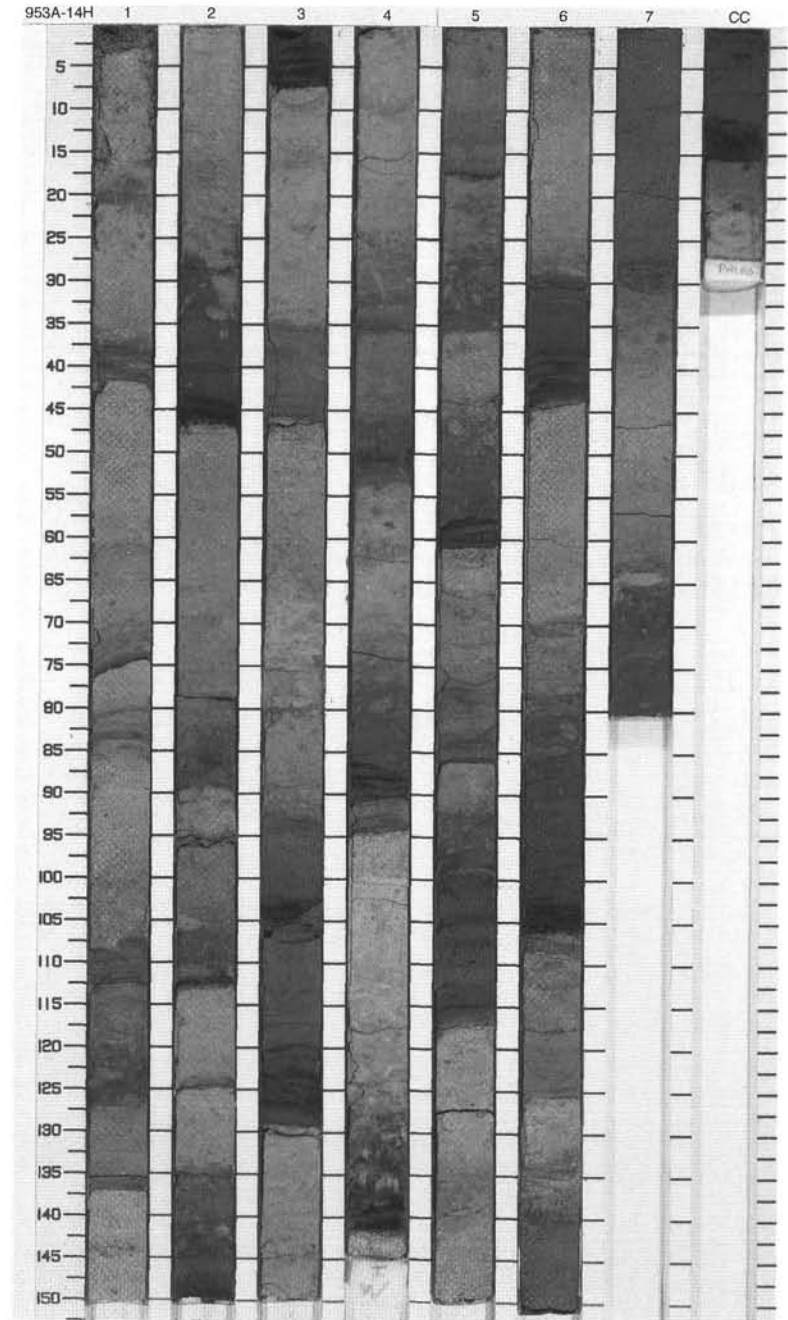
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-------------|-----------|---------|--------|----------------------|--|
| 1 | | 1 | | | ww | | 2.5Y N3/0 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CALCAREOUS SAND, and CRYSTAL LITHIC SAND |
| 2 | | 2 | | | ww | | 2.5Y N5/0 to 10Y 3/1 | Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and dark gray to black CRYSTAL LITHIC SAND. Units typically have sharp bases and are normally graded. |
| 3 | | 3 | | | ww | | | Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SAND and black LITHIC SAND, occur in Section 1, 24-26 and 39-41 cm, Section 2, 140-141 and 147-150 cm, Section 3, 21-28 and 114-118 cm, Section 4, 30-32 cm, Section 6, 30-32, 56-57, 71-73, and 88-95 cm. |
| 4 | | 4 | Pleistocene | | | | 2.5Y N4/0 to 5Y 3/1 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material. |
| 5 | | 5 | | | | | | |
| 6 | | 6 | | | | | | |
| 7 | | 7 | | | | | | |
| 8 | | 6 | | | | | 2.5Y N4/0 | |
| 9 | | 7 | | | | | | |
| | | CC | | | | M | | |



SITE 953 HOLE A CORE 14H

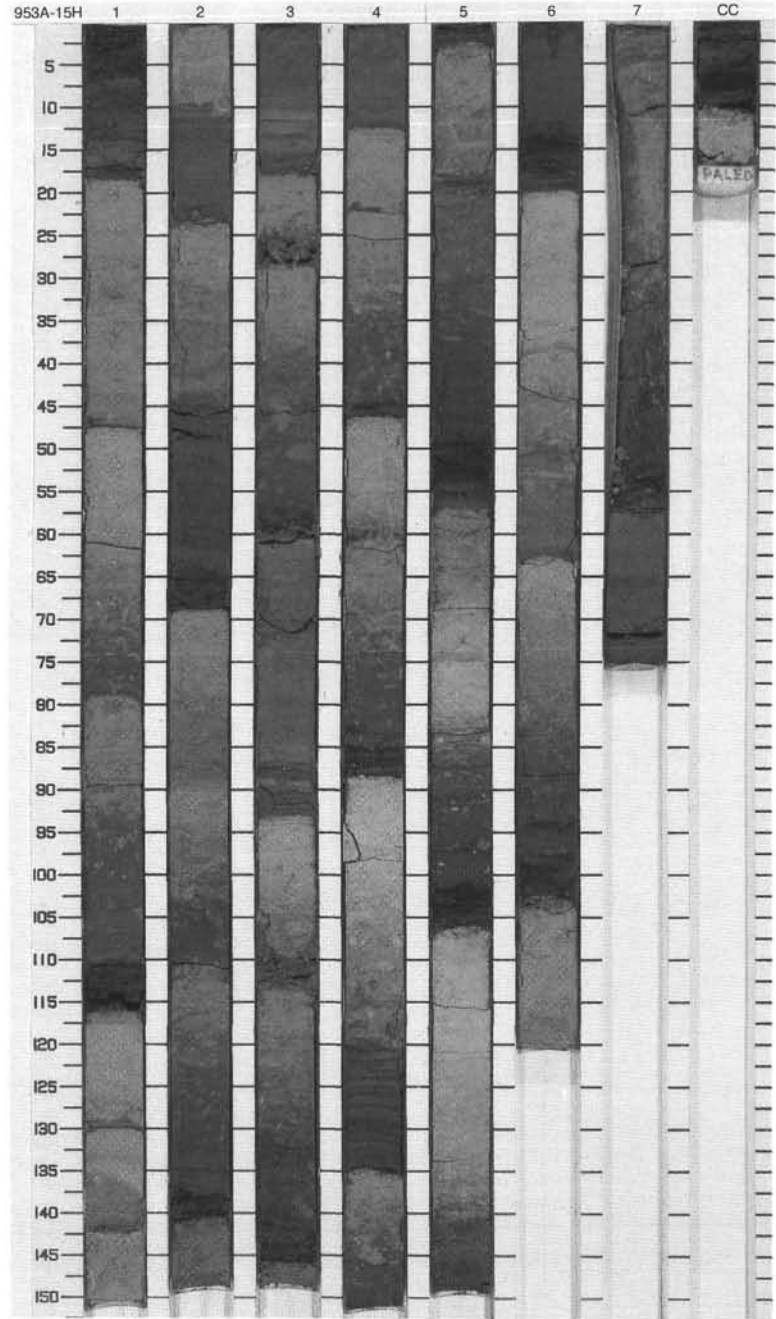
CORED 121.6 - 131.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-------------|-----------|---------|--------|----------------------|---|
| 1 | | 1 | | | | S | 2.5Y 5/2 to 5Y 2.5/1 | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and CALCAREOUS SAND</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Units typically have sharp bases and are normally graded.</p> <p>Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SAND and black LITHIC CRYSTAL SAND, occur in Section 1, 0-3, 38-42, 72-74, 80-84, 108-114, 123-128, and 137-138 cm, Section 2, 33-44, 44-46, 86-91, 107-114, 124-126, 135-148, and 148-150 cm, Section 3, 0-6, 35-46, 75-81, 91-105, 115-117, and 117-132 cm, Section 4, 28-30, 45-52, 76-86, 86-91, 91-94, 131-183, 138-145, and 145-150 cm, Section 5, 0-17, 31-34, 50-56, 56-60, 80-84, 90-96, and 96-115 cm, Section 6, 28-38, 38-44, 69-70, 101-105, and 118-126 cm, Section 7, 65-80 cm, and Section CC, 0-10 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcaniclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcaniclastic material.</p> |
| 2 | | 2 | | | | S | | |
| 3 | | 3 | | | | | | |
| 4 | | 3 | | | | | 2.5Y N5/0 to 5Y 3/1 | |
| 5 | | 4 | Pleistocene | | | | | |
| 6 | | 4 | | | | | | |
| 7 | | 5 | | | | | 2.5Y N4/0 to 5Y 2/1 | |
| 8 | | 6 | | | | | | |
| 9 | | 7 | | | | | 5Y 2/1 | |
| 10 | | CC | | | | | 2.5Y N3/0 | |



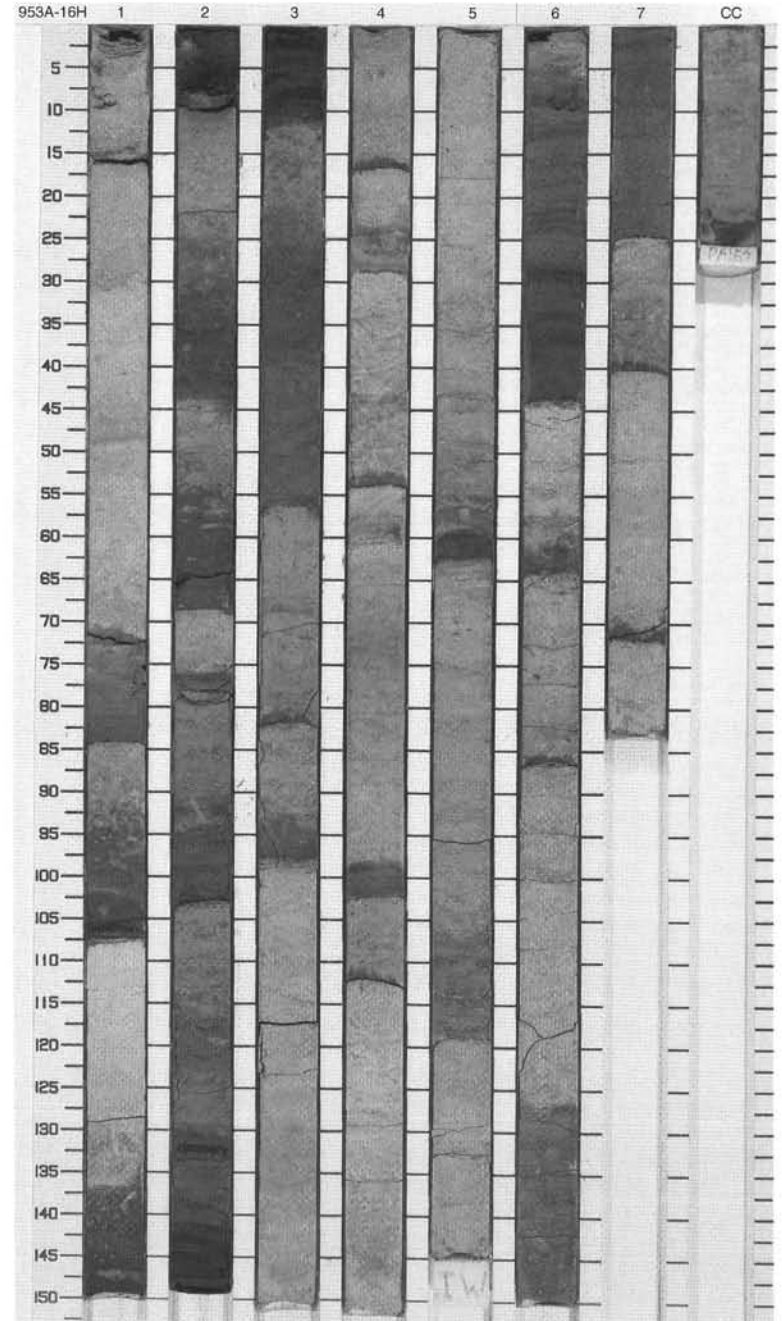
SITE 953 HOLE A CORE 15H CORED 131.1 - 140.6 mbsf

| Meter | Graphic Lith. | Section Age | Structure | Disturb | Sample | Color | Description | | | |
|-------|---------------|-------------|-----------|---------|--------|-----------------------|--|---|----------------------|--|
| 1 | | Pleistocene | | | S | 2.5Y 5/1 to 2.5Y N2/0 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS | | | |
| 2 | | | | | | | Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SILTY SAND and black CRYSTAL LITHIC SAND, occur in Section 1, 6-13, 16-18, 44-47, 77-79, 111-116, 129-130, and 136-142 cm, Section 2, 10-23, 44-49, 64-69, 79-90, 102-111, and 139-141 cm, Section 3, 15-17, 25-28, 58-60, 90-93, 109-113, and 144-146 cm, Section 4, 10-12, 44-46, 85-88, and 119-135 cm, Section 5, 0-3, 18-19, 48-54, 54-55, and 101-106, Section 6, 11-20, 50-63, and 98-103 cm, Section 7, 0-5 and 57-75 cm, and Section CC, 0-5, 5-8, and 8-10 cm. | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | O | 2.5Y 2.5/1 to 5Y 3/1 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material. |
| 9 | | | | | | | | | | |
| CC | | | | | | | | M | | |



SITE 953 HOLE A CORE 16H CORED 140.6 - 150.1 mbsf

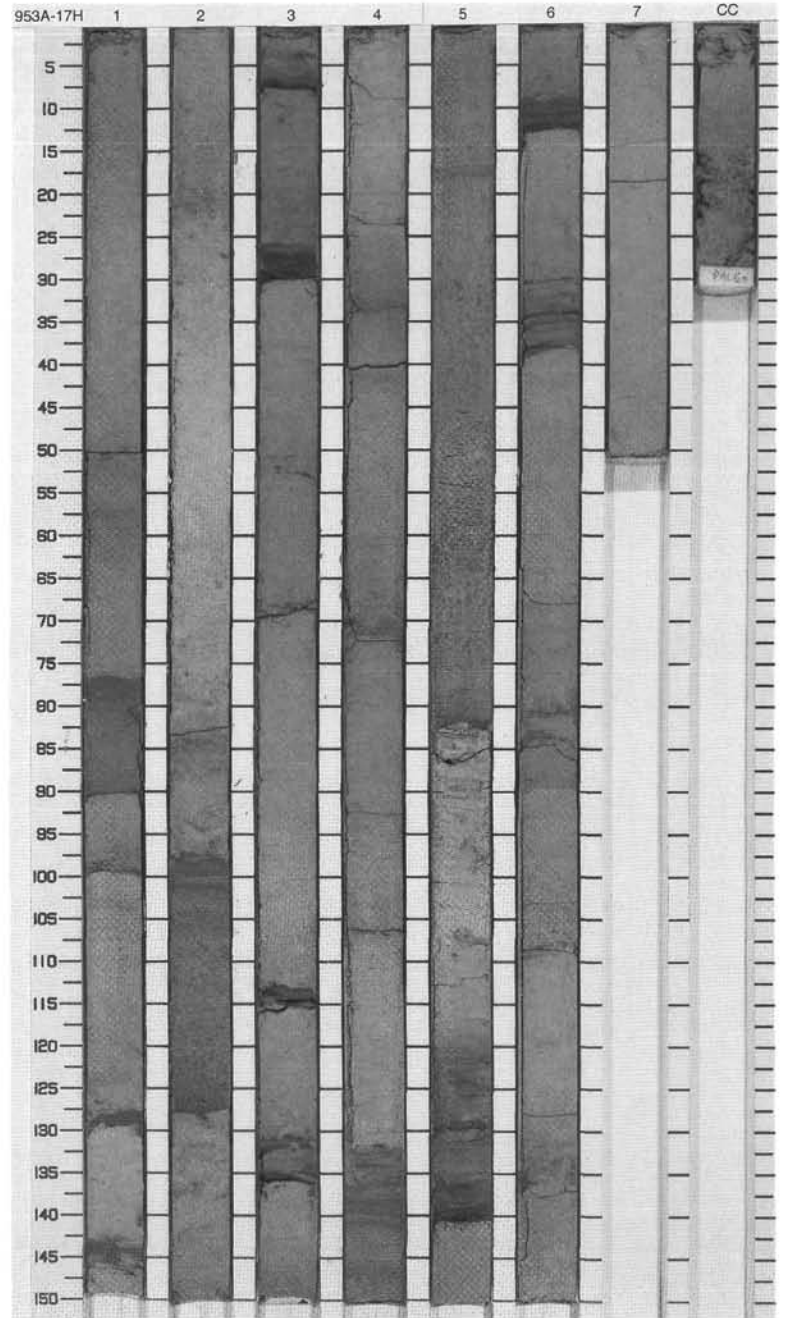
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------|------------------------|--|
| 1 | [Pattern] | 1 | | [Symbol] | | | 2.5Y 5/1 to 10YR 2/1 | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CALCAREOUS SAND, and CRYSTAL LITHIC SAND</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and dark gray to black CRYSTAL LITHIC SAND. Units typically have sharp bases and are normally graded.</p> |
| 2 | [Pattern] | 2 | | [Symbol] | | | 2.5Y 2.5/1 to 5Y 3/1 | |
| 3 | [Pattern] | 3 | | [Symbol] | | | | <p>Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SILTY SAND and black LITHIC CRYSTAL SILTY SAND, occur in Section 1, 14-15, 70-84, 106-107, and 137-150 cm, Section 2, 0-8, 26-44, 52-69, 76-78, 91-103, 117-123, and 141-150 cm, Section 3, 0-12, 23-39, 55-56, 81-82, and 93-98 cm, Section 4, 16-17, 28-29, 52-54, and 92-102 cm, Section 5, 60-62 and 104-119 cm, Section 6, 62-64 and 86-87 cm, Section 7, 38-40 cm, and Section CC, 23-24 cm.</p> |
| 4 | [Pattern] | 4 | | [Symbol] | | | N5 to 2.5Y N5/0 | |
| 5 | [Pattern] | 4 | late Pliocene | [Symbol] | | | N4 to 2.5Y N4/0 | <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material.</p> |
| 6 | [Pattern] | 5 | | [Symbol] | | | 2.5Y N4/0 to 2.5Y N5/0 | |
| 7 | [Pattern] | 6 | | [Symbol] | | | 10Y 3/1 | <p>O I</p> |
| 8 | [Pattern] | 6 | | [Symbol] | | | 5Y 3/1 to 2.5Y N5/0 | |
| 9 | [Pattern] | 7 | | [Symbol] | | | | <p>M</p> |
| 10 | [Pattern] | CC | | [Symbol] | | | | |



SITE 953 HOLE A CORE 17H

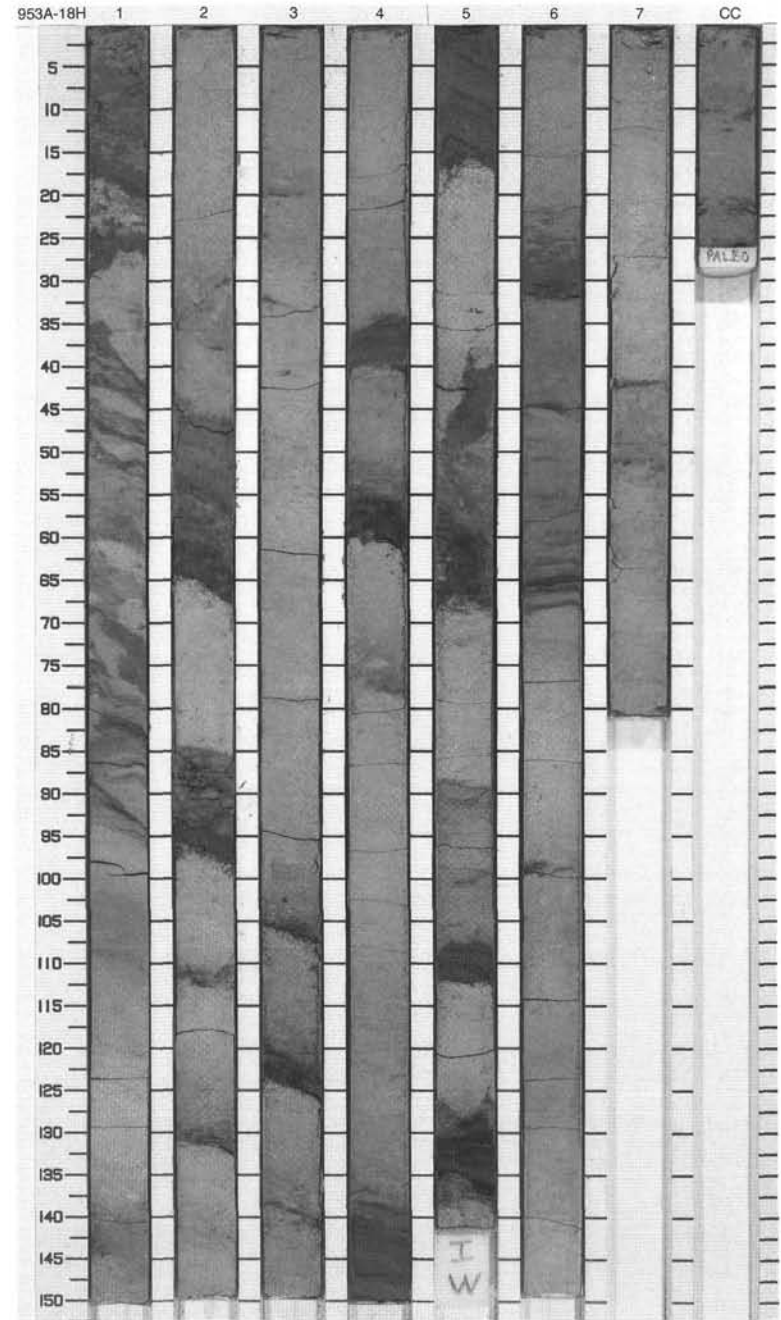
CORED 150.1 - 159.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-----|-----------|---------|--------|-----------------|--|
| 1 | [Pattern] | 1 | | }} | | | N5 to 2.5Y N4/0 | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and CALCAREOUS SAND WITH LITHICS AND CRYSTALS</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND WITH LITHICS AND CRYSTALS and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Units typically have sharp bases and are normally graded.</p> |
| 2 | [Pattern] | 2 | | }} | | | 5Y 5/1 | |
| 3 | [Pattern] | 3 | | }} | | | 2.5Y N4/0 to N5 | <p>Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SAND and black LITHIC CRYSTAL SAND, occur in Section 1, 77-90, 97-100, 129-130, and 144-146 cm, Section 3, 3-6, 6-7, 26-30, 52-53, 113-115, and 133-136 cm, Section 5, 119-129, 129-130, and 136-141 cm, Section 6, 9-12, 30, 31, 33-38, 80-81, and 83-84 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material.</p> |
| 4 | [Pattern] | 4 | | }} | | | 5Y 5/1 | |
| 5 | [Pattern] | 5 | | }} | | | 5Y 4/1 to N5 | |
| 6 | [Pattern] | 6 | | }} | | | N5 | |
| 7 | [Pattern] | 7 | | }} | | | O | |
| CC | [Pattern] | CC | | }} | | | | |

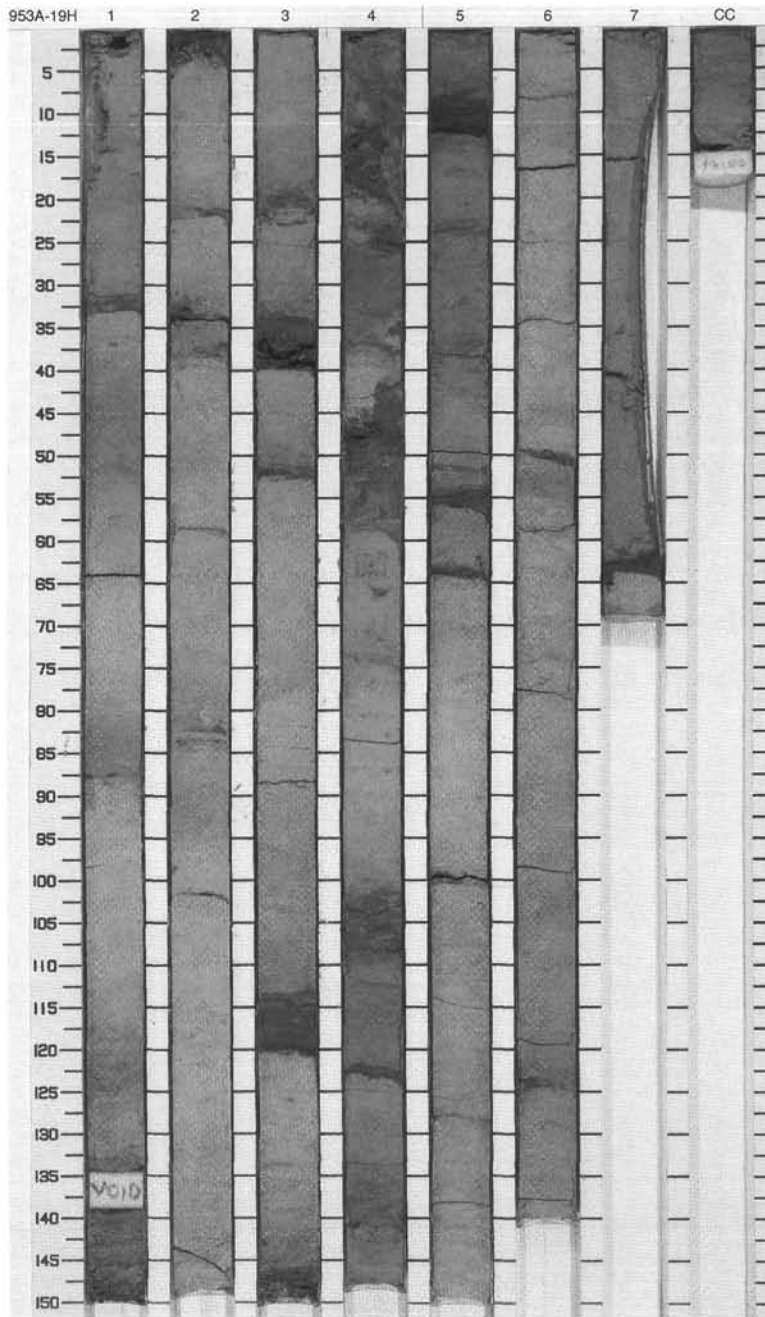


SITE 953 HOLE A CORE 18H CORED 159.6 - 169.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|-------------------------|---------|---------------|-----------|---------|-------------------|-------|---|
| 1 | [Cross-hatched pattern] | 1 | | | W | N5/1 | | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and CALCAREOUS SAND WITH LITHICS AND CRYSTALS |
| 2 | [Cross-hatched pattern] | 2 | | | W | N5/1 to 2.5Y N3/0 | S | Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND WITH LITHICS AND CRYSTALS and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Units typically have sharp bases and are normally graded. |
| 3 | [Cross-hatched pattern] | 3 | | | W | N5/1 to 10YR 3/1 | | Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SILTY SAND and black LITHIC CRYSTAL SAND and TEPHRA LAYERS, occur in Section 1, 138-146 cm, Section 2, 44-55, 60-65, 84-88, 93-96, 111-113, and 130-131 cm, Section 3, 105-106, 121-124, and 138-139 cm, Section 4, 34-39 and 55-60 cm, Section 5, 108-112 and 128-136 cm, Section 6, 24-32 and 64-68 cm. |
| 4 | [Cross-hatched pattern] | 4 | late Pliocene | | W | N5/1 to 2.5Y N3/0 | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcaniclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcaniclastic material. |
| 5 | [Cross-hatched pattern] | 5 | | | W | 5Y 3/1 | | |
| 6 | [Cross-hatched pattern] | 6 | | | W | N5/1 to 2.5Y 5/2 | O I | |
| 7 | [Cross-hatched pattern] | 7 | | | W | N5/1 to 5Y 2/1 | | |
| 10 | [Cross-hatched pattern] | CC | | | | | | |

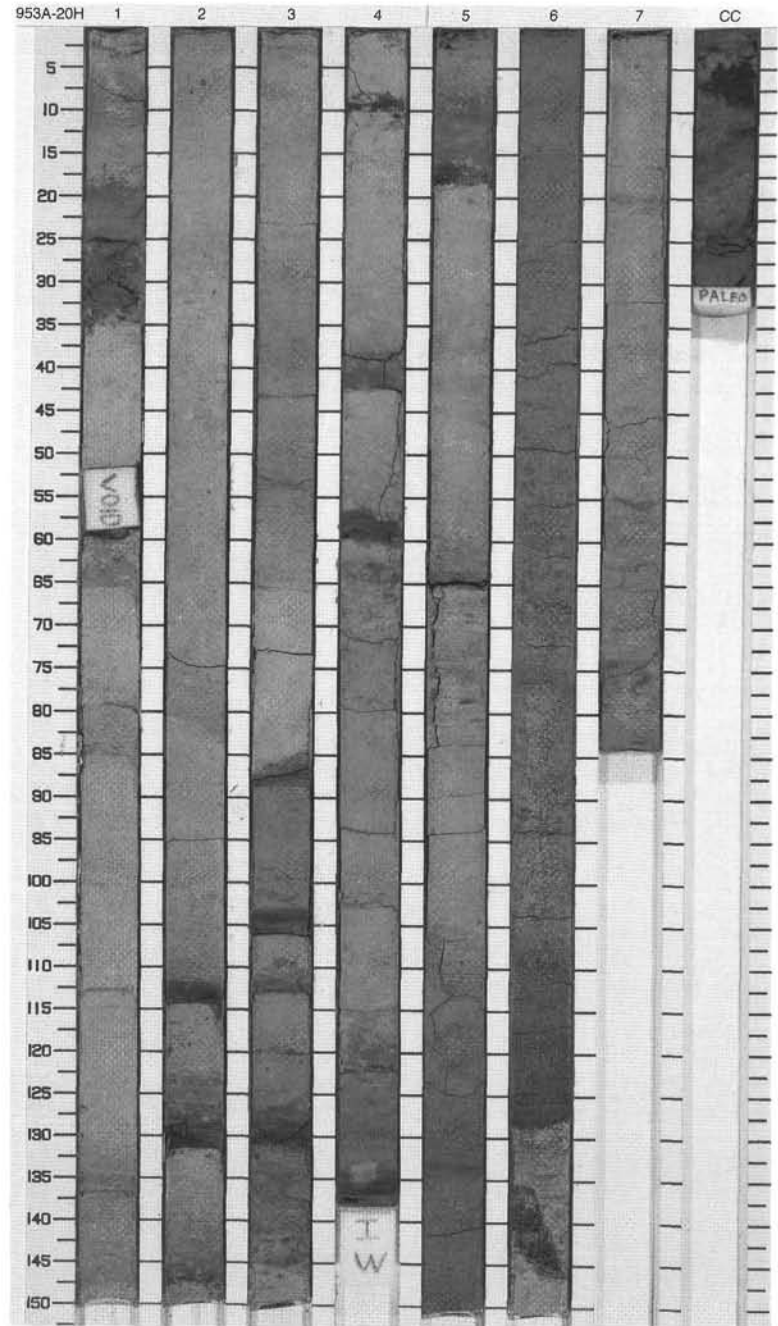


| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-----|-----------|---------|--------|-------|--|
| 1 | [Pattern] | 1 | | [Symbol] | | | | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS Major Lithology: This core consists mainly of interbedded CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Units typically have sharp bases and are normally graded. |
| 2 | [Pattern] | 2 | | [Symbol] | | | | |
| 3 | [Pattern] | 3 | | [Symbol] | | | | Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SILTY SAND and black LITHIC CRYSTAL SILTY SAND, occur in Section 1, 32-33, 87-88, and 133-146 cm, Section 2, 21-22, 33-34, 38, 82, and 83-84 cm, Section 3, 33-39, 51-52, 113-120, and 146-150 cm, Section 4, 100-110 and 122-123 cm, Section 5, 8-13, 23-24, 52-54, 54-56, 64-65, and 100-101 cm, Section 6, 124-125 cm, and Section 7, 62-64 cm. |
| 4 | [Pattern] | 4 | | [Symbol] | | | | |
| 5 | [Pattern] | 5 | | [Symbol] | WW | | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material. |
| 6 | [Pattern] | 6 | | [Symbol] | | | | |
| 7 | [Pattern] | 7 | | [Symbol] | | | | N5/1 to 2.5Y 4/2 |
| 8 | [Pattern] | 8 | | [Symbol] | | | | |
| 9 | [Pattern] | 9 | | [Symbol] | | | | N5/1 to 2.5Y 5/2 |
| 10 | [Pattern] | 10 | | [Symbol] | | | | |



SITE 953 HOLE A CORE 20H CORED 178.6 - 188.1 mbsf

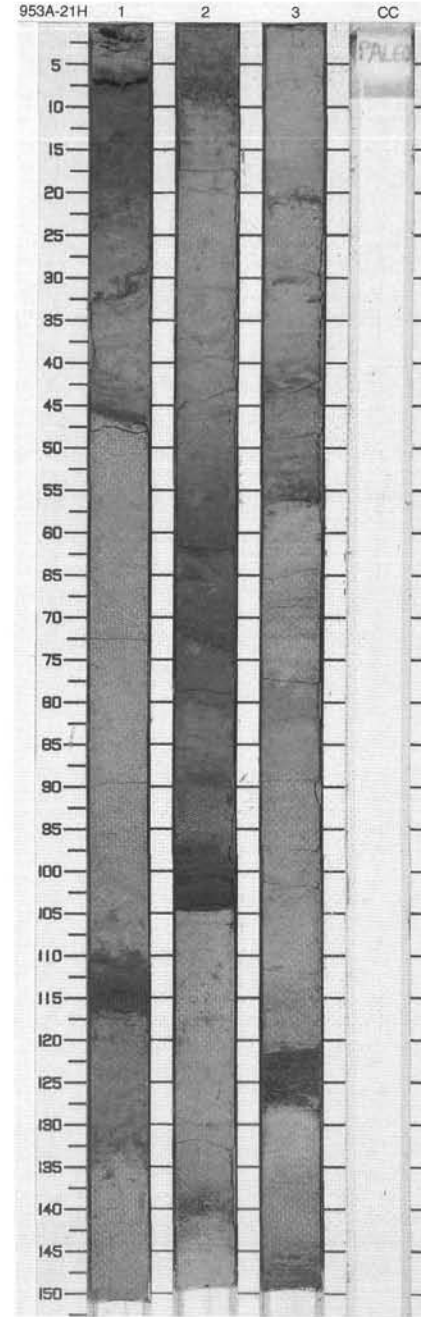
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------|------------------------|--|
| 1 | [Pattern] | 1 | | ~ | | S | N5/1 to 2.5Y N5/0 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and CALCAREOUS SAND WITH LITHICS AND CRYSTALS Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND WITH LITHICS AND CRYSTALS and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Units typically have sharp bases and are normally graded. |
| 2 | [Pattern] | 2 | | ~ | | | | |
| 3 | [Pattern] | 3 | | ~ | | | N2.5/1 to 2.5Y N5/0 | Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SILTY SAND and black LITHIC CRYSTAL SILTY SAND, occur in Section 1, 19-32 and 113 cm, Section 2, 110-112, 112-114, 122-128, 128-132, and 142-148 cm, Section 3, 86-89, 103-106, 110-113, and 127-131 cm, Section 4, 8-10, 38-42, 56-60, and 135-137 cm, Section 5, 16-18 cm, 65 cm. |
| 4 | [Pattern] | 4 | late Pliocene | ~ | | | 5Y 3/1 to 2.5Y N5/0 | |
| 5 | [Pattern] | 5 | | ~ | | | 2.5Y N4/0 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcaniclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcaniclastic material. |
| 6 | [Pattern] | 6 | | ~ | | | 2.5Y N5/0 to 2.5Y N4/0 | |
| 7 | [Pattern] | 7 | | ~ | | | 5Y 4/1 | |
| 8 | [Pattern] | 8 | | ~ | | | | |
| 9 | [Pattern] | 9 | | ~ | | | 2.5Y N5/0 to 2.5Y N4/0 | |
| 10 | [Pattern] | CC | | | | | | |



SITE 953 HOLE A CORE 21H

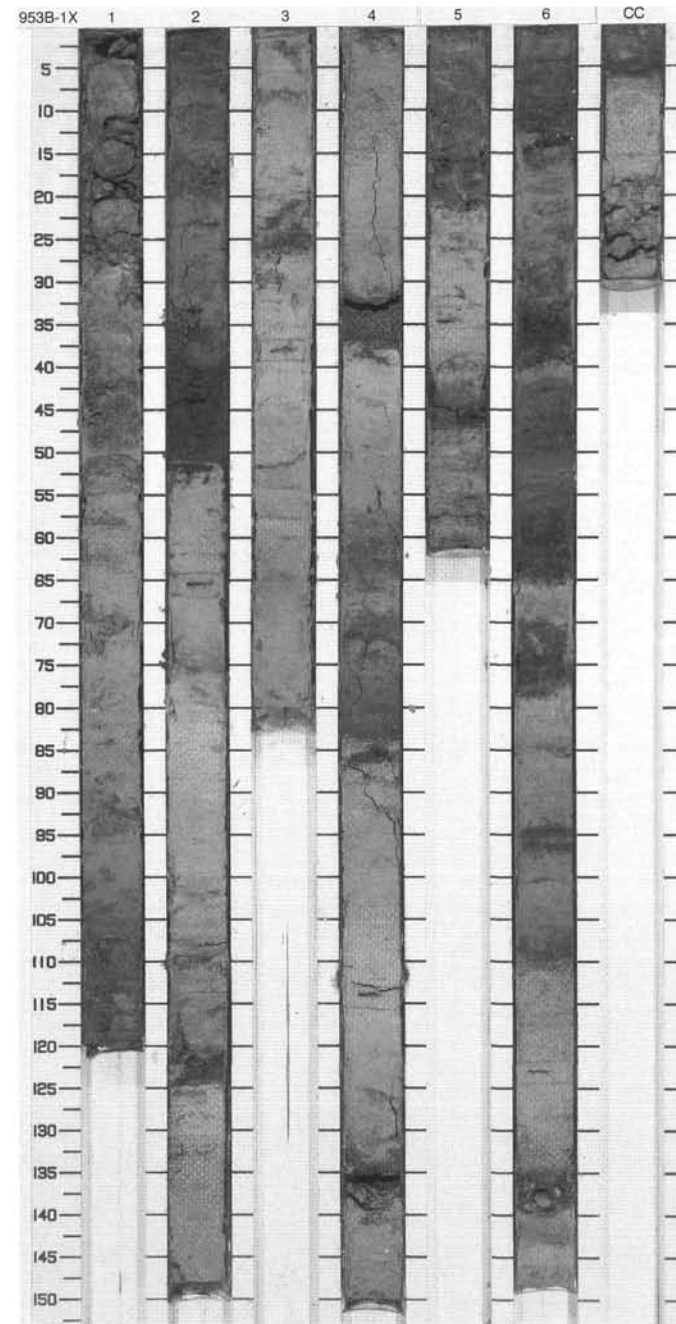
CORED 188.1 - 192.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|--|---------------|---------|---------------|-----------|---------|--------|--------------------|--|
| 1 | [Pattern] | 1 | | }} | | | 2.5Y 4/1 to 5Y 4/1 | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and CALCAREOUS SAND WITH LITHICS AND CRYSTALS</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray CALCAREOUS SAND WITH LITHICS AND CRYSTALS and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Units typically have sharp bases and are normally graded.</p> |
| 2 | [Pattern] | 2 | late Pliocene | }} | | | | |
| 3 | [Pattern] | 3 | | }} | | | 2.5Y 4/1 to 5Y 2/1 | <p>Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SAND and black LITHIC CRYSTAL SAND, occur in Section 1, 30-32, 46, and 109-116 cm, Section 2, 57-63, 73, and 97-105 cm, and Section 3, 54-56 and 126-128 cm.</p> |
| 4 | [Pattern] | CC | | }} | OM | | | |
| <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material.</p> | | | | | | | | |



SITE 953 HOLE B CORE 1X CORED 188.1 - 197.7 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|-------------------------|---------|---------------|-----------|---------|--------|-----------------------|---|
| 1 | [Cross-hatched pattern] | 1 | | | W | | 2.5Y 4/1 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CLAYEY NANNOFOSSIL MIXED SEDIMENT, and LITHIC CRYSTAL SAND WITH FORAMINIFERS |
| 2 | [Cross-hatched pattern] | 2 | | }} | | T | 2.5Y 3/1 | Major Lithologies: This core consists mainly of interbedded CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, CLAYEY NANNOFOSSIL MIXED SEDIMENT, and LITHIC CRYSTAL SAND WITH FORAMINIFERS. Units typically have sharp bases and are normally graded. |
| 3 | [Cross-hatched pattern] | 3 | | | | | 2.5Y 5/1 to 5Y N2.5/0 | |
| 4 | [Cross-hatched pattern] | 4 | late Pliocene | | | | 2.5Y 5/1 | Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SILTY SAND and black LITHIC CRYSTAL SILTY SAND, occur in Section 1, 91-93 cm, Section 2, 39-50 and 120-124 cm, Section 3, 22-27 cm, Section 4, 32-37 and 64-72 cm, Section 5, 11-15 and 47 cm, Section 6, 3-4, 40, and 41-43 cm. |
| 5 | [Cross-hatched pattern] | 5 | | }} | | | 2.5Y 5/1 to 5Y N3/0 | |
| 6 | [Cross-hatched pattern] | 6 | | }} | | T | 2.5Y 5/1 to 10Y 3/1 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material. |
| 7 | [Cross-hatched pattern] | CC | | }} | | | | |

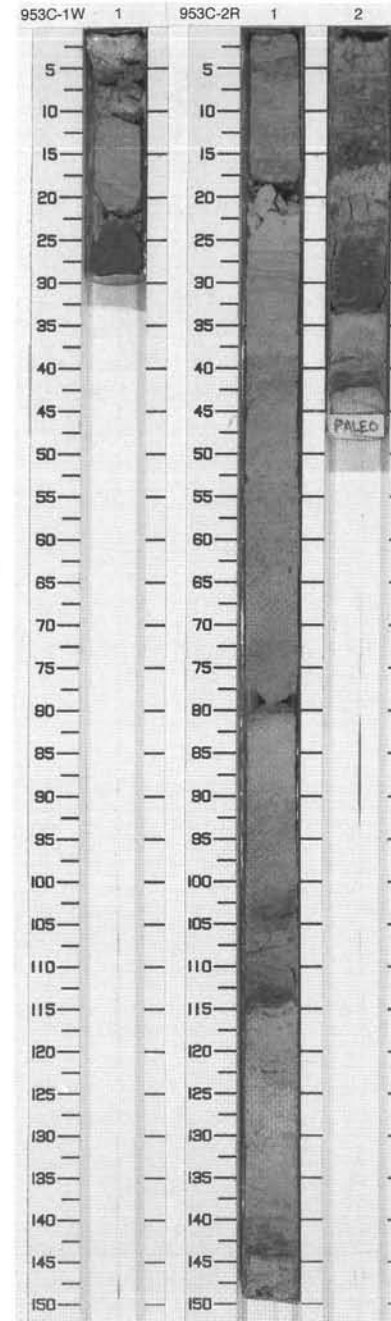


SITE 953 HOLE C CORE 1W CORED 0.0 - 187.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---------------|---------|-----|-----------|---------|--------|-------|---|
| | | 1 | | — | ⊥ | | | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFER, NANNOFOSSIL CHALK WITH FORAMINIFER and CLAYSTONE WITH NANNOFOSSIL |
| <p>Major Lithologies: This core consists mainly of interbedded white to light gray CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFER, light gray NANNOFOSSIL CHALK WITH FORAMINIFER and dark greenish gray CLAYSTONE WITH NANNOFOSSIL. Units are disturbed.</p> <p>General Description: This core consists of interbeds of the major and minor lithologies. Strong drilling disturbance. Color ranges between 2Y 5/1 and 8Y 3/1.</p> | | | | | | | | |

SITE 953 HOLE C CORE 2R CORED 187.0 - 196.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|--|---------------|---------|-----|-----------|---------|--------|--------------------|---|
| | | 1 | | ~ | --- | S | 2.5Y 5/1 to 5Y 4/1 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS |
| | | 2 | | ~ | --- | O | | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS |
| <p>Major Lithology: This core consists mainly of light gray CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS.</p> <p>Minor Lithologies: Thin interbeds of dark gray LITHIC FORAMINIFER SAND and black CRYSTAL LITHIC SILTY SAND, occur in Section 1, 18–19, 78–80, 106–110, and 110–115 cm, Section 2, 5–16, 23–34, and 38–42 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of whole foraminifer tests and a minor amount of volcanoclastic material. Colors range between black, light gray, and dark gray.</p> | | | | | | | | |

