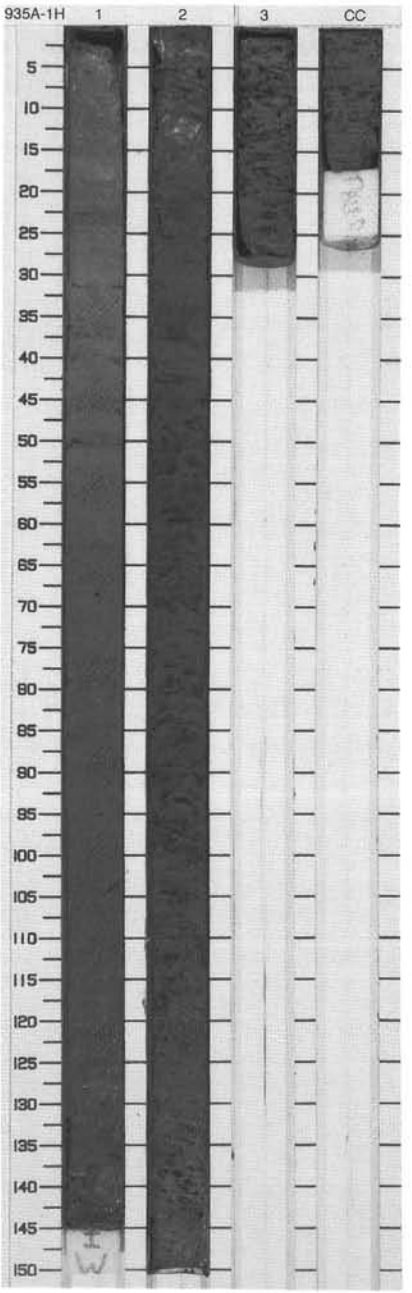
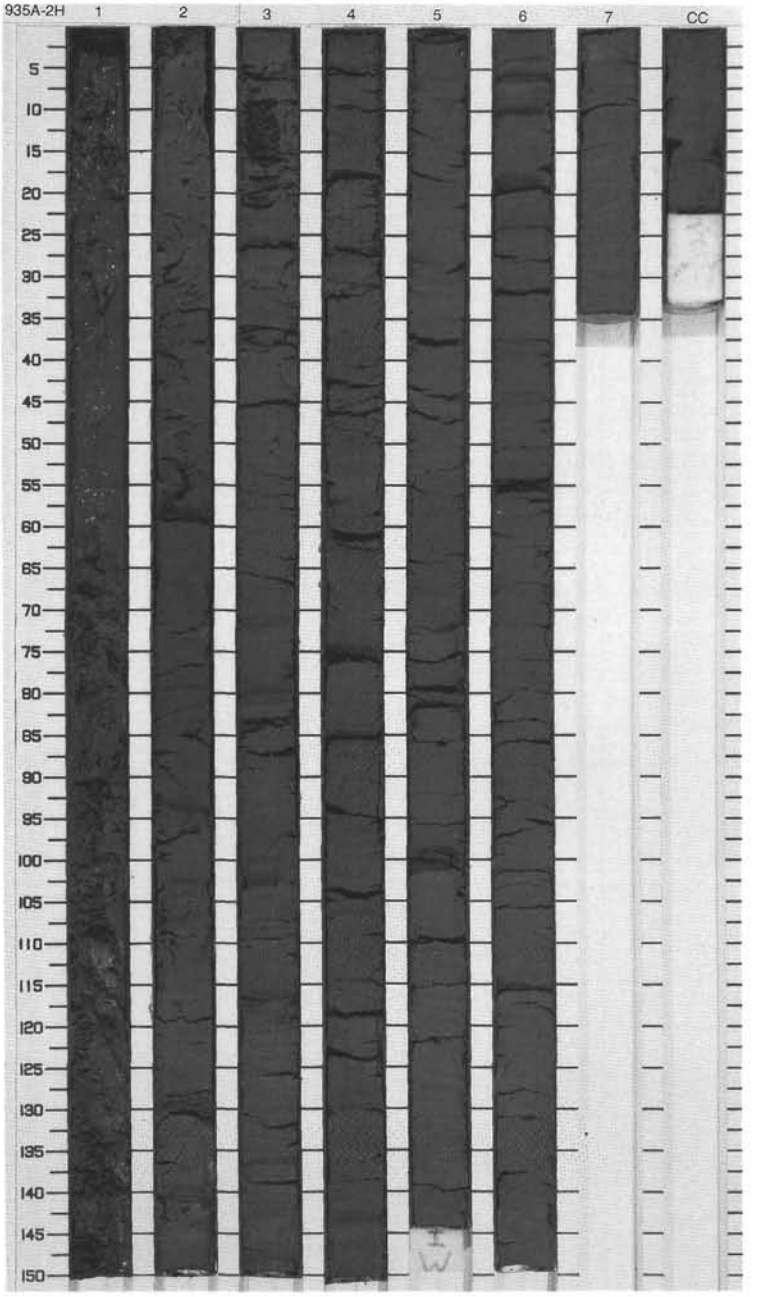
SITE 935 HOLE A CORE 1H CORED 0.0 - 3.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1<br>2<br>3 | | 1<br>2<br>3<br>CC | Holocene<br>late Pleistocene | | | S<br>S S<br>I<br>M | 10YR 5/4 To 5Y 5/1<br>5Y 4/1 | CALCAREOUS CLAY and CLAY<br><br>Major Lithologies:<br>The upper 60 cm of Section 1 consists of calcareous clay that grades from yellowish brown to light brownish gray (36 cm) and then to gray (50 cm). Five thin (1-cm-thick) indurated dark grayish brown (2.5YR 4/2) clay "crusts" occur at 36, 39, 46, 50, and 65 cm in Section 1. From 60 cm in Section 1 