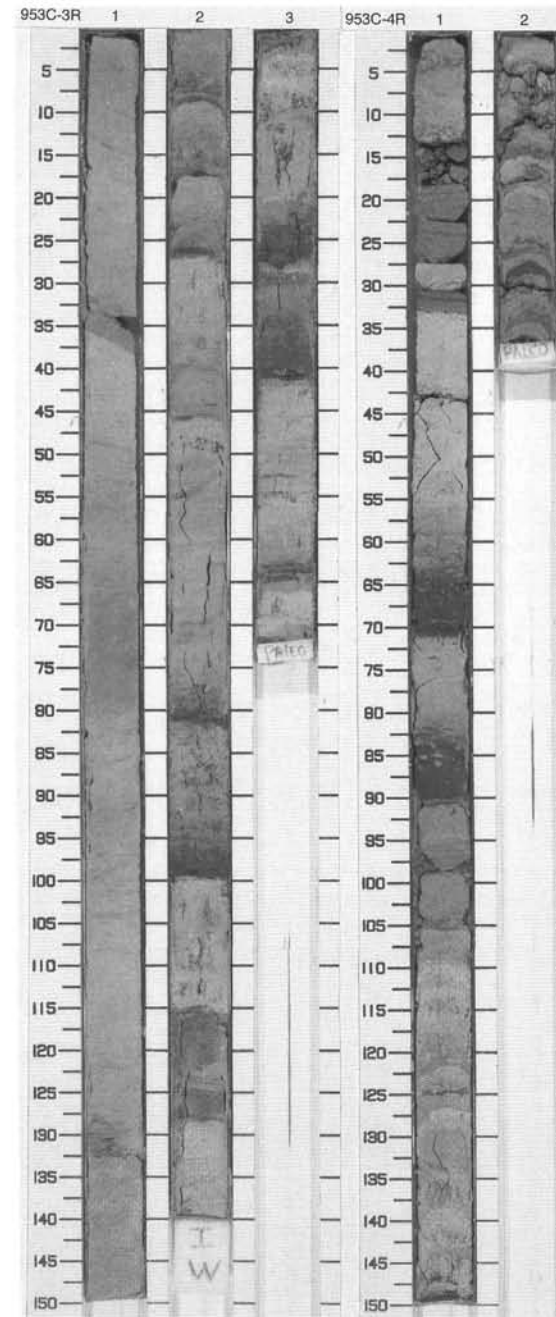


SITE 953 HOLE C CORE 3R CORED 196.5 - 206.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-------------|-----------|------------------|--------------------|--|
| 1 | [Pattern] | 1 | late Pliocene | [Structure] | [Disturb] | S O S S | 2.5Y 5/1 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS Major Lithology: This core consists mainly of CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. |
| 2 | [Pattern] | 2 | | [Structure] | [Disturb] | | 2.5Y 5/1 to 5Y 4/1 | Minor Lithologies: Minor interbeds of gray CLAYEY NANNOFOSSIL MIXED SEDIMENT and black CRYSTAL LITHIC SILTY SAND, occur in Section 1, 33-36 cm, Section 2, 7-9, 16-17, 26-27, 45-46, 78-81, 95-100, and 115-128 cm, Section 3, 0-2, 20-27, 28-30, 34-41, 41-58, and 58-65 cm. |
| 3 | [Pattern] | 3 | | [Structure] | [Disturb] | | 5Y 3/1 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Mixed sediments are generally composed of nannofossils, foraminifers, and volcanoclastic material. Colors range between black, light gray, and dark gray. |

SITE 953 HOLE C CORE 4R CORED 206.1 - 215.8 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|--|---------------|---------|-----|-------------|-----------|--------|---|---|
| 1 | [Pattern] | 1 | | [Structure] | [Disturb] | O | 2.5Y 4/1 to 7.5GY 3/2 | FORAMINIFER NANNOFOSSIL CHALK and FORAMINIFER NANNOFOSSIL MIXED SEDIMENT Major Lithologies: This core consists mainly of interbedded light gray FORAMINIFER NANNOFOSSIL CHALK and FORAMINIFER NANNOFOSSIL MIXED SEDIMENT. |
| 2 | [Pattern] | 2 | | [Structure] | [Disturb] | | Minor Lithologies: Minor interbeds of dark gray, normally graded FORAMINIFER SANDSTONE WITH LITHICS, occur in Section 1, 12-27, 30-33, and 60-71 cm. | |
| <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Lithic component of FORAMINIFER SANDSTONE WITH LITHICS is volcanoclastic. Colors range between light gray and dark gray.</p> | | | | | | | | |

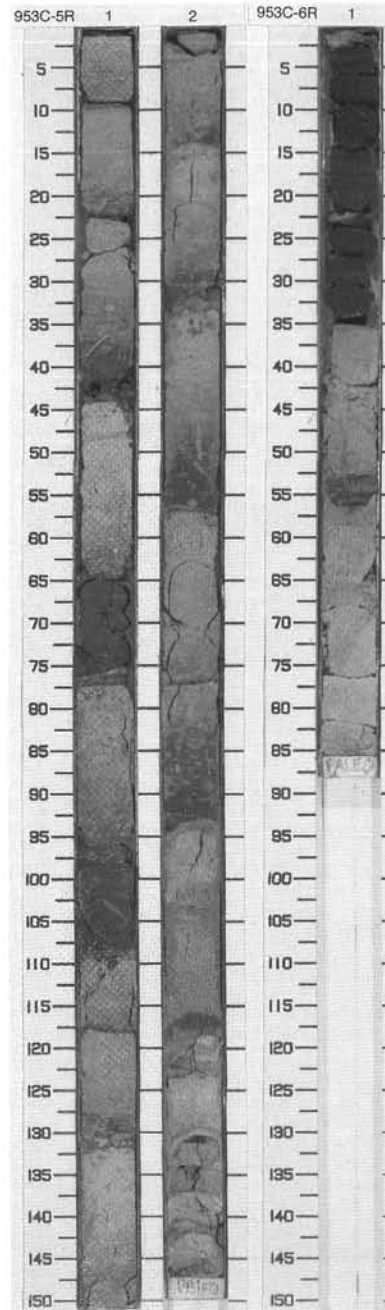


SITE 953 HOLE C CORE 5R CORED 215.8 - 225.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|----------|--------|--------------------|---|
| 1 | [Pattern] | 1 | late Pliocene | [Symbol] | [Symbol] | S | 2.5Y 4/1 to 5Y 4/2 | FORAMINIFER NANNOFOSSIL CHALK Major Lithology: This core consists mainly of FORAMINIFER NANNOFOSSIL CHALK. Minor Lithologies: Minor interbeds of dark gray to black NANNOFOSSIL CLAY, occur in Section 1, 18-22, 36-44, 59-64, and 95-109. General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. FORAMINIFER NANNOFOSSIL CHALK contains minor amounts of volcaniclastic material. Colors range between black, light gray, and dark gray. |
| 2 | [Pattern] | 2 | | [Symbol] | [Symbol] | O | | |
| 3 | [Pattern] | | | [Symbol] | [Symbol] | M | | |

SITE 953 HOLE C CORE 6R CORED 225.5 - 235.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-----|-----------|----------|--------|--------------------|--|
| 1 | [Pattern] | 1 | | [Symbol] | [Symbol] | T S | 5Y 2/1 2.5Y 5/1 | FORAMINIFER LITHIC SANDSTONE and FORAMINIFER NANNOFOSSIL CHALK Major Lithologies: This core consists mainly of FORAMINIFER LITHIC SANDSTONE and FORAMINIFER NANNOFOSSIL CHALK. Minor Lithologies: Interbed of gray FORAMINIFER LITHIC SANDSTONE in Section 1, 55-57 cm. General Description: Bioturbation is common in the upper parts of calcareous lithologies. Lithic sandstones are volcaniclastic. Colors range between black, light gray, and dark gray. |

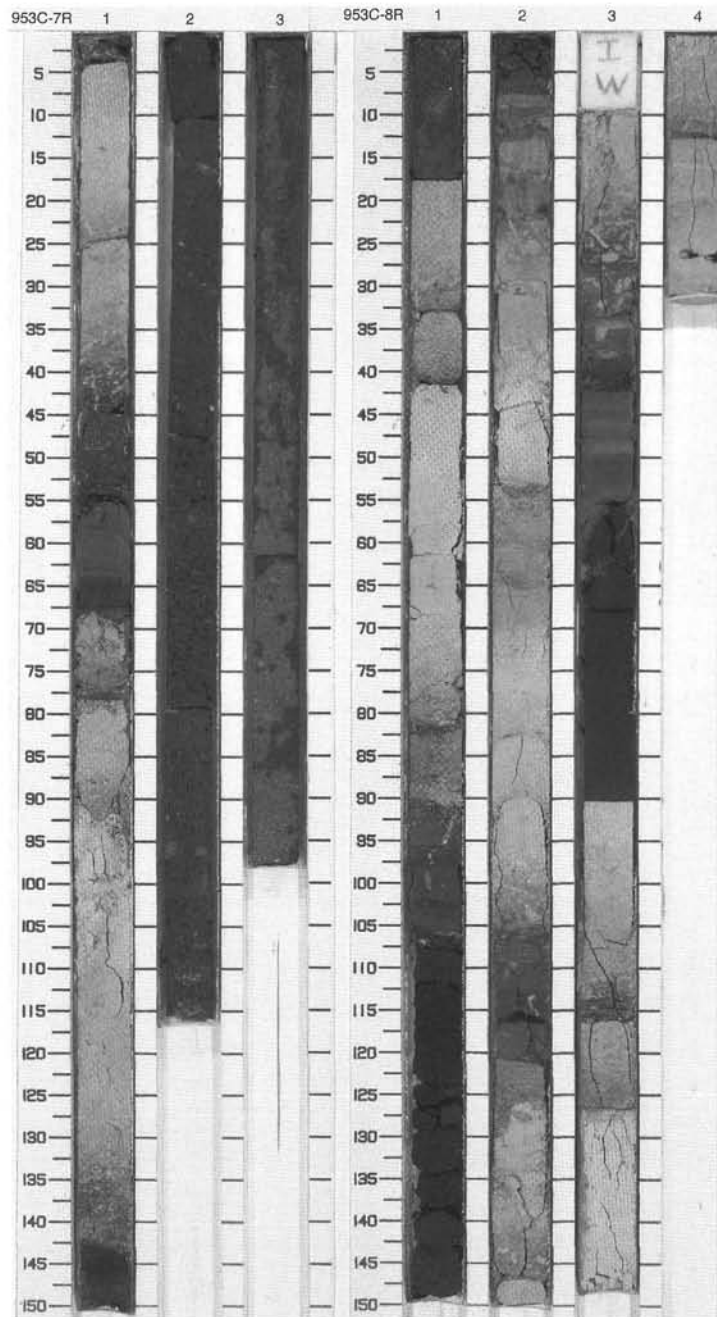


SITE 953 HOLE C CORE 7R CORED 235.0 - 244.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------------------------|--|--|
| 1 | [Pattern] | 1 | late Pliocene | ↑ F | TO | S | 5Y 3/1 to 5Y 5/1 | FORAMINIFER NANNOFOSSIL CHALK and LAPILLISTONE Major Lithologies: This core consists mainly of interbedded light gray FORAMINIFER NANNOFOSSIL CHALK and dark green-black LAPILLISTONE. Units typically have sharp bases and are normally graded. |
| 2 | [Pattern] | 2 | | ↑ F | | | | |
| 3 | [Pattern] | 3 | | ↑ F | | | | |
| 4 | [Pattern] | 4 | ↑ F | ↑ F | O I S | 2.5G 2.5/0 to 7.5G 2.5/0 | General Description: Bioturbation is common in the upper parts of the FORAMINIFER NANNOFOSSIL CHALK. The LAPILLISTONE is poorly sorted with subrounded to subangular grains and clasts. Most are composed of black basaltic rock fragments and minor chalk rip-up clasts. Several fining upward sequences are present within this unit. Colors range between 2Y 5/1 and 7G 2/0.4. | |
| 5 | [Pattern] | 5 | ↑ F | | | | | |
| 6 | [Pattern] | 6 | ↑ F | | | | | |

SITE 953 HOLE C CORE 8R CORED 244.6 - 254.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|---------------------|---|---|
| 1 | [Pattern] | 1 | early Pliocene | ↑ C | O I S | S | 2Y 5/1 to 2PB 1/0.1 | FORAMINIFER NANNOFOSSIL CHALK, LITHIC SANDSTONE, and CLAYEY SILTSTONE Major Lithologies: This core consists mainly of interbedded FORAMINIFER NANNOFOSSIL CHALK, LITHIC SANDSTONE, and CLAYEY SILTSTONE. Units typically have sharp bases and are normally graded. Minor Lithologies: Minor interbeds of LAPILLISTONE and CLAYSTONE occur in Section 1, 0-17 cm, Section 2, 105-121 cm. |
| 2 | [Pattern] | 2 | | ↑ F | | | | |
| 3 | [Pattern] | 3 | | ↑ F | | | | |
| 4 | [Pattern] | 4 | | ↑ F | | | | |
| 5 | [Pattern] | 5 | ↑ F | ↑ F | O I S | 2Y 5/1 to 2PB 1/0.1 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sandstones are volcaniclastic. | |
| 6 | [Pattern] | 6 | ↑ F | | | | | |
| 7 | [Pattern] | 7 | ↑ F | | | | | |
| 8 | [Pattern] | 8 | ↑ F | | | | | |



SITE 953 HOLE C CORE 9R

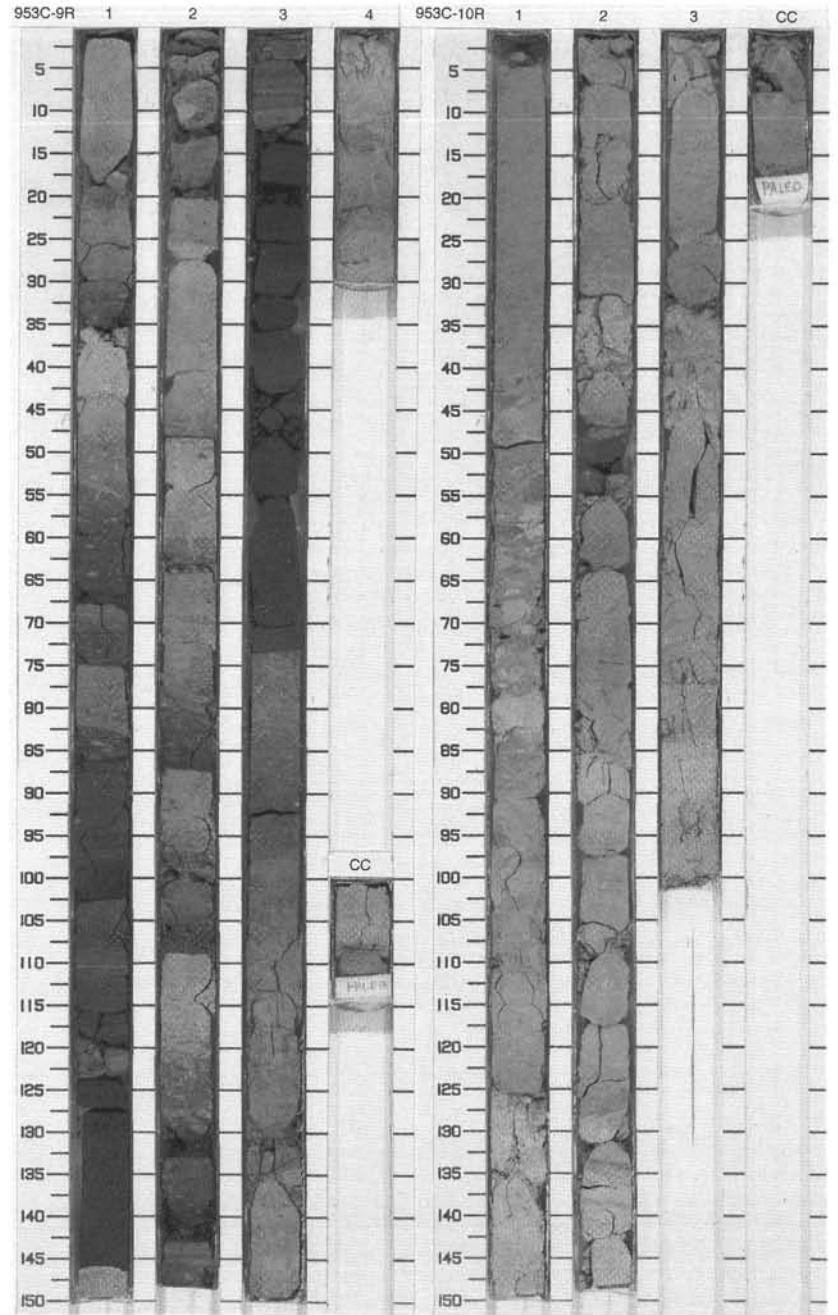
CORED 254.1 - 263.7 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|---------------------|---|
| 1 | [Pattern] | 1 | early Pliocene | ↑ F ☹☹☹ | | O | 2.5Y 4/2 to 10Y 3/1 | FORAMINIFER NANNOFOSSIL CHALK, SILTY CLAYSTONE, LITHIC SANDSTONE and LAPILLISTONE |
| 2 | [Pattern] | 2 | | ☹☹☹ | | | 2.5Y 4/2 | Major Lithologies: This core consists mainly of interbedded FORAMINIFER NANNOFOSSIL CHALK, SILTY CLAYSTONE, LITHIC SANDSTONE, and LAPILLISTONE. Units typically have sharp bases and are normally graded. |
| 3 | [Pattern] | 3 | | ↑ F ☹☹☹ | | | 10Y 3/1 to 2.5Y 3/2 | Minor Lithologies: Minor interbeds of CLAYSTONE occur in Section 1, 57-68 and 120-123 cm, and Section 2, 143-150 cm. |
| 4 | [Pattern] | 4 | | ☹☹☹ | | | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sandstones are volcaniclastic. |

SITE 953 HOLE C CORE 10R

CORED 263.7 - 273.4 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|--|---|
| 1 | [Pattern] | 1 | early Pliocene | ☹☹☹ | | S | 2.5Y 4/1 | NANNOFOSSIL CHALK |
| 2 | [Pattern] | 2 | | ☹☹☹ | | S | | Major Lithology: This core consists mainly of interbedded white to light gray NANNOFOSSIL CHALK. Units typically have sharp bases and are normally graded. |
| 3 | [Pattern] | 3 | | ☹☹☹ | | S | | Minor Lithologies: Minor interbeds of gray to black LITHIC CRYSTAL SAND, occur in Section 2, 49-53 and 134 cm. |
| 4 | [Pattern] | 4 | | ☹☹☹ | | M | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcaniclastic. | |

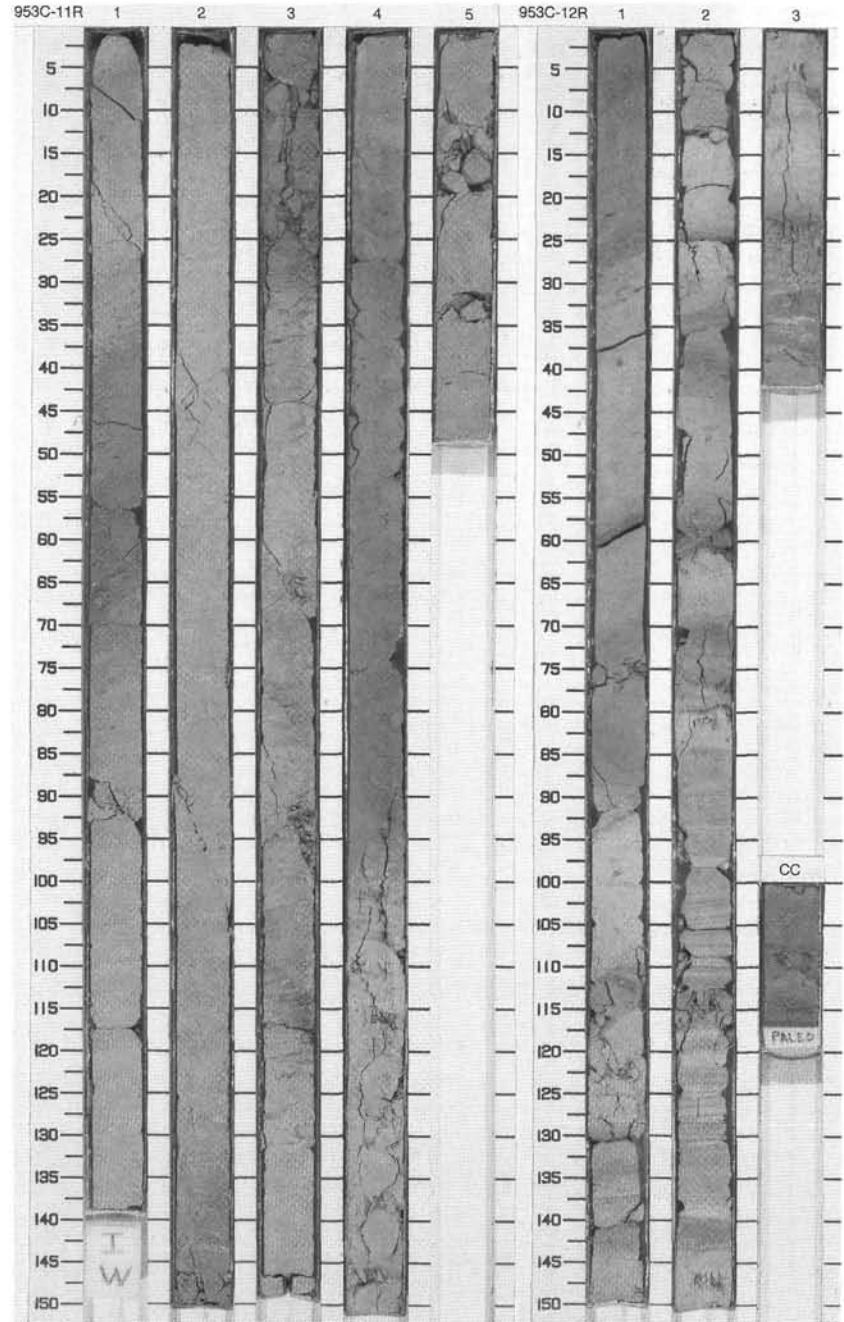


SITE 953 HOLE C CORE 11R CORED 273.4 - 283.0 mbsf

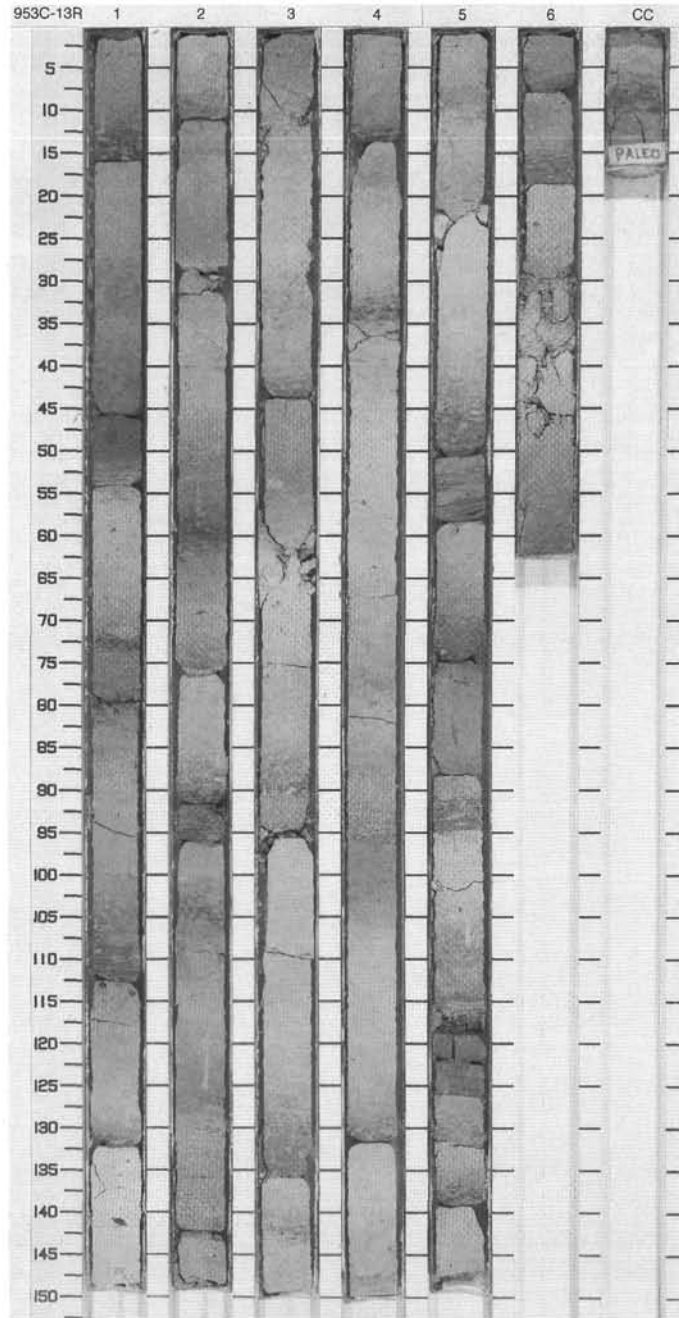
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|----------|--------|--------------------|---|
| 1 | [Pattern] | 1 | early Pliocene | [Symbol] | [Symbol] | O1 | 2.5Y 5/2 to 5Y 4/1 | <p>NANNOFOSSIL CHALK WITH FORAMINIFERS AND LITHICS AND CRYSTALS and CLAYEY NANNOFOSSIL MIXED SEDIMENTS</p> <p>Major Lithologies: This core consists mainly of interbedded light gray NANNOFOSSIL CHALK WITH FORAMINIFERS AND LITHICS AND CRYSTALS and CLAYEY NANNOFOSSIL MIXED SEDIMENTS. Units typically have sharp bases and are normally graded.</p> <p>General Description: Bioturbation is common in the upper parts of the NANNOFOSSIL CHALK WITH FORAMINIFERS AND LITHICS AND CRYSTALS. Colors range between white, light gray, and dark gray.</p> |
| 2 | [Pattern] | 2 | | | | | | |
| 3 | [Pattern] | 3 | | | | | | |
| 4 | [Pattern] | 4 | | | | | | |
| 5 | [Pattern] | 5 | | | | | | |
| 6 | [Pattern] | 5 | | | | M | | |

SITE 953 HOLE C CORE 12R CORED 283.0 - 292.7 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|----------|--------|--------------------|---|
| 1 | [Pattern] | 1 | early Pliocene | [Symbol] | [Symbol] | O | 2.5Y 4/2 | <p>NANNOFOSSIL CHALK and NANNOFOSSIL OOZE WITH CLAY</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray NANNOFOSSIL CHALK and NANNOFOSSIL OOZE WITH CLAY. Units typically have sharp bases and are normally graded.</p> <p>General Description: Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Colors range between white, light gray, and dark gray.</p> |
| 2 | [Pattern] | 2 | | | | | 2.5Y 4/2 to 5Y 4/1 | |
| 3 | [Pattern] | 3 | | | | | 2.5Y 4/2 | |
| | | CC | | | | M | | |

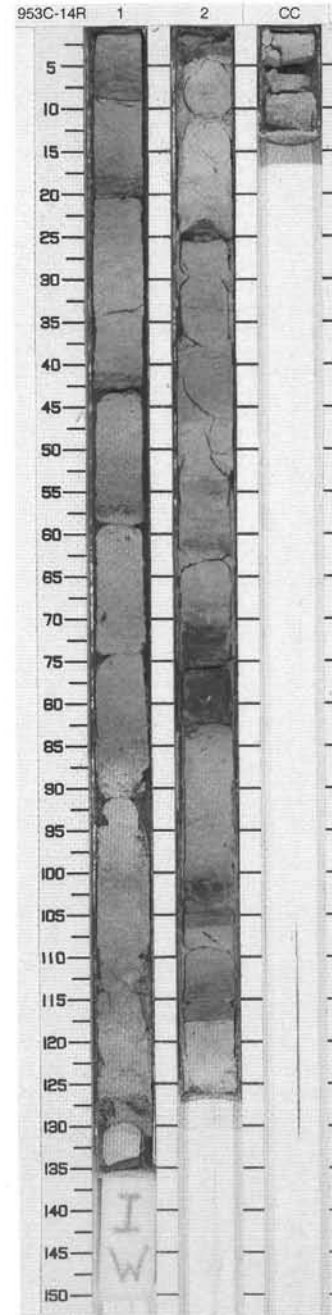


| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|--------------------|---|
| 1 | [Pattern] | 1 | early Pliocene | [Symbol] | | | | <p>NANNOFOSSIL CHALK WITH FORAMINIFERS</p> <p>Major Lithology: This core consists mainly of NANNOFOSSIL CHALK WITH FORAMINIFERS. Units typically have sharp bases and are normally graded.</p> <p>Minor Lithologies: Minor interbeds of gray CLAYSTONE, SILTSTONE and CLAYEY NANNOFOSSIL MIXED SEDIMENT occur in Section 1, 38, 51, 71-75, 78-80, 108-113, and 132-133 cm, Section 2, 8-11, 56-61, 72-76, 89-96, 101-105, 106-118, 126-129, and 142-143 cm, Section 3, 0-1, 30-33, 41-43, 43-60, 87-90, 91-96, and 129-136 cm, Section 4, 11-13, 31-34, 75-80, 93-96, 96-106, and 127-132 cm, Section 5, 5-9, 42-51, 69-75, 86-95, 104-119, 123-127, 129-133, and 137-140 cm, Section 6, 5-7, 14-19, and 26-30 cm, and Section CC, 6-10 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the most lithologies. Crystal and lithic sands are volcanoclastic. Colors range between white, light gray, and dark gray.</p> |
| 2 | [Pattern] | 2 | | | | | | |
| 3 | [Pattern] | 3 | | | | | | |
| 4 | [Pattern] | 3 | | | | | 2.5Y 5/2 to 5Y 4/2 | |
| 5 | [Pattern] | 4 | | | | | T | |
| 6 | [Pattern] | 4 | | | | | O | |
| 7 | [Pattern] | 5 | | | | | | |
| 8 | [Pattern] | 6 | | | | | M | |



SITE 953 HOLE C CORE 14R CORED 302.4 - 312.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------------------|---------------------------------|---|
| 1 | | 1 | early Pliocene | | | O I S S M | 2.5Y 5/2 to 10Y 4/1 | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS</p> <p>Major Lithology: This core consists mainly of interbedded white to light gray CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Units typically have sharp bases and are normally graded.</p> <p>Minor Lithologies: Minor interbeds of gray NANNOFOSSIL CLAY and black LITHIC CRYSTAL SAND, occur in Section 1, 3-8, 17-20, 41-43, 56-58, and 127-130 cm, Section 2, 24-25 and 115-117 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcaniclastic. Colors range between white, light gray, and dark gray.</p> |
| 2 | | 2 | | | | | | |
| | | CC | | | | | | |



SITE 953 HOLE C CORE 15R

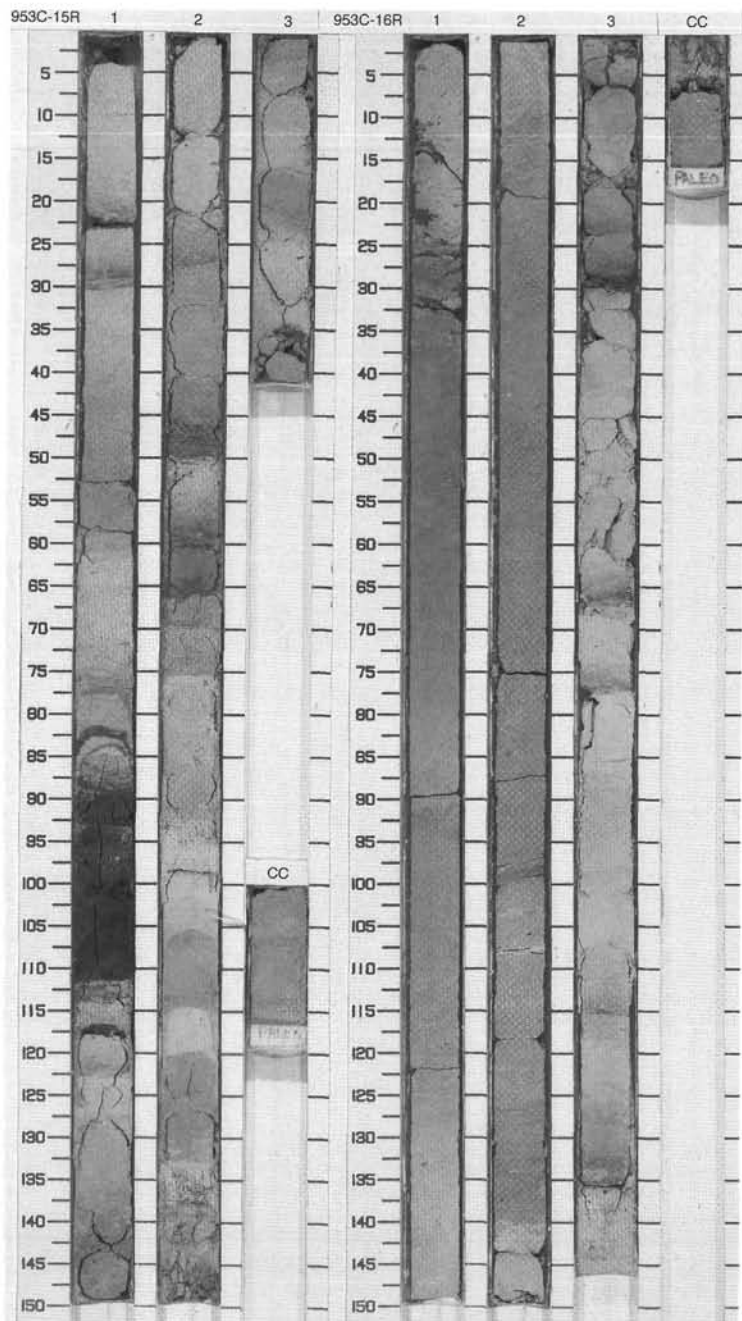
CORED 312.1 - 321.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|---------------------|---|
| 1 | [Pattern] | 1 | early Pliocene | [Symbol] | --- | S | 2.5Y 5/2 to 5BG 4/1 | <p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and LITHIC CRYSTAL SILTY SAND</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and dark gray to black LITHIC CRYSTAL SILTY SAND. Units typically have sharp bases and are normally graded.</p> <p>Minor Lithologies: Minor interbeds of dark gray CLAY WITH NANNOFOSSILS and black LITHIC CRYSTAL SILTY SAND, occur in Section 1, 20-23, 27-30, and 117-118 cm, Section 2, 48, 61, and 66 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Colors range between white, light gray, and dark gray.</p> |
| 2 | [Pattern] | 2 | | [Symbol] | --- | S | 2.5Y 5/1 | |
| 3 | [Pattern] | 3 | | [Symbol] | --- | S | 5Y 4/1 | |
| | | CC | | | | M | | |

SITE 953 HOLE C CORE 16R

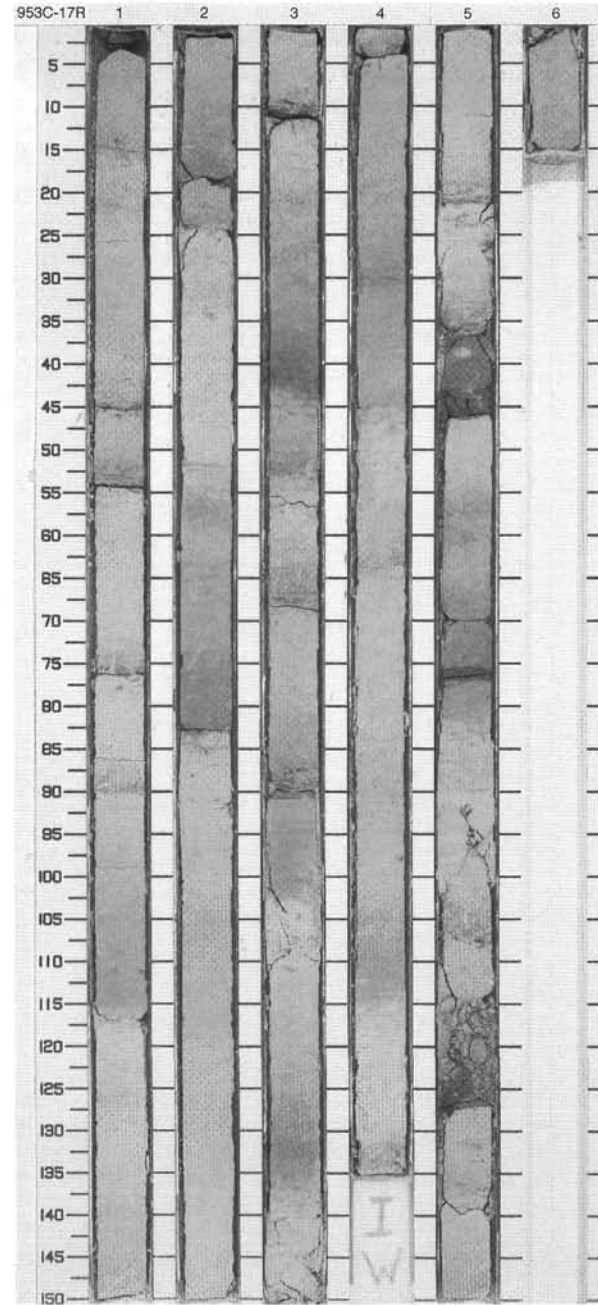
CORED 321.6 - 331.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|--------------------|---|
| 1 | [Pattern] | 1 | early Pliocene | [Symbol] | --- | O | 5Y 4/1 | <p>CLAYEY NANNOFOSSIL OOZE</p> <p>Major Lithology: This core consists mainly of CLAYEY NANNOFOSSIL OOZE.</p> <p>Minor Lithologies: Minor interbeds of black CRYSTAL LITHIC SILTY SAND and dark gray NANNOFOSSIL CLAY, occur in Section 3, 28-31, 64-66, and 132-136 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in most lithologies. Crystal and lithic sands are volcanoclastic.</p> |
| 2 | [Pattern] | 2 | | [Symbol] | --- | S | 5Y 4/1 to 2.5Y 4/2 | |
| 3 | [Pattern] | 3 | | [Symbol] | --- | S | | |
| 4 | [Pattern] | 3 | | [Symbol] | --- | | | |
| | | CC | | | | | | |



SITE 953 HOLE C CORE 17R CORED 331.1 - 340.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | |
|-------|---------------|---------|-----------------------------|-----------|---------|--------|----------|--|--|
| 1 | | 1 | early Pliocene-late Miocene | }} | - | - | 2.5Y 4/2 | <p>NANNOFOSSIL OOZE WITH FORAMINIFERS</p> <p>Major Lithology: This core consists mainly of NANNOFOSSIL OOZE WITH FORAMINIFERS.</p> | |
| 2 | | | | }} | | | | | <p>Minor Lithologies: Minor interbeds of light gray NANNOFOSSIL CLAYEY MIXED SEDIMENT and CLAY WITH NANNOFOSSILS occur in Section 2, 12-18 and 75-82 cm, Section 3, 8-10, 39-44, 52-54, and 88-92 cm, Section 4, 2-4, 29-31, and 134-136 cm, Section 5, 18-20, 38-50, 70-82, and 116-129 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies.</p> |
| 3 | | | | }} | | | | | |
| 4 | | | | }} | | | | | |
| 5 | | | | }} | | | | | |
| 6 | | | | }} | | | | | |
| 7 | | | | }} | | | | | |
| 8 | | | | }} | | | | | |
| 9 | | | | }} | | | | | |
| 10 | | | | }} | | | | | |
| 11 | | | | }} | | | | | |
| 12 | | | | }} | | | | | |
| 13 | | | | }} | | | | | |
| 14 | | | | }} | | | | | |
| 15 | | | | }} | | | | | |



SITE 953 HOLE C CORE 18R

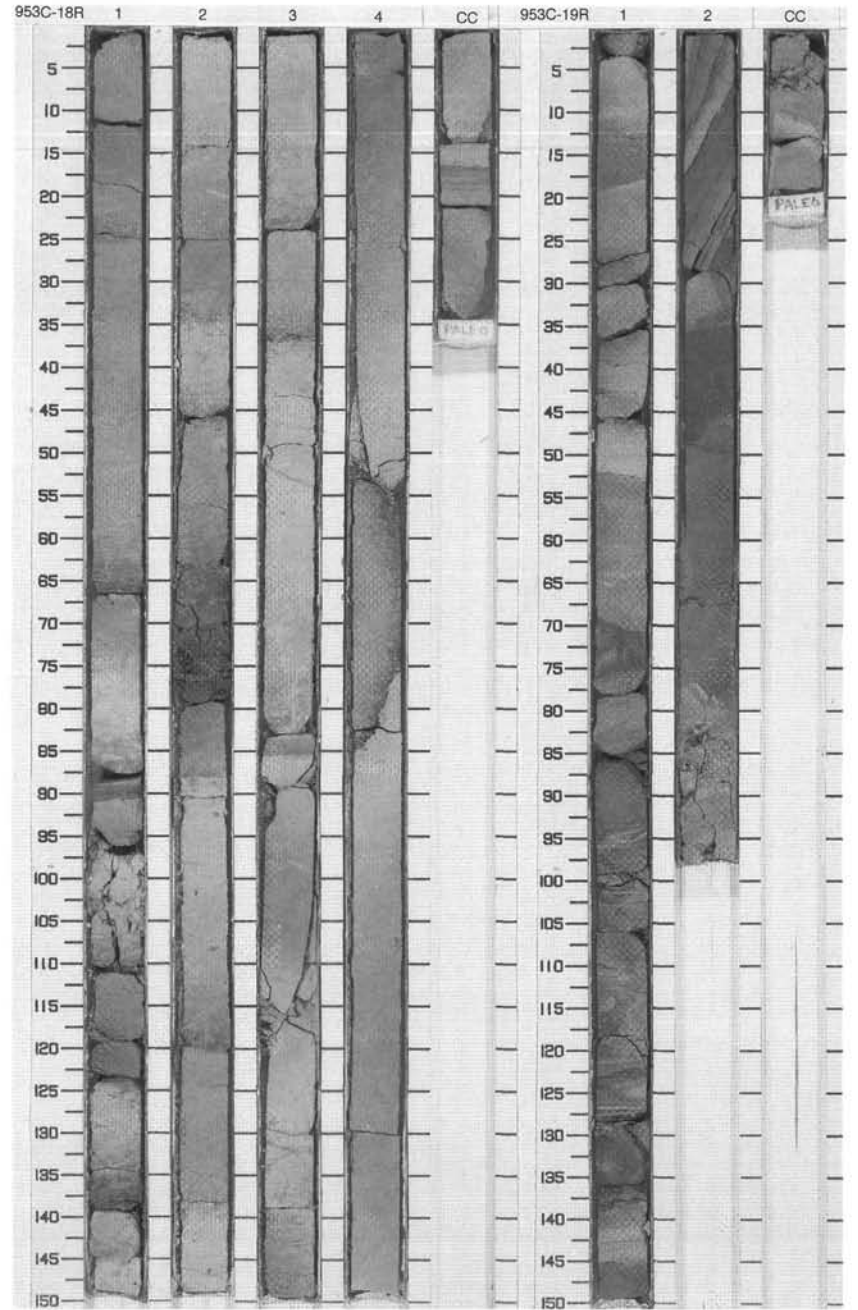
CORED 340.6 - 350.2 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | |
|-------|---------------|---------|--------------|-----------|----------|--------|-----------------------|--|---|
| 1 | [Patterned] | 1 | late Miocene | [Symbol] | [Symbol] | S | 5Y 4/1 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS | |
| 2 | | | | | | | 2.5Y 4/2 to 10Y 2.5/2 | Minor Lithologies: Minor interbeds of gray CLAYEY NANNOFOSSIL MIXED SEDIMENT occur in Section 1, 84-92, 110-111, and 122-124 cm, Section 2, 72-80 cm, Section 3, 80-82 cm, Section CC, 117-119 cm. | |
| 3 | | | | | | | O | 2.5Y 4/2 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in most lithologies. |
| 4 | | | | | | | | | |
| 5 | | 4 | | | | S | | | |
| 6 | | CC | | | | T | | | |

SITE 953 HOLE C CORE 19R

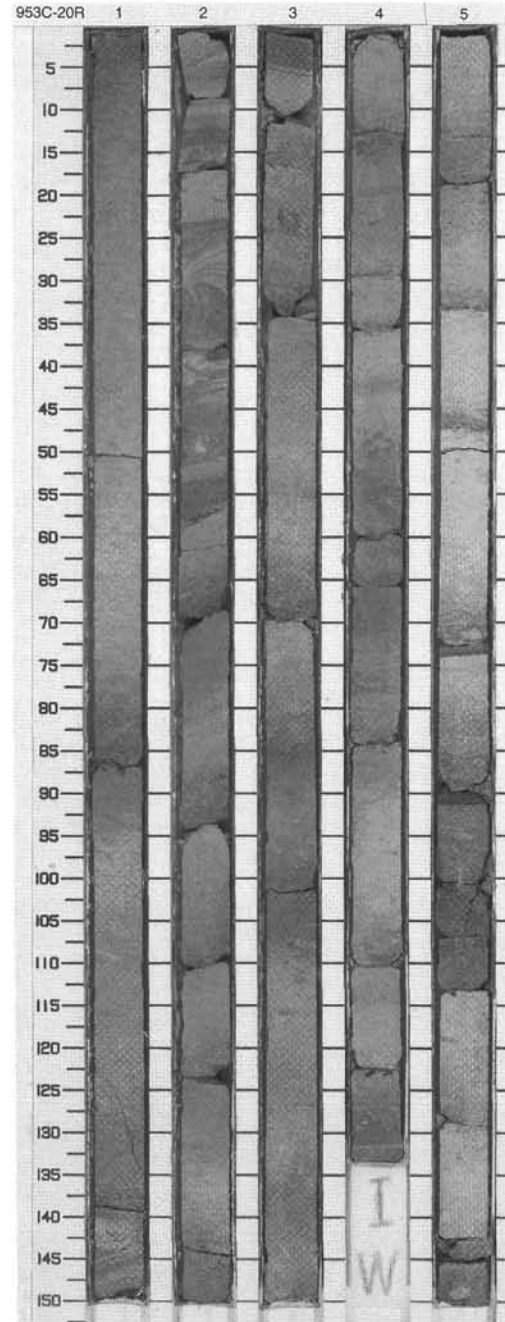
CORED 350.2 - 359.8 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|----------|--------|--------------------|--|
| 1 | [Patterned] | 1 | late Miocene | [Symbol] | [Symbol] | S | 5Y 3/1 to 2.5Y 3/2 | CLAYEY NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL MIXED SEDIMENT |
| 2 | | | | | | | O S | General Description: Folded beds and clay clasts from 0.3-2.7 m. |
| | | CC | | | | T | | |

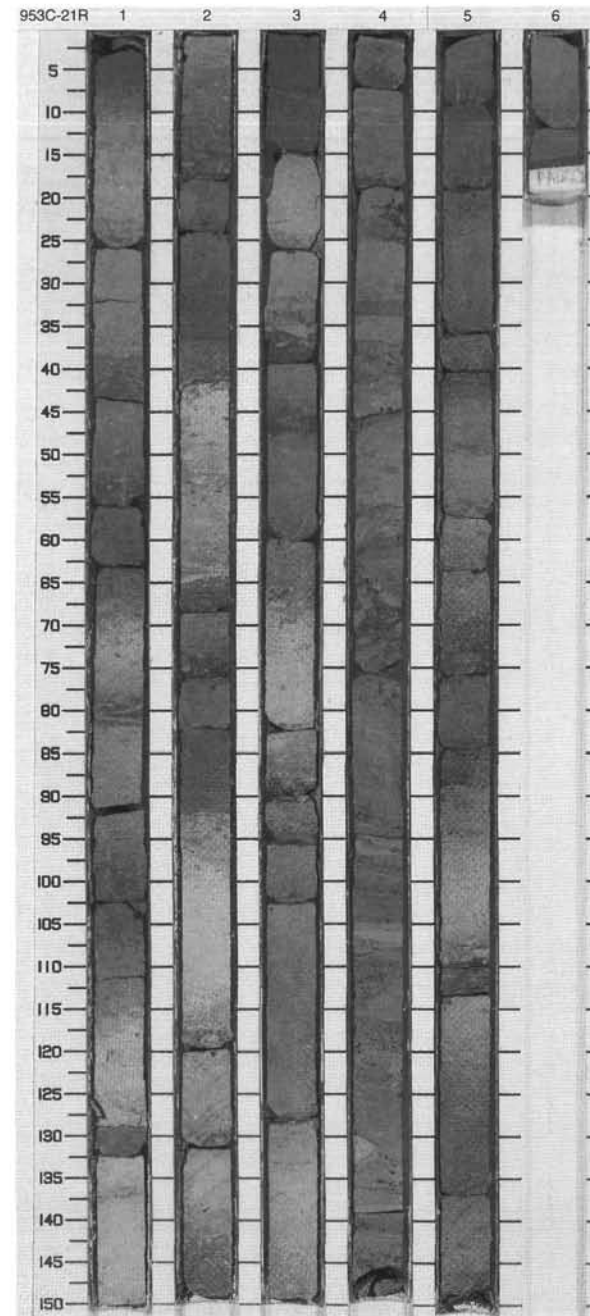


SITE 953 HOLE C CORE 20R CORED 359.8 - 369.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|--------|--------------------|--|
| 1 | [Pattern] | 1 | | }} | | S | 2.5Y 3/2 to 5Y 3/1 | CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAYEY MIXED SEDIMENT |
| 2 | [Pattern] | 2 | | }} | | S | 2.5Y 3/2 | Major Lithologies: This core consists mainly of interbedded white to light gray CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and gray NANNOFOSSIL CLAYEY MIXED SEDIMENT. Units typically have sharp bases and are normally graded. |
| 3 | [Pattern] | 3 | late Miocene | }} | + | S | 2.5Y 4/2 | Minor Lithologies: Minor interbeds of white to light gray CLAY WITH NANNOFOSSILS and black LITHIC CRYSTAL SILTY SAND, occur in Section 2, 67-70, 88-89, 92-94, 110-111, 122-124, and 144-146 cm, Section 3, 14-16, 22-24, 30-34, 63-70, and 99-107 cm, Section 4, 10-14, 33-34, 83-84, 106-110, 122-123, and 123-129 cm, Section 5, 30-33, 90-91, 107-109, and 145 cm. |
| 4 | [Pattern] | 4 | | }} | | I O | 2.5Y 4/2 to 5Y 4/1 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Colors range between white, light gray, and dark gray. Folded beds and clay clasts from 1.3-2.0 m. |
| 5 | [Pattern] | 5 | | }} | | M | | |

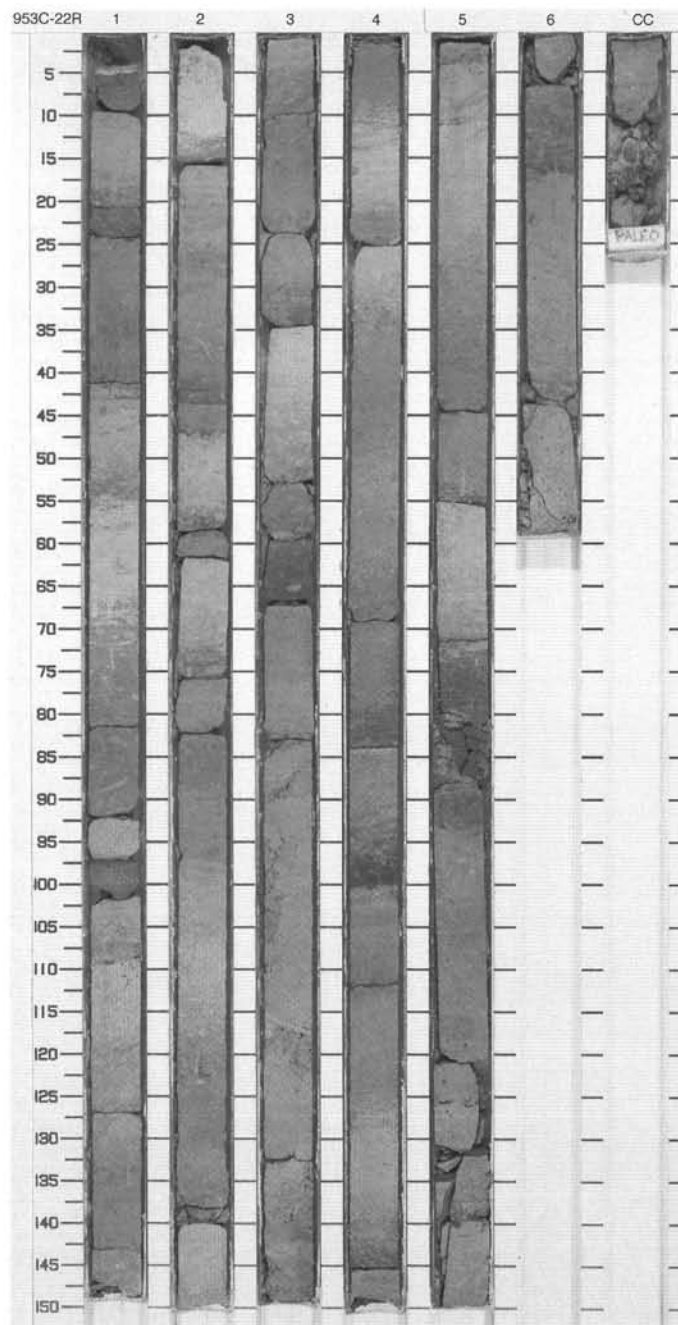


| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|-------------------------|---------|--------------|-----------|---------|--------|--------------------|--|
| 1 | [Cross-hatched pattern] | 1 | | ~ | | | 5Y 3/1 to 5Y 5/2 | <p>CLAYEY NANNOFOSSIL MIXED SEDIMENT and NANNOFOSSIL OOZE WITH FORAMINIFERS</p> <p>Major Lithologies: This core consists mainly of interbedded white to light gray NANNOFOSSIL OOZE WITH FORAMINIFERS and CLAYEY NANNOFOSSIL MIXED SEDIMENT. Units typically have sharp bases and are normally graded.</p> <p>Minor Lithologies: Minor interbeds of white to light gray CALCAREOUS SILTY SAND, gray laminated FORAMINIFER SAND, and black LITHIC CRYSTAL SILTY SAND, occur in Section 2, 22-25 and 68 cm, Section 3, 23-26, 67, 89-90, 96, 103, and 129 cm, Section 5, 15-19, 35-36, 40-41, 70-76, 84-88, 107-110, and 110-113 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Calcareous sands are generally composed of broken and whole shell fragments and whole foraminifer tests, and a minor amount of volcanoclastic material. Colors range between white, light gray, and dark gray. Folded beds and clay clasts from 4.7-6.0 m.</p> |
| 2 | [Cross-hatched pattern] | 2 | | ~ | | S | 5Y 4/1 to 2.5Y 5/2 | |
| 3 | [Cross-hatched pattern] | 3 | late Miocene | ~ | | S | 2.5Y 3/2 to 5Y 3/1 | |
| 4 | [Cross-hatched pattern] | 4 | | ~ | | O | | |
| 5 | [Cross-hatched pattern] | 5 | | ~ | | | | |
| 6 | [Cross-hatched pattern] | 6 | | ~ | | M | 2.5Y 3/2 | |



SITE 953 HOLE C CORE 22R CORED 379.1 - 388.6 mbsf

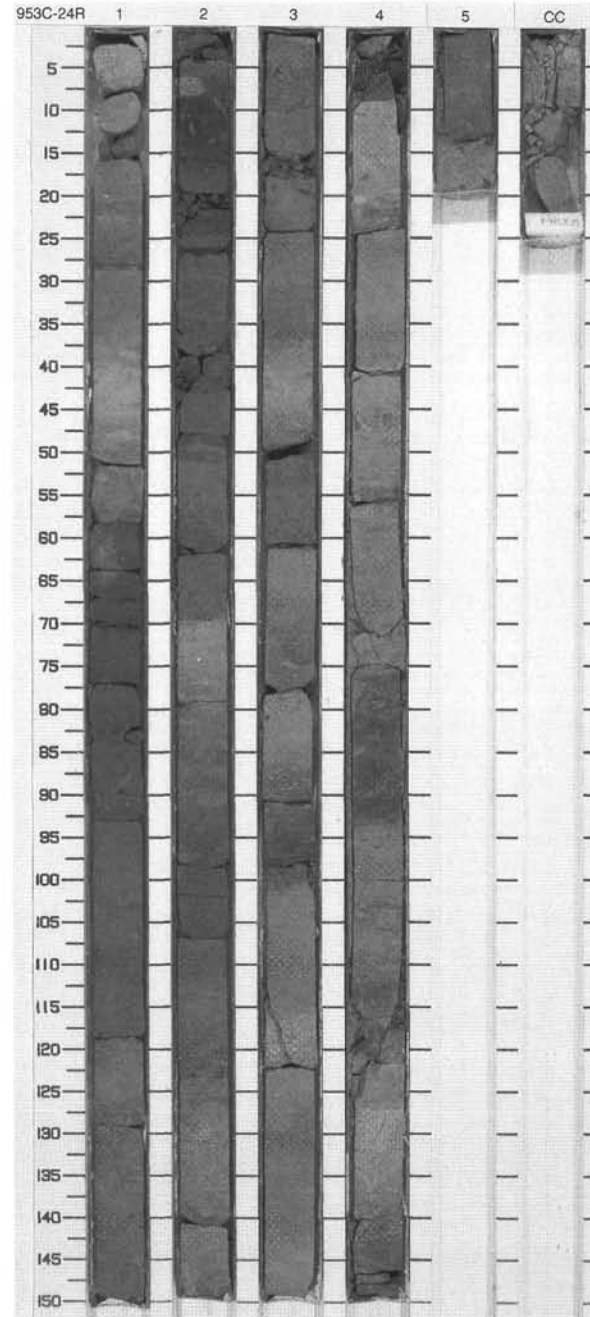
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|----------------------|----------|--------|--------------------|---|
| 1 | [Symbol] | 1 | late Miocene | [Symbol] | | | 2.5Y 3/2 to 5Y 3/2 | CLAYEY NANNOFOSSIL MIXED SEDIMENT, CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and CRYSTAL LITHIC SILTY SAND |
| 2 | [Symbol] | 2 | | 5Y 4/1 to 2.5Y 4/2 | [Symbol] | | | Major Lithologies: This core consists mainly of interbedded gray CLAYEY NANNOFOSSIL MIXED SEDIMENT, CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and dark gray to black CRYSTAL LITHIC SILTY SAND. Units typically have sharp bases and are normally graded. |
| 3 | [Symbol] | 3 | | 5Y 4/1 to 2.5Y 3/2 | [Symbol] | | | Minor Lithologies: Minor interbeds of green gray to black LITHIC CRYSTAL SILTY SAND and LITHIC CRYSTAL SILT occur in Section 1, 18-20, 40-41, 66-69, 80-81, 92, 97-102, and 109-110 cm, Section 2, 12-15, 43, and 61 cm, Section 3, 34 cm, Section 4, 22-24, 78-83, 94-101, 111-112, and 142-146 cm, Section 5, 125-127, 131-133, and 140-141 cm, and Section 6, 17-18 cm. |
| 4 | [Symbol] | 4 | | 2.5Y 4/2 to 5Y 3/1 | [Symbol] | | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sands are volcanoclastic. Colors range between white, light gray, and dark gray. Folded beds and clay clasts from 0.8-1.5 m. |
| 5 | [Symbol] | 5 | | 2.5Y 3/2 to 5Y 2.5/1 | [Symbol] | | | |
| 6 | [Symbol] | 6 | | 5Y 4/1 | [Symbol] | | | |
| | | CC | | | | M | | |



SITE 953 HOLE C CORE 24R

CORED 398.1 - 407.7 mbsf

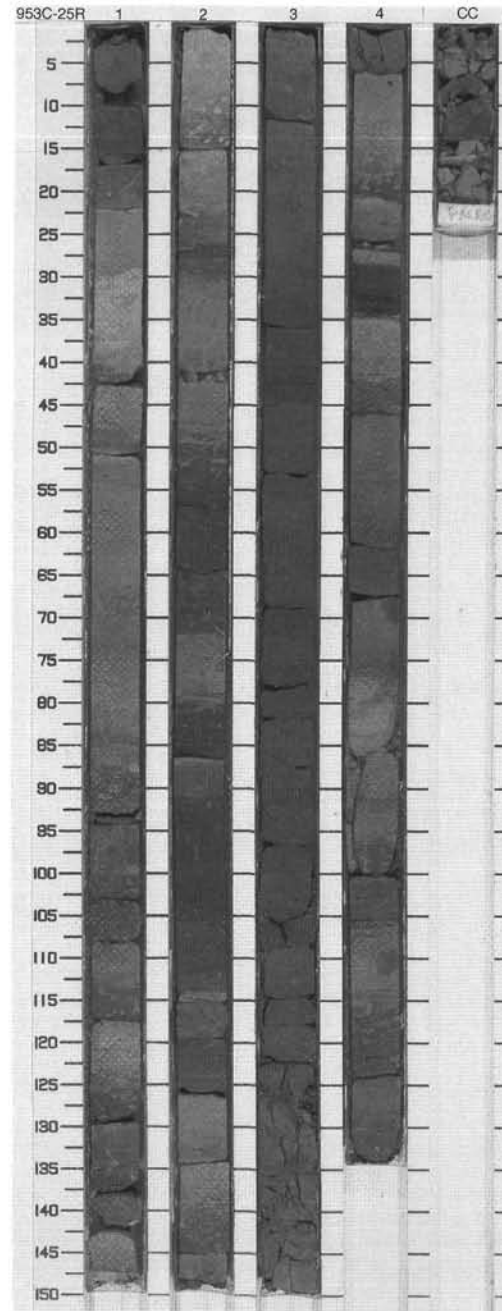
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|--------|--------------------|---|
| 1 | | 1 | | ↑ F | }} | | 5Y 4/1 to 2.5Y 3/2 | <p>NANNOFOSSIL CHALK and CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK</p> <p>Major Lithologies: This core consists mainly of interbedded light gray NANNOFOSSIL CHALK and CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK. Units typically have sharp bases and are normally graded.</p> |
| 2 | | 2 | | ↑ F | }} | | 2.5Y 3/2 to 5Y 4/1 | |
| 3 | | 3 | late Miocene | ↑ F | }} | | | <p>Minor Lithologies: Minor interbeds of CLAYSTONE and LITHIC CRYSTAL SANDSTONE, occur in Section 2, 6-15, 15-28, and 98-102 cm, Section 3, 16-18, 94-96, and 96-99 cm, Section 4, 2-8, 78-94, and 112-116 cm, and Section 5, 8-14 cm.</p> |
| 4 | | 4 | | ↑ F | }} | O | | |
| 5 | | 5 | | ↑ F | }} | S | 5Y 4/1 to 5GY 2/1 | <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sandstones are volcaniclastic.</p> |
| 6 | | 6 | | ↑ F | }} | M | | |
| | | CC | | | | | | |



SITE 953 HOLE C CORE 25R

CORED 407.7 - 417.3 mbsf

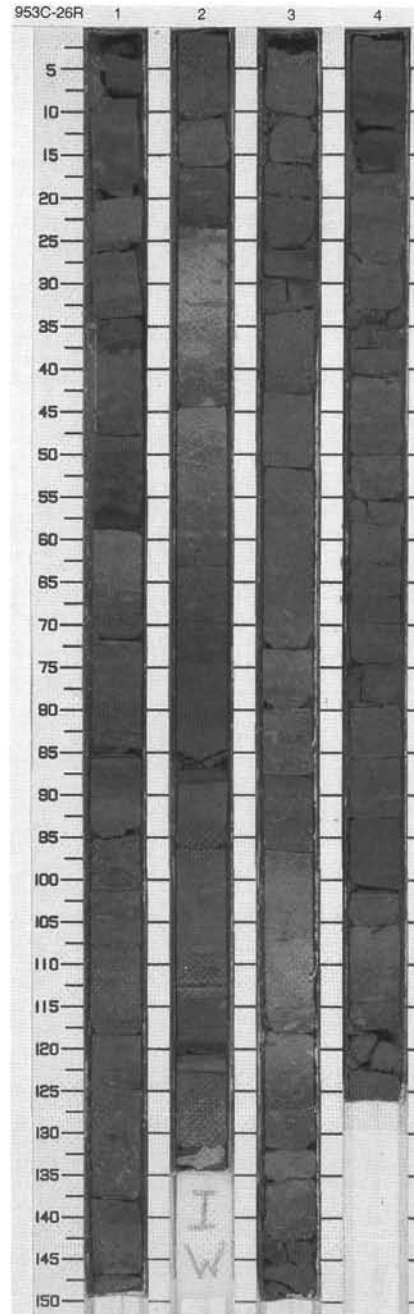
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|------------|------------|--------|--------------------|---|
| 1 | [Pattern 1] | 1 | late Miocene | [Symbol 1] | [Symbol 1] | | 5Y 3/1 to 10Y 3/1 | <p>SILTY CLAYEY MIXED SEDIMENTARY ROCK and CLAYSTONE</p> <p>Major Lithologies: This core consists mainly of interbedded SILTY CLAYEY MIXED SEDIMENTARY ROCK and CLAYSTONE. Units typically have sharp bases and are normally graded.</p> |
| 2 | [Pattern 2] | 2 | | [Symbol 2] | [Symbol 2] | | 2.5Y 5/2 to 5Y 3/1 | |
| 3 | [Pattern 3] | 3 | late Miocene | [Symbol 3] | [Symbol 3] | S | 2.5Y 3/2 | <p>Minor Lithologies: Minor interbeds of CALCAREOUS SANDSTONE WITH FORAMINIFERS and LITHIC CRYSTAL SANDSTONE, occur in Section 1, 143-150 cm, Section 2, 114-116 cm, and Section 4, 0-5 and 32-34 cm.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies. Bioturbation is common in the upper parts of most lithologies. Planar and cross-laminations are common in the lower parts of most lithologies. Crystal and lithic sandstones are volcanoclastic.</p> |
| 4 | [Pattern 4] | 4 | | [Symbol 4] | [Symbol 4] | S | 5Y 4/1 to 10Y 3/1 | |
| 6 | [Pattern 6] | CC | | [Symbol 6] | [Symbol 6] | | | |



SITE 953 HOLE C CORE 26R

CORED 417.3 - 427.0 mbsf

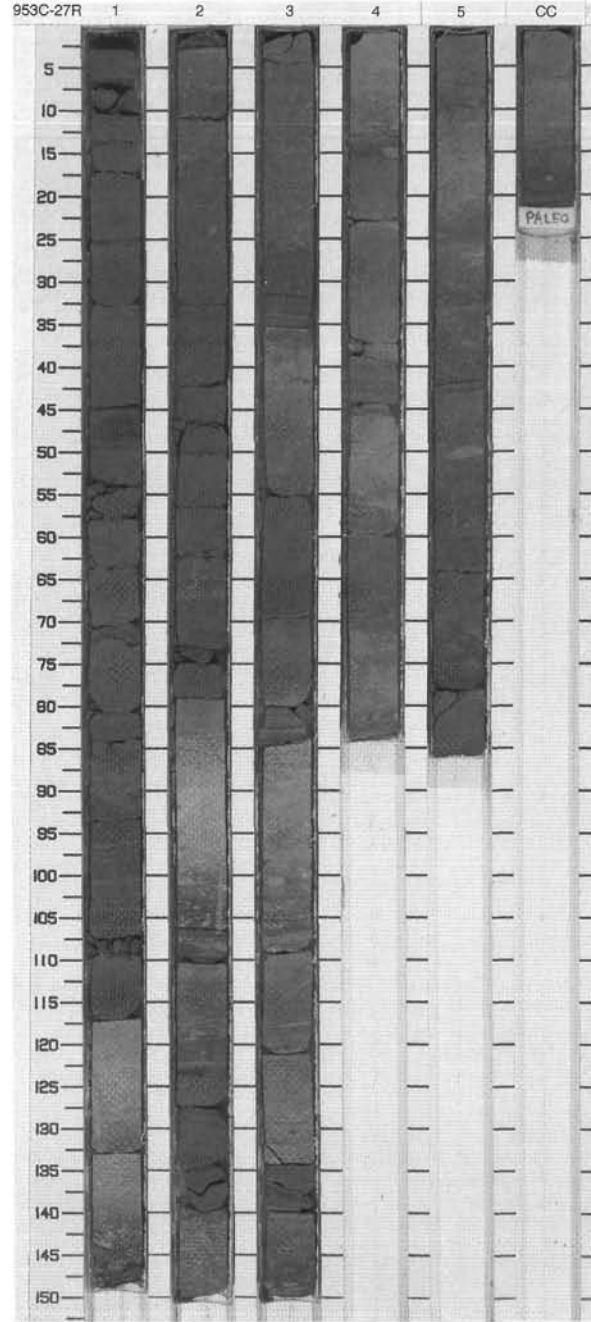
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|--------|----------------------|--|
| 1 | | 1 | late Miocene | | | | 5Y 3/1 to 10GY 2.5/0 | <p>CLAYSTONE, CLAYSTONE WITH NANNOFOSSILS, and NANNOFOSSIL CLAYSTONE</p> <p>Major Lithologies: This core consists mainly of interbedded CLAYSTONE, CLAYSTONE WITH NANNOFOSSILS, and NANNOFOSSIL CLAYSTONE. Units typically have sharp bases and are normally graded with planar laminated siltstone bases.</p> <p>General Description: This core consists of thin to medium interbeds of the major lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic siltstones at the basal contacts are volcanoclastic.</p> |
| 2 | | 2 | | | | | 5Y 3/1 to 5GY 2/1 | |
| 3 | | 3 | | | | | | |
| 4 | | 4 | | | | | 5Y 3/1 to 7.5G 2.5/0 | |
| | | | | | | | | I O S |



SITE 953 HOLE C CORE 27R

CORED 427.0 - 436.6 mbsf

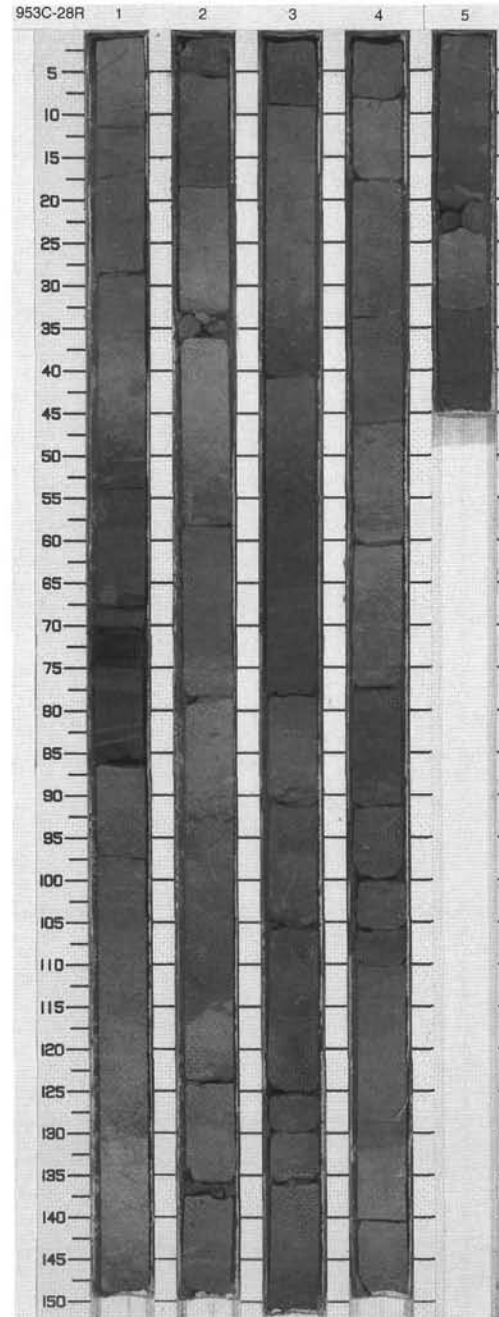
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|--------|-------------------|---|
| 1 | [Pattern] | 1 | | [Symbol] | | | 5Y 3/1 to 10Y 3/1 | <p>NANNOFOSSIL CHALK WITH CLAY and CLAYSTONE WITH NANNOFOSSILS</p> <p>Major Lithologies: This core consists mainly of interbedded NANNOFOSSIL CHALK WITH CLAY and CLAYSTONE WITH NANNOFOSSILS. Units typically have sharp bases and are normally graded with silty sandstone at the base.</p> <p>General Description: This core consists of thin to medium interbeds of the major lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sandstones at the bases of most beds are volcaniclastic.</p> |
| 2 | [Pattern] | 2 | | [Symbol] | | S | | |
| 3 | [Pattern] | 3 | late Miocene | [Symbol] | | | | |
| 4 | [Pattern] | 4 | | [Symbol] | | | 5Y 4/1 to 5Y 3/1 | |
| 5 | [Pattern] | 5 | | [Symbol] | | S | | |
| 6 | [Pattern] | 6 | | [Symbol] | | | | |
| | | CC | | | | | | |



SITE 953 HOLE C CORE 28R

CORED 436.6 - 446.2 mbsf

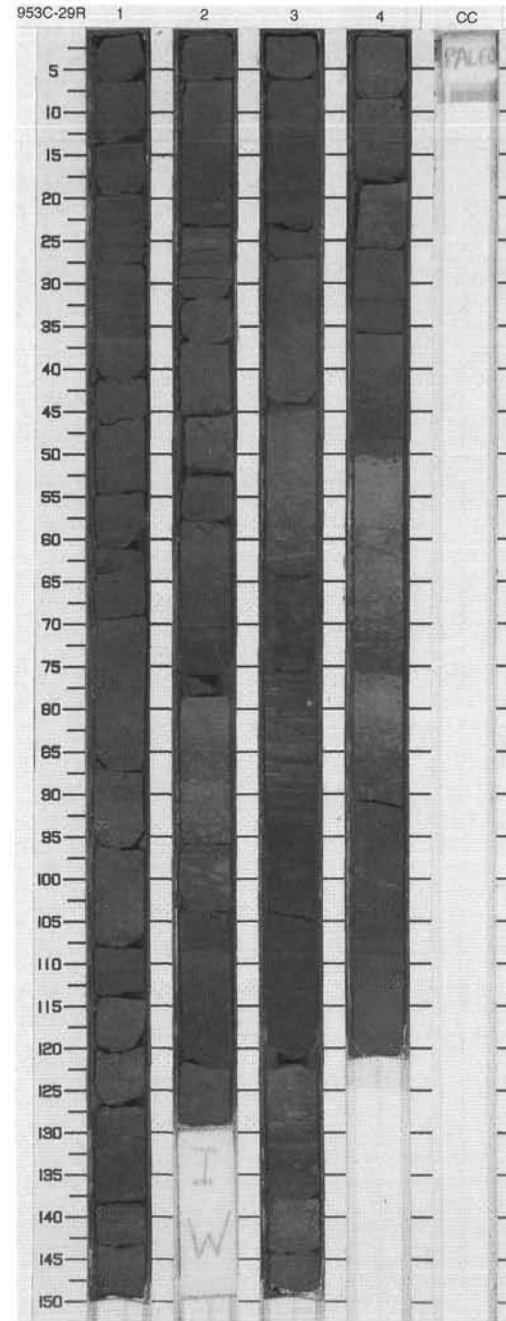
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|--------|---------------------|---|
| 1 | | 1 | late Miocene | | | | 5Y 4/1 to 5Y 3/1 | <p>NANNOFOSSIL CHALK WITH CLAY, CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK and CLAYSTONE WITH NANNOFOSSILS</p> <p>Major Lithologies: This core consists of interbedded NANNOFOSSIL CHALK WITH CLAY, CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, and CLAYSTONE WITH NANNOFOSSILS. Units typically have sharp bases and are normally graded. Sandstone bases are commonly planar- and cross-laminated.</p> <p>General Description: This core consists of interbeds of the major lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sandstones are volcanoclastic.</p> |
| 2 | | 2 | | | | | 5Y 5/1 to 2.5Y N4/0 | |
| 3 | | 3 | | | | | | |
| 4 | | 4 | | | | | | |
| 5 | | 5 | | | | | | |
| 6 | | | | | | | 5Y 4/1 to 5GY 3/1 | |
| | | | | | | O T | | |



SITE 953 HOLE C CORE 29R

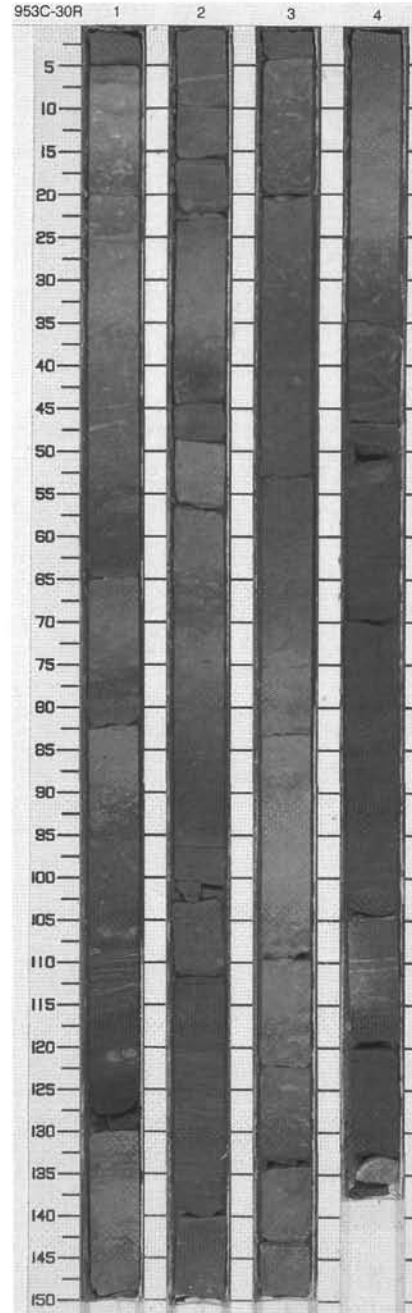
CORED 446.2 - 455.9 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|------------------|---------|--------------|--------------------|---------|--------|---------------------|---|
| 1 | [Dotted pattern] | 1 | | [Horizontal lines] | | T S | 5Y 3/1 to 10YR 2/1 | <p>CLAYSTONE and CLAYSTONE WITH NANNOFOSSILS</p> <p>Major Lithologies: This core consists of interbedded CLAYSTONE and CLAYSTONE WITH NANNOFOSSILS. Units typically have sharp bases of siltstone and sandstone and are normally graded.</p> <p>General Description: This core consists of interbeds of the major lithologies. Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sandstones are volcaniclastic.</p> |
| 2 | [Dotted pattern] | 2 | | [Horizontal lines] | | S | 5Y 3/1 to 2.5Y N3/0 | |
| 3 | [Dotted pattern] | 3 | late Miocene | [Horizontal lines] | | I | 5Y 3/1 to 5GY 2/1 | |
| 4 | [Dotted pattern] | 4 | | [Horizontal lines] | | T | 5Y 3/1 to 10Y 3/1 | |
| 5 | [Dotted pattern] | CC | | [Horizontal lines] | | | | |



SITE 953 HOLE C CORE 30R CORED 455.9 - 465.5 mbsf

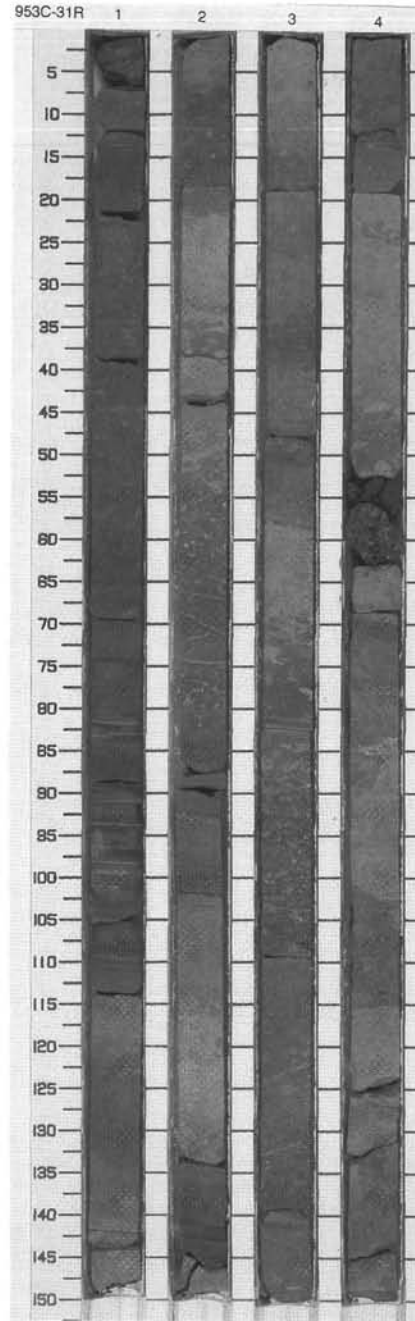
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|------------------|---------|--------------|-----------|---------|--------|----------------------|---|
| 1 | [Dotted pattern] | 1 | | }} | | | 5Y 4/1 to 10GY 2.5/0 | <p>CLAYSTONE and NANNOFOSSIL CLAYSTONE</p> <p>Major Lithologies: This core consists of interbedded CLAYSTONE and NANNOFOSSIL CLAYSTONE. Units typically have sharp bases of crystal lithic sandstone and siltstone and are normally graded.</p> <p>General Description: Bioturbation is common in the upper parts of most lithologies. Crystal and lithic sandstones and siltstones are volcaniclastic.</p> |
| 2 | [Dotted pattern] | 2 | | }} | | | 5Y 4/1 to 5GY 3/1 | |
| 3 | [Dotted pattern] | 3 | late Miocene | }} | | | 5Y 4/1 to 5Y 3/1 | |
| 4 | [Dotted pattern] | 4 | | }} | | | 5Y 4/1 to 10GY 2.5/0 | |
| 5 | [Dotted pattern] | | | }} | | | | |



SITE 953 HOLE C CORE 31R

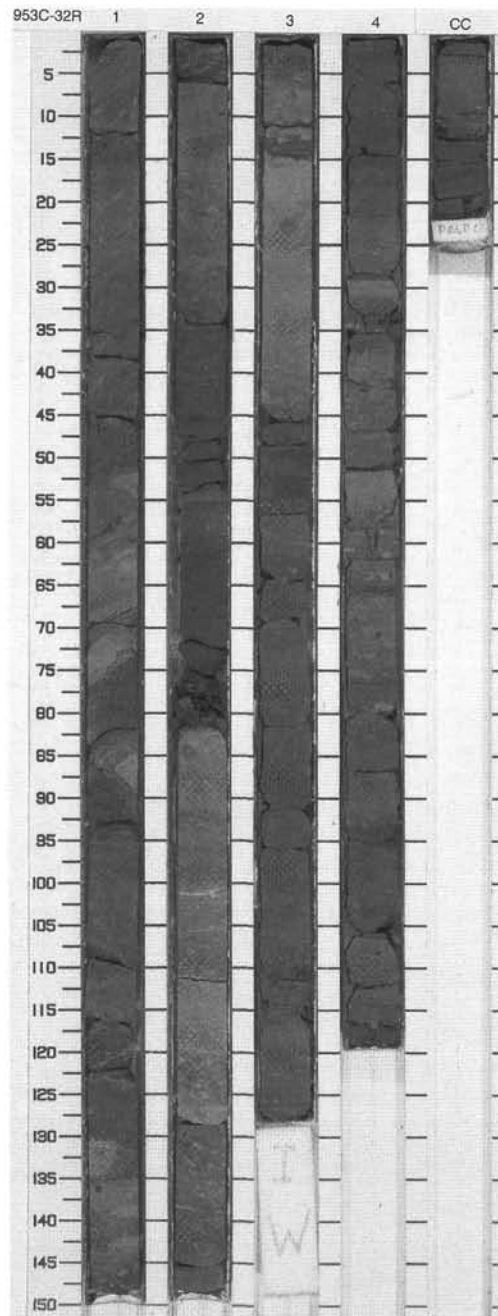
CORED 465.5 - 475.2 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|------------------------------|-----------|---------|--------|-------|---|
| 1 | [Pattern] | 1 | 5.4Y 2.7/0.4 | [Symbol] | | | | NANNOFOSSIL CHALK, NANNOFOSSIL CLAYSTONE, SANDY CLAYSTONE WITH NANNOFOSSILS and CRYSTAL LITHIC SANDSTONE |
| 2 | [Pattern] | 2 | 2.9GY 2.9/0.6 | [Symbol] | | | | |
| 3 | [Pattern] | 3 | 4.7Y 6.6/0.6 | [Symbol] | | | | Major Lithologies: This core consists mainly of interbedded light gray NANNOFOSSIL CHALK, CLAYSTONE WITH NANNOFOSSILS, SANDY CLAYSTONE WITH NANNOFOSSILS and NANNOFOSSIL CLAYSTONE. Units typically have sharp bases and are normally graded. |
| 4 | [Pattern] | 4 | 4Y 4/1 | [Symbol] | | | | Minor Lithologies: Minor interbeds of white planar- laminated SILTSTONES occurs in Section 1, 3-5, 8-10, 20-21, and 39-40 cm, Section 2, 84-93, 102, 133-134, and 141-147 cm, Section 3, 19, 109-110, and 139-140 cm. FINE SANDSTONE occurs in Section 3, 50-51 cm, BASALTIC LAPILLISTONE occurs in Section 4, 52-62 cm. |
| 5 | [Pattern] | 5 | 3Y 4/1 to 7Y 3/1 | [Symbol] | | | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Folded beds and clay clasts from 5.3-6.0 m. Crystal sandstones are volcanoclastic. |
| 6 | [Pattern] | 6 | | [Symbol] | | | | |



SITE 953 HOLE C CORE 32R CORED 475.2 - 484.9 mbsf

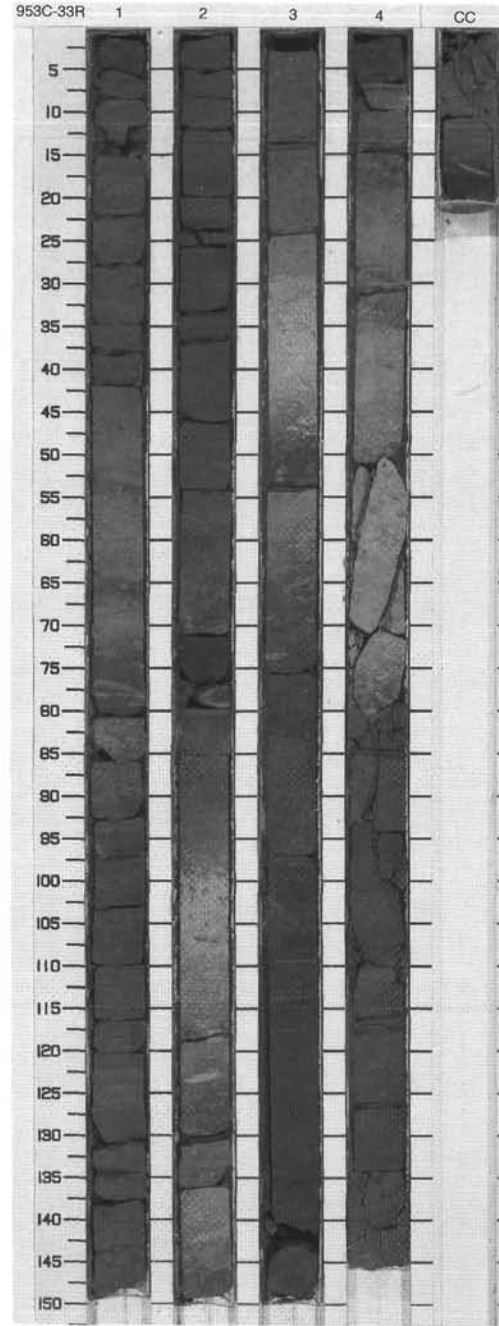
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|--------|-------------------|---|
| 1 | [Pattern] | 1 | late Miocene | [Symbol] | V | S | 5Y 3/1 to 5Y 4/1 | CLAYSTONE WITH NANNOFOSSILS, CLAYSTONE and CLAYEY NANNOFOSSIL CHALK |
| 2 | [Pattern] | 2 | | [Symbol] | | | 5Y 4/1 to 5GY 3/1 | Minor Lithologies: Minor interbeds of CLAYEY SANDSTONE occurs in Section 1, 11-16 cm, CRYSTAL SANDSTONE occurs in Section 3, 12-15 cm, CLAYEY SILTSTONE occurs in Section 2, 0-6 cm, Section 3, 112-117 cm, Section 4, 28-29, 37-38, 46-47, 50-51, 80, 97-98, and 112-113 cm, and Section CC, 22 cm. |
| 3 | [Pattern] | 3 | | [Symbol] | | | 5Y 4/1 to 5Y 3/1 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Folded beds and clay clasts from 0.2-1.5 m. |
| 4 | [Pattern] | 4 | | [Symbol] | | | | |
| 5 | [Pattern] | CC | | [Symbol] | | M | | |