through to the bottom of the core, dark gray clay *dominates the lithology. Iron* monosulfide is disseminated within the clay interval and "highlights" areas where mottling occurs. |



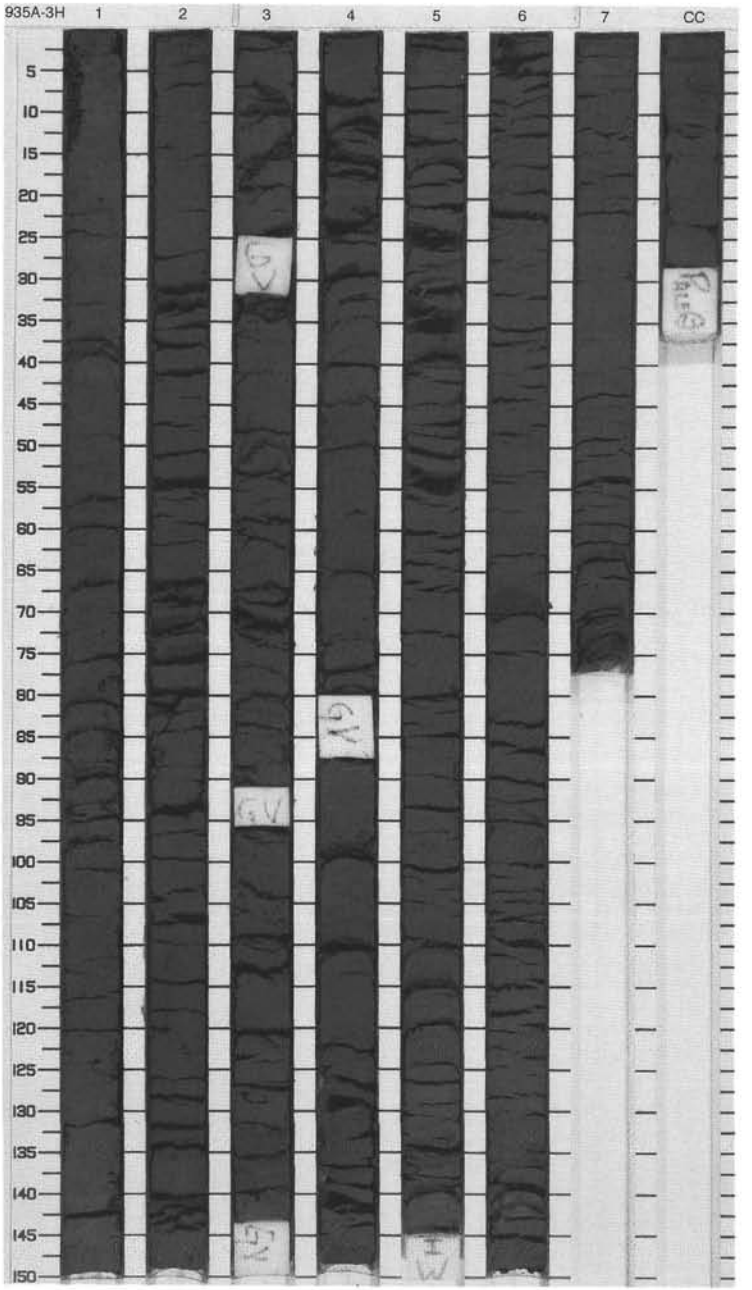
SITE 935 HOLE A CORE 2H CORED 3.5 - 13.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–9 | | 1 | late Pleistocene | | ○○○○ | S | 5Y 3/1 | CLAY and SILTY CLAY WITH SILT LAMINAE AND BEDS<br><br>Major Lithologies:<br>From the top of this core through Section 3, 70 cm, the sediment consists of a very dark gray clay that contains a few silt laminae and a silt bed. The interval Section 3, 70 cm, to the bottom of the core contains a dark olive gray silty clay. Numerous silt laminae and silt beds are scattered within the silty clay. Iron monosulfide occurs throughout the core, either disseminated in the clay or concentrated in the silt laminae and beds as micronodules. |
| | | 2 | | | | | 5Y 4/2 | |
| | | | | | | | 5Y 4/1 To 5Y 4/2 | |
| | | 3 | | | | | | |
| | | 4 | | | | | | |
| | | 5 | | | | I | 5Y 3/2 | |
| | | 6 | | | | | | |
| | | 7 | | | | | | |
| | | CC | | | | M | | |



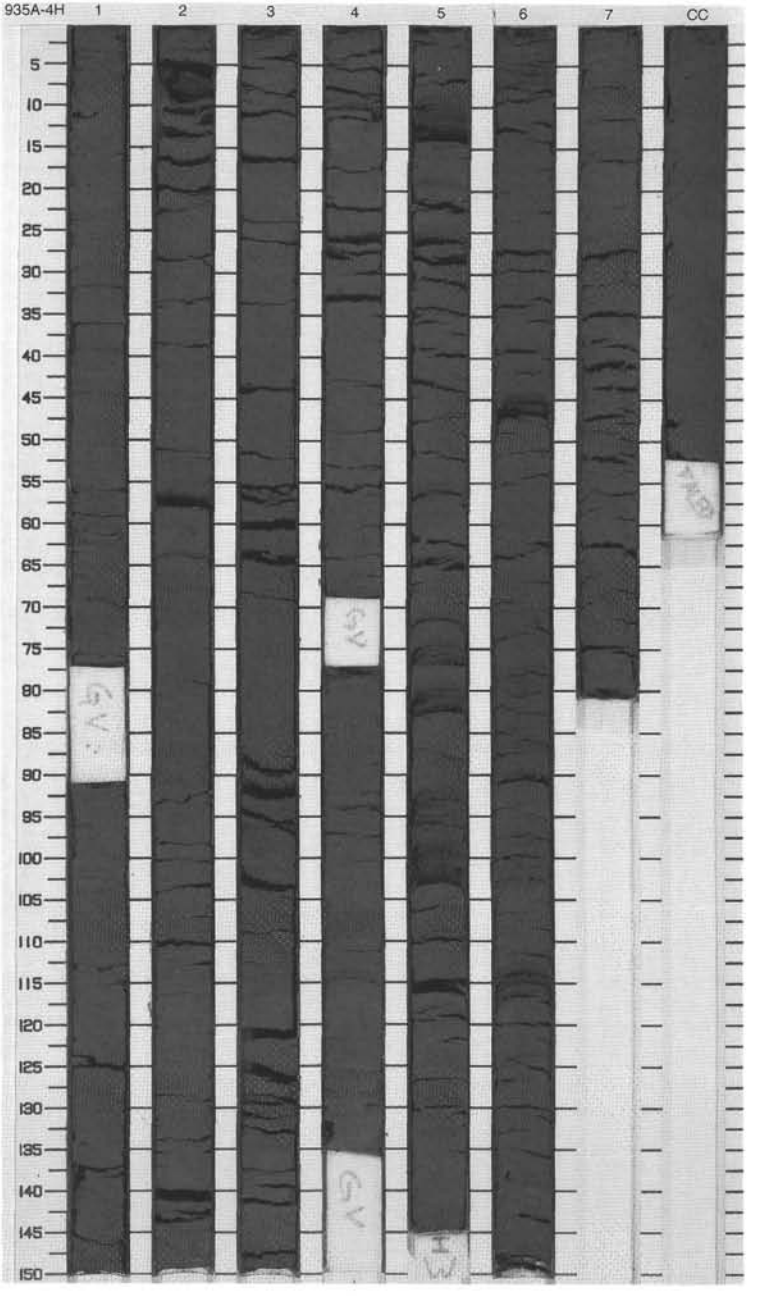
SITE 935 HOLE A CORE 3H CORED 13.0 - 22.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–10 | | 1 | late Pleistocene | | WWWWWWWWW | | 