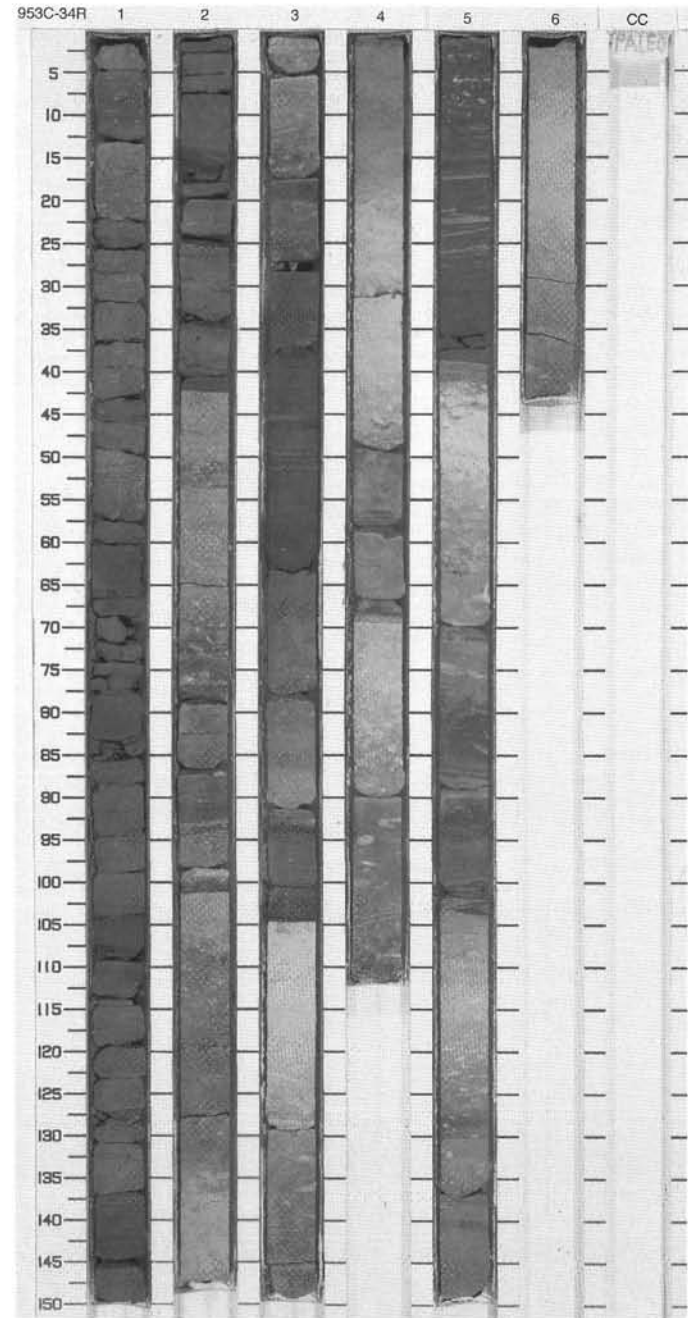
SITE 953 HOLE C CORE 33R

CORED 484.9 - 494.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|------------|-----------|---|
| 1 | [Pattern] | 1 | | [Symbol] | | | 3Y 4/0 | CLAYEY MIXED SEDIMENTARY ROCK, CLAYSTONE WITH NANNOFOSSILS and NANNOFOSSIL CHALK |
| | | | | | | 5Y 3.5/0.5 | | |
| 2 | [Pattern] | 2 | | [Symbol] | | S | 6GY 2/0.5 | Major Lithologies: This core consists mainly of interbedded CLAYEY MIXED SEDIMENTARY ROCK, CLAYSTONE WITH NANNOFOSSILS, NANNOFOSSIL CHALK. Units typically have sharp bases. |
| 3 | [Pattern] | 3 | late Miocene | [Symbol] | | | 4Y 5/1 | Minor Lithologies: Minor interbeds of CRYSTAL LITHIC SILTSTONE occur in Section 1, 37-38, 41-42, 97-98, and 116-117 cm, Section 2, 22-23, 33-34, 36-37, 54-55, and 131.5 cm, Section 3, 11-12, 22, 52, and 81 cm, Section 4, 0-1, 13-14, and 84.5 cm, CRYSTAL LITHIC SANDSTONE occur in Section 1, 27-25 cm, Section 2, 72-80 cm, Section 3, 107-122 cm, Section 4, 30 cm. |
| 4 | [Pattern] | 3 | | [Symbol] | | | 1Y 3/0.5 | |
| 5 | [Pattern] | 4 | | [Symbol] | | O | 8Y 3/1 | |
| 6 | [Pattern] | 4 | | [Symbol] | | | | General Description: General lithology: This core consists mainly of distinct interbeds of the major and minor lithologies. Thin interbeds of CLAYEY MIXED SEDIMENTARY ROCK occur in Section 4, 6.5-30 and 43-50 cm, NANNOFOSSIL CHALK occur in Section 2, 98-119 cm, Section 4, 30-43 cm. Crystal lithic siltstones and crystal lithic sandstones are volcanoclastic. |
| | | CC | | | | M | | |



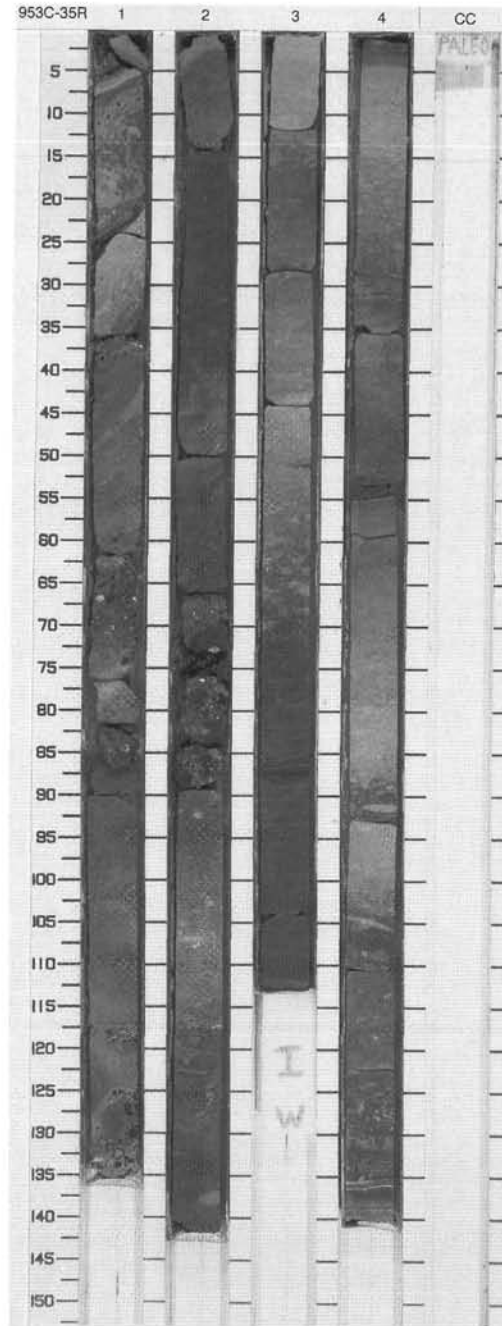
| SITE 953 HOLE C CORE 34R | | CORED 494.5 - 504.1 mbsf | | | | | | |
|--------------------------|---------------|--------------------------|--------------|-----------|---------|--------------------------|-------|---|
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
| 1 | [Pattern] | 1 | | ↑ F | }} | 2.5Y N3/0 to 7.5GY 2.5/1 | | CLAYEY MIXED SEDIMENTARY ROCK and CLAY WITH NANNOFOSSILS |
| 2 | [Pattern] | 2 | | ↑ F | }} | 10YR 2/1 to 5Y 3/1 | | Major Lithologies: This core consists mainly of interbedded CLAYEY MIXED SEDIMENTARY ROCK and CLAY WITH NANNOFOSSILS. Units typically have sharp bases. |
| 3 | [Pattern] | 3 | | ↑ F | }} | 5GY 2/1 to 5Y 3/1 | | Minor Lithologies: Minor interbeds of NANNOFOSSIL CHALK occur in Section 1, 0-4 cm, Section 4, 0-31 cm, LITHIC CRYSTAL SILTSTONE occur in Section 1, 23-24.5 and 142-146.5 cm, Section 2, 14-17, 24-25, 34-35, and 40-42 cm, Section 5, 23-35 cm, Section 5, 99-103.5 cm, black LITHIC CRYSTAL SANDSTONE occur in Section 2, 77-79 and 99-101.5 cm, Section 3, 59-63 and 77-79 cm, Section 4, 56-59, 66-69, and 88.5-90 cm, Section 5, 37-39, 62-63.5, and 69-71.5 cm. |
| 4 | [Pattern] | 4 | late Miocene | ↑ F | }} | O | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Lithic crystal siltstones and sandstones are volcanoclastics. |
| 5 | [Pattern] | 5 | | ↑ F | }} | 10Y 3/1 to 5Y 4/1 | S | |
| 6 | [Pattern] | 6 | | ↑ F | }} | | | M |



SITE 953 HOLE C CORE 35R

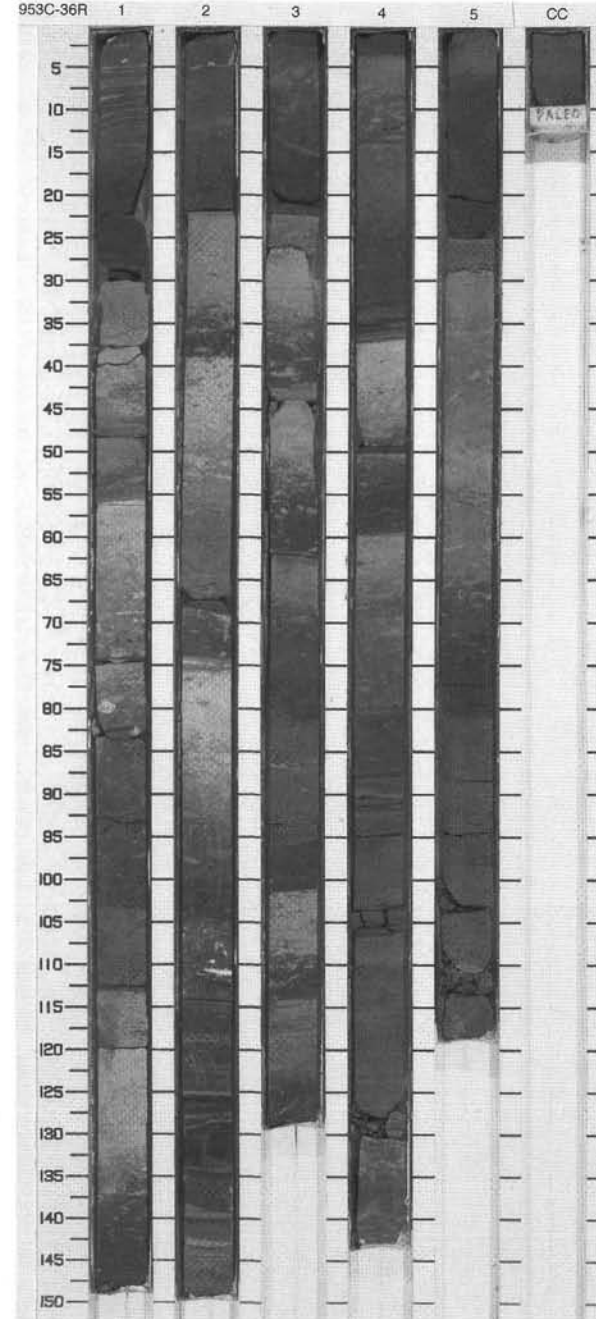
CORED 504.1 - 513.8 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|----------------------------|---------|--------------|--------------------------|---------|--------------|-------|---|
| 1 | [Cross-hatched pattern] | 1 | | [Wavy line symbol] | | 6Y 4/0.5 | | CLAYEY MIXED SEDIMENTARY ROCK, VOLCANIC BRECCIA and CONGLOMERATE |
| 2 | [Horizontal brick pattern] | 2 | | [Horizontal line symbol] | | 6GY 3/0.5 | | Major Lithologies: This core consists mainly of interbedded white CLAYEY MIXED SEDIMENTARY ROCK, VOLCANIC BRECCIA, CONGLOMERATE. Units typically have sharp bases. |
| 3 | [Horizontal brick pattern] | 3 | late Miocene | [Wavy line symbol] | | 8Y 4.1 | | Minor Lithologies: Minor interbeds of light gray NANNOFOSSIL CHALK occur in Section 3, 0-11 cm, dark gray LITHIC CRYSTAL SANDSTONE AND SILTSTONE occur in Section 3, 27-28 and 50-51 cm. |
| 4 | [Horizontal brick pattern] | 4 | | [Wavy line symbol] | | 5Y 4.1 | | |
| 5 | [Horizontal brick pattern] | 4 | | [Wavy line symbol] | | 8Y 4.1 | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Volcanic breccia and lithic crystal sandstones are volcanoclastic. |
| 6 | [Horizontal brick pattern] | 4 | | [Wavy line symbol] | | 5GY 3/0.5 | | |



SITE 953 HOLE C CORE 36R CORED 513.8 - 523.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|--------|-----------------------|--|
| 1 | [Pattern] | 1 | | ↑ F | | | 5Y 4/1 to 5GY 2/1 | NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CHALK and NANNOFOSSIL CLAYSTONE |
| 2 | [Pattern] | 2 | | | | | 5Y 4/1 to 5Y 2/1 | Major Lithologies: This core consists mainly of interbedded NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CHALK, and NANNOFOSSIL CLAYSTONE. Units typically have sharp bases and bioturbated tops. |
| 3 | [Pattern] | 3 | late Miocene | | | O | 5Y 4/1 to 7.5GY 2.5/1 | Minor Lithology: Minor interbeds of FORAMINIFER LITHIC SILTY SANDSTONE at the bases of many beds. |
| 4 | [Pattern] | 4 | | | | | 10Y 3/1 to 5GY 3/1 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Lithic component of FORAMINIFER LITHIC SILTY SANDSTONE are volcanic rock fragments. |
| 5 | [Pattern] | 5 | | | | | 5Y 2/1 to 5GY 2/1 | |
| 6 | [Pattern] | 6 | | | | | | |
| 7 | [Pattern] | 7 | | | | | | |

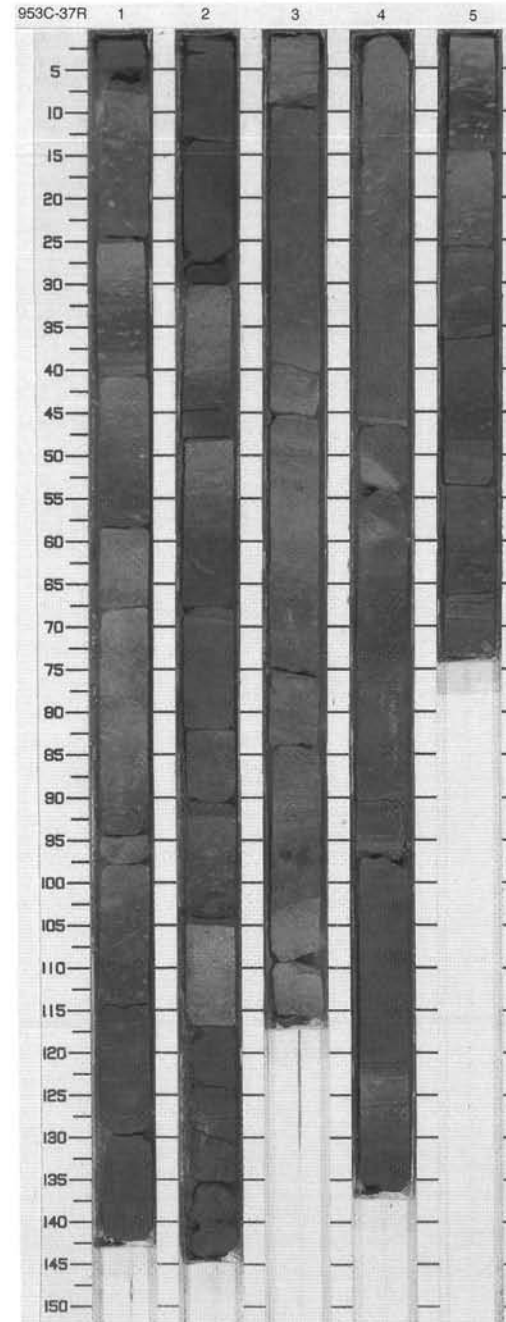


SITE 953 HOLE C CORE 37R

CORED 523.5 - 533.2 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|--------|-----------------------|---|
| 1 | [Symbol] | 1 | late Miocene | [Symbol] | | S | 5Y 4/1 to 5GY 2/1 | <p>NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE and LITHIC CRYSTAL SILTSTONE</p> <p>Major Lithologies: This core consists mainly of interbedded NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, and LITHIC CRYSTAL SILTSTONE. Units typically have sharp bases and fine upward.</p> |
| 2 | [Symbol] | 2 | | [Symbol] | | | 5Y 3/1 to 5GY 2/1 | |
| 3 | [Symbol] | 3 | | [Symbol] | | | 10Y 4/1 to 10GY 2.5/0 | |
| 4 | [Symbol] | 4 | | [Symbol] | | | | |
| 5 | [Symbol] | 5 | | [Symbol] | | | 10GY 2.5/0 to 5GY 2/1 | |
| 6 | [Symbol] | | | [Symbol] | | | | |

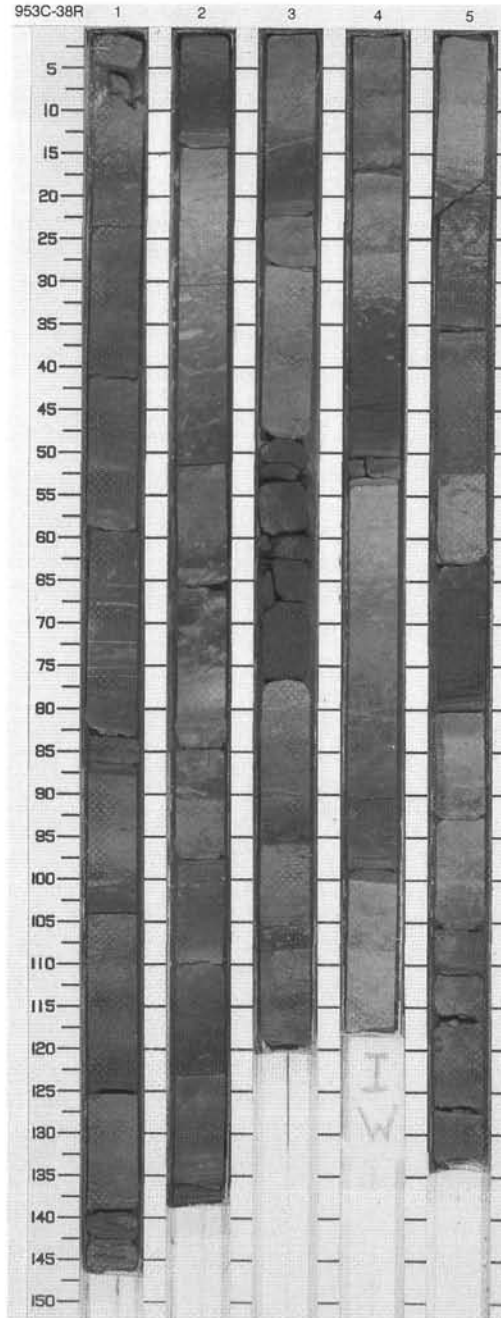
General Description:
This core consists of distinct interbeds of the major lithologies. Lithic crystal siltstones mainly composed of volcanoclastic material. Bioturbation common in upper parts of most beds. Chaotic mixture of green gray mixed sedimentary rock, gray chalk, dark gray claystone, and poorly sorted lithic sands in Section 3, 1-117 cm and Section 4, 0-76 cm.



SITE 953 HOLE C CORE 38R

CORED 533.2 - 542.8 mbsf

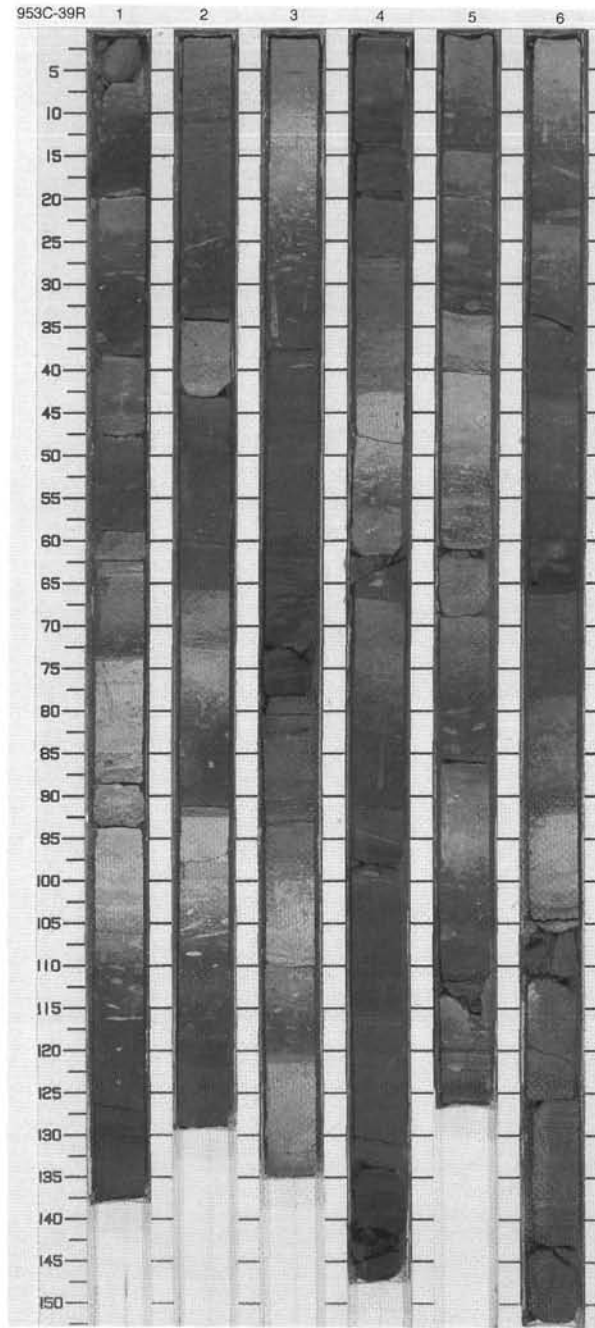
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|--------------|-----------|---------|--------|-----------------------|--|
| 1 | | 1 | | | | | 5Y 4/1 to 7.5GY 2.5/1 | NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE and NANNOFOSSIL CHALK Major Lithologies: This core consists mainly of thin to medium interbedded NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, and NANNOFOSSIL CHALK. Units typically have sharp bases. |
| 2 | | 2 | | | | | 5Y 5/1 to 5GY 3/1 | Minor Lithology: Minor interbeds of LITHIC CRYSTAL SILTY SANDSTONE are common at the bases of many beds. General Description: This core consists of distinct interbeds of the major and minor lithologies. LITHIC CRYSTAL SILTY SANDSTONES are composed of volcanoclastic material. |
| 3 | | 3 | late Miocene | | | | 5Y 4/1 to 10GY 2.5/0 | |
| 4 | | 4 | | | | | 10Y 4/1 to 10GY 3/0 | |
| 5 | | 5 | | | | | 10Y 3/1 to 10GY 3/0 | |

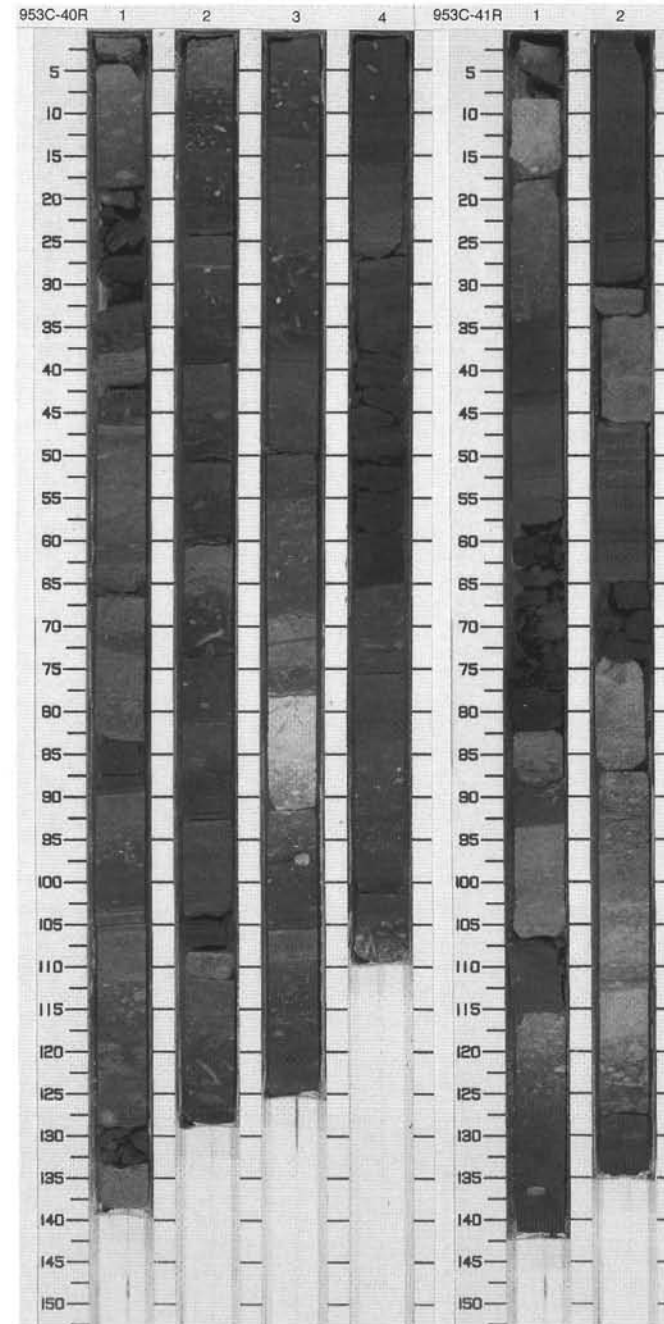
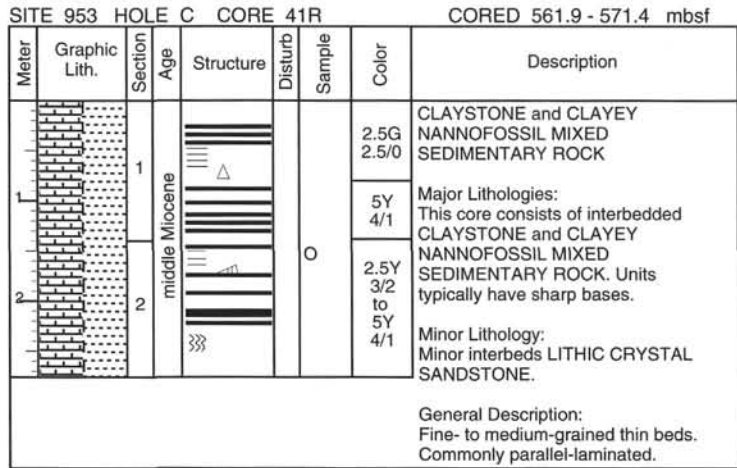
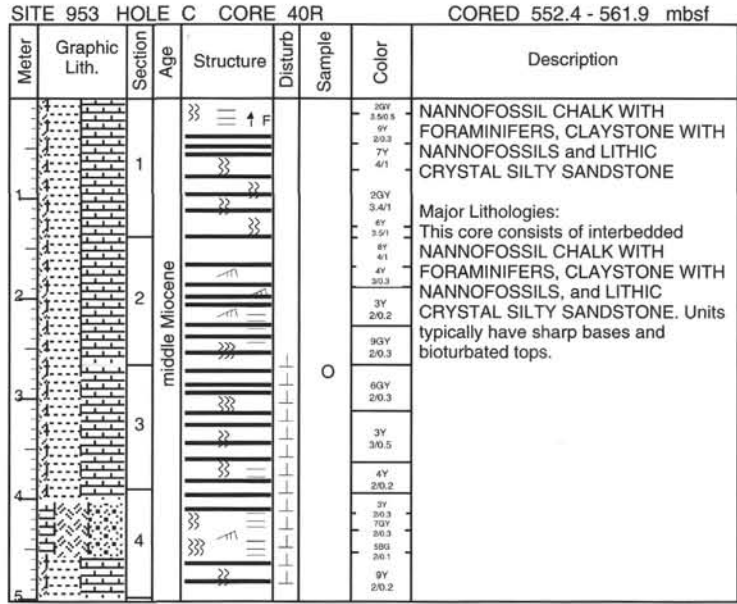


SITE 953 HOLE C CORE 39R

CORED 542.8 - 552.4 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|-----------------------|---|
| 1 | [Pattern] | 1 | | [Symbol] | | | 5Y 3/1 to 5GY 2/1 | <p>NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAY, NANNOFOSSIL CHALK and LITHIC CRYSTAL SANDSTONE</p> <p>Major Lithologies: This core consists of interbedded NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAY, NANNOFOSSIL CHALK, and LITHIC CRYSTAL SANDSTONE. Units typically have sharp bases and bioturbated tops.</p> |
| 2 | [Pattern] | 2 | | [Symbol] | | | 5Y 2/1 to 5GY 2/1 | |
| 3 | [Pattern] | 3 | | [Symbol] | | | 5Y 2/1 to 7.5GY 2.5/1 | |
| 4 | [Pattern] | 4 | middle Miocene | [Symbol] | | | 5Y 3/1 to 7.5G 2.5/0 | |
| 5 | [Pattern] | 5 | | [Symbol] | | | 2.5Y N2/0 to 10Y 4/1 | |
| 6 | [Pattern] | 6 | | [Symbol] | | | | |
| 7 | [Pattern] | | | [Symbol] | | | | |
| 8 | [Pattern] | | | [Symbol] | | | | |





SITE 953 HOLE C CORE 42R

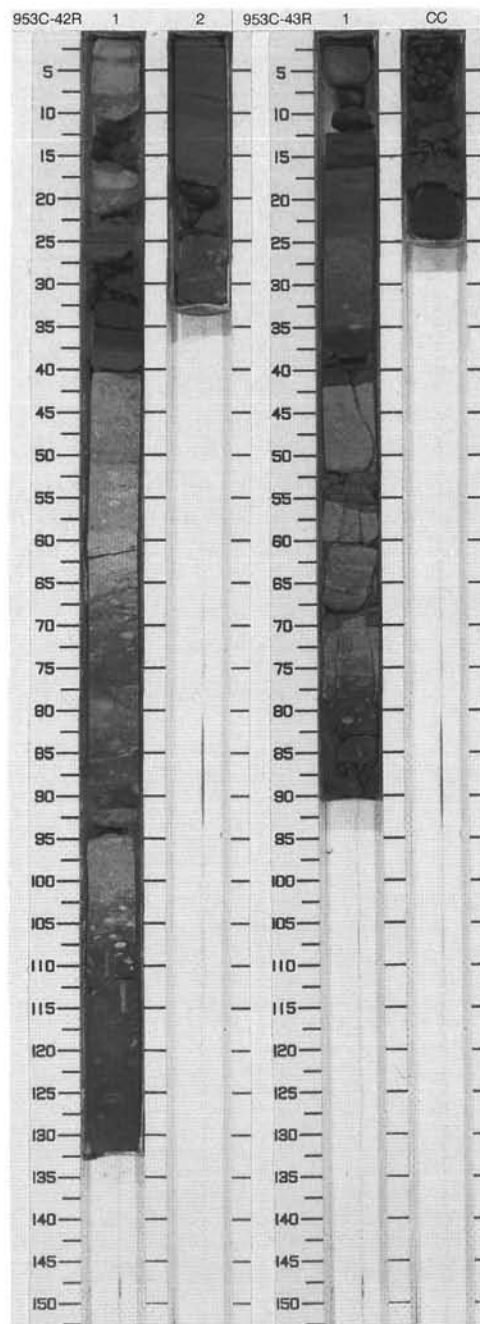
CORED 571.4 - 581.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|-----------------------------------|--|
| 1 | | 1 | Middle Miocene | ↑ F | | O | 7.5GY 2.5/1 to 5Y 4/1 | <p>CLAYSTONE and NANNOFOSSIL CHALK WITH CLAY</p> <p>Major Lithologies: This core consists of interbedded CLAYSTONE and NANNOFOSSIL CHALK WITH CLAY. Chalks are moderately to strongly bioturbated. Claystones may be moderately bioturbated or homogeneous. Units typically have sharp bases.</p> <p>Minor Lithologies: A parallel laminated, graded, coarse-grained LITHIC CRYSTAL SANDSTONE bed occurs in Section 1, 25-38 cm. A parallel- and cross-laminated SILTSTONE bed occurs in Section 2, 0-9 cm</p> |
| | | 2 | Middle Miocene | | | | 5Y 3/1 | |

SITE 953 HOLE C CORE 43R

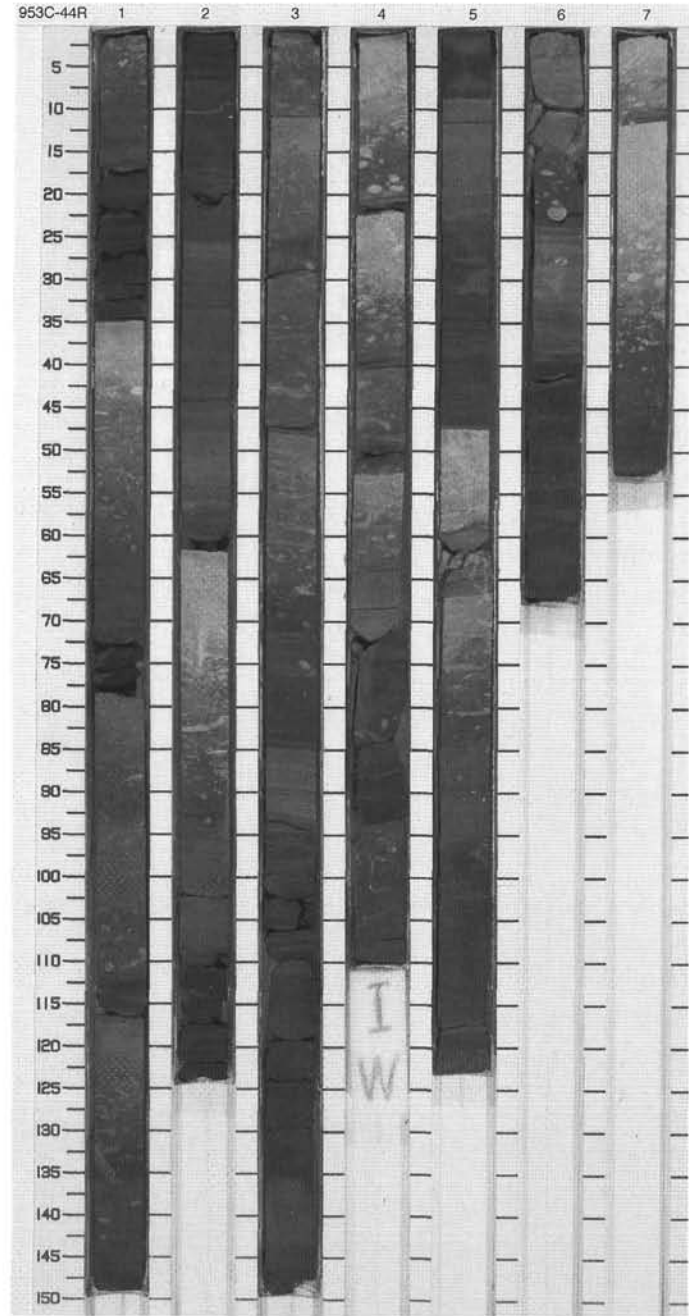
CORED 581.0 - 590.7 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-------------|-----------|---------|--------|----------------------------------|--|
| 1 | | 1 | Middle Mio. | | | | 7.5YR 3/2 to 5GY 3/2 | <p>CLAYSTONE WITH NANNOFOSSILS and NANNOFOSSIL CHALK WITH FORAMINIFERS</p> <p>Major Lithologies: CLAYSTONE WITH NANNOFOSSILS and NANNOFOSSIL CHALK WITH FORAMINIFERS are moderately to strongly bioturbated. Units typically have sharp bases.</p> <p>Minor Lithologies: Parallel-laminated SILTSTONE occurs in Section 1, 24-34 cm. LITHIC CRYSTAL SANDSTONE occurs in Section 1, 50-56 and 60-62 cm, and in Section 2, 18-24 cm.</p> |
| | | CC | Middle Mio. | | | | | |

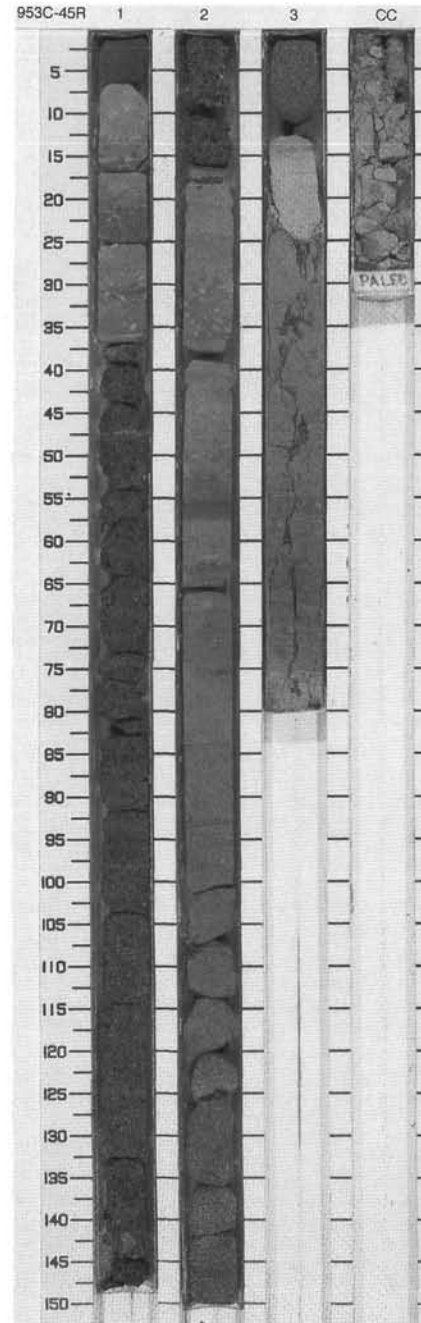


SITE 953 HOLE C CORE 44R CORED 590.7 - 600.4 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | |
|-------|------------------|---------|----------------|--|---------|--------|--|--|----------------------|
| 1 | [Dotted pattern] | 1 | middle Miocene | [Symbol: horizontal lines with wavy lines] | | | 2.5Y N2/0 to 5Y 4/1 | CLAYSTONE, NANNOFOSSIL CHALK WITH CLAY, CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, and NANNOFOSSIL CHALK WITH CLAY AND FORAMINIFERS | |
| 2 | [Dotted pattern] | 2 | | [Symbol: horizontal lines with wavy lines] | | | 5Y 3/1 to 2.5Y N2/0 | Major Lithologies: CLAYSTONE may constitute claystone with nannofossils and nannofossil clay over certain intervals and is typically moderately to strongly bioturbated. Claystone with nannofossils and nannofossil clay may grade into CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK. | |
| 3 | [Dotted pattern] | 3 | | [Symbol: horizontal lines with wavy lines] | | | 10GY 3/0 to 2.5Y N2/0 | NANNOFOSSIL CHALK WITH CLAY is moderately to strongly bioturbated and may grade into NANNOFOSSIL CHALK WITH CLAY AND FORAMINIFERS. Units typically have sharp bases. | |
| 4 | [Dotted pattern] | 4 | | [Symbol: horizontal lines with wavy lines] | | | 10GY 3/0 to 10Y 4/1 | Minor Lithologies: SILTSTONE occurs as thin to medium thickness interbeds and may be parallel- or cross-laminated. They commonly grade into LITHIC CRYSTAL SANDSTONE. Beds of LITHIC CRYSTAL SANDSTONE may be massive and also show cross- and parallel-lamination. They commonly show normal grading. SILTSTONE and LITHIC CRYSTAL SANDSTONE interbeds typically have sharp bases. | |
| 5 | [Dotted pattern] | 5 | | [Symbol: horizontal lines with wavy lines] | | | O | 10GY 3/0 to 5Y 5/1 | |
| 6 | [Dotted pattern] | 6 | | [Symbol: horizontal lines with wavy lines] | | | | | |
| 7 | [Dotted pattern] | 7 | | | | | [Symbol: horizontal lines with wavy lines] | | 10GY 3/0 to 5Y 2.5/1 |



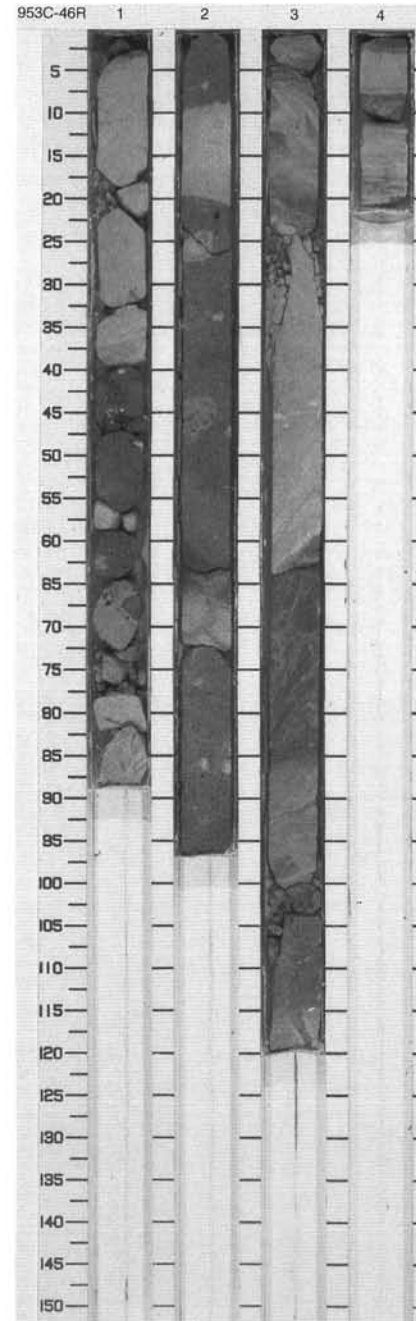
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|--------------------|---|
| 1 | [Symbol] | 1 | middle Miocene | [Symbol] | | T | 5GY 5/1 | <p>NANNOFOSSIL CLAYSTONE, LAPILLISTONE, NANNOFOSSIL CHALK, and CRYSTAL LITHIC SANDSTONE</p> <p>Major Lithologies: NANNOFOSSIL CLAYSTONE may grade into clayey nannofossil mixed sediment and is moderately to strongly bioturbated. LAPILLISTONE forms a thick normally graded bed and is polymict and matrix supported. Lapilli comprise angular to subangular phonolite lava and other rock fragments held in a fine-grained calcareous matrix. NANNOFOSSIL CHALK is moderately to strongly bioturbated and may grade into clayey nannofossil mixed sediment. CRYSTAL LITHIC SANDSTONE forms a thick bed in Section 2, 67-150 cm, to Section 3, 0-13 cm. It is massive, normally graded, polymict, and poorly sorted. It grades upward into siltstone.</p> <p>Minor Lithologies: SILTSTONE and CLAYEY NANNOFOSSIL MIXED SEDIMENT (See under major lithology for description of occurrence).</p> |
| 1 | [Symbol] | 1 | | [Symbol] | | T | 7.5GY 3/1 | |
| 2 | [Symbol] | 2 | | [Symbol] | | T | 10Y 5/1 | |
| 2 | [Symbol] | 2 | | [Symbol] | | T | 7.5GY 4/1 | |
| 3 | [Symbol] | 3 | | [Symbol] | | T | 5GY 4/1 to 10Y 4/1 | |
| 4 | [Symbol] | CC | | [Symbol] | > | M | | |



SITE 953 HOLE C CORE 46R

CORED 610.0 - 619.6 mbsf

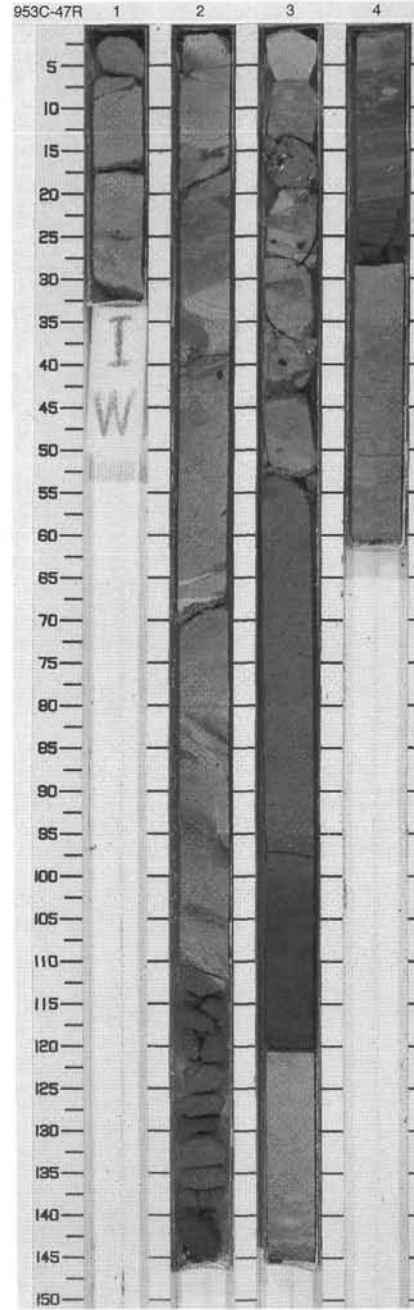
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|----------------------------------|---|
| 1 | | 1 | middle Miocene | ⋈ | ∇∇∇∇ | T | 7.5GY 2.5/1 | <p>NANNOFOSSIL CHALK WITH CLAY and CRYSTAL LITHIC SANDSTONE</p> <p>Major Lithologies: NANNOFOSSIL CHALK WITH CLAY is commonly moderately mottled and streaked and mixed with patchy nannofossil claystone. It forms large, often deformed clasts, in a matrix of CRYSTAL LITHIC SANDSTONE, or intervals (commonly deformed in Sections 1 and 2) between CRYSTAL LITHIC SANDSTONE interbeds. NANNOFOSSIL CHALK WITH CLAY may grade into clayey nannofossil chalk, nannofossil claystone, and clayey nannofossil mixed sediment with increasing clay content. CRYSTAL LITHIC SANDSTONE occurs as scattered matrix-supported clasts and lapilli within NANNOFOSSIL CHALK WITH CLAY, as deformed beds packed around large clasts of NANNOFOSSIL CHALK WITH CLAY or as discrete interbeds. Sand is polymict, very poorly sorted, fine to coarse grained and contains granule to pebble-size volcanic rock fragments.</p> <p>Minor Lithologies: CLAYEY NANNOFOSSIL MIXED SEDIMENT, CLAYEY NANNOFOSSIL CHALK, and NANNOFOSSIL CLAYSTONE (see under major lithology for description of occurrence).</p> |
| 2 | | 2 | | ◆ | | | 7.5GY 3/1 | |
| 3 | | 3 | | ⋈ | | | 2.5G 4/0 to 7.5G 3/0 | |
| 4 | | 4 | | | | | | |