5Y 3/2 | SILTY CLAY WITH SILT LAMINAE AND BEDS<br><br>Major Lithology:<br>This core consists of dark olive to very dark gray silty clay. Intercalated in the silty clay are numerous silt laminae and silt beds. Iron monosulfide causes black (5Y 2.5/1) mottling or banding. Through Sections 1 to 3, the silty clay and the silt laminae and beds appear to be folded and deformed. |
| | | 2 | | | | | 5Y 3/2 To 5Y 3/1 | |
| | | 3 | | | | | | |
| | | 4 | | | | | 5Y 3/1 | |
| | | 5 | | | | I | | |
| | | 6 | | | | | 5Y 3/2 To 5Y 3/1 | |
| | | 7 | | | | | 5Y 3/1 | |
| | | CC | | | I | M | | |



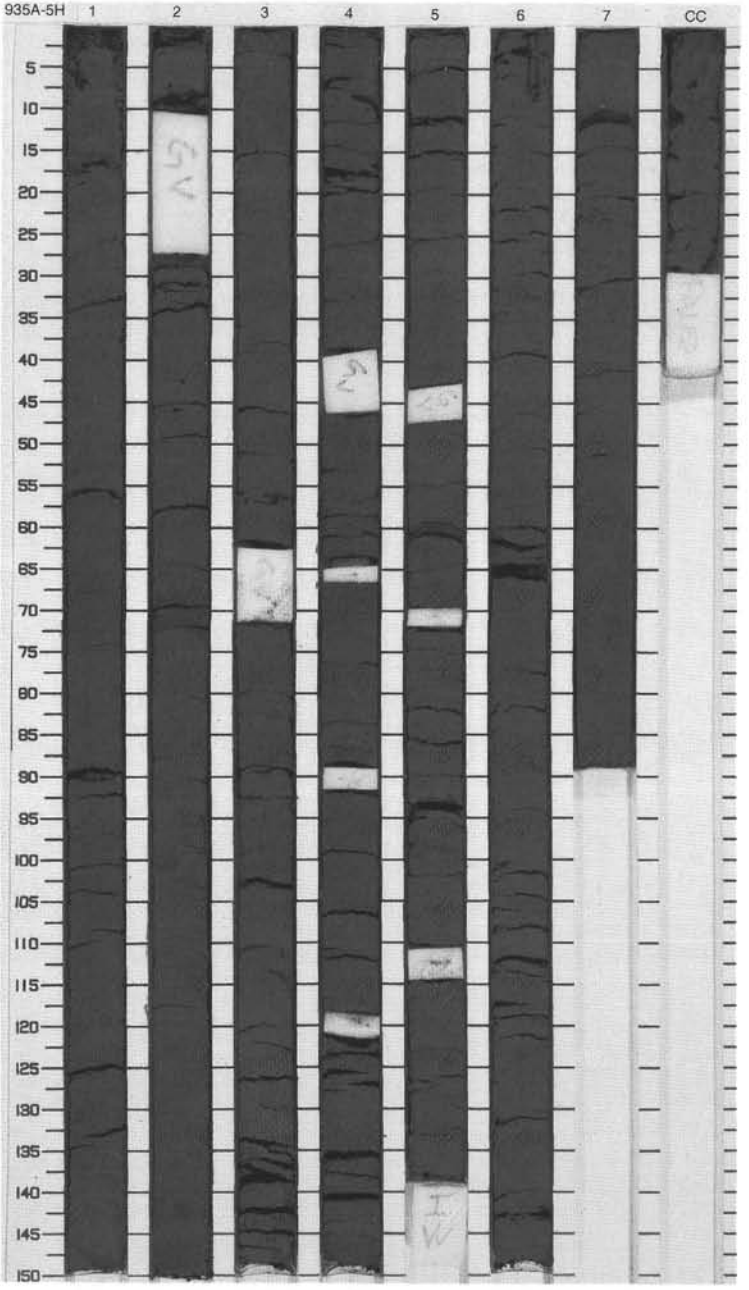