SITE 953 HOLE C CORE 47R

CORED 619.6 - 629.3 mbsf

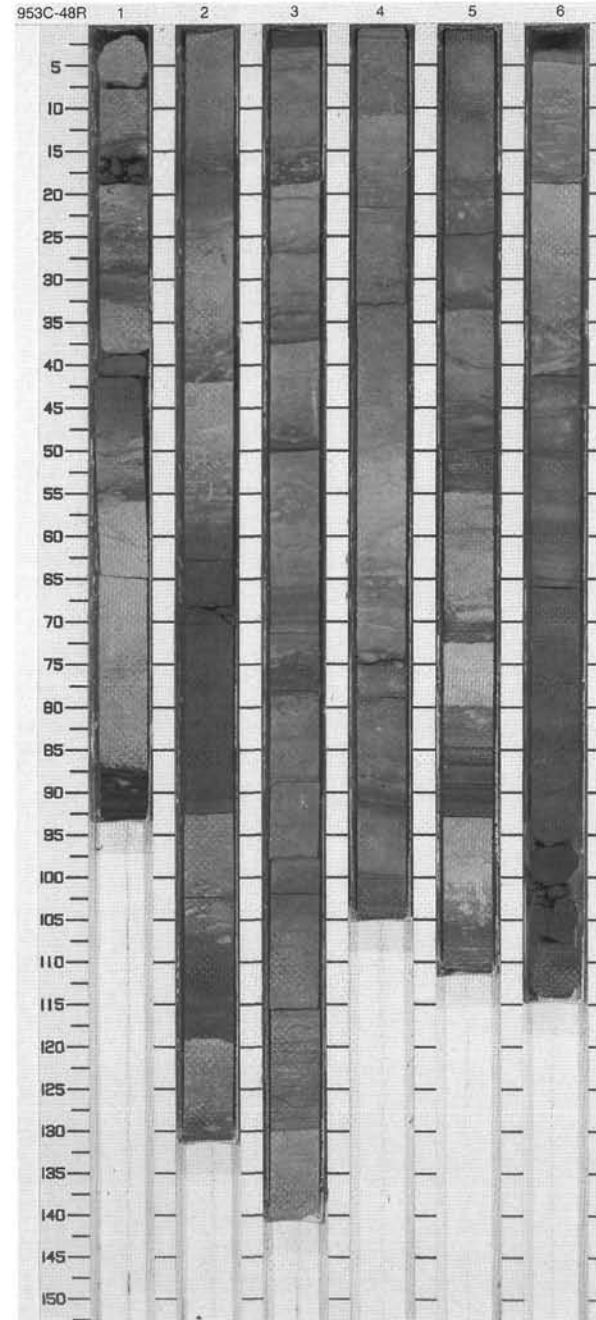
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|------------------|---------|----------------|-----------|---------|--------|------------------------|---|
| 1 | [Brick pattern] | 1 | middle Miocene | 2 | I | O | 5GY 3/1 | NANNOFOSSIL CHALK WITH CLAY and CRYSTAL LITHIC SANDSTONE |
| 1 | [Brick pattern] | 2 | | | | | 7.5GY 2.5/1 to 5GY 3/1 | Major Lithologies: NANNOFOSSIL CHALK WITH CLAY occurs as chaotic folded beds and clasts intermixed with CRYSTAL LITHIC SANDSTONE lenses in Sections 1 and 2, or as strongly bioturbated beds in Sections 3 and 4. NANNOFOSSIL CHALK WITH CLAY may grade into nannofossil clay. CRYSTAL LITHIC SANDSTONE occurs as small lenses and interbeds in NANNOFOSSIL CHALK WITH CLAY or as disturbed, poorly to moderately sorted beds and bands. May contain granule-sized lithic fragments and sometimes significant quantities of foraminifers. |
| 2 | [Dotted pattern] | 3 | | | | | 7.5GY 3/1 to 5Y 5/1 | |
| 3 | [Brick pattern] | 4 | | | | | 5GY 4/1 | Minor Lithology: NANNOFOSSIL CLAY (see under major lithology for description of occurrence). |



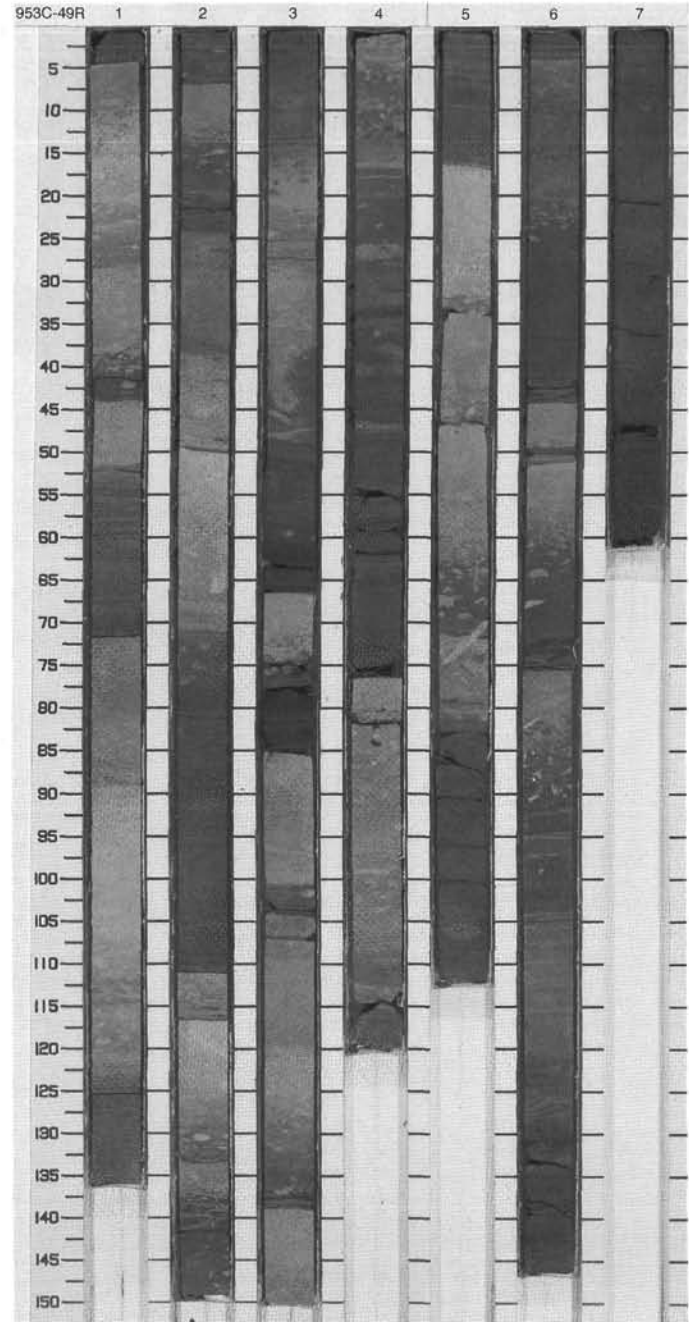
SITE 953 HOLE C CORE 48R

CORED 629.3 - 638.9 mbsf

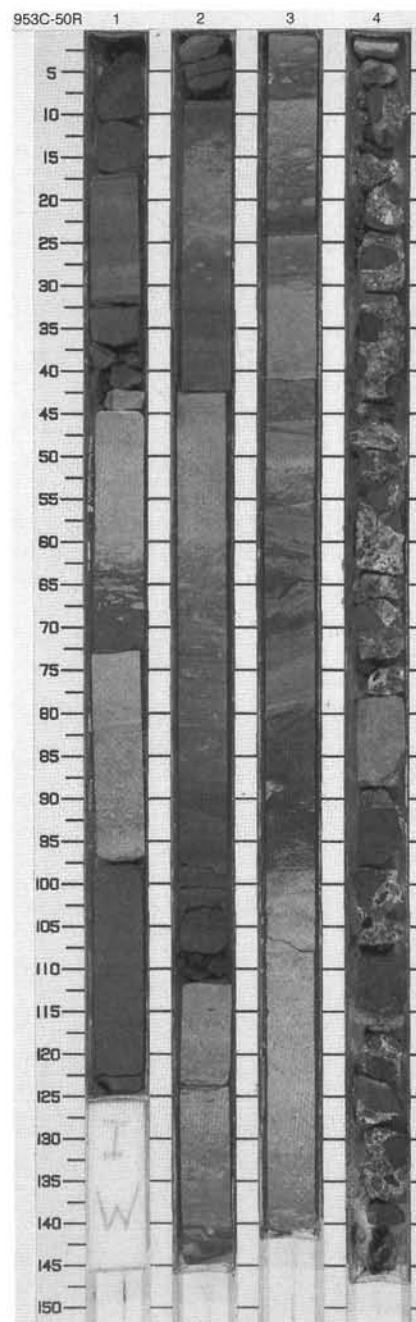
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|----------------------------------|--|
| 1 | | 1 | | | | T | 2.5G 3/0 to 5Y 6/2 | NANNOFOSSIL CHALK WITH CLAY, NANNOFOSSIL CLAYSTONE, and LITHIC CRYSTAL SANDSTONE |
| 2 | | 2 | | ↑ F | | T | 2.5G 3/0 to 10Y 4/1 | Major Lithologies: NANNOFOSSIL CHALK WITH CLAY occurs as moderately to strongly bioturbated beds but may grade into clayey siltstone. It may contain conspicuous quantities of foraminifers. With increasing clay content, NANNOFOSSIL CHALK WITH CLAY grades into clayey nannofossil chalk. NANNOFOSSIL CLAYSTONE occurs as thin to medium thickness, moderately bioturbated beds, which commonly grade down into planar-laminated clayey siltstone. LITHIC CRYSTAL SANDSTONE occurs as thin, poorly to moderately sorted, massive but commonly graded, interbeds which may show planar- and cross-lamination. |
| 3 | | 3 | Middle Miocene | ↑ F | | T | 10Y 4/1 to 7.5GY 3/1 | |
| 4 | | 4 | | ↑ F | | T | 10Y 4/1 to 5GY 4/1 | |
| 5 | | 5 | | | | T | 5GY 3/1 to 7.5GY 3/1 | Minor Lithologies: CLAYEY SILTSTONE occurs as thin, commonly planar-laminated intervals, which may grade down into lithic crystal sandstone. CLAYEY NANNOFOSSIL CHALK bands may grade up into nannofossil chalk with clay or nannofossil claystone. |
| 6 | | 6 | | ↑ F | | T | 5GY 4/1 to 10Y 4/1 | |



| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|-------------------|---------|----------------|---------------|---------|--------|-----------------------|--|
| 1 | [Graphic Lith. 1] | 1 | | [Structure 1] | | | 10GY 4/2 to 10Y 5/1 | <p>NANNOFOSSIL CHALK WITH CLAY, NANNOFOSSIL CLAYSTONE, and FORAMINIFER SANDSTONE WITH LITHICS AND CRYSTALS</p> <p>Major Lithologies: NANNOFOSSIL CHALK WITH CLAY occurs as thin, moderately bioturbated beds which may contain scattered sand-sized crystal grains, and may grade down into siltstone. NANNOFOSSIL CLAYSTONE occurs as thin, moderately or strongly bioturbated interbeds which may grade down into planar-laminated siltstone. FORAMINIFER SANDSTONE WITH LITHICS AND CRYSTALS occurs as moderately to poorly sorted, massive or planar-laminated beds which contain common lithic fragments, mud clasts, and granule-sized clasts.</p> |
| 2 | [Graphic Lith. 2] | 2 | | [Structure 2] | | | 10Y 5/1 to 5GY 3/1 | |
| 3 | [Graphic Lith. 3] | 3 | middle Miocene | [Structure 3] | T | | 2.5G 2.5/0 to 10Y 4/1 | <p>FORAMINIFER SANDSTONE WITH LITHICS AND CRYSTALS may underlie siltstones and show normal grading.</p> |
| 4 | [Graphic Lith. 4] | 4 | | [Structure 4] | | | 5BG 4/1 to 10GY 4/0 | |
| 5 | [Graphic Lith. 5] | 5 | | [Structure 5] | | | 5G 3/1 to 5Y 5/1 | <p>Minor Lithologies: CRYSTAL LITHIC SANDSTONE may occur as thin-graded or massive interbeds associated with thin, commonly parallel-laminated SILTSTONES.</p> |
| 6 | [Graphic Lith. 6] | 6 | | [Structure 6] | | | 5Y 4/1 to 2.5G 4/0 | |
| 7 | [Graphic Lith. 7] | 7 | | [Structure 7] | T | | 2.5G 3/0 | |



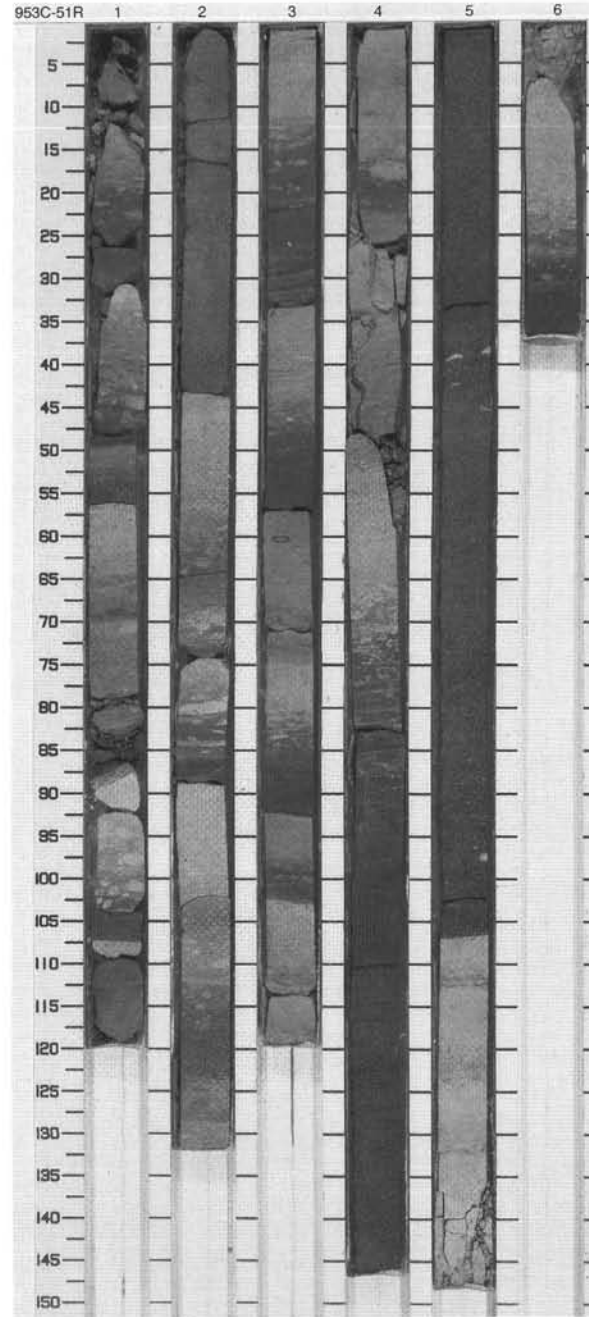
| SITE 953 HOLE C CORE 50R | | | | CORED 648.5 - 658.1 mbsf | | | |
|--------------------------|---------------|-------------|-----------|--------------------------|--------|----------------------------------|--|
| Meter | Graphic Lith. | Section Age | Structure | Disturb | Sample | Color | Description |
| 1 | | 1 | | | T | 10G 3/1 to 5Y 3/1 | <p>NANNOFOSSIL CHALK WITH CLAY, NANNOFOSSIL CLAYSTONE, CLAYSTONE, and VOLCANIC BRECCIA</p> <p>Major Lithologies: NANNOFOSSIL CHALK WITH CLAY occurs as generally thin, moderately to strongly bioturbated beds that may grade down into thin, commonly planar-laminated siltstone and crystal lithic sandstone. NANNOFOSSIL CLAYSTONE also occurs as thin beds that may grade down into planar-laminated siltstone and crystal lithic sandstone. With increasing clay content, NANNOFOSSIL CLAYSTONE grades into CLAYSTONE. VOLCANIC BRECCIA occurs as a thick bed in Section 4, 7-147 cm, and is polymict, structureless and matrix supported. It contains granule-sized to very large pebbles of phonolite lava, ignimbrite clasts, and other volcanic rock fragments.</p> <p>Minor Lithologies: CRYSTAL LITHIC SANDSTONE and SILTSTONE (see under major lithology for description of occurrence).</p> |
| 2 | | 2 | | | O | 10Y 4/1 to 5GY 3/1 | |
| 3 | | 3 | | | | 10Y 4/1 to 5GY 4/1 | |
| 4 | | 4 | | | T | 2.5G 4/0 to 7.5G 4/0 | |
| 5 | | | | | T | | |



SITE 953 HOLE C CORE 51R

CORED 658.1 - 667.7 mbsf

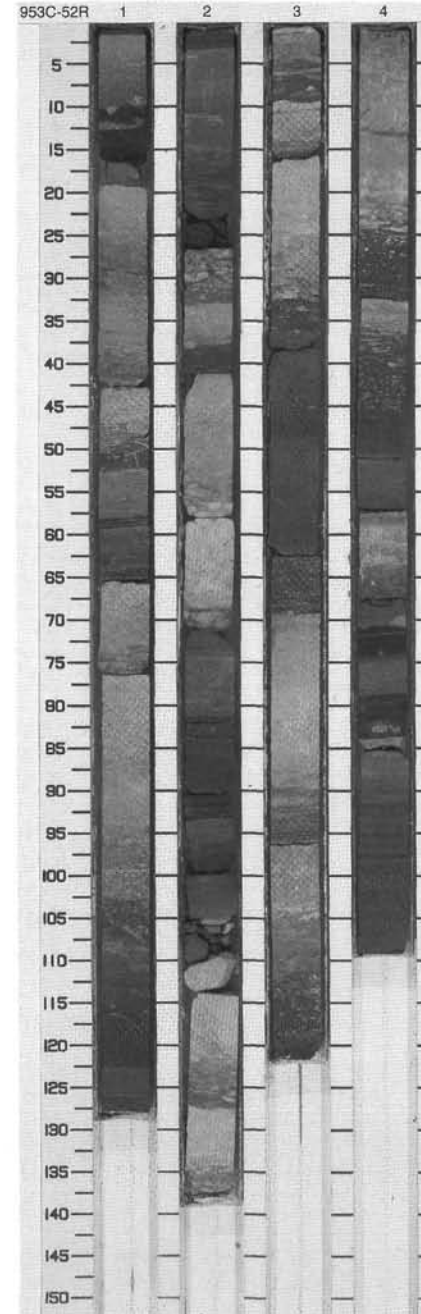
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|--|---------------|---------|----------------|-----------|---------|--------|---------------------|---|
| 1 | [Pattern] | 1 | | [Symbol] | ± | T | 5GY 3/1 to 10Y 5/1 | NANNOFOSSIL CHALK WITH CLAY, NANNOFOSSIL CLAYSTONE, CLAYSTONE WITH NANNOFOSSILS, and LITHIC CRYSTAL FORAMINIFER SANDSTONE |
| 2 | [Pattern] | 2 | | [Symbol] | ± | T | 7.5GY 3/1 to 5Y 4/1 | Major Lithologies: NANNOFOSSIL CHALK WITH CLAY occurs as thin to medium thickness, moderately to strongly bioturbated beds that may grade down into thin, commonly planar-laminated siltstones, which have sharp bases. NANNOFOSSIL CLAYSTONE also occurs as thin beds that may grade down into planar-laminated siltstones. NANNOFOSSIL CLAYSTONE grades into CLAYSTONE WITH NANNOFOSSILS with increasing clay content. LITHIC CRYSTAL FORAMINIFER SANDSTONE occurs as a thick, massive, polymict, poorly sorted but normally graded bed in Section 4, 68 cm to Section 5, 107 cm. LITHIC CRYSTAL FORAMINIFER SANDSTONE also occurs as a massive, moderately sorted bed in Section 1, 109 cm, to Section 2, 43 cm. |
| 3 | [Pattern] | 3 | Middle Miocene | [Symbol] | | S | 5GY 3/1 | |
| 4 | [Pattern] | 4 | | [Symbol] | ± | S | 5GY 4/1 to 10Y 5/1 | |
| 5 | [Pattern] | 5 | | [Symbol] | | T | 2.5G 3/0 to 5GY 4/1 | |
| 6 | [Pattern] | 6 | | [Symbol] | | T | 5G 2/1 | Minor Lithologies: VOLCANIC CONGLOMERATE occurs as drilling breccia in Section 1, 0-12 cm. SILTSTONE occurs as thin, commonly parallel-laminated beds which have sharp bases and typically grade upward into nannofossil chalk with clay, nannofossil claystone, or claystone with nannofossils (see description under major lithologies). |
| <p>General Description: This core consists of distinct interbeds of the major and minor lithologies.</p> | | | | | | | | |



SITE 953 HOLE C CORE 52R

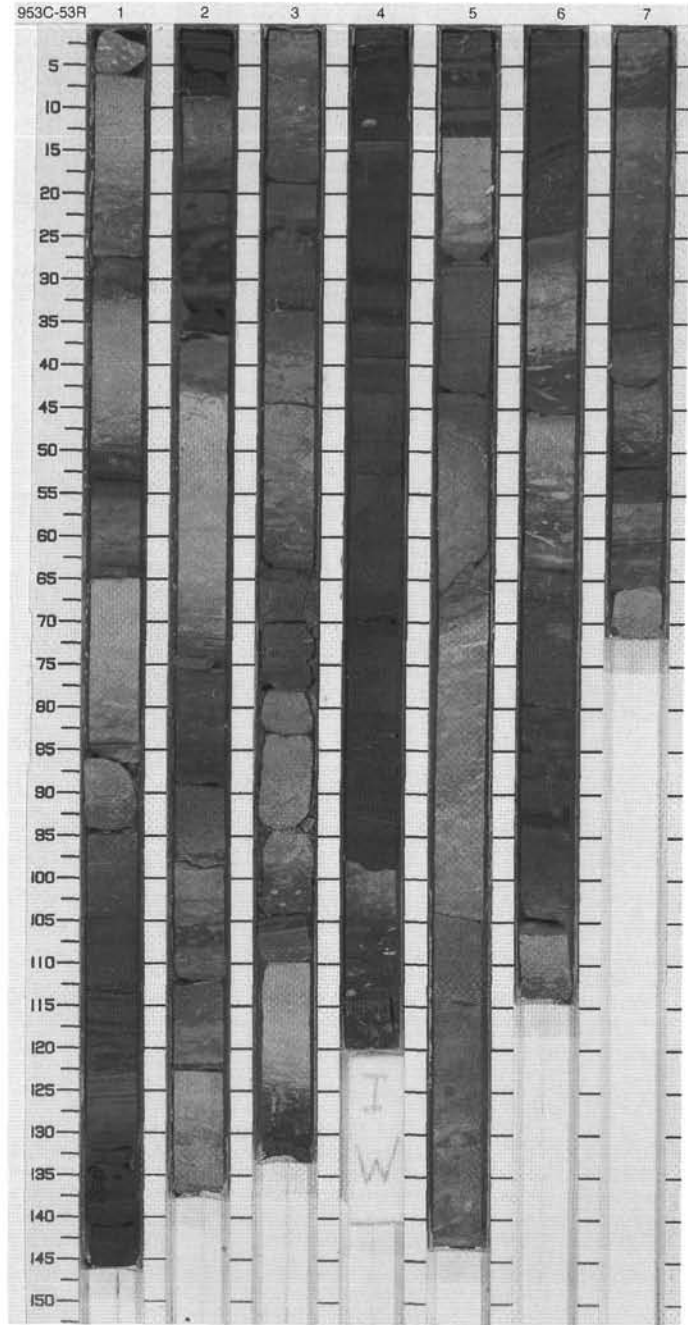
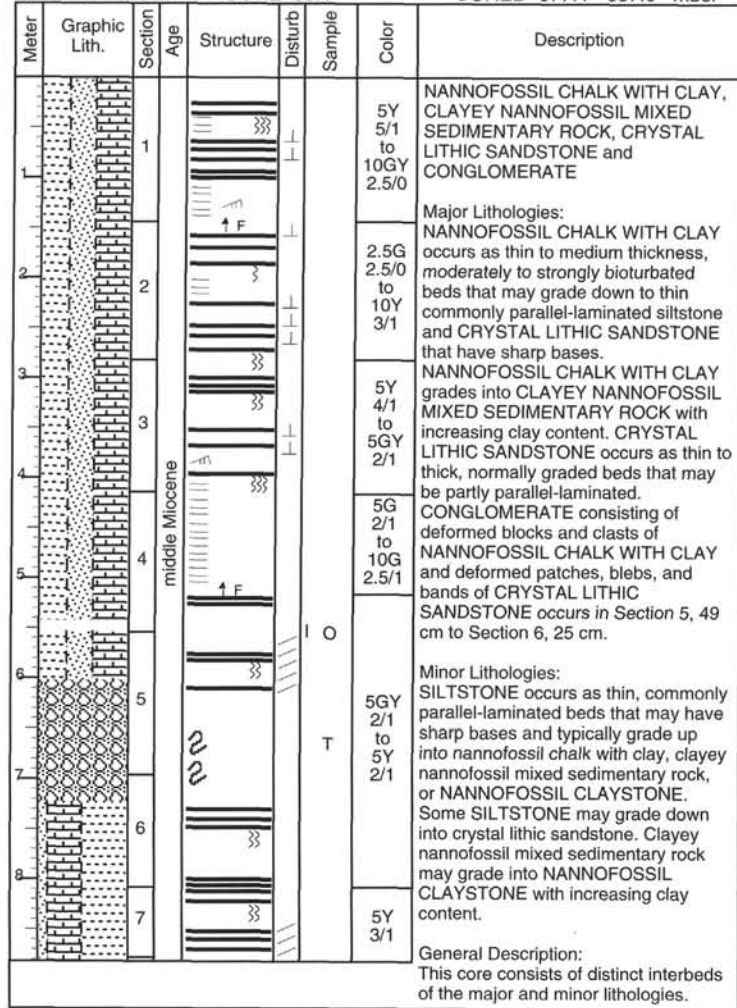
CORED 667.7 - 677.4 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|--|---------------|---------|----------------|-----------|---------|--------|-----------------------------------|---|
| 1 | | 1 | middle Miocene | | | T | 5GY 4/1 to 7.5G 2.5/0 | NANNOFOSSIL CHALK WITH CLAY, CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, and LITHIC CRYSTAL FORAMINIFER SANDSTONE |
| 2 | | 2 | | | | T | 7.5GY 4/1 to 10Y 4/1 | Major Lithologies: NANNOFOSSIL CHALK WITH CLAY occurs as thin to medium thickness, moderately to strongly bioturbated beds that may grade down into thin, commonly planar-laminated siltstones that have sharp bases. |
| 3 | | 3 | | | | | 5Y 2/1 to 5GY 3/1 | NANNOFOSSIL CHALK WITH CLAY grades into CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK and NANNOFOSSIL CLAYSTONE with increasing clay content. LITHIC CRYSTAL FORAMINIFER SANDSTONE occurs as thin, massive, normally graded intervals which may be partly planar-laminated. |
| 4 | | 4 | | | | | 10Y 4/1 to 5GY 3/1 | |
| 5 | | | | | | | | Minor Lithology: SILTSTONE occurs as thin, commonly parallel-laminated beds that have sharp bases and typically grade upward into nannofossil chalk with clay, clayey nannofossil mixed sedimentary rock, and nannofossil claystone (see description under major lithologies). |
| General Description: This core consists of distinct interbeds of the major and minor lithologies. | | | | | | | | |



SITE 953 HOLE C CORE 53R

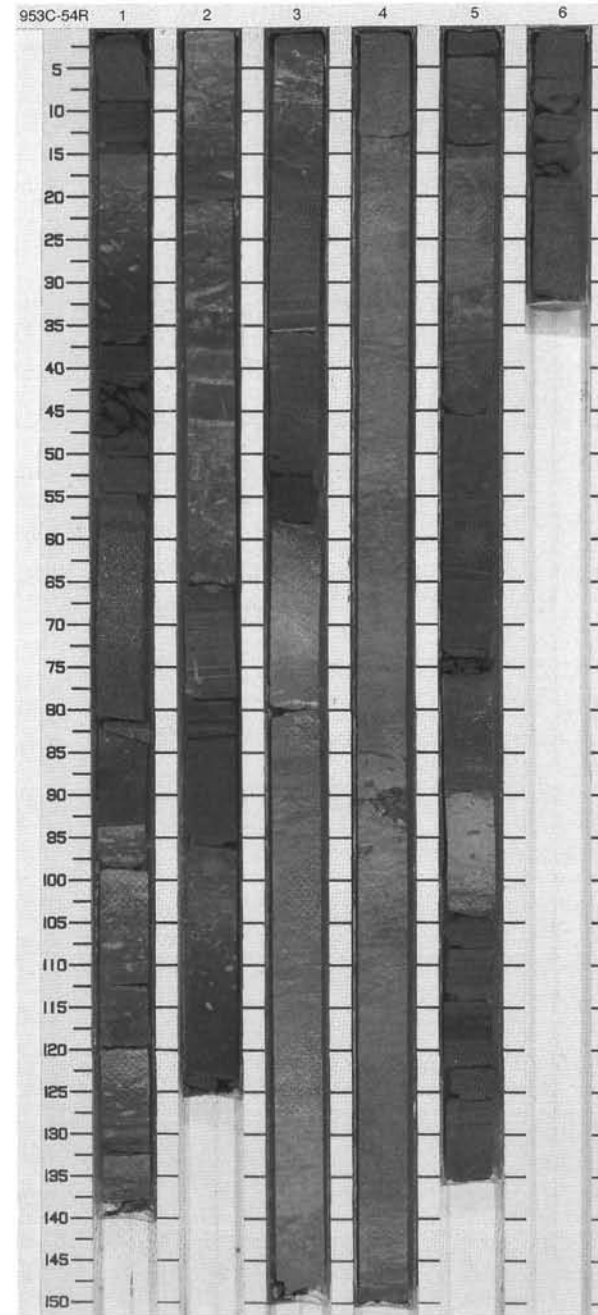
CORED 677.4 - 687.0 mbsf

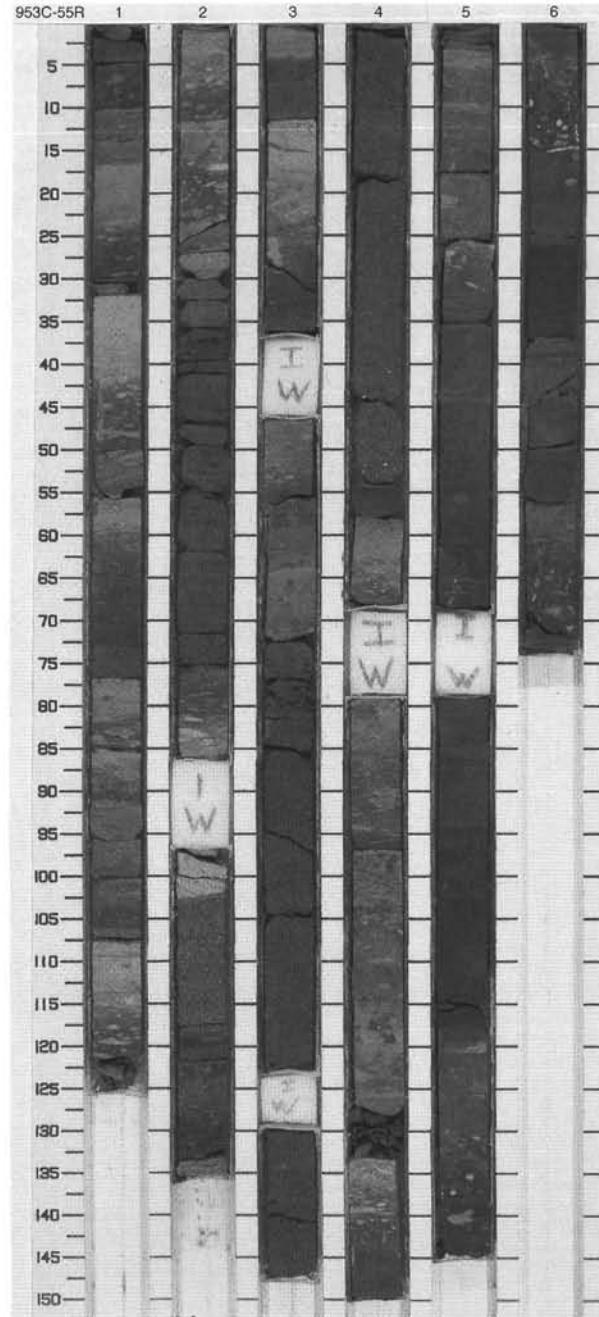
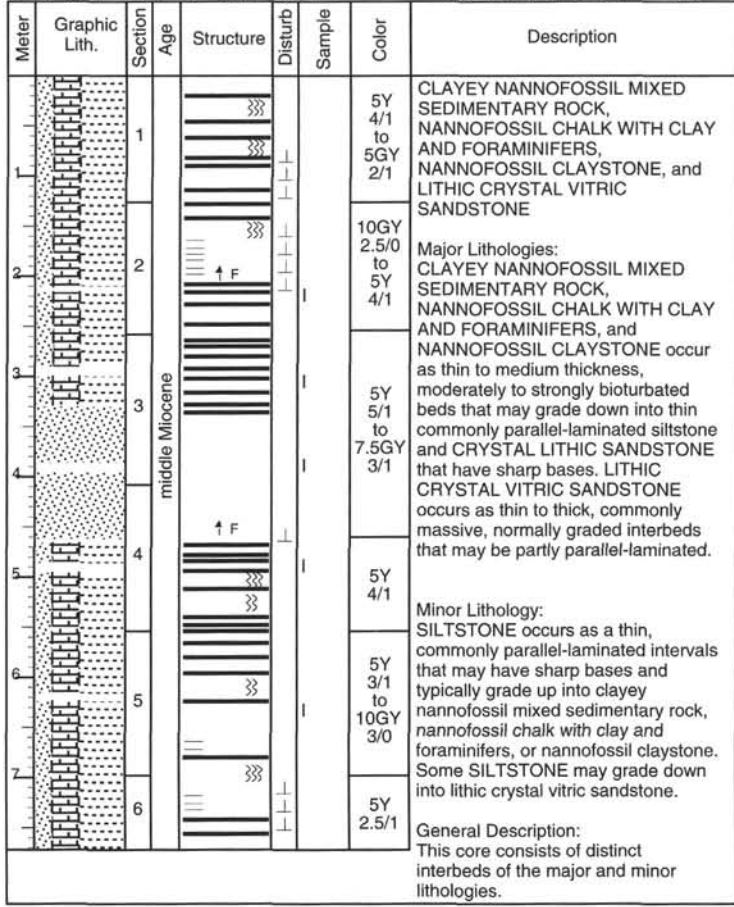


SITE 953 HOLE C CORE 54R CORED 687.0 - 696.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|------------------|---------|----------------|--------------------|---------|--------|------------------------|--|
| 1 | [Dotted pattern] | 1 | | [Horizontal lines] | | | 10Y 3/1 to 5GY 3/1 | NANNOFOSSIL CHALK WITH CLAY, CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, CRYSTAL LITHIC SANDSTONE, and VITRIC LITHIC SANDSTONE WITH CRYSTALS |
| 2 | [Dotted pattern] | 2 | | [Wavy lines] | | | 10GY 3/0 to 5GY 2/1 | Major Lithologies: NANNOFOSSIL CHALK WITH CLAY and CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK occur as thin to thick, moderately to strongly bioturbated beds that may grade down to thin, commonly parallel- and cross-laminated siltstone and CRYSTAL LITHIC SANDSTONE which have sharp bases. CRYSTAL LITHIC SANDSTONE occurs as thin, normally graded beds that may be partly or completely parallel-laminated. A thick parallel-laminated bed of VITRIC LITHIC SANDSTONE WITH CRYSTALS occurs in Section 5, 103 cm, to Section 6, 32 cm. |
| 3 | [Dotted pattern] | 3 | Middle Miocene | [Wavy lines] | | | 7.5GY 2.5/1 to 10Y 4/1 | Minor Lithologies: SILTSTONE occurs as thin, commonly parallel-laminated beds that may have sharp bases and typically grade up into nannofossil chalk with clay and clayey nannofossil mixed sedimentary rock. Some SILTSTONE may grade down into crystal lithic sandstone. A thin, matrix-supported VOLCANIC BRECCIA occurs in Section 4, 84-95 cm. This is poorly sorted and consists of medium-sized pebbles of angular to subangular mafic volcanic rock fragments. |
| 4 | [Brick pattern] | 4 | | [Wavy lines] | | | 10Y 4/1 to 5Y 4/1 | |
| 5 | [Dotted pattern] | 5 | | [Wavy lines] | | | 5GY 4/1 to 5Y 4/1 | |
| 6 | [Dotted pattern] | 6 | | [Wavy lines] | | | | |
| 7 | [Dotted pattern] | 6 | | [Wavy lines] | | | | |

General Description:
This core consists of distinct interbeds of the major and minor lithologies.

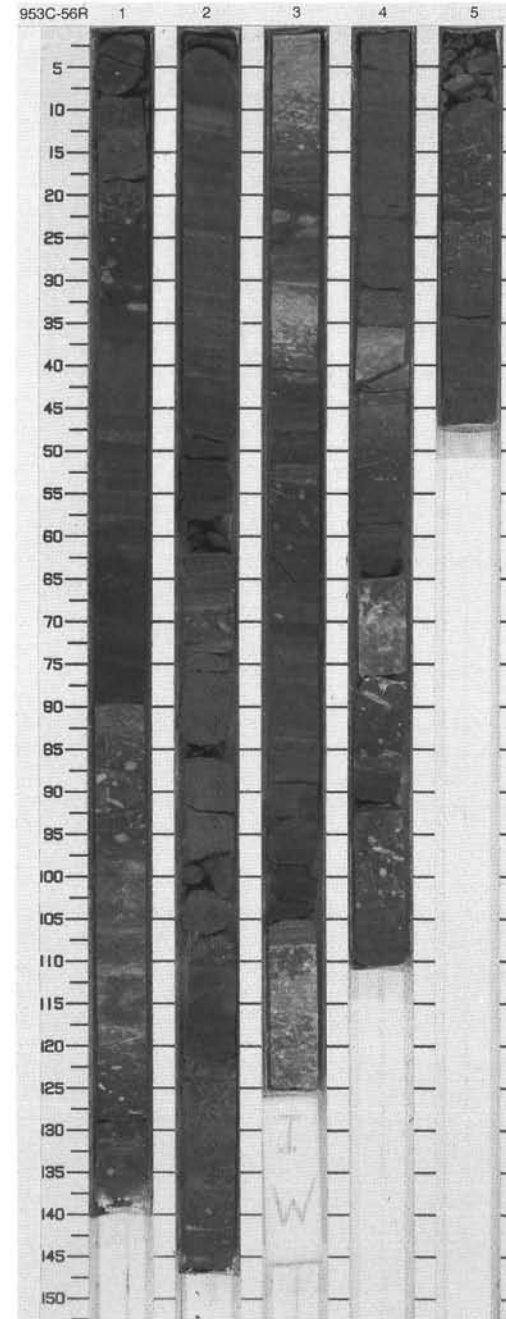




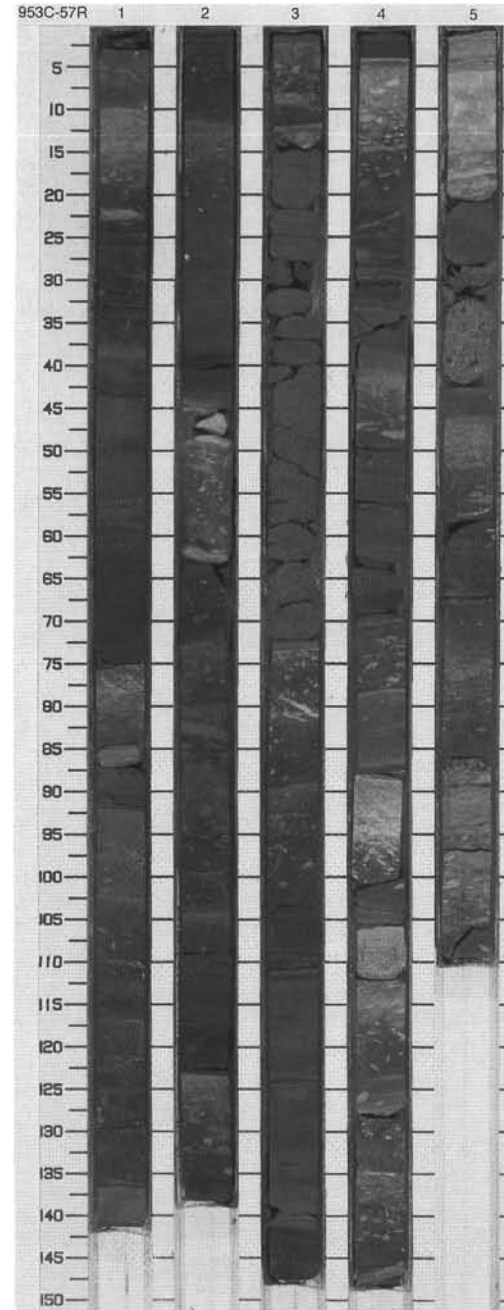
SITE 953 HOLE C CORE 56R

CORED 706.0 - 715.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|--------------------------|---------|--------|-------------------|---|
| 1 | [Symbol] | 1 | middle Miocene | [Symbol] | I O | | 5GY 3/1 to 5Y 2/1 | <p>CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, CLAYSTONE WITH NANNOFOSSILS, and LITHIC CRYSTAL SANDSTONE</p> <p>Major Lithologies: CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, and CLAYSTONE WITH NANNOFOSSILS occur as thin to medium thickness, moderately to strongly bioturbated beds that may grade down into thin commonly parallel-laminated siltstone and LITHIC CRYSTAL SANDSTONE that have sharp bases. LITHIC CRYSTAL SANDSTONE occurs as thin to thick, commonly massive, normally graded interbeds that may be partly parallel-laminated.</p> <p>Minor Lithology: SILTSTONE occurs as thin, commonly parallel-laminated beds that may have sharp bases and typically grade up into clayey nannofossil mixed sedimentary rock, nannofossil claystone, or claystone with nannofossils. Some SILTSTONE may grade down into lithic crystal sandstone.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies.</p> |
| 2 | [Symbol] | 2 | | 2.5Y N2/0 to 7.5GY 2.5/1 | | | | |
| 3 | [Symbol] | 3 | | 5Y 2/1 to 5GY 3/1 | | | | |
| 4 | [Symbol] | 4 | | 5GY 2/1 to 5Y 2/1 | | | | |
| 5 | [Symbol] | 5 | | 5Y 2/1 | | | | |



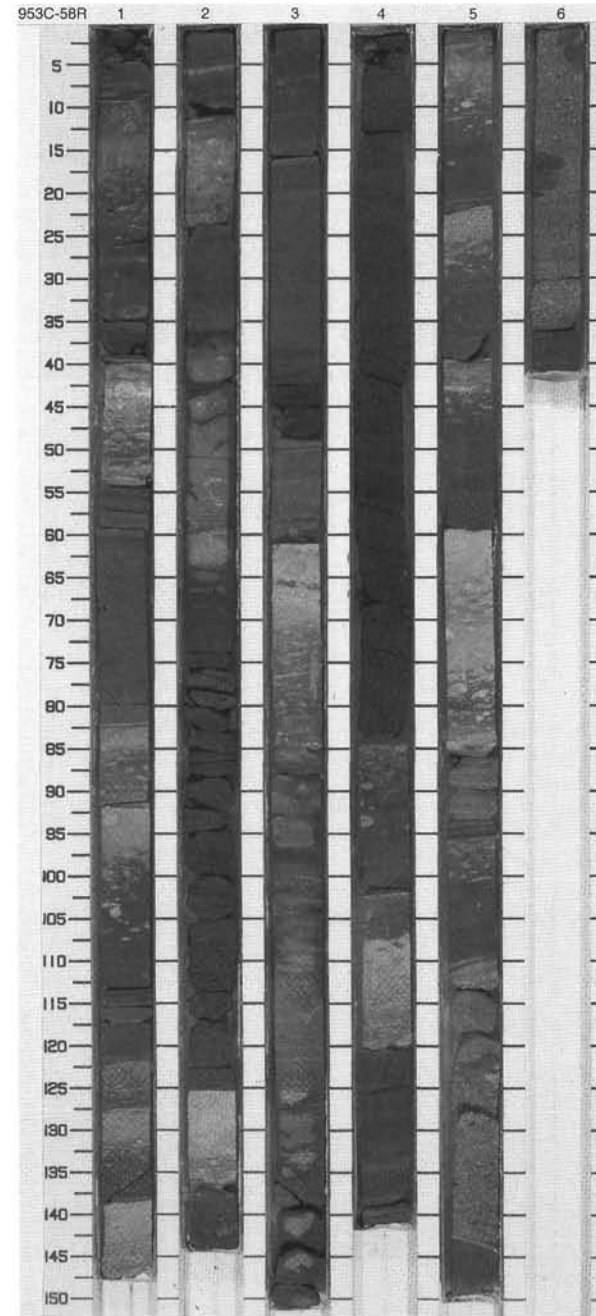
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|----------------------|--|
| 1 | [Symbol] | 1 | | [Symbol] | | | 10Y 3/1 to 10YR 2/1 | CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, CLAYSTONE, and CLAYSTONE WITH NANNOFOSSILS |
| 2 | [Symbol] | 2 | | [Symbol] | | | 5Y 2/1 to 10YR 2/1 | Major Lithologies: CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, CLAYSTONE, and CLAYSTONE WITH NANNOFOSSILS occur as very thin- to medium-bedded, moderately to strongly bioturbated beds that may grade downward into thin, commonly parallel-laminated SILTSTONE and CRYSTAL LITHIC SANDSTONE that have sharp bases. LITHIC CRYSTAL VITRIC SANDSTONE occurs as thin to thick, commonly massive, normally graded interbeds that may be partly parallel-laminated. |
| 3 | [Symbol] | 3 | Middle Miocene | [Symbol] | | | 2.5Y N2/0 to 5GY 2/1 | |
| 4 | [Symbol] | 4 | | [Symbol] | | | 2.5Y N2/0 to 5GY 2/1 | Minor Lithologies: LITHIC CRYSTAL SANDSTONE and LAPILLISTONE occurs as thin to thick, commonly parallel-laminated beds that may have sharp bases and typically grade upward into the major lithologies. |
| 5 | [Symbol] | 5 | | [Symbol] | | | 5Y 2/1 to 2.5G 2.5/0 | |