SITE 935 HOLE A CORE 4H CORED 22.5 - 32.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–10 | | 1–7, CC | late Pleistocene | | | I, M | 5Y 3/1 | SILTY CLAY WITH SILT LAMINAE AND BEDS<br><br>Major Lithology:<br>The sediment is composed of very dark gray silty clay. Intercalated with the clay are silt laminae and silt beds. Iron monosulfide causes black (N2) mottling and color banding. |



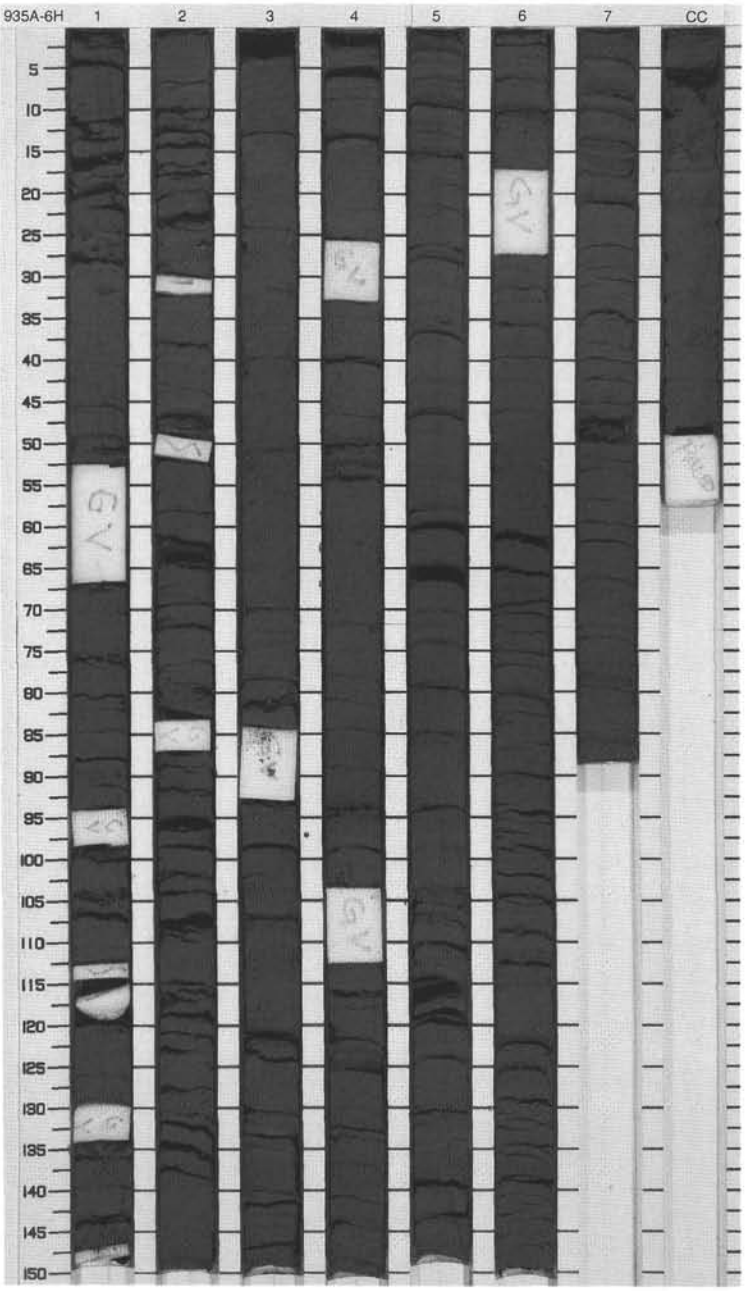
SITE 935 HOLE A CORE 5H CORED 32.0 - 41.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–10 | Void | 1–7, CC | late Pleistocene | | | I, M | 5Y 3/1 To 5Y 3/2; 5Y 3/2; 5Y 3/1 | SILTY CLAY<br><br>Major Lithology:<br>Dark olive gray to very dark gray silty clay dominates the lithology in this core. Section 1, 60 cm, through Section 2, 10 cm, consists of clay with minor amounts of silt. Between the top of Section 1 and Section 4, 15 cm, the silty clay is deformed. Sediments in Section 1 are folded, and the silty clay is fractured, offsetting color banding and mottling. Only one or two silt laminae or beds were found in Sections 1, 3, 4, 5, and 7. In Section 2, 44 cm, iron monosulfide forms 5-mm-diameter concretions. |



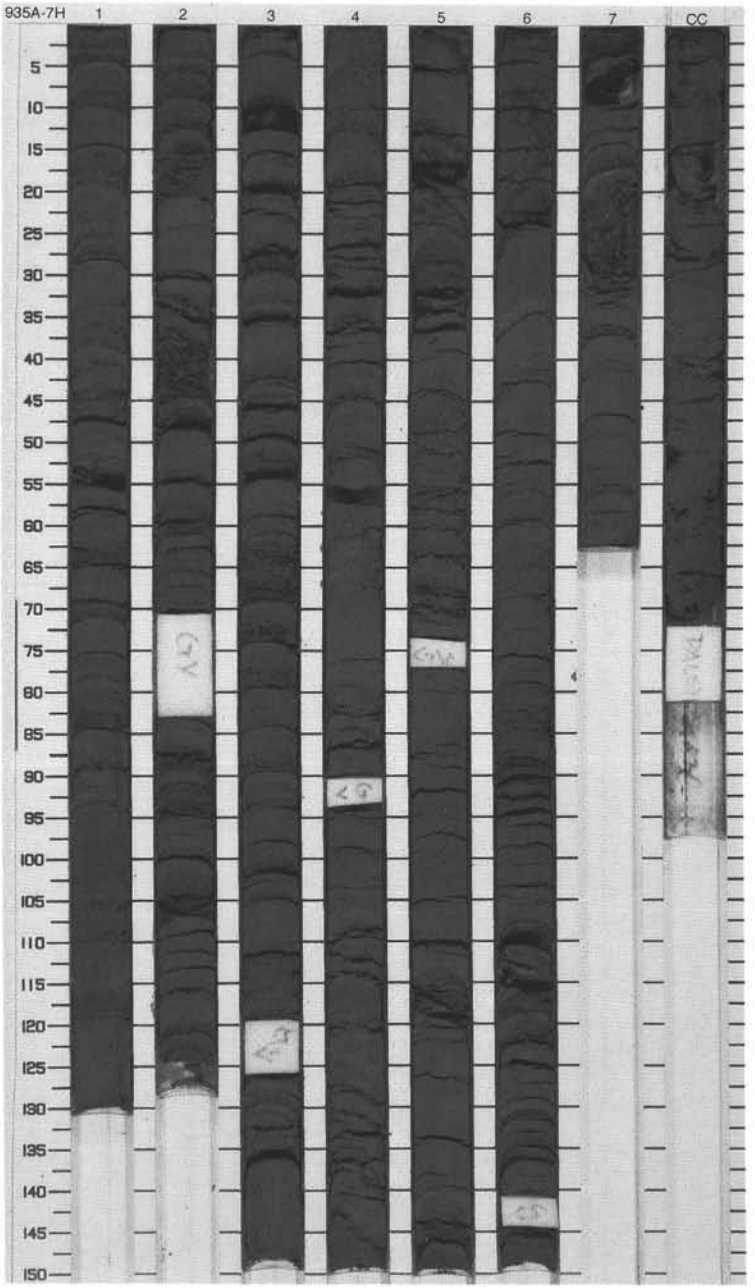
SITE 935 HOLE A CORE 6H CORED 41.5 - 51.