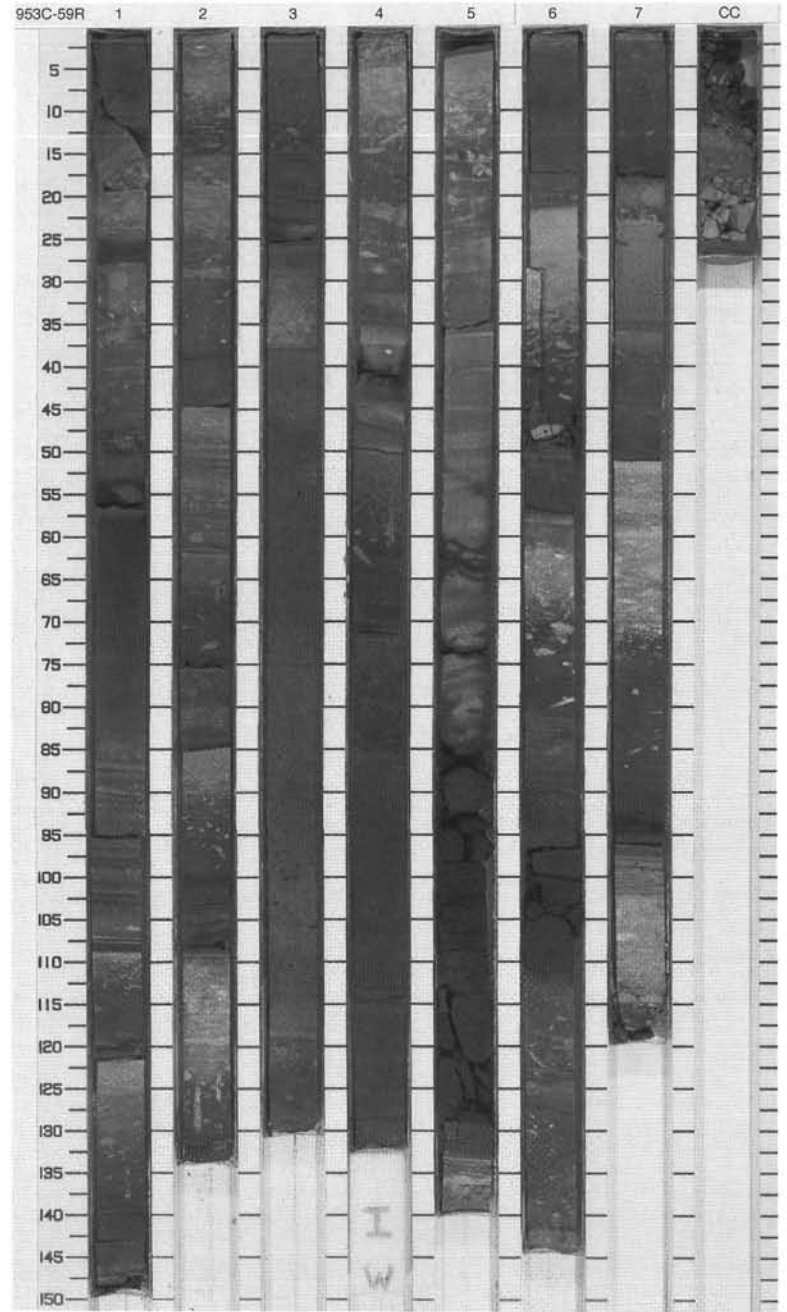
SITE 953 HOLE C CORE 58R

CORED 725.2 - 734.9 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-----|-----------|---------|--------|----------|---|
| 1 | [Pattern] | 1 | | [Symbol] | | | 5GY 3/1 | CLAYEY NANNOFOSSIL CHALK, CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, CLAYSTONE, and LITHIC SANDSTONE |
| 2 | [Pattern] | 2 | | [Symbol] | | | 10GY 3/0 | |
| 3 | [Pattern] | 3 | | [Symbol] | | | 5GY 2/1 | Major Lithologies: CLAYEY NANNOFOSSIL CHALK, CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, CLAYSTONE, and LITHIC SANDSTONE occur as thin to medium bedded, moderately to strongly bioturbated beds that may grade downward into thin, parallel-laminated SILTSTONE and CRYSTAL LITHIC SANDSTONE that have sharp bases. |
| 4 | [Pattern] | 3 | | [Symbol] | | | 10Y 3/1 | |
| 5 | [Pattern] | 4 | | [Symbol] | | | 5G 2/1 | Minor Lithologies: SILTSTONE and SILTY CLAYSTONE occurs as thin, commonly parallel-laminated beds that may have sharp bases and typically grade up into the major lithologies. Some SILTSTONE may grade down into LITHIC CRYSTAL SANDSTONE. |
| 6 | [Pattern] | 5 | | [Symbol] | | | 5Y 2/1 | |
| 7 | [Pattern] | 6 | | [Symbol] | | | 10Y 3/1 | |



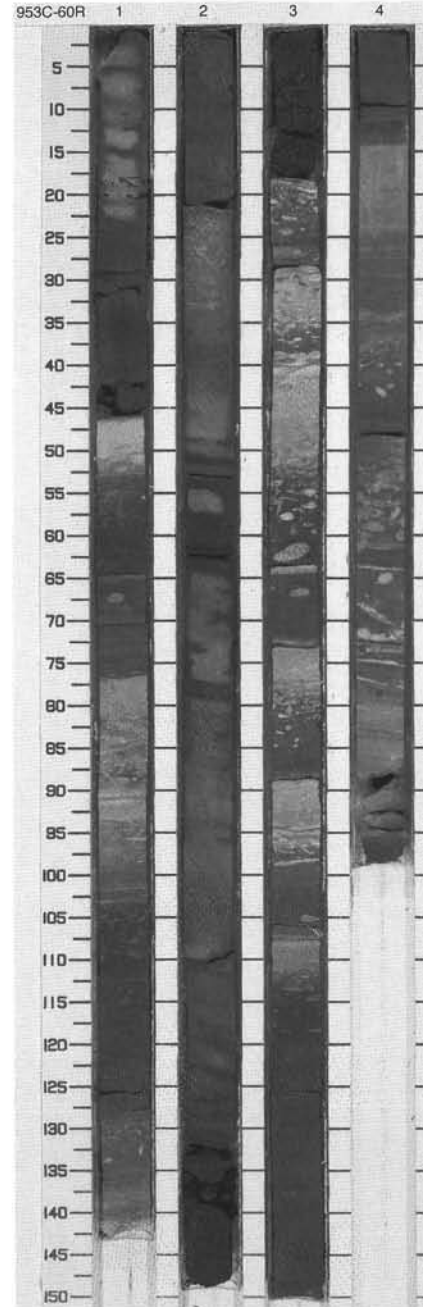
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|-------------------------|---|
| 1 | [Symbol] | 1 | | [Symbol] | | | 5Y 2/1 to 5GY 3/1 | CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, and CRYSTAL LITHIC SANDSTONE |
| 2 | [Symbol] | 2 | | [Symbol] | | | 5Y 2.5/1 to 5GY 2/1 | Major Lithologies: CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, and CRYSTAL LITHIC SANDSTONE occur as thin to medium bedded, moderately to strongly bioturbated beds that may grade downward into thin, parallel-laminated SILTSTONE and SANDSTONE that have sharp bases. CRYSTAL LITHIC SANDSTONE occurs as thin to thick, commonly massive, normally graded interbeds that may be partly parallel laminated. |
| 3 | [Symbol] | 3 | | [Symbol] | | | 7.5GY 2.5/1 | Minor Lithologies: CLAYSTONE and CLAYSTONE WITH NANNOFOSSILS occur as thin interbeds at the tops of major lithologies. SILTSTONE commonly occur at the base on major lithologies. |
| 4 | [Symbol] | 4 | Middle Miocene | [Symbol] | | | 7.5GY 2.5/1 to 10YR 2/1 | |
| 5 | [Symbol] | 5 | | [Symbol] | | | 5B 4/1 | |
| 6 | [Symbol] | 6 | | [Symbol] | | | | |
| 7 | [Symbol] | 7 | | [Symbol] | | | | |
| 8 | [Symbol] | 8 | | [Symbol] | | | | |
| 9 | [Symbol] | 9 | | [Symbol] | | | 10Y 3/1 to 5GY 2/1 | |
| | | CC | | | | | | |



SITE 953 HOLE C CORE 60R

CORED 744.5 - 754.1 mbsf

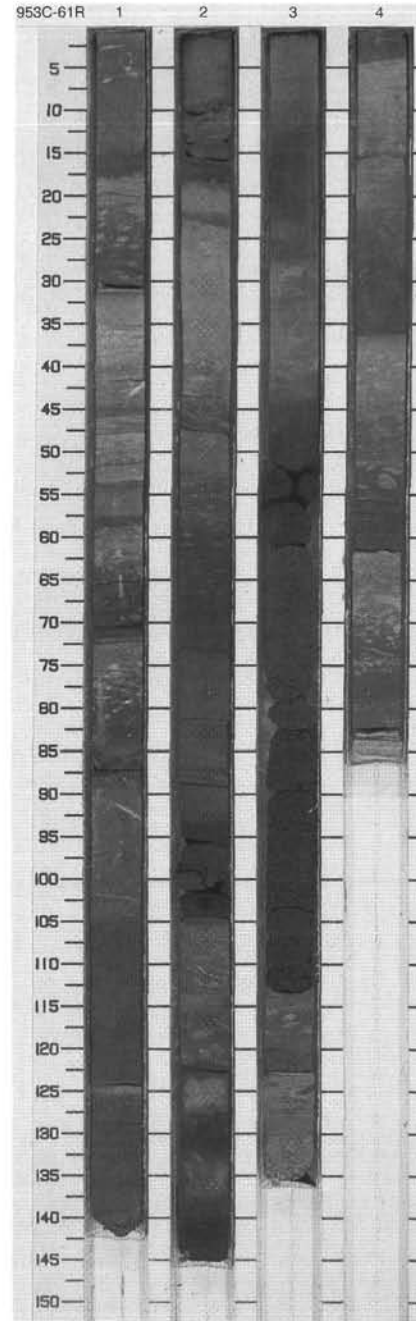
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|--|---------------|---------|----------------|-------------|---------|--------|---------------------|---|
| 1 | [Symbol] | 1 | | ↑ F — ≡ ≡ ≡ | ⊥ | T | 5GY 2/1 | NANNOFOSSIL CLAYSTONE |
| 1-2 | [Symbol] | 2 | Middle Miocene | ↑ F — ≡ ≡ ≡ | ∇ | | 2.5Y N2/0 to 5Y 2/1 | Major Lithology: NANNOFOSSIL CLAYSTONE occurs as thin to medium bedded, moderately to strongly bioturbated beds that may grade downward into parallel-laminated and or cross-laminated SILTSTONE that have sharp bases. |
| 2-3 | [Symbol] | 3 | | ↑ F — ≡ ≡ ≡ | ∇ | | 2.5G 3/2 to 5G 2/1 | Minor Lithologies: NANNOFOSSIL CHALK occurs as thin bedded beds with planar-laminated, silty sharp base in Section 1, 46.5–53 and 77–81 cm. LAPILLISTONE occurs as poorly sorted bed with angular to subrounded, fine-grained volcanic clasts in Section 2, 138–150 cm, and Section 3, 0–19 cm. Green CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK with silty sharp base occurs in Section 2, 1–21 cm. |
| 3-4 | [Symbol] | 4 | | ↑ F — ≡ ≡ ≡ | ⊥ | | 5G 3/1 | |
| <p>General Description: This core consists of distinct interbeds of the major and minor lithologies.</p> | | | | | | | | |



SITE 953 HOLE C CORE 61R

CORED 754.1 - 763.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|------------------------------------|---|
| 1 | [Symbol] | 1 | middle Miocene | [Symbol] | | | 7.5GY 2.5/1 to 10Y 3/1 | NANNOFOSSIL CLAYSTONE and LAPILLISTONE Major Lithologies: NANNOFOSSIL CLAYSTONE occurs as thin to medium bedded, moderately to strongly bioturbated beds that may grade downward into parallel-laminated and/or cross-laminated SILTSTONE that have sharp bases. LAPILLISTONE occurs as poorly sorted, normally graded bed in Section 3, 52-114 cm. |
| 2 | [Symbol] | 2 | | [Symbol] | | | | |
| 3 | [Symbol] | 3 | | [Symbol] | | | 2.5G 3/2 to 10GY 4/2 | Minor Lithologies: NANNOFOSSIL CHALK grading downward to NANNOFOSSIL CLAYSTONE occurs in Section 1, 73-76 cm, Section 2, 23-47 cm, and Section 4, 0-5 cm. CALCAREOUS VITRIC CRYSTAL SANDSTONE occurs as very fine-grained, planar-laminated beds with sharp bases in Section 2, 15-18 and 85-89 cm, and Section 4, 15-22 cm. Planar-laminated CRYSTAL SILTSTONE occurs in Section 3, 45-52 cm. |
| 4 | [Symbol] | 4 | | [Symbol] | | T | | |
| 5 | [Symbol] | | | [Symbol] | | | | General Description: This core consists of distinct interbeds of the major and minor lithologies. Many of the major lithologies of volcanics have color changes in the upper parts. |



SITE 953 HOLE C CORE 62R

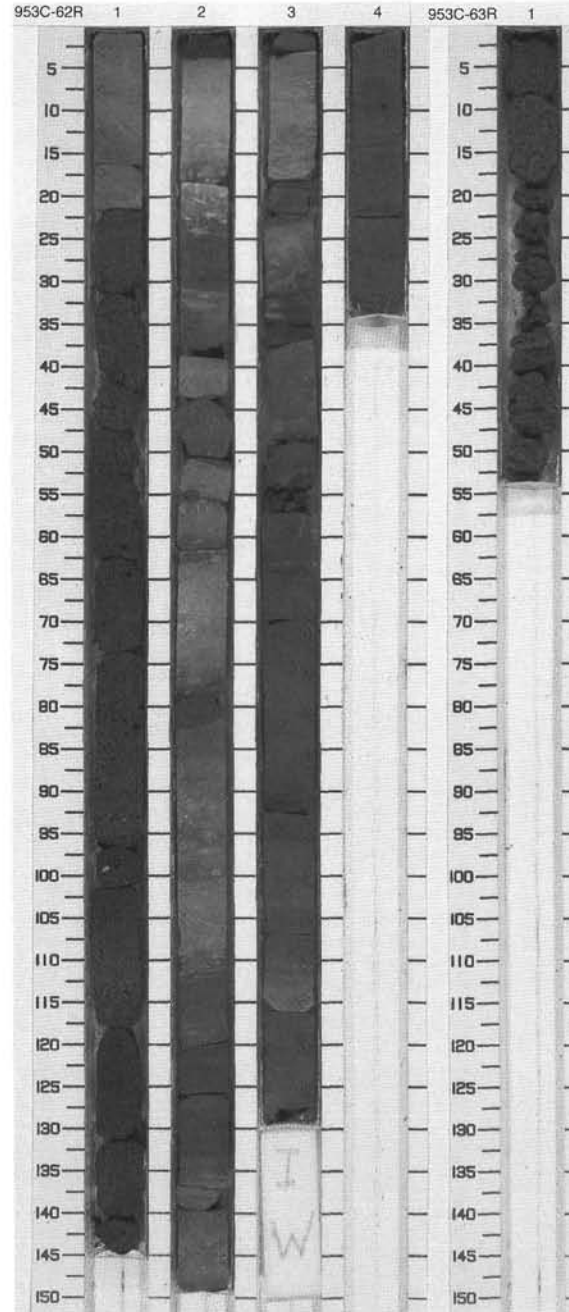
CORED 763.6 - 773.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | |
|-------|---------------|---------|----------------|-----------|---------|--------|-------------|--|-------------------------------|
| 1 | | 1 | middle Miocene | | | | 2.5Y 3/2 | <p>NANNOFOSSIL CLAYSTONE, CRYSTAL LITHIC SANDSTONE, and VITRIC TUFF</p> <p>Major Lithologies: NANNOFOSSIL CLAYSTONE occurs as thin to medium bedded, slightly to strongly bioturbated beds that may display planar-lamination, silty sharp or slightly erosive bases. CRYSTAL LITHIC SANDSTONE occurs as poorly sorted, thin planar beds. VITRIC TUFF occurs as planar- or cross-laminated fining upward beds or as thin beds in Section 3, 0-3 and 18-23 cm. It may contain small pumice fragments and crystals and grades up into NANNOFOSSIL CLAYSTONE.</p> <p>Minor Lithologies: CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK occurs in Section 3, 3-18 cm.</p> <p>General Description: This core consists of distinct interbeds of the major lithologies.</p> | |
| 2 | | 2 | | | | | | | 5GY 2/1 to 5Y 2/1 |
| 3 | | 3 | | | | | | | |
| 4 | | 4 | | | | T | IO | | |

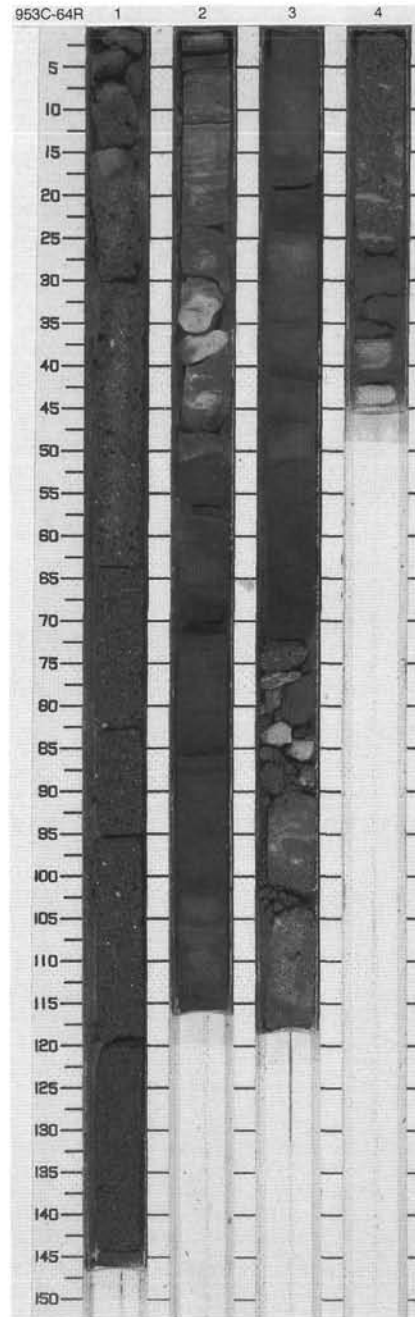
SITE 953 HOLE C CORE 63R

CORED 773.1 - 782.8 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-----|-----------|---------|--------|------------|---|
| 0-3 | | 1 | | | V | T | 10Y 3/1 | <p>VITRIC LAPILLISTONE WITH CRYSTALS</p> <p>Major Lithology: VITRIC LAPILLISTONE WITH CRYSTALS occurs in this core. Lapilli consist of granules to small pebbles, subangular to subrounded pumice and minor black lithics.</p> <p>Minor Lithologies: NANNOFOSSIL CLAYSTONE occurs at top (Section 1, 0-3 cm).</p> |



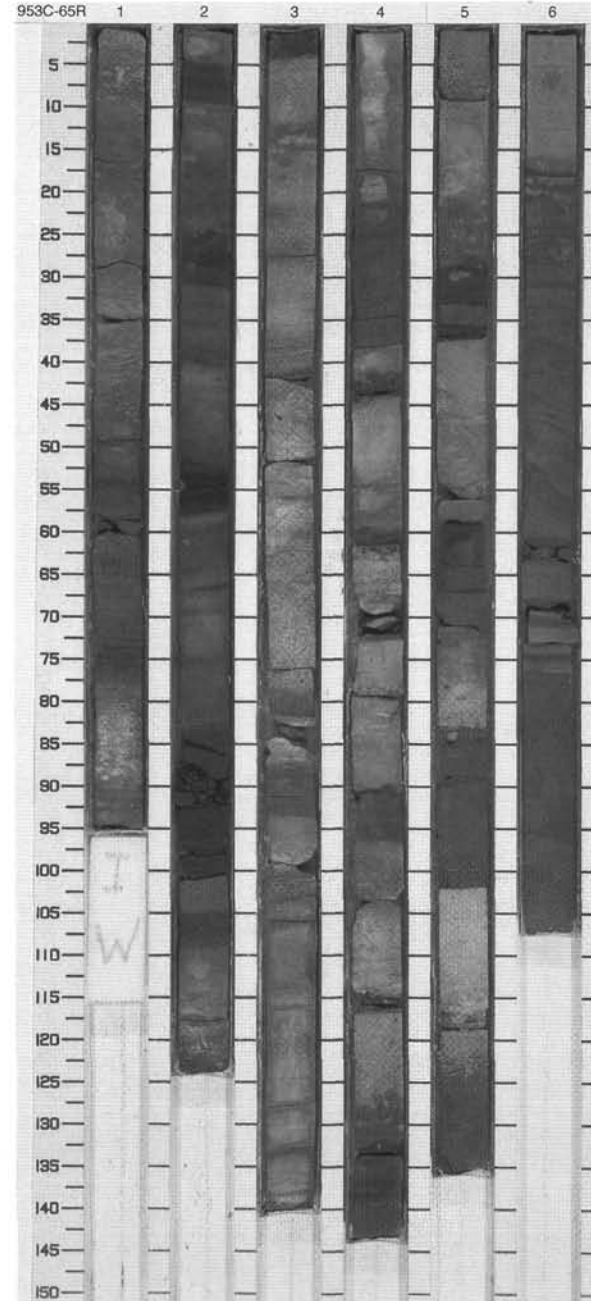
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | |
|-------|-------------------------|---------|----------------|-----------|---------|--------|-------|--|---|
| 0-1 | [Dotted pattern] | 1 | middle Miocene | ◆ | | T | | LAPILLISTONE, VITRIC TUFF, and CALCAREOUS VITRIC SILTSTONE | |
| 1-2 | [Horizontal lines] | 2 | | ↑ F >>> | | | | T | Major Lithologies: LAPILLISTONE occurs as medium- to thick-bedded, matrix-supported, poorly sorted, lithic and pumice rich, structureless beds. VITRIC TUFF occurs as fining upward interbeds of parallel-laminated, fine to coarse material with sharp bases. CALCAREOUS VITRIC SILTSTONE occurs as planar- or cross-laminated beds which have sharp bases. |
| 2-3 | [Cross-hatched pattern] | 3 | | ↑ F >>> | | | | T | Minor Lithologies: NANNOFOSSIL CLAYSTONE and CLAYSTONE WITH NANNOFOSSILS occurs as strongly bioturbated interbeds in Section 2, 0-5 and 11-35 cm. NANNOFOSSIL CHALK with silty base occurs in Section 2, 5-11 cm. |
| 3-4 | [Dotted pattern] | 4 | | ◆ | | | | T | |



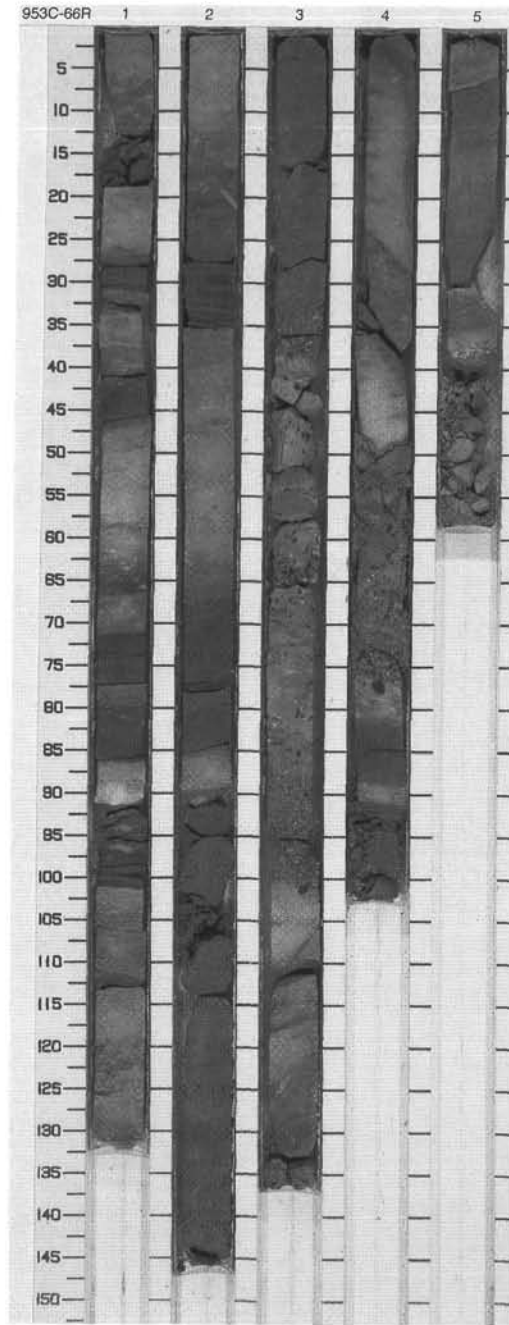
SITE 953 HOLE C CORE 65R

CORED 792.4 - 802.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|---------|--|--|
| 1 | [Symbol] | 1 | middle Miocene | ↑ F | | O1 | 7.5GY 2.5/1 | CALCAREOUS CLAYSTONE, VITRIC TUFF, and CALCAREOUS VITRIC SILTSTONE |
| 1 | [Symbol] | 1 | | ↑ F | | | 5GY 2/1 to 10Y 3/1 | Major Lithologies: CALCAREOUS CLAYSTONE, VITRIC TUFF, and CALCAREOUS VITRIC SILTSTONE occur as thin to medium bedded, moderately to strongly bioturbated beds with cross- and parallel-laminations and sharp bases. VITRIC TUFF beds commonly fine upward with sandstone bases, but some show coarsening upward sequences. |
| 2 | [Symbol] | 2 | | ↑ F | | 5GY 4/1 | Minor Lithologies: LITHIC VITRIC SANDSTONE occurs as thin, commonly parallel-laminated beds that may have sharp bases and typically grade up into the major lithologies. Some SILTSTONE may grade down into CRYSTAL LITHIC SANDSTONE. CHALK occurs as rare interbeds within the major lithologies. | |
| 2 | [Symbol] | 2 | | ↑ F | | | 7.5GY 2.5/1 | |
| 3 | [Symbol] | 3 | | ↑ F | ↑ C | 5GY 4/1 | | |
| 3 | [Symbol] | 3 | | ↑ F | ↑ C | | 10Y 3/1 | |
| 4 | [Symbol] | 4 | ↑ F | | 5GY 4/1 | | | |
| 4 | [Symbol] | 4 | ↑ F | | | | | |
| 5 | [Symbol] | 5 | ↑ F | | 5GY 4/1 | | | |
| 5 | [Symbol] | 5 | ↑ F | | | | | |
| 6 | [Symbol] | 6 | ↑ F | | 10Y 3/1 | | | |
| 6 | [Symbol] | 6 | ↑ F | | | | | |
| 7 | [Symbol] | | | | T | | | |



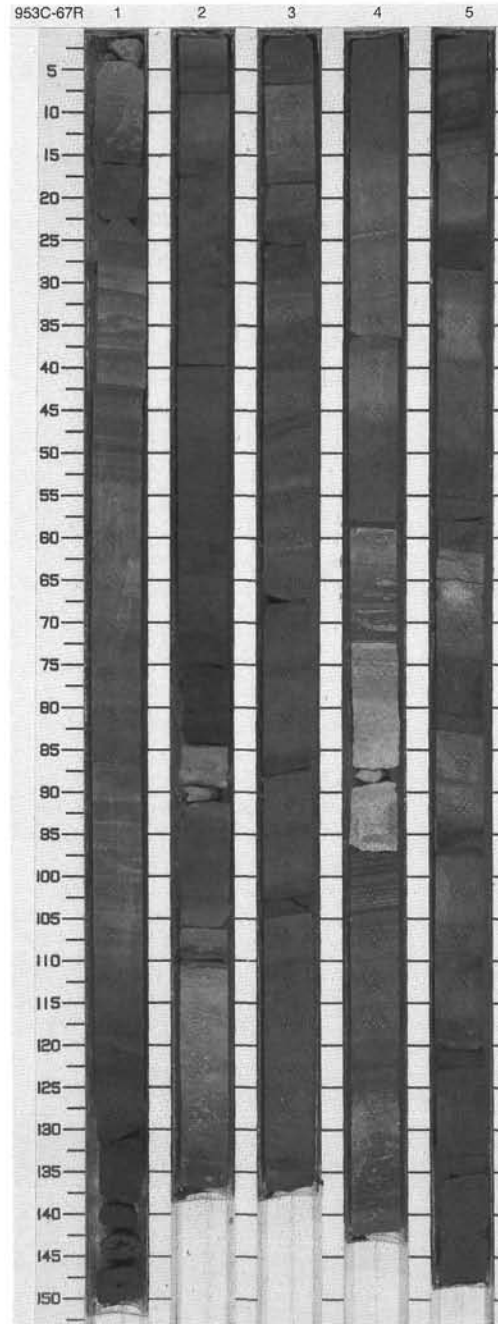
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|---------------------------------|--|
| 1 | | 1 | middle Miocene | | T | | 5GY 4/1 to 10Y N4/0 | CALCAREOUS CLAYSTONE, LITHIC SANDSTONE, VITRIC TUFF, and LAPILLISTONE AND CLAYEY MIXED SEDIMENTARY ROCK |
| 2 | | 2 | | | | | | |
| 3 | | 3 | | | | | | |
| 4 | | 4 | | | | | | |
| 5 | | 5 | | | | | | |
| | | | | | | | | Major Lithologies: This core consists of interbedded CALCAREOUS CLAYSTONE, LITHIC SANDSTONE, VITRIC TUFF, and LAPILLISTONE AND CLAYEY MIXED SEDIMENTARY ROCK. These lithologies occur as thin to medium bedded, moderately to strongly bioturbated beds that may grade downward into thin parallel-laminated siltstone and sandstone that have sharp bases. The LAPILLISTONE AND CLAYEY MIXED SEDIMENTARY ROCK unit consists of a chaotic mixture of these two lithologies occurring in Section 3, 34-103 cm. |
| | | | | | | | | Minor Lithology: Minor CHALK is interbedded within the major lithologies. |



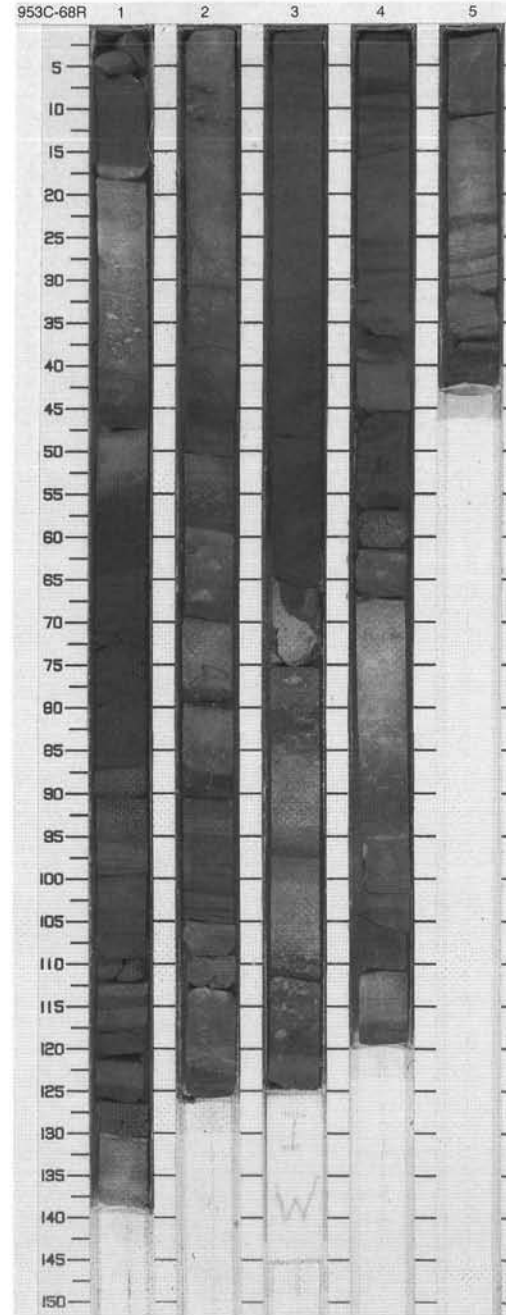
SITE 953 HOLE C CORE 67R

CORED 811.7 - 821.4 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|--------------------|--|
| 1 | [Pattern] | 1 | | [Symbol] | | | 10Y 3/1 | <p>VITRIC SILTSTONE, CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, and LITHIC CRYSTAL SANDSTONE</p> <p>Major Lithologies: VITRIC SILTSTONE, LITHIC CRYSTAL SANDSTONE, and CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK occur as thin to medium bedded, moderately to strongly bioturbated beds that may grade downward into thin, parallel-laminated siltstone and sandstone that have sharp bases. LITHIC CRYSTAL SANDSTONE occurs as thin to medium, commonly normally graded interbeds that may be parallel-laminated.</p> <p>Minor Lithology: Minor CHALK occur as interbeds within the major lithologies.</p> |
| 2 | [Pattern] | 2 | | [Symbol] | | T | | |
| 3 | [Pattern] | 3 | | [Symbol] | | | 10Y 3/1 to 5GY 2/1 | |
| 4 | [Pattern] | 4 | Middle Miocene | [Symbol] | | | | |
| 5 | [Pattern] | 5 | | [Symbol] | | | 10Y 3/1 | |
| 6 | [Pattern] | 6 | | [Symbol] | | | 10Y 3/1 to 5GY 2/1 | |
| 7 | [Pattern] | 7 | | [Symbol] | | | | |



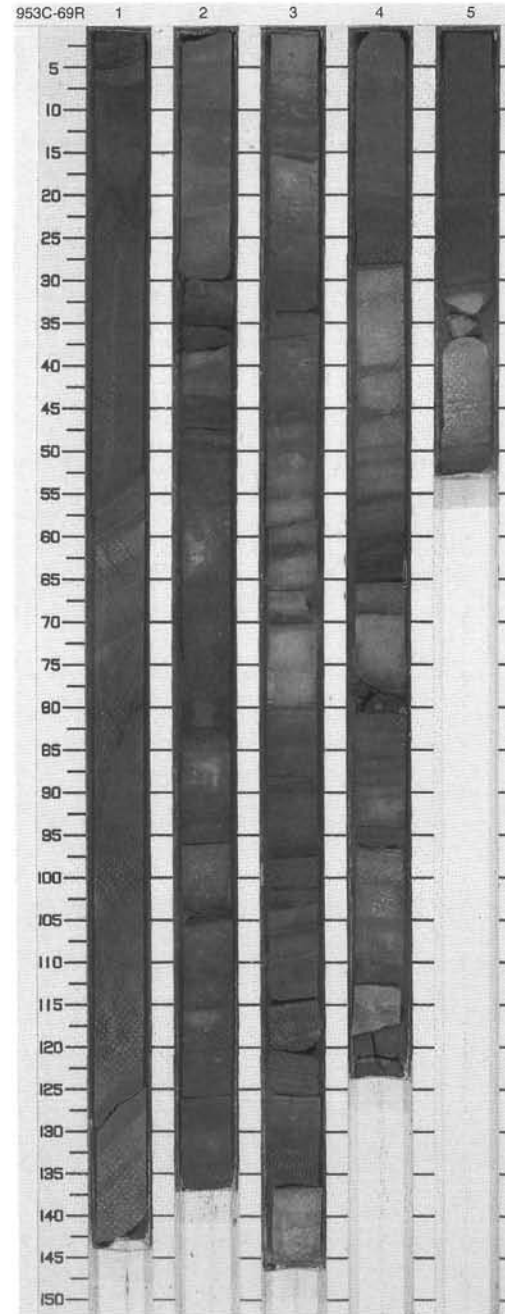
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------|-----------|---------|--------|-------------------------|---|
| 1 | [Pattern] | 1 | | [Symbol] | | S | | NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CHALK WITH FORAMINIFERS, and CRYSTAL LITHIC SANDSTONE Major Lithologies: NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CHALK WITH FORAMINIFERS, and CRYSTAL LITHIC SANDSTONE occur as thin to medium bedded, moderately to strongly bioturbated beds that may grade downward into thin, parallel-laminated siltstone and sandstone that have sharp bases. LITHIC CRYSTAL VITRIC SANDSTONE occurs as thin to thick, commonly massive, normally graded interbeds that may be partly parallel laminated. |
| 2 | [Pattern] | 2 | | [Symbol] | | S | 10Y 2.5/1 to 5GY N2.5/0 | |
| 3 | [Pattern] | 3 | Miocene | [Symbol] | | S | | |
| 4 | [Pattern] | 4 | | [Symbol] | | S | | |
| 5 | [Pattern] | 5 | | [Symbol] | | S | 5GY 2/1 to 5G 3/1 | |



SITE 953 HOLE C CORE 69R

CORED 831.1 - 840.8 mbsf

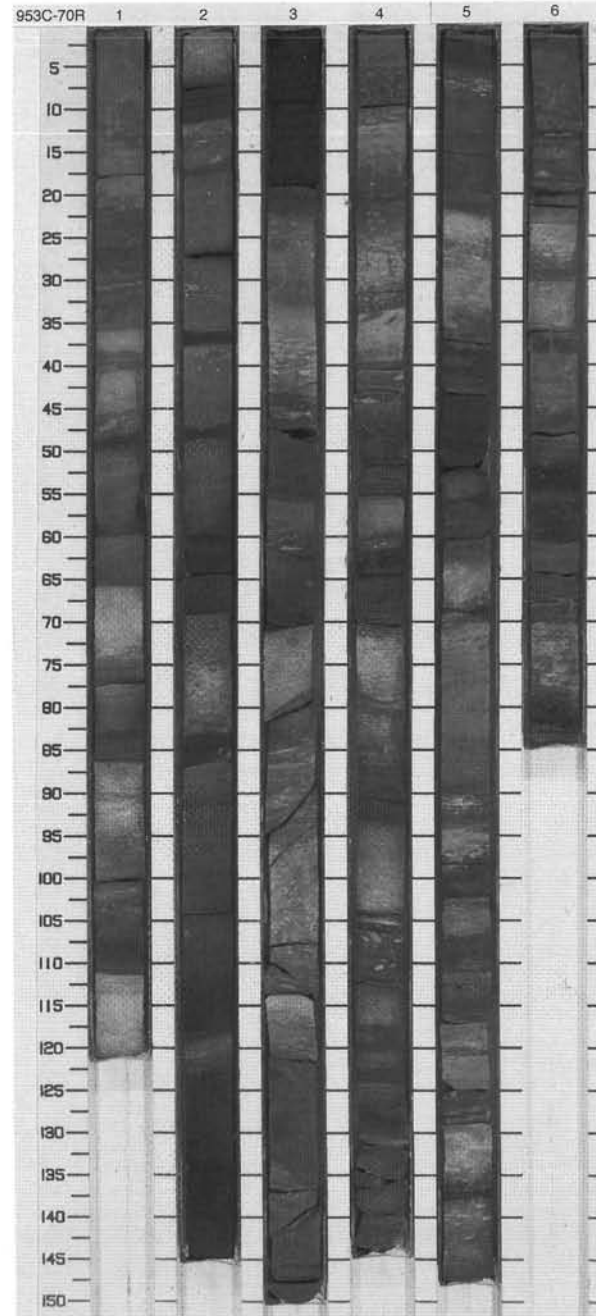
| Meter | Graphic Lith. | Section Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|-------------|-----------|---------|--------|--------------------|--|
| 1 | [Pattern] | 1 | [Symbol] | | | 2.5Y N3/0 | <p>SILTY NANNOFOSSIL CLAYSTONE, VITRIC LITHIC SANDSTONE, VITRIC SILTSTONE, and NANNOFOSSIL MIXED SEDIMENTARY ROCK</p> <p>Major Lithologies: SILTY NANNOFOSSIL CLAYSTONE, VITRIC LITHIC SANDSTONE, VITRIC SILTSTONE, and NANNOFOSSIL MIXED SEDIMENTARY ROCK occur as thin to medium bedded, moderately to strongly bioturbated beds that may grade downward into thin parallel-laminated siltstone and sandstone that have sharp bases.</p> <p>Minor Lithologies: Interbeds of VITRIC LITHIC TUFF and CHALK occur within the major lithologies.</p> |
| 2 | [Pattern] | 2 | [Symbol] | | | 5GY 2/1 | |
| 3 | [Pattern] | 3 | [Symbol] | | | 5GY 2/1 to 10Y 3/1 | |
| 4 | [Pattern] | 4 | [Symbol] | | | 5GY 2/1 | |
| 5 | [Pattern] | 5 | [Symbol] | | | 5GY 2/1 to 10Y 3/1 | |
| 6 | [Pattern] | | [Symbol] | | | 5GY 3/1 | |



SITE 953 HOLE C CORE 70R

CORED 840.8 - 850.4 mbsf

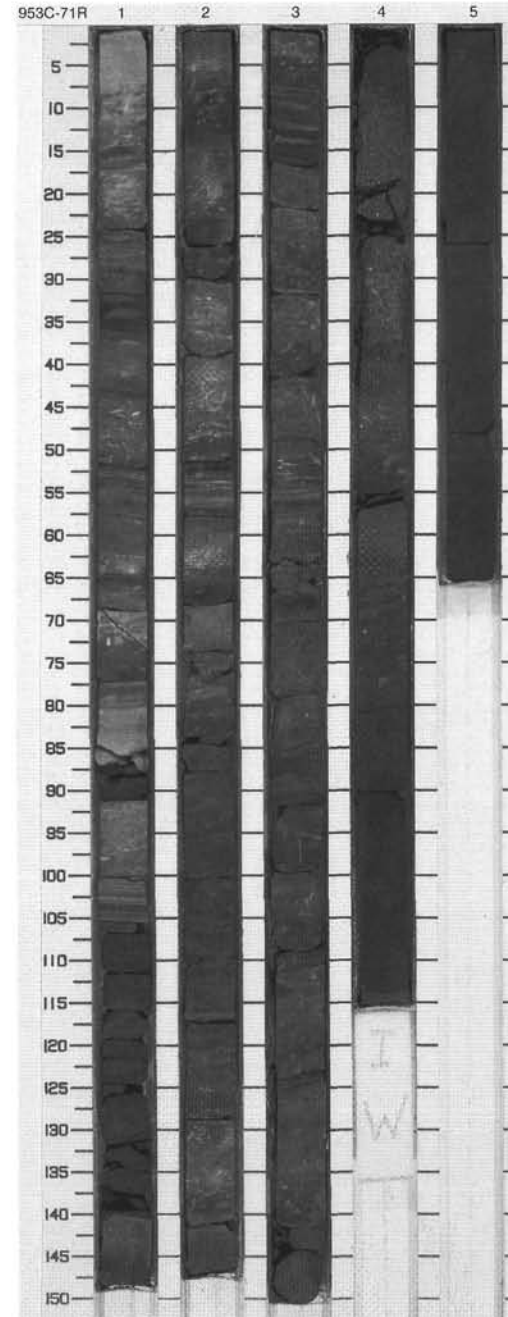
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|---------------------|---|
| 1 | [Pattern] | 1 | | [Symbol] | | T | 5GY 3/1 | <p>NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, NANNOFOSSIL CHALK WITH FORAMINIFERS, and VITRIC SILTSTONE</p> <p>Major Lithologies: NANNOFOSSIL MIXED SEDIMENTARY ROCK, NANNOFOSSIL CLAYSTONE, NANNOFOSSIL CHALK WITH FORAMINIFERS, and VITRIC SILTSTONE occur as thin to medium bedded, moderately to strongly bioturbated beds that may grade downward into thin, parallel-laminated siltstone and sandstone that have sharp bases.</p> <p>Minor Lithologies: Interbeds of CHALK and LITHIC CRYSTAL SANDY SILTSTONE occur throughout the major lithologies.</p> |
| 2 | [Pattern] | 2 | | [Symbol] | | T | 5GY 2/1 to 10Y N4/0 | |
| 3 | [Pattern] | 3 | | [Symbol] | | T | 5GY 2/1 to 5Y 2/1 | |
| 4 | [Pattern] | 4 | Middle Miocene | [Symbol] | | | 5GY 4/1 | |
| 5 | [Pattern] | 5 | | [Symbol] | | | 5GY 3/1 to 10Y 3/1 | |
| 6 | [Pattern] | 6 | | [Symbol] | | | | |



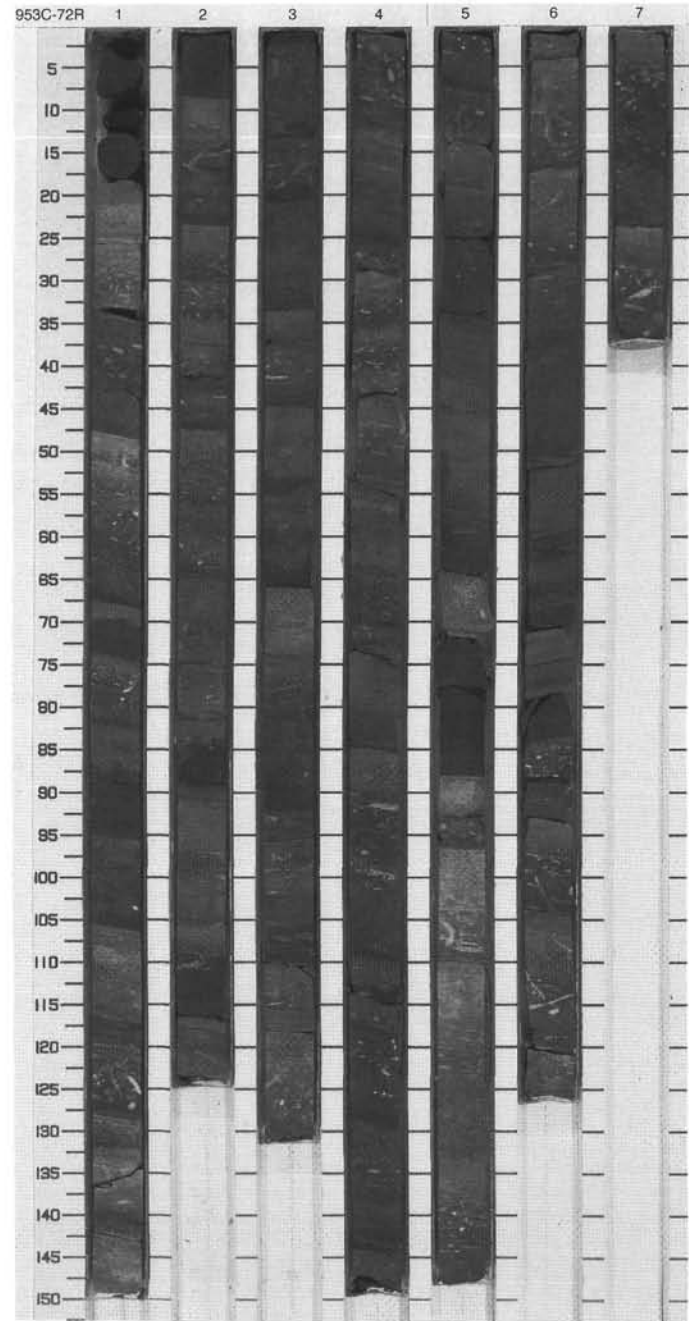
SITE 953 HOLE C CORE 71R

CORED 850.4 - 860.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|-----------------------------------|---|
| 1 | | 1 | | ↑ F | | | 10GY 2.5/0 to 5G 2/1 | CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK, CLAYSTONE, LAPILLISTONE, and CRYSTAL LITHIC SANDSTONE |
| 2 | | 2 | | ↑ F | | | 10YR 3/1 to 2.5Y N2/0 | Major Lithologies: CLAYEY NANNOFOSSIL MIXED SEDIMENTARY ROCK and CLAYSTONE occur as thin to medium thickness, generally strongly bioturbated beds that may grade down to thin, commonly parallel-laminated siltstone or CRYSTAL LITHIC SANDSTONE bands that have sharp bases. LAPILLISTONE occurs as a polymict, normally graded bed containing a variety of volcanic clasts in Section 4, 0-39 cm. CRYSTAL LITHIC SANDSTONE occurs as thin interbeds that may grade upward to siltstone, and as thick, massive, crudely parallel-laminated beds in Section 4, 62-114 cm, and Section 5, 0-66 cm. |
| 3 | | 3 | middle Miocene | | | | 2.5Y 3/2 to 10YR 2/1 | |
| 4 | | 4 | | | | | 10GY 2.5/0 | Minor Lithology: SILTSTONE occurs as thin, commonly parallel-laminated beds that may have sharp bases and typically grade into the major lithologies. |
| 5 | | 5 | | | | | 5YR 2/1 to 2.5Y N2/0 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Apart from the sandstones, the sediments are extensively bioturbated. |



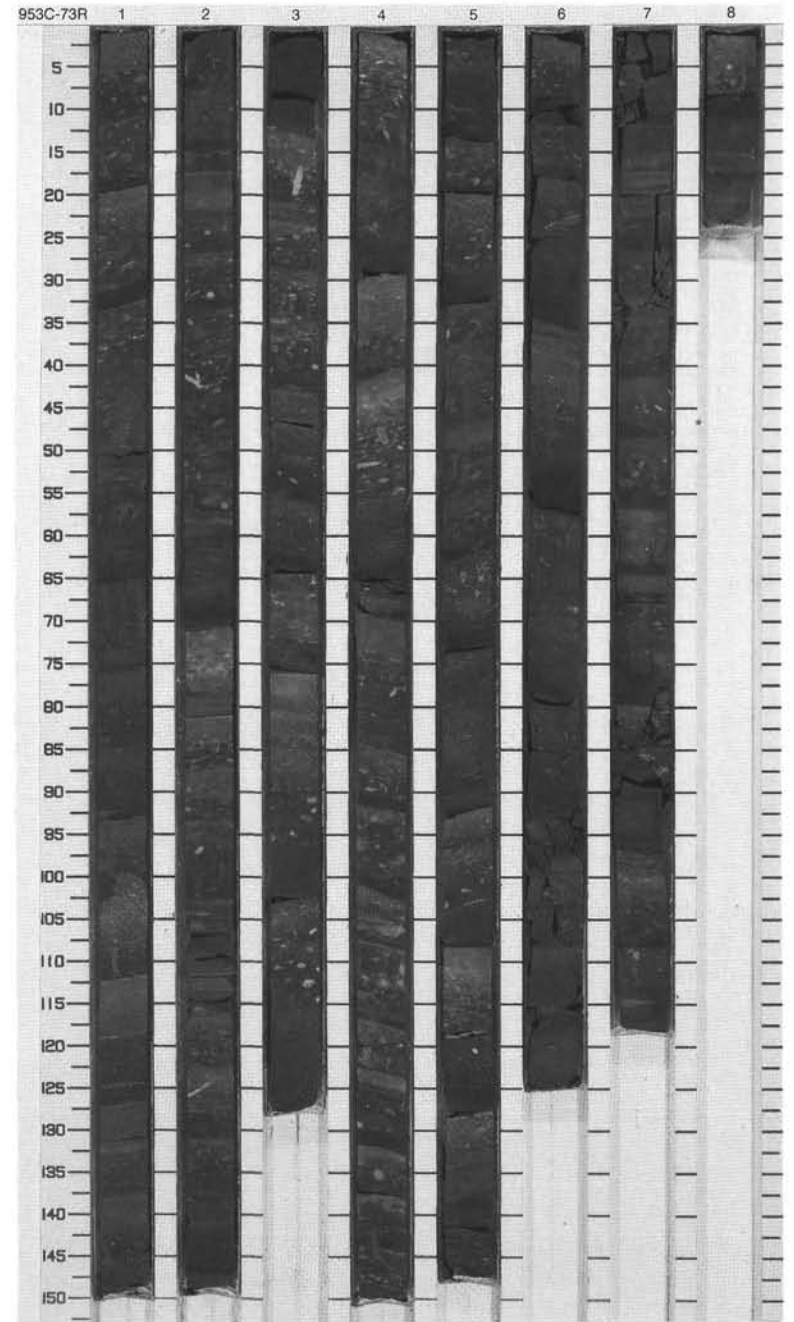
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|----------------------------------|---|---|
| 1 | [Symbol] | 1 | middle Miocene | [Symbol] | ⊥ | S | 5G 2/1 to 5GY 4/1 | CLAYSTONE WITH NANNOFOSSILS, NANNOFOSSIL CLAYSTONE, CLAYEY NANNOFOSSIL MIXED SEDIMENT, and LITHIC CRYSTAL SANDSTONE |
| 2 | [Symbol] | 2 | | [Symbol] | | | 5G 2/1 to 10Y 3/1 | Major Lithologies: CLAYSTONE WITH NANNOFOSSILS, NANNOFOSSIL CLAYSTONE, and CLAYEY NANNOFOSSIL MIXED SEDIMENT occur as thin to medium-thick, generally strongly bioturbated beds that may grade down to thin, commonly parallel-laminated siltstone or LITHIC CRYSTAL SANDSTONE beds that have sharp bases. LITHIC CRYSTAL SANDSTONE occurs as thin interbeds, and as a medium-thick, normally graded bed in Section 5, 33-64 cm. |
| 3 | [Symbol] | 3 | | [Symbol] | | 2.5Y N2/0 to 10Y 3/1 | Minor Lithologies: SILTSTONE occurs as thin, commonly parallel-laminated beds that may have sharp bases and typically grade into major lithologies. A black massive LITHIC CRYSTAL TUFF composed of sand-sized volcanoclastic grains occurs in Section 1, 0-18 cm. | |
| 4 | [Symbol] | 4 | | [Symbol] | | | 5Y 2/1 | General Description: This core consists of distinct interbeds of the major and minor lithologies. Apart from the sandstones, the sediments are extensively bioturbated. |
| 5 | [Symbol] | 5 | | [Symbol] | | | | |
| 6 | [Symbol] | 6 | | | | | | |
| 7 | [Symbol] | 7 | | | | | | |



SITE 953 HOLE C CORE 73R

CORED 869.7 - 879.4 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-----|-----------|---------|--------|-----------------------|---|
| 1 | | 1 | | | | T | 5Y 3/1 to 2.5G 2.5/0 | <p>CALCAREOUS SILTY CLAYSTONE</p> <p>Major Lithology: CALCAREOUS SILTY CLAYSTONE occurs as thin to medium thickness, generally moderately bioturbated beds that typically grade down into commonly thin silty claystone, clayey siltstone, siltstone and lithic sandstone with crystals that have sharp bases.</p> |
| 2 | | 2 | | | | T | 10GY 2.5/0 to 10Y 3/1 | <p>Minor Lithologies: SILTY CLAYSTONE, CLAYEY SILTSTONE, SILTSTONE and LITHIC SANDSTONE WITH CRYSTALS occur as thin, commonly cross- and planar-laminated interbeds that typically grade up into the major lithology. Some beds show contorted laminae and may show normal grading.</p> |
| 3 | | 3 | | | | T | 10Y 3/1 to 5G 2/1 | |
| 4 | | 4 | | | | T | 2.5G 2.5/0 to 5Y 3/1 | <p>General Description: This core consists of a repetitive sequence of stacked beds of alternating major and minor lithologies.</p> |
| 5 | | 5 | | | | | | |
| 6 | | 6 | | | | | | |
| 7 | | 7 | | | | | | |
| 8 | | 8 | | | | | | |



SITE 953 HOLE C CORE 74R

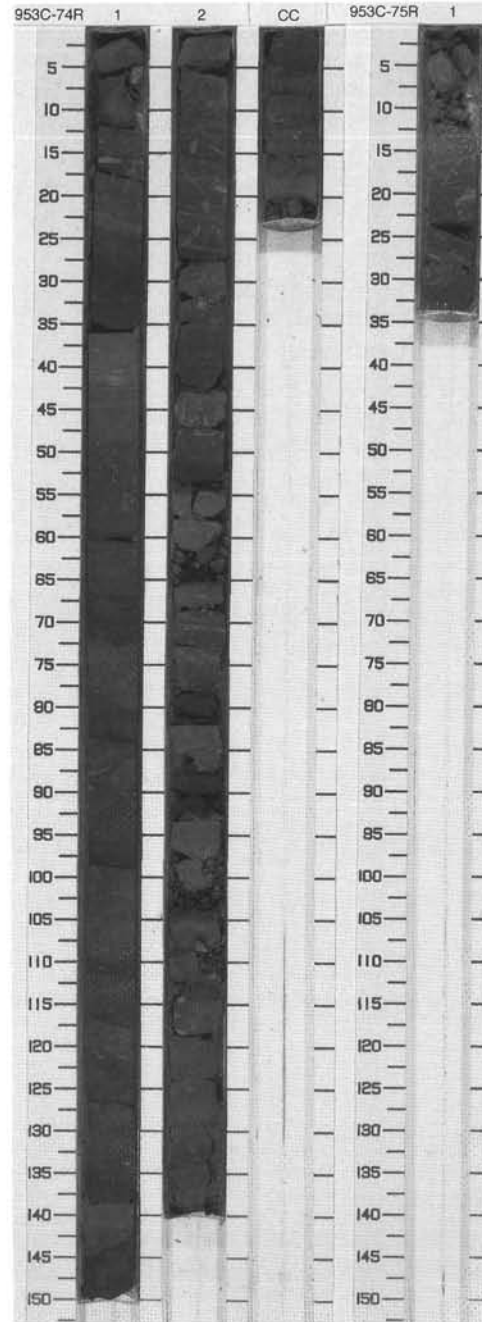
CORED 879.4 - 889.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|----------|--------|----------------------------------|--|
| 1 | [Symbol] | 1 | middle Miocene | [Symbol] | [Symbol] | | 5BG 4/1 to 5Y 2/1 | <p>CALCAREOUS CLAYSTONE and CLAYSTONE</p> <p>Major Lithologies: CALCAREOUS CLAYSTONE occurs as thin to medium thickness, moderately bioturbated beds that grade down into LITHIC SILTSTONE WITH CRYSTALS that have sharp bases. Moderately bioturbated CLAYSTONE occurs as thin beds usually grading downward to SILTSTONE and LITHIC SILTSTONE that have sharp bases.</p> <p>Minor Lithologies: SILTSTONE occurs in Section 1, 84 cm. LITHIC SILTSTONE WITH CRYSTALS occurs as thin fining upward, graded, planar- or cross-laminated beds in Section 1, 72, 96-99, and 150 cm.</p> <p>General Description: This core consists of a repetitive sequence of stacked beds of alternating major and minor lithologies.</p> |
| 2 | [Symbol] | 2 | | [Symbol] | [Symbol] | | 10GY 2.5/0 to 5Y 2/1 | |
| 3 | [Symbol] | CC | | | | | | |

SITE 953 HOLE C CORE 75R

CORED 889.1 - 898.7 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|------------|-----------|----------|--------|----------------------------------|--|
| | [Symbol] | 1 | m. Miocene | [Symbol] | [Symbol] | | 4Y 3/0.5 to 2G 2/0.4 | <p>CALCAREOUS CLAYSTONE WITH FORAMINIFERS</p> <p>Major Lithology: Strongly disrupted CALCAREOUS CLAYSTONE WITH FORAMINIFERS.</p> <p>Minor Lithologies: Strongly bioturbated CLAYSTONE occurs in Section 1, 15-29 cm. Moderate to poorly sorted, medium- to coarse-grained LITHIC SANDSTONE containing basaltic lithic grains occurs in Section 1, 29-34 cm.</p> |
| | | | | | | | | |



SITE 953 HOLE C CORE 76R CORED 898.7 - 908.3 mbsf

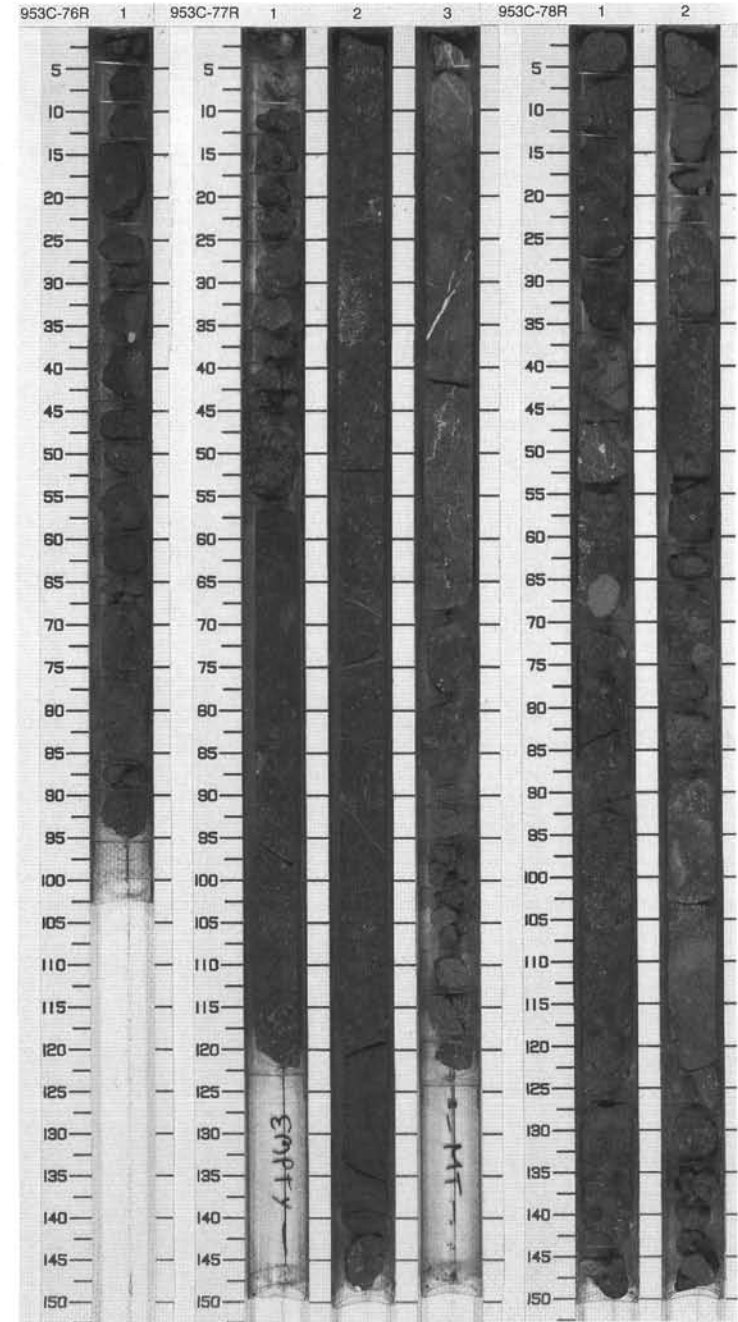
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|-------------|-----------|---------|--------|----------------|---|
| 0-1 | | 1 | Middle Mio. | | | T | 7.5GY 2.5/1 | LITHIC BRECCIA Major Lithology: LITHIC BRECCIA occurs as a structureless, very poorly sorted deposit and ranges from clay-grade to pebble in grain size. Basalt fragments form the main clast type. Vesicular, aphyric basaltic fragments are common. |

SITE 953 HOLE C CORE 77R CORED 908.3 - 918.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|-------|--|
| 0-1 | | 1 | Middle Miocene | | | T | | BASALTIC LAPILLISTONE Major Lithology: BASALTIC LAPILLISTONE occurs as a matrix-supported, massive sequence. Basaltic clasts are poorly to moderately vesiculated, angular to subrounded, and finer fraction might be palagonitized. Fractured veinlets with calcite are common. |
| 1-2 | | 2 | | | | | | |
| 2-3 | | 3 | | | | | | |

SITE 953 HOLE C CORE 78R CORED 918.0 - 927.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|----------------|-----------|---------|--------|------------------|--|
| 0-1 | | 1 | Middle Miocene | | | | 2.6YR 2.6/0.1 | BASALTIC LAPILLISTONE Major Lithology: BASALTIC LAPILLISTONE occurs as a matrix-supported, ungraded massive sequence. Basaltic clasts have pebble to cobble size and are aphyric to vesiculated and subangular to subrounded. |
| 1-2 | | 2 | | | | | 6.1Y 2.3/0.2 | |
| 2-3 | | 3 | | | | | 9.6GY 2.5/0.5 | Minor Lithologies: PYROXENE PHYRIC BASALT occurs in Section 1, 0-5 cm. BASALTIC PILLOW FRAGMENT occurs in Section 1, 16-27 cm. GABBRO BRECCIA occurs in Section 2, 35 and 50 cm. APHYRIC BASALT with chilled margin occurs in Section 2, 95-102 cm. |
| 3-4 | | | | | | | 3.9YR 3.5/0.4 | |



SITE 953 HOLE C CORE 79R

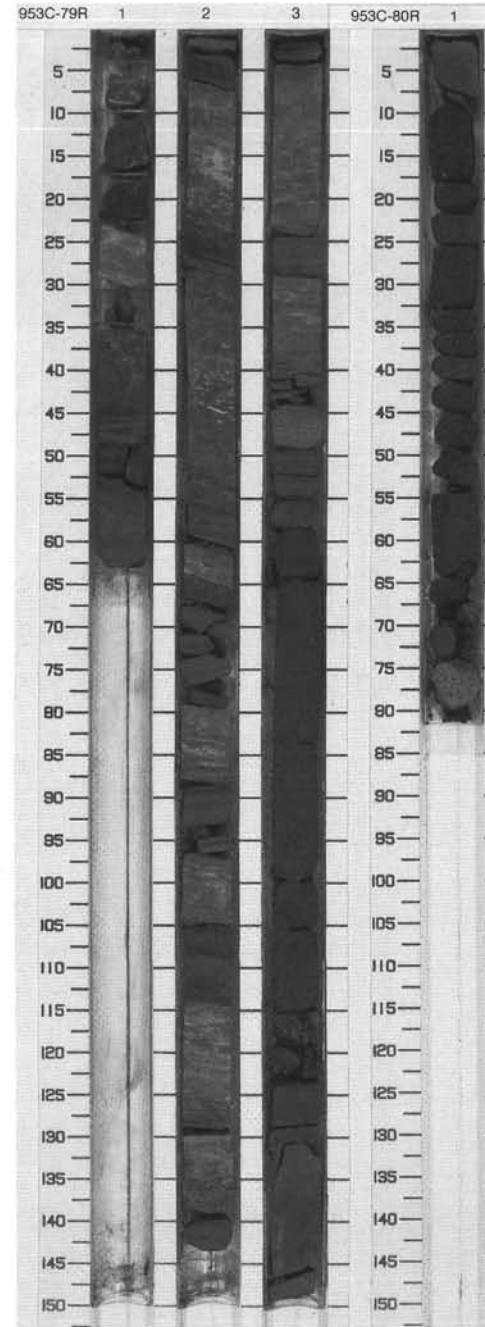
CORED 927.6 - 937.2 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|----------------|---------------|---------|-----|-----------|----------|--------------|-------|---|
| 1 | [Pattern] | 1 | ↑ F | [Symbol] | [Symbol] | 8GY 1/0.2 | | <p>NANNOFOSSIL MIXED SEDIMENTARY ROCK and LITHIC CRYSTAL SANDSTONE</p> <p>Major Lithologies: NANNOFOSSIL MIXED SEDIMENTARY ROCK occurs as thin to medium thickness, generally heavily bioturbated beds that typically grade down into commonly thin planar- and/or cross-laminated lithic crystal sandstone or siltstone that have sharp bases.</p> |
| 2 | [Pattern] | 2 | ↑ F | [Symbol] | [Symbol] | 9G 2/0.4 | | |
| 3 | [Pattern] | 3 | ↑ F | [Symbol] | [Symbol] | 3GY 3/0.4 | | |
| middle Miocene | | | | | | | | |
| 3 | [Pattern] | 3 | ↑ F | [Symbol] | [Symbol] | 3G 2/0.2 | | <p>Minor Lithologies: CLAYSTONE with heavy bioturbation occurs in Section 1, 3–23 cm. CLAYSTONE WITH NANNOFOSSILS occurs in Section 3, 0–3 and 114 cm. LITHIC CRYSTAL SILTSTONE occurs as thin- to medium-bedded, commonly planar- or cross-laminated interbeds with sharp bases. Some beds show normal grading.</p> <p>General Description: This core consists of distinct interbeds of the major and minor lithologies.</p> |
| | | | ↑ F | [Symbol] | [Symbol] | 9Y 2/0.3 | | |

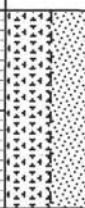
SITE 953 HOLE C CORE 80R

CORED 937.2 - 946.8 mbsf

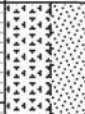
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------------|---------------|---------|-----|-----------|----------|--------------|-------|--|
| | [Pattern] | 1 | ↑ F | [Symbol] | [Symbol] | 9Y 2/0.3 | | <p>LITHIC CRYSTAL SANDSTONE</p> <p>Major Lithology: Coarse LITHIC CRYSTAL SANDSTONE occurs in this core and contains a 6-cm-diameter, pyroxene phyric basaltic lava fragment.</p> <p>Minor Lithologies: LITHIC CRYSTAL SILTSTONE with faint laminations and sharp base occurs in Section 1, 0–7 cm. CLAYSTONE WITH NANNOFOSSILS occurs in Section 1, 8–9 cm.</p> |
| | | | ↑ F | [Symbol] | [Symbol] | 4BG 2/0.4 | | |
| middle Mio. | | | | | | | | |

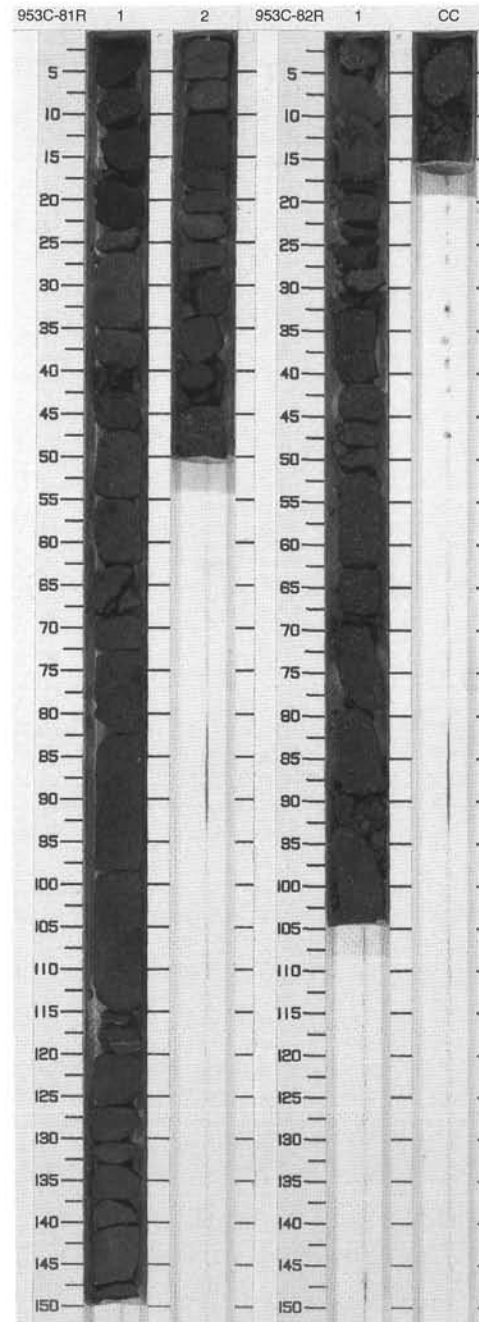


SITE 953 HOLE C CORE 81R CORED 946.8 - 956.4 mbsf

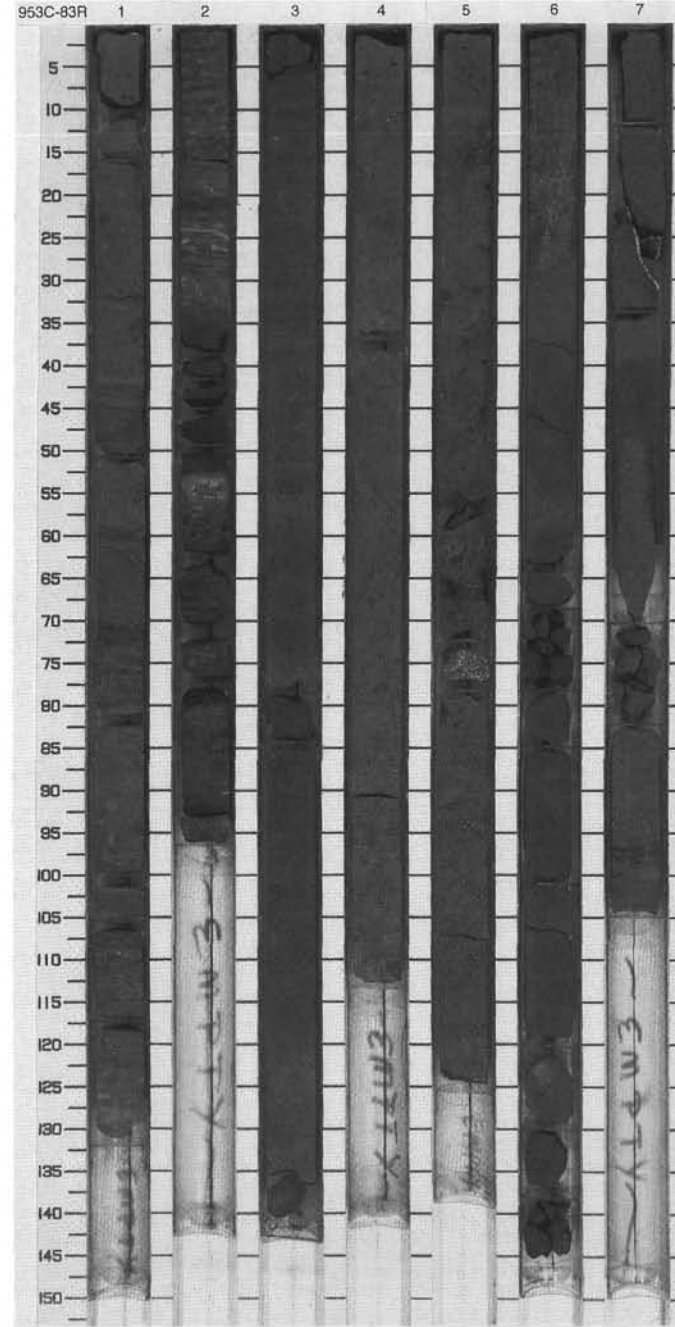
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|--------|---|---------|----------------|-----------|---------|--------|------------------|--|
| 1 2 |  | 1 | middle Miocene | | | | 3PB 1.5/0.5 | BASALTIC LAPILLISTONE Major Lithology: BASALTIC LAPILLISTONE occurs as a matrix-supported, ungraded, massive sequence. Angular to subangular basaltic clasts are granule to cobble size and are vesiculated. Clasts have an average diameter of 0.5 cm in Section 2. Veinlet of calcite occurs in Section 1, 119 cm. |
| | | 2 | | | | | 3.4BG 1.6/0.3 | |

SITE 953 HOLE C CORE 82R CORED 956.4 - 966.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---|---------|-------------|-----------|---------|--------|--|---|
| 1 |  | 1 | middle Mio. | | | T | 0.4BG 2/1 5.6BG 2/0 3.5BG 2/0 | BASALTIC LAPILLISTONE Major Lithology: BASALTIC LAPILLISTONE occurs as a matrix-supported, ungraded, massive sequence. Angular to subangular vesicular basaltic clasts are granule to pebble size. Vesicles are filled up by calcite. The matrix contains altered hyaloclastic glass particles. |

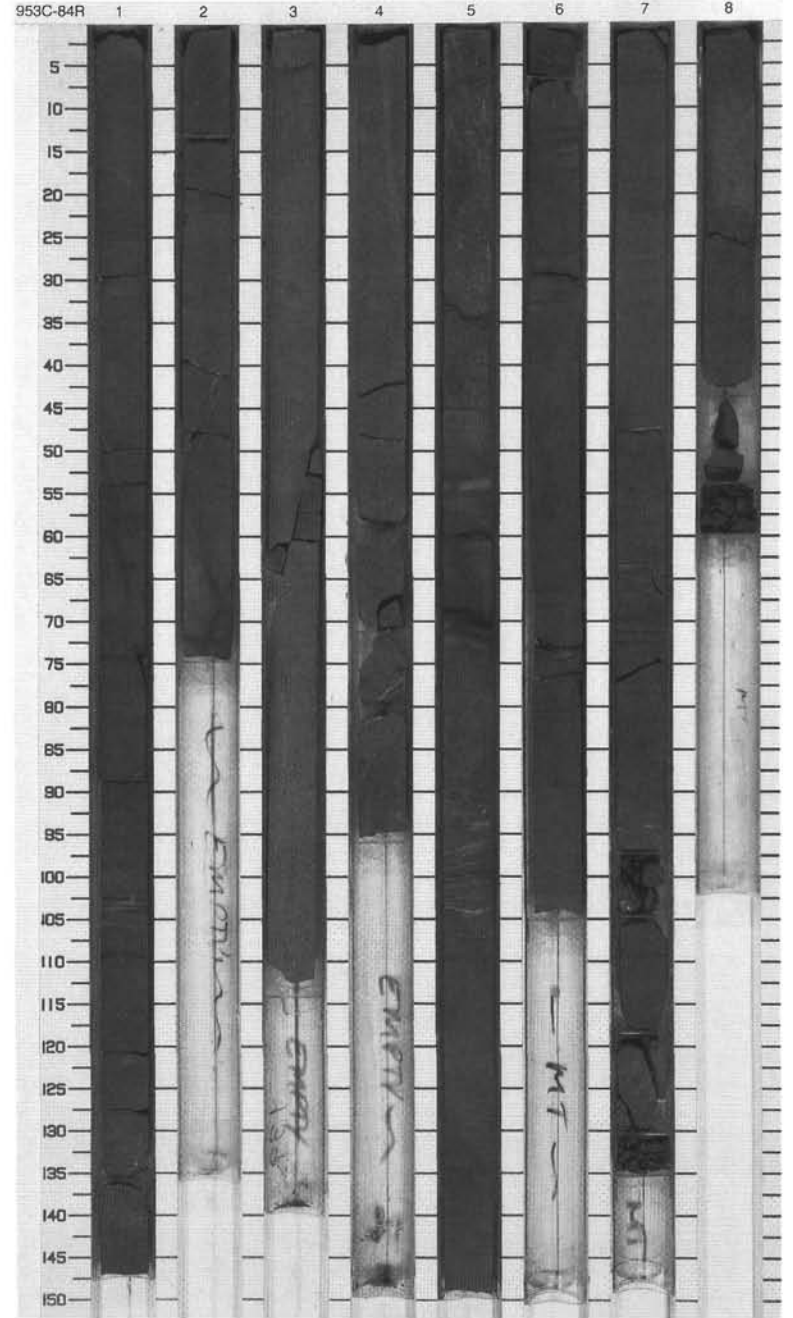


| Meter | Graphic Lith. | Section Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|-------------|------------|---------|--------|---|---|
| 1 | [Pattern] | 1 | [Symbol] | | S | 2.5G 3/0 to 5BG N3/0 | <p>CALCAREOUS CLAYSTONE and BASALTIC LAPILLISTONE</p> <p>Major Lithologies: CALCAREOUS CLAYSTONE occurs as thin to medium thickness, generally strongly bioturbated beds that typically grades down into thin CRYSTAL LITHIC SILTSTONE and SANDSTONE normally graded layers which have sharp or load-casted base. Zeolitization occurs in Section 1, 10-132 cm. BASALTIC LAPILLISTONE occurs as a matrix-supported, massive sequence with graded intervals. Basaltic clasts are angular and moderately vesiculated. Grain size varies from sand to granule. The matrix consists in hyaloclastic glass particles.</p> <p>Minor Lithologies: CRYSTAL LITHIC SANDSTONE occurs at base of CALCAREOUS CLAYSTONE intervals in Section 1, 17, 30-31, 41, 49-50, 61, 73, 75, 80, 81, 101, 104, 109, and 117 cm, Section 2, 35-52, 60-67, 72.5-73, and 77-80 cm. CRYSTAL LITHIC SILTSTONE occurs in Section 2, 0, 15, and 27-28 cm, and Section 2, 91-93 cm. Siltstones bands occur in Section 2, 85, 86, 89, and 91 cm.</p> |
| 2 | [Pattern] | 2 | [Symbol] | | S | 7.5G 2.5/0 | |
| 3 | [Pattern] | 3 | ↑ F | | T | <p>2.5G 2.5/0 to 10GY 2.5/0</p> | |
| 4 | [Pattern] | 4 | ◆ ↑ F | | T | | |
| 5 | [Pattern] | 5 | ◆ ↑ F | | T | | |
| 6 | [Pattern] | 6 | ↑ F | | T | | |
| 7 | [Pattern] | 7 | ↑ F ↑ C | | T | | |



SITE 953 HOLE C CORE 84R CORED 975.6 - 985.3 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|-------------------------|---------|---------------|---------------|---------|--------|---------------|---|
| 1 | [Cross-hatched pattern] | 1 | early Miocene | [Symbol] | T | T | 7.5G 2.5/0 | HYALOCLASTITE TUFF WITH LITHICS Major Lithology: HYALOCLASTITE TUFF WITH LITHICS occurs as medium to thick beds of moderately sorted, fine- to coarse-grained, planar- and cross-laminated fining upward sequences. Coarsening upward sequences are rare. Lithic fragments are primarily basaltic rock. Thin quartz veins are present in Section 1, 33-37, 90, and 130 cm, Section 2, 20 and 45 cm, and Section 4, 78 and 82 cm. |
| 2 | | | | 2.5G 2.5/0 | | | | |
| 3 | | | | 5G 3/1 | | | | |
| 4 | | | | 5G 2.5/1 | | | | |
| 5 | | | | 2.5G 2.5/0 | | | | |
| 6 | | | | S | | | | |
| 7 | | | | T | | | 7.5G 2.5/0 | |
| 8 | | | | | | | | |



SITE 953 HOLE C CORE 85R

CORED 985.3 - 995.0 mbsf

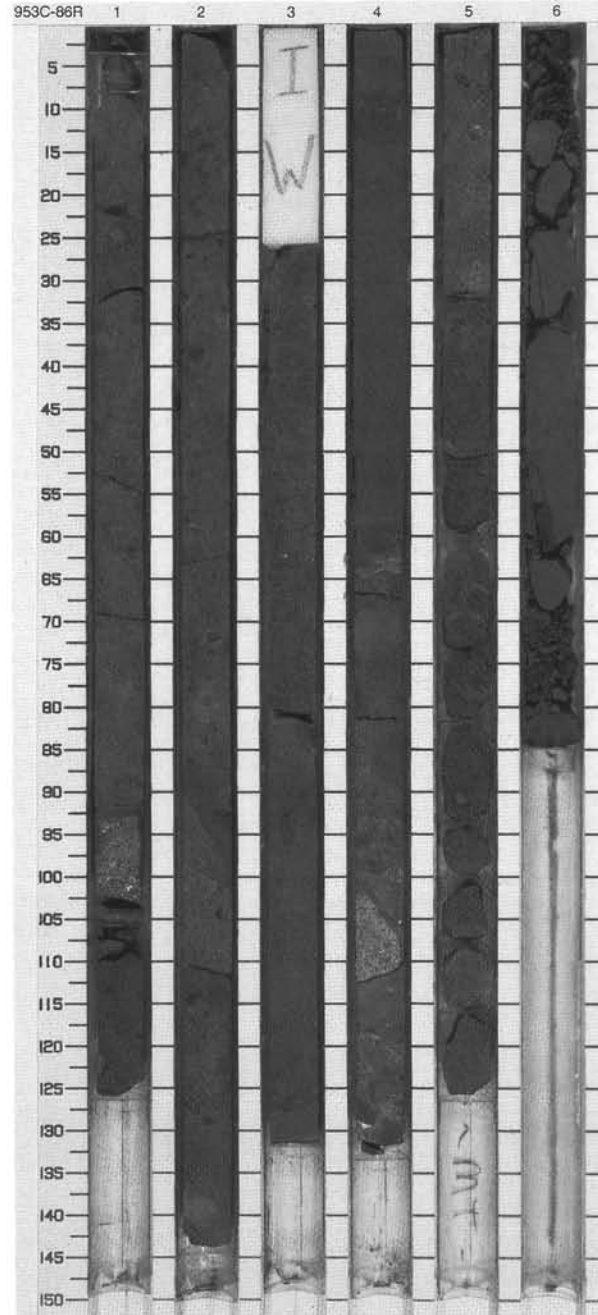
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------|-------------------------------------|--|
| 1 | | 1 | early Miocene | | | T | 2.5G 2.5/0 to 10G 2.5/1 | HYALOCLASTITE TUFF, HYALOCLASTITE TUFF BRECCIA, and BRECCIATED HYALOCLASTITE TUFF |
| 2 | | 2 | | | | | | |
| 3 | | 3 | | | | | | |

Major Lithologies:
 HYALOCLASTITE TUFF occurs as a moderately to poorly sorted, fine- to coarse-grained bed.
 HYALOCLASTITE TUFF BRECCIA occurs as a very thick units of lapilli tuff breccia in a matrix of fine-grained hyaloclastite. BRECCIATED HYALOCLASTITE TUFF consists of brecciated hyaloclastite. Thin quartz veins are present throughout the core.



SITE 953 HOLE C CORE 86R CORED 995.0 - 1004.6 mbsf

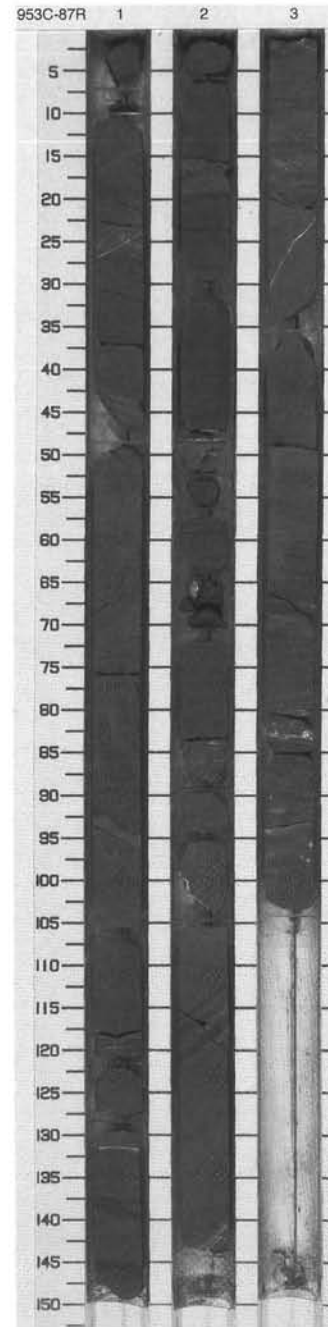
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------|--------------------------------------|--|
| 1 | [Pattern] | 1 | early Miocene | | | I | 2.5G 3/1 to 10G N3/0 | HYALOCLASTITE LAPILLISTONE and HYALOCLASTITE TUFF Major Lithologies: HYALOCLASTITE TUFF is coarse grained and is planar laminated. Lithic fragments are composed of vesicular basaltic rock fragments. HYALOCLASTITE LAPILLISTONE consists of angular to subangular vesicular basalt fragments. |
| 2 | [Pattern] | 2 | | | | | | |
| 3 | [Pattern] | 3 | | | | | 7.5G 2.5/0 | |
| 4 | [Pattern] | 4 | | | | | | |
| 5 | [Pattern] | 5 | | | | | 7.5G 2.5/0 to 2.5G 2.5/0 | |
| 6 | [Pattern] | 6 | | | | | | |




SITE 953 HOLE C CORE 87R CORED 1004.6 - 1014.2 mbsf

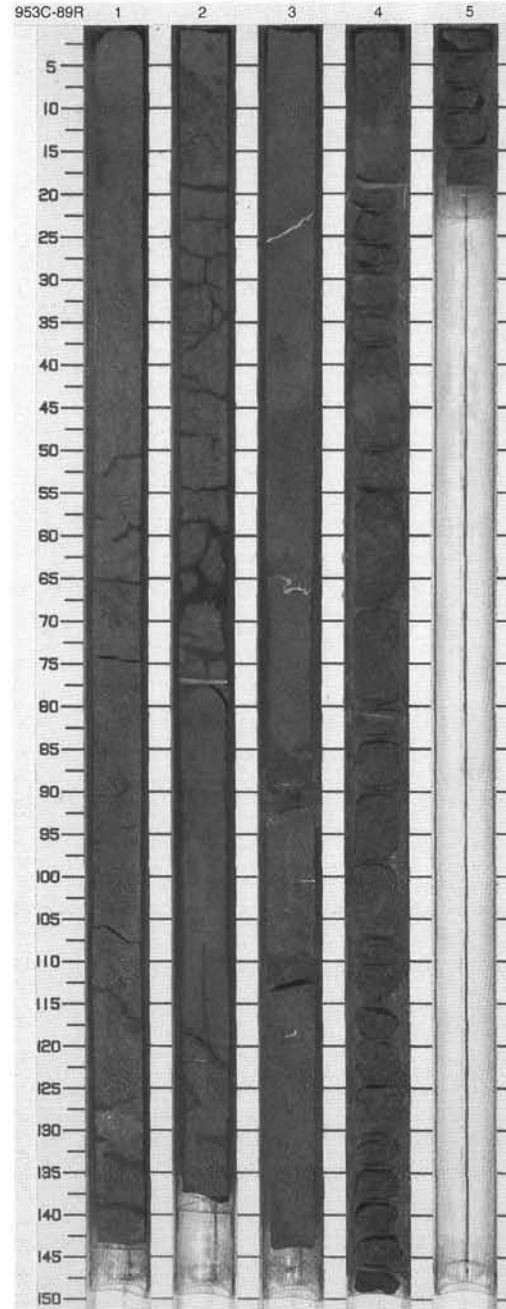
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|----------|--------|----------------------------------|--|
| 1 | [Pattern] | 1 | early Miocene | [Pattern] | [Symbol] | T | 5G 2/1 to 7.5G 2.5/0 | HYALOCLASTITE TUFF and LITHIC CRYSTAL SILTSTONE Major Lithologies: HYALOCLASTITE TUFF and LITHIC CRYSTAL SILTSTONE occurs as medium to thick beds of moderately sorted, fine- to coarse-grained, planar- and cross-laminated fining upward sequences. Lithic fragments are primarily basalt. |
| 2 | [Pattern] | 2 | | [Pattern] | [Symbol] | | | |
| 3 | [Pattern] | 3 | | [Pattern] | [Symbol] | | | |
| | | | | | | | 10G 2.5/1 to 5G 2/1 | |

953C 88R NO RECOVERY

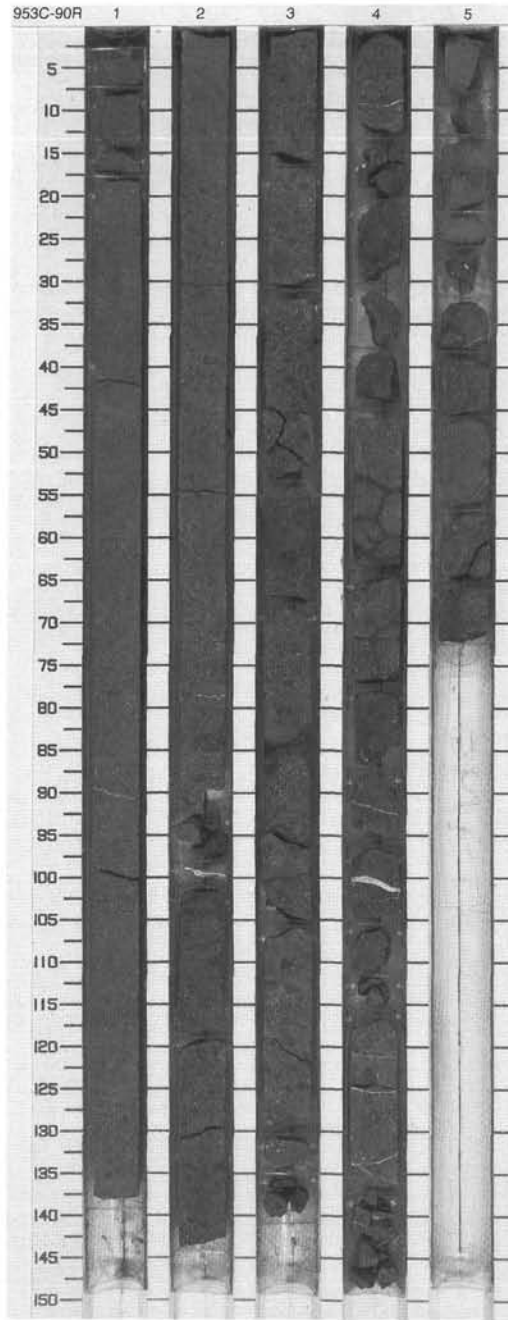


SITE 953 HOLE C CORE 89R CORED 1017.2 - 1023.7 mbsf

| Meter | Graphic Lith. | Section Age | Structure | Disturb | Sample | Color | Description | |
|-------|---|-------------|---------------|---------|--------|------------------------|--|--|
| 1 |  | 1 | | | T | | <p>HYALOCLASTITE LAPILLISTONE and HYALOCLASTITE TUFF</p> <p>Major Lithologies: HYALOCLASTITE LAPILLISTONE and HYALOCLASTITE TUFF are thick bedded, very poorly sorted, very coarse to coarse grained, and structureless. Lithic fragments are composed of dark green and purple vesicular basaltic rock fragments. Hyaloclastite matrix is strongly zeolitized.</p> | |
| 2 | | 2 | ↑ C | | | 5BG 2.5/1 to 10G 2.5/1 | | |
| 3 | | 3 | early Miocene | | | | | |
| 4 | | 4 | | ↑ F | | | | |
| 5 | | 5 | | ↑ F | | | | |



| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------|-------------------------------------|--|
| 1 | [Pattern] | 1 | | | | T | 2.5G 2.5/0 to 5G N2.5/0 | HYALOCLASTITE TUFF WITH LAPILLISTONE, HYALOCLASTITE LAPILLISTONE, and HYALOCLASTITE TUFF Major Lithologies: HYALOCLASTITE TUFF WITH LAPILLISTONE, HYALOCLASTITE TUFF, and HYALOCLASTITE LAPILLISTONE occur as thick, structureless beds that are very poorly sorted and very coarse to coarse grained. Lithic fragments are composed of dark green and purple vesicular basaltic rock fragments. Hyaloclastite matrix is strongly zeolitized. Thin, zeolite-filled veins are present in Section 1, 100 cm, Section 2, 30-35 cm, and Section 3, 5, 90, 96, 120, 125, 130, and 140 cm. |
| 2 | [Pattern] | 2 | | | | | | |
| 3 | [Pattern] | 3 | early Miocene | | | | | |
| 4 | [Pattern] | 4 | | | | O | 5BG 4/1 to 5G N2.5/0 | |
| 5 | [Pattern] | 5 | | | | T | | |

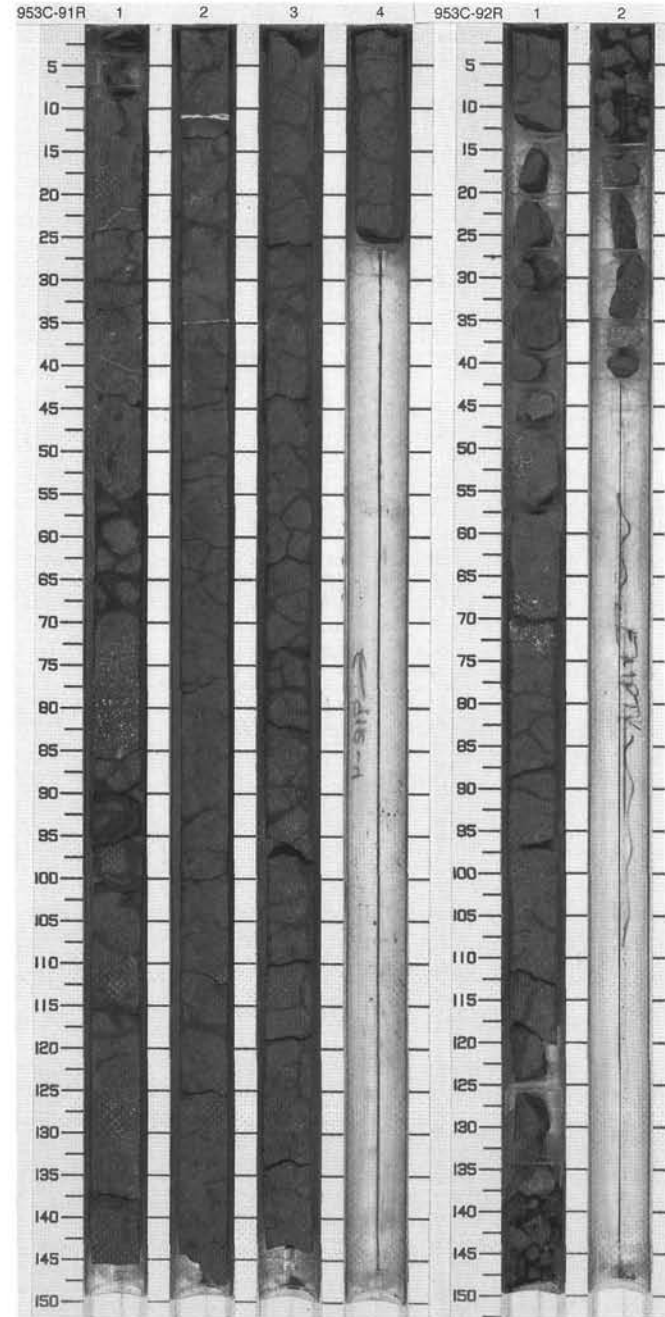


SITE 953 HOLE C CORE 91R CORED 1033.2 - 1042.9 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------|---|--|
| 1 | [Pattern] | 1 | early Miocene | | | | 5BG 2.5/1 to 5B 4/1 5BG 2.5/1 | HYALOCLASTITE LAPILLISTONE and HYALOCLASTITE LAPILLI TUFF Major Lithologies: HYALOCLASTITE LAPILLISTONE and HYALOCLASTITE LAPILLI TUFF are thick bedded, very poorly sorted, very coarse to coarse grained, and structureless. Clasts are angular to subangular and are composed of dark green and purple vesicular basaltic rock fragments with pyroxene and altered olivine. The beds are composed of about equal amounts of hyaloclastite matrix and basaltic clasts. Hyaloclastite matrix is strongly zeolitized. Zeolites infill vesicules and veins. Pillow basalt fragments are present. |
| 2 | [Pattern] | 2 | | | | | | |
| 3 | [Pattern] | 3 | | | | | | |
| 4 | [Pattern] | 4 | | | | | | |

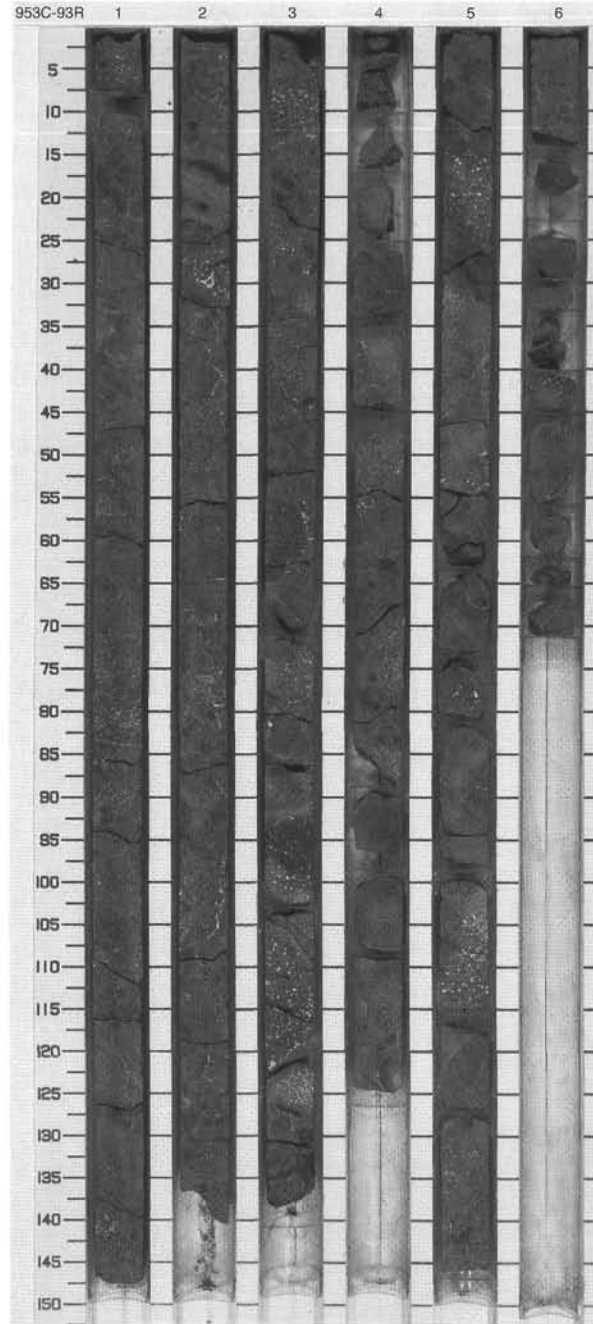
SITE 953 HOLE C CORE 92R CORED 1042.9 - 1052.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|------------|---------------|--|
| 1 | [Pattern] | 1 | early Miocene | | | O T | 2.5G 2.5/0 | HYALOCLASTITE LAPILLISTONE Major Lithology: HYALOCLASTITE LAPILLISTONE is thick bedded, very poorly sorted, very coarse to coarse grained, and structureless. Clasts are angular to subangular and are composed of dark green and purple vesicular basaltic rock fragments with pyroxene and altered olivine. Beds are composed of equal amounts of hyaloclastite matrix and basaltic clasts. Hyaloclastite matrix is strongly zeolitized. Zeolites infill vesicules and veins. Pillow basalt fragments are present. |
| 2 | [Pattern] | 2 | | | | | | |



SITE 953 HOLE C CORE 93R CORED 1052.6 - 1062.2 mbsf

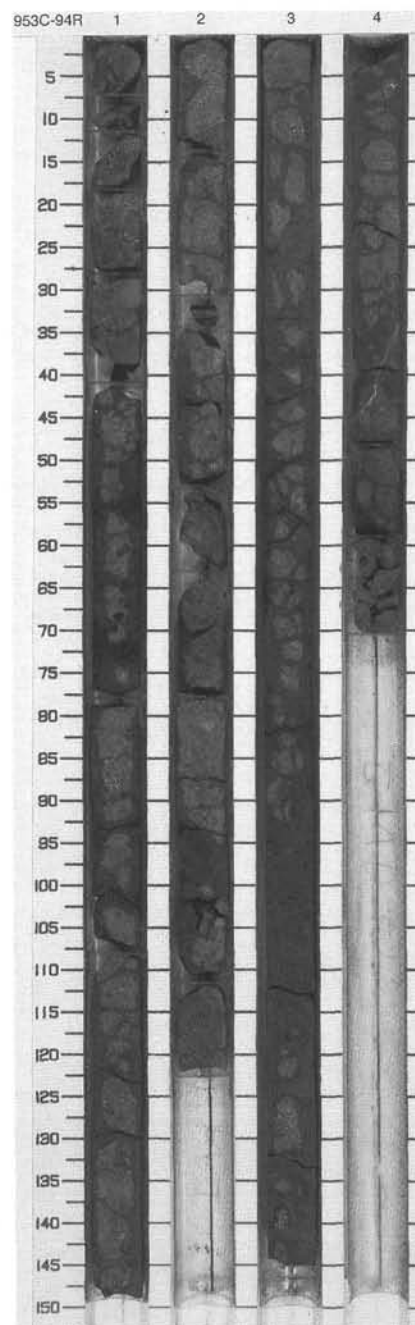
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------|-------------------------------------|--|
| 1 | | 1 | early Miocene | | | T | | HYALOCLASTITE TUFF BRECCIA Major Lithology: HYALOCLASTITE TUFF BRECCIA consists of vesicular basalt breccia supported in a hyaloclastite matrix. |
| 2 | | 2 | | | | | | |
| 3 | | 3 | | | | | | |
| 4 | | 4 | | | | | 2.5G 2.5/0 to 5B N2.5/0 | |
| 5 | | 5 | | | | | T | |
| 6 | | 6 | | | | | | |



SITE 953 HOLE C CORE 94R


CORED 1062.2 - 1071.9 mbsf

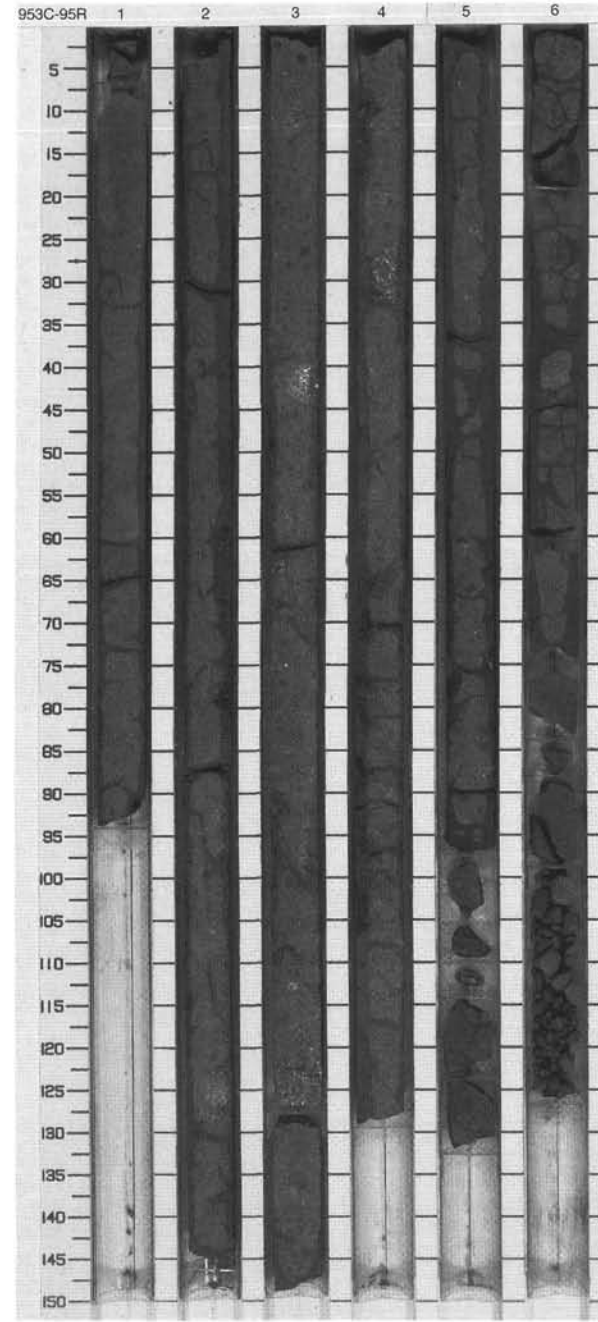
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------|------------|--|
| 1 | | 1 | early Miocene | | | | 5BG 4/1 | <p>HYALOCLASTITE LAPILLISTONE BRECCIA</p> <p>Major Lithology: HYALOCLASTITE LAPILLISTONE BRECCIA consists of basalt breccia supported in a hyaloclastic matrix. Two types of basalt clasts are present: 1) vesicular basalt with pyroxene, and 2) massive basalt with pyroxene and altered olivine phenocrysts and possible quenched rims.</p> |
| 2 | | 2 | | | | | | |
| 3 | | 3 | | | | | | |
| 4 | | 4 | | | | | | |
| | | | | | | O | | |



SITE 953 HOLE C CORE 95R

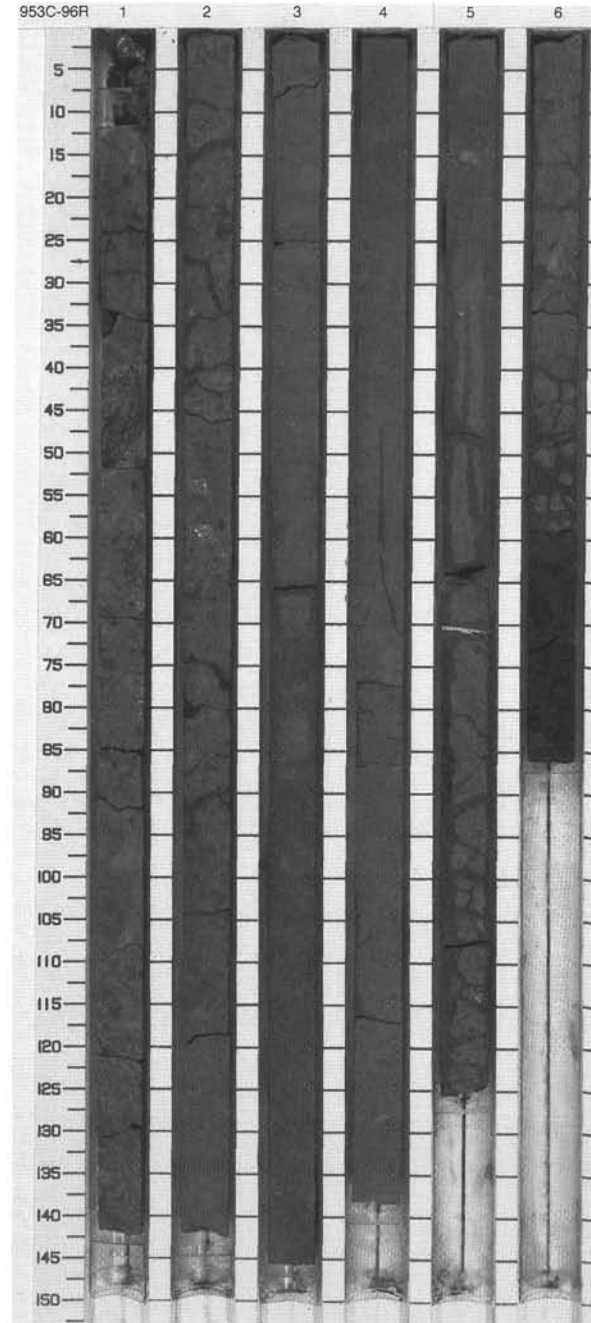
CORED 1071.9 - 1081.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | |
|-------|---|---------|---------------|------------|------------|--------|-------|--|----------------------------------|
| 1 |  | 1 | | ↑ F ↑ F | | T | | <p>HYALOCLASTITE TUFF and HYALOCLASTITE LAPILLISTONE</p> <p>Major Lithologies: HYALOCLASTITE LAPILLISTONE and HYALOCLASTITE TUFF are very poorly sorted and generally structureless, except for faint fining and coarsening upward sequences. Clasts are angular to subangular and are composed of dark green, purple, and red vesicular and massive basaltic rock fragments with pyroxene and altered olivine. Beds are composed of equal amounts of hyaloclastite matrix and basaltic clasts. Pillow basalt fragments are present.</p> | |
| 2 | | 2 | | --- | | | | | |
| 3 | | 3 | | | | | | | |
| 4 | | 4 | early Miocene | | | | | | 4BG 2/1 to 6.5BG 2/0 |
| 5 | | 5 | | | | | | | |
| 6 | | 6 | | | ↑ c ↑ c | | O | | |
| 7 | | | | | | T | | | |



SITE 953 HOLE C CORE 96R CORED 1081.5 - 1091.2 mbsf

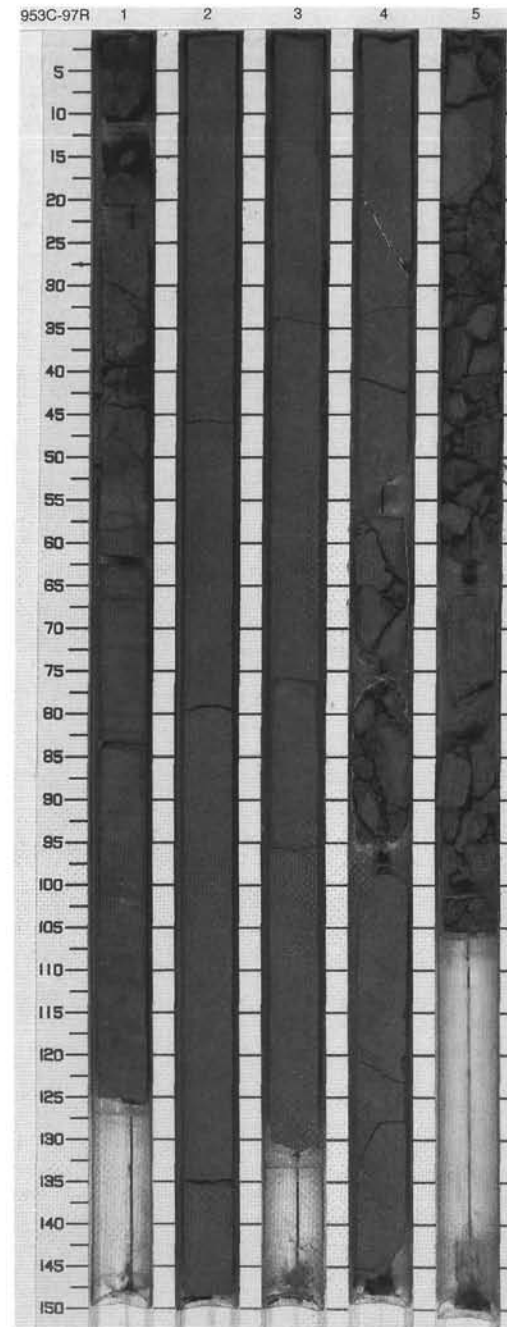
| Meter | Graphic Lith. | Section Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------------|--------------------------|---------|--------|---------------------------------|--|
| 1 | [Pattern] | 1 | --- | | T | | <p>HYALOCLASTITE TUFF, HYALOCLASTITE LAPILLISTONE, and HYALOCLASTITE BRECCIA</p> <p>Major Lithologies: HYALOCLASTITE TUFF, HYALOCLASTITE LAPILLISTONE, and HYALOCLASTITE BRECCIA are structureless and very poorly sorted. Clasts are angular to subangular and are composed of dark green and purple vesicular basaltic rock fragments with pyroxene and altered olivine. Hyaloclastite matrix is very coarse to coarse grained and strongly zeolitized. Zeolites infill vesicles and veins. Pillow basalt fragments are present.</p> |
| 2 | [Pattern] | 2 | --- | | | | |
| 3 | [Pattern] | 3 | --- | | | | |
| 4 | [Pattern] | early Miocene | | | | 1.4BG 2/1 to 6.5GB 2/1 | |
| 5 | [Pattern] | 4 | ↑ F ↑ F ↑ F ↑ F | | T | | |
| 6 | [Pattern] | 5 | --- | | | | |
| 7 | [Pattern] | 6 | | | | | |



SITE 953 HOLE C CORE 97R CORED 1091.2 - 1100.9 mbsf

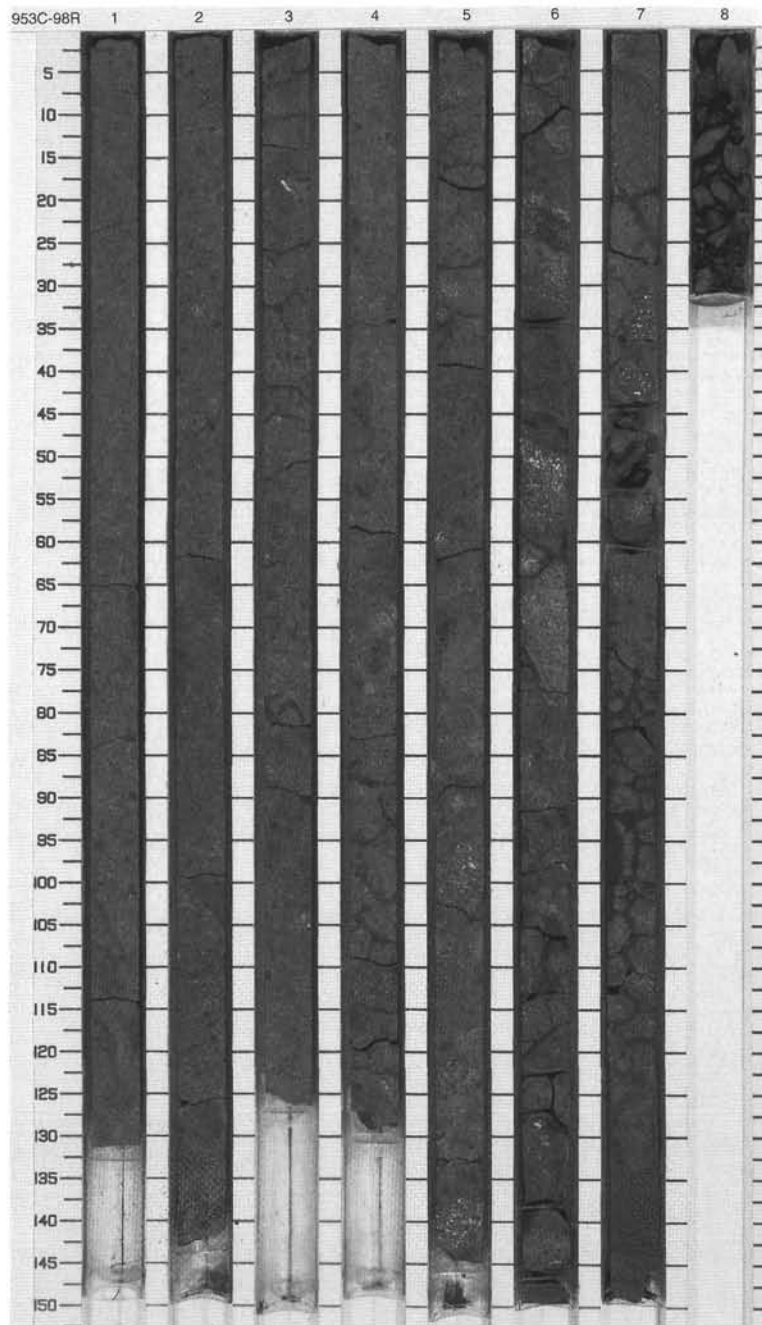
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description | |
|-------|---------------|---------|---------------|-----------|---------|--------------|--------------|---|---|
| 0-1 | [Pattern] | 1 | early Miocene | ↑ F | | 5BG 2.5/1 | 5BG 2.5/1 | HYALOCLASTITE TUFF, HYALOCLASTITE TUFF WITH LITHICS, HYALOCLASTITE LAPILLISTONE, and HYALOCLASTITE LAPILLISTONE WITH LITHICS | |
| 1-2 | [Pattern] | 2 | | | T | | | | |
| 2-3 | [Pattern] | 3 | | ↑ F | | | 10G 3/1 | 10G 3/1 | Major Lithologies: HYALOCLASTITE TUFF, HYALOCLASTITE TUFF WITH LITHICS, HYALOCLASTITE LAPILLISTONE, and HYALOCLASTITE LAPILLISTONE WITH LITHICS are very poorly sorted and are distinguished on their content of lapilli and large (decimeter-sized) rock fragments. HYALOCLASTITE LAPILLISTONE WITH LITHICS occurs in Section 1, 0-53 cm, and is underlain by HYALOCLASTITE TUFF WITH LITHICS (Section 1, 53-124 cm) which is partly parallel laminated, and this lithology grades into HYALOCLASTITE TUFF (Section 2, 0 cm, to Section 3, 100 cm) and HYALOCLASTITE LAPILLISTONE (Section 3, 100 cm, to Section 5, 105 cm) downcore. Lapilli are angular to subrounded and composed mainly of dark reddish brown altered vesicular basaltic rock fragments and altered massive glass fragments. Larger clasts are predominatly altered basalt. |
| 3-4 | [Pattern] | 4 | | --- | | | | | |
| 4-5 | [Pattern] | 5 | | | | | | | |
| 5-6 | [Pattern] | | | | | | | | |

General Description:
The major lithologies form thick beds which grade into each other. Color is very uniform in this core.

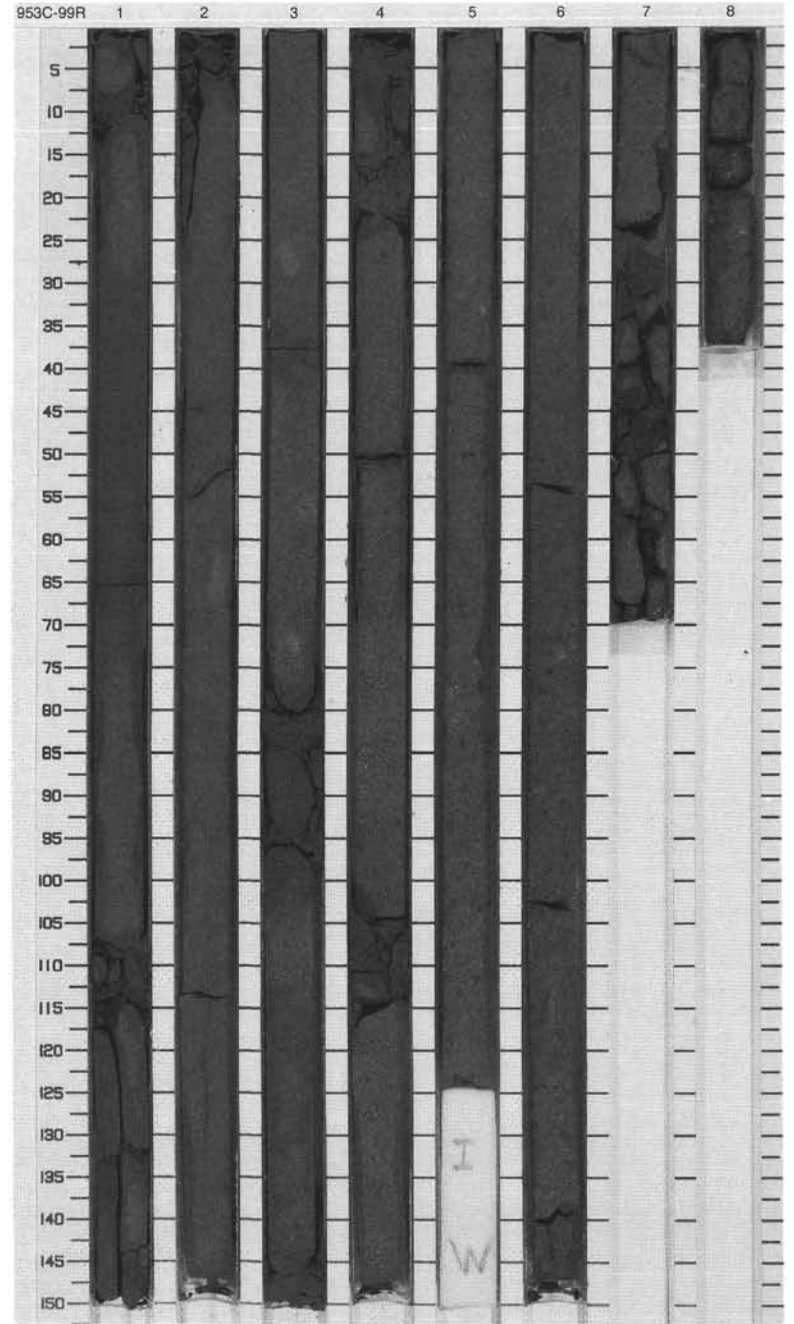


SITE 953 HOLE C CORE 98R CORED 1100.9 - 1110.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|--------------|---------|--------|-----------|---|
| 1 | [Pattern] | 1 | early Miocene | | | | 5G 2/1 | HYALOCLASTITE LAPILLISTONE WITH LITHICS, HYALOCLASTITE BRECCIA, and HYALOCLASTITE TUFF |
| 2 | [Pattern] | 2 | | | | | | |
| 3 | [Pattern] | 3 | | 10G 2.5/1 | | | | Major Lithologies: HYALOCLASTITE LAPILLISTONE WITH LITHICS forms a thick, poorly sorted bed from Section 1, 0 cm to Section 5, 145 cm, and contains abundant lapilli of angular to subangular, dark reddish brown altered vesicular basalt, and green massive glassy fragments and lithic clasts. Lithic clasts are predominantly dark gray-brown moderately vesicular basalt. HYALOCLASTITE BRECCIA forms a thick, poorly sorted bed from Section 6, 0 cm, to Section 7, 123 cm, and contains abundant, matrix-supported angular to subrounded cobble-sized clasts of altered reddish-brown vesicular basalt. Vesicles in the basalts may be infilled with zeolites. HYALOCLASTITE TUFF forms a disturbed bed in Section 7, 122 cm to Section 8, 31 cm. This tuff shows contorted lamination. |
| 4 | [Pattern] | 3 | | | | | | |
| 5 | [Pattern] | 4 | | 5BG 4/1 | | | | General Description: The major lithologies form thick beds that grade into each other. Color is fairly uniform in this core. |
| 6 | [Pattern] | 5 | | | | | | |
| 7 | [Pattern] | 6 | | | | | | |
| 8 | [Pattern] | 7 | | | | | | |
| 9 | [Pattern] | 8 | | | | | | |

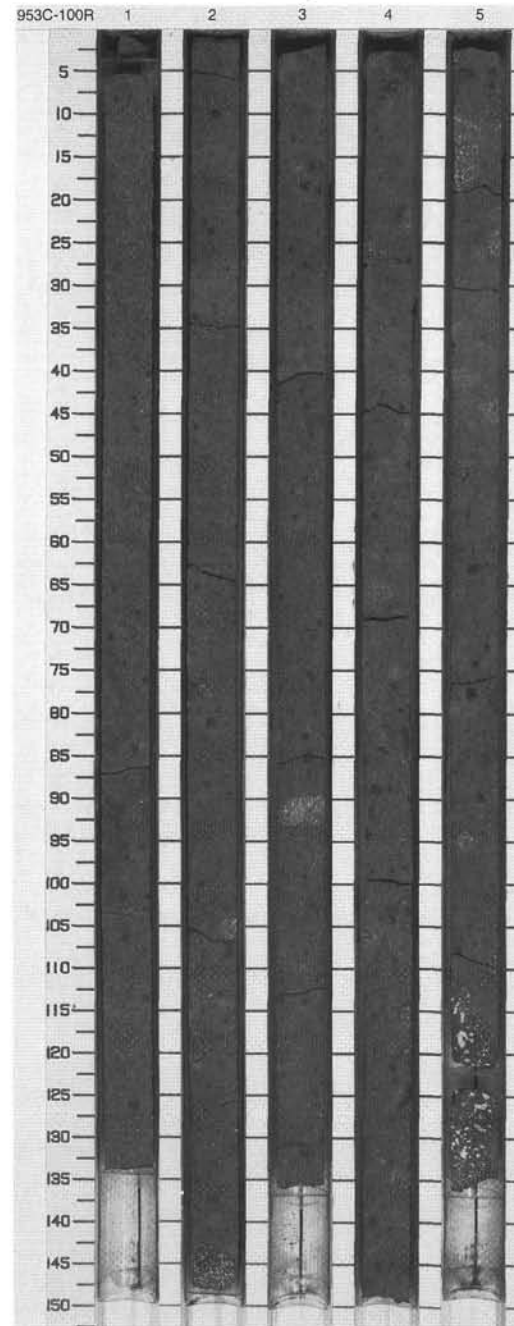


| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|-------------------------|------------|---------------|-----------|---------|--------|--------|---|
| 1 | [Cross-hatched pattern] | 1 | early Miocene | ↑ F | | | 5G 2/1 | <p>HYALOCLASTITE TUFF and HYALOCLASTITE LAPILLISTONE</p> <p>Major Lithologies: HYALOCLASTITE TUFF forms a thick, slightly normally graded, but otherwise structureless bed from Section 1, 0 cm, to Section 3, 150 cm. It contains rare, small subangular to rounded lapilli of altered basalt. HYALOCLASTITE LAPILLISTONE forms a thick bed from Section 4, 0 cm, to Section 8, 37 cm. This lithology is very poorly sorted, slightly normally graded and contains abundant subangular to subrounded lapilli of altered basalt, some of which may be vesicular (especially the larger lapilli and clasts). In vesicular clasts the vesicles may be infilled with zeolites. Some basalt lapilli and clasts contain pyroxene phenocrysts.</p> <p>General Description: The major lithologies form thick beds that grade into each other.</p> |
| 2 | | 10G 2.5/1 | | | | | | |
| 3 | | 7.5G 2.5/0 | | | | | | |
| 4 | | | | | | | | |
| 5 | | 5G 3/1 | | | | | | |
| 6 | | O | | | | | | |
| 7 | | 7.5G 3/0 | | | | | | |
| 8 | | | | | | | | |
| 9 | 10G 2.5/1 | | | | | | | |
| 10 | | | | | | | | |



SITE 953 HOLE C CORE 100R CORED 1120.2 - 1129.8 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------|---------------|-----------|---------|--------|--------------|--|
| 1 | [Pattern] | 1 | early Miocene | | | | 2.5G 3/0 | <p>HYALOCLASTITE LAPILLISTONE and HYALOCLASTITE BRECCIA</p> <p>Major Lithologies: HYALOCLASTITE LAPILLISTONE forms a thick, very poorly sorted structureless bed from Section 1, 0 cm to Section 4, 150 cm. Lapilli are predominantly subangular to subrounded dark gray to reddish gray altered basalt fragments, some of which are vesicular. HYALOCLASTITE BRECCIA forms a thick bed in Section 5, 0-135 cm, and contains lapilli and cobble-sized dark gray angular basalt fragments.</p> <p>General Description: This core comprises a thick overall normally graded sequence and the major lithologies grade into each other.</p> |
| 2 | [Pattern] | 2 | | | | | 10G 2.5/1 | |
| 3 | [Pattern] | 3 | | | | | | |
| 4 | [Pattern] | 4 | | | | | | |
| 5 | [Pattern] | 5 | | | | | | |
| 6 | [Pattern] | | | | | O | | |
| 7 | [Pattern] | | | | | | 5B 4/1 | |

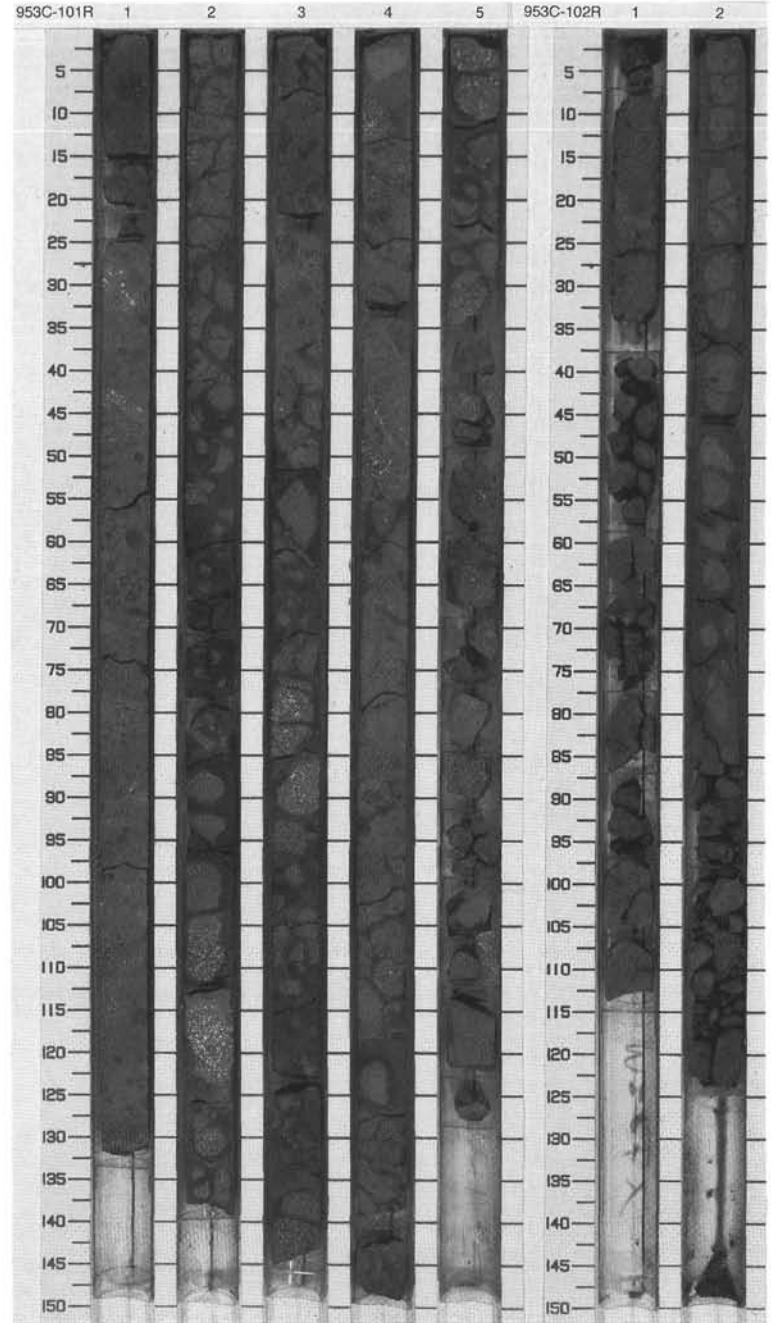


SITE 953 HOLE C CORE 101R CORED 1129.8 - 1139.4 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|------------------|---------|---------------|-----------|---------|--------|--------------------------------------|---|
| 1 | [diagonal lines] | 1 | early Miocene | - | | | 2BG 10/0.4 to 10G 11/0.1 | HYALOCLASTITE LAPILLISTONE and HYALOCLASTITE BRECCIA Major Lithologies: HYALOCLASTITE LAPILLISTONE and HYALOCLASTITE BRECCIA are structureless and very poorly sorted. Lapilli are supported in medium- to coarse-grained, vesicular and nonvesicular hyaloclastite. Clasts are angular to subangular and are composed of dark purple, green, and minor brick red vesicular (20%) and nonvesicular (80%) olivine clinopyroxene basaltic rock fragments. Beds are composed of equal amounts of hyaloclastite matrix and basalt clasts. Zeolites infill vesicles. Pillow basalt fragments are common. |
| 2 | [diagonal lines] | 2 | | | | | | |
| 3 | [diagonal lines] | 3 | | | | | | |
| 4 | [diagonal lines] | 4 | | | | | | |
| 5 | [diagonal lines] | 5 | | | | | | |

SITE 953 HOLE C CORE 102R CORED 1139.4 - 1149.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|------------------|---------|---------------|-----------|---------|--------|----------------------------------|---|
| 1 | [diagonal lines] | 1 | early Miocene | | X | O | 1B 12/0 to 10BG 12/1 | HYALOCLASTITE LAPILLISTONE Major Lithology: HYALOCLASTITE LAPILLISTONE is very poorly sorted and structureless. Clasts are angular to subangular and are composed of dark green and purple, vesicular and nonvesicular basaltic rock fragments with pyroxene and altered olivine. Hyaloclastite matrix is fine grained to granule size, and both vesicular and nonvesicular. Zeolites infill vesicles. Pillow basalt fragments are present. |
| 2 | [diagonal lines] | 2 | | | | | | |



SITE 953 HOLE C CORE 103R CORED 1149.1 - 1158.7 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|-------|---------------|---------------|-----|-----------|---------|--------|--------------------------------------|--|
| 1 | | early Miocene | 1 | --- | | | | <p>HYALOCLASTITE TUFF and HYALOCLASTITE LAPILLISTONE</p> <p>Major Lithologies: This core consists of HYALOCLASTITE TUFF and HYALOCLASTITE LAPILLISTONE that are generally structureless and very poorly sorted. Planar laminations do occur. Lapilli are supported in vesicular to nonvesicular hyaloclastite. Clasts are angular to subangular and are composed of vesicular and nonvesicular olivine clinopyroxene basaltic fragments.</p> |
| 2 | | | ↑ F | | | | | |
| 3 | | | ↑ F | | | | | |
| 4 | | | --- | | | | | |
| 5 | | | --- | | | | | |
| 6 | | | ↑ F | | | | | |
| 7 | | | ↑ F | | | | | |
| 8 | | | ↑ F | | | | | |
| | | | | | | | 4G 2.5/0.7 to 6.6G 2/0.7 | |