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–6 | | 1–7, CC | late Pleistocene | | | M | 5Y 3/2 | SILTY CLAY WITH SILT LAMINAE AND SANDY SILT BEDS<br><br>Major Lithology:<br>In this core, dark gray silty clay is intercalated with silt laminae and sandy silt beds. The abundance of silt laminae increases in Sections 4, 5, and 7, where silt laminae occur at 1- to 3-cm intervals. |



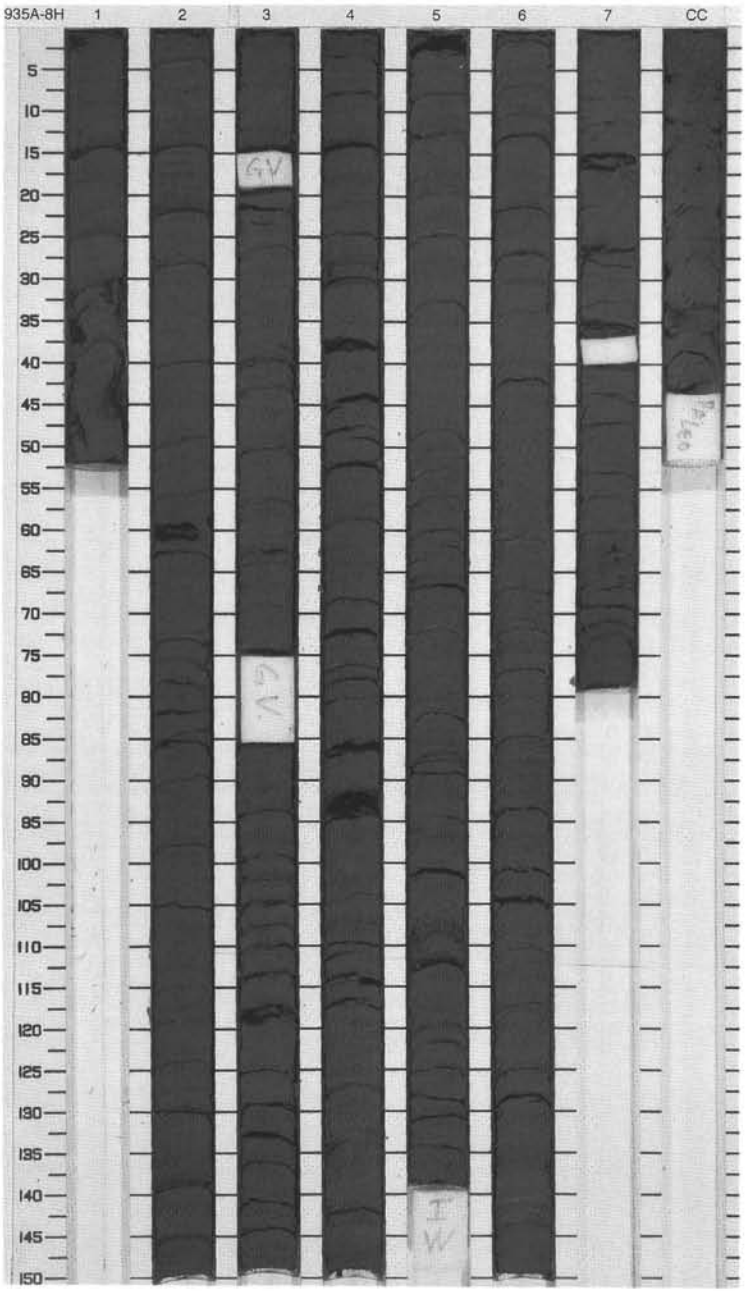
SITE 935 HOLE A CORE 7H CORED 51.0 - 60.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–10 | | 1–7, CC | late Pleistocene | | | M | 5Y 3/1 | SILTY CLAY<br><br>Major Lithology:<br>This core consists of very dark gray silty clay with numerous silt laminae and thin silt beds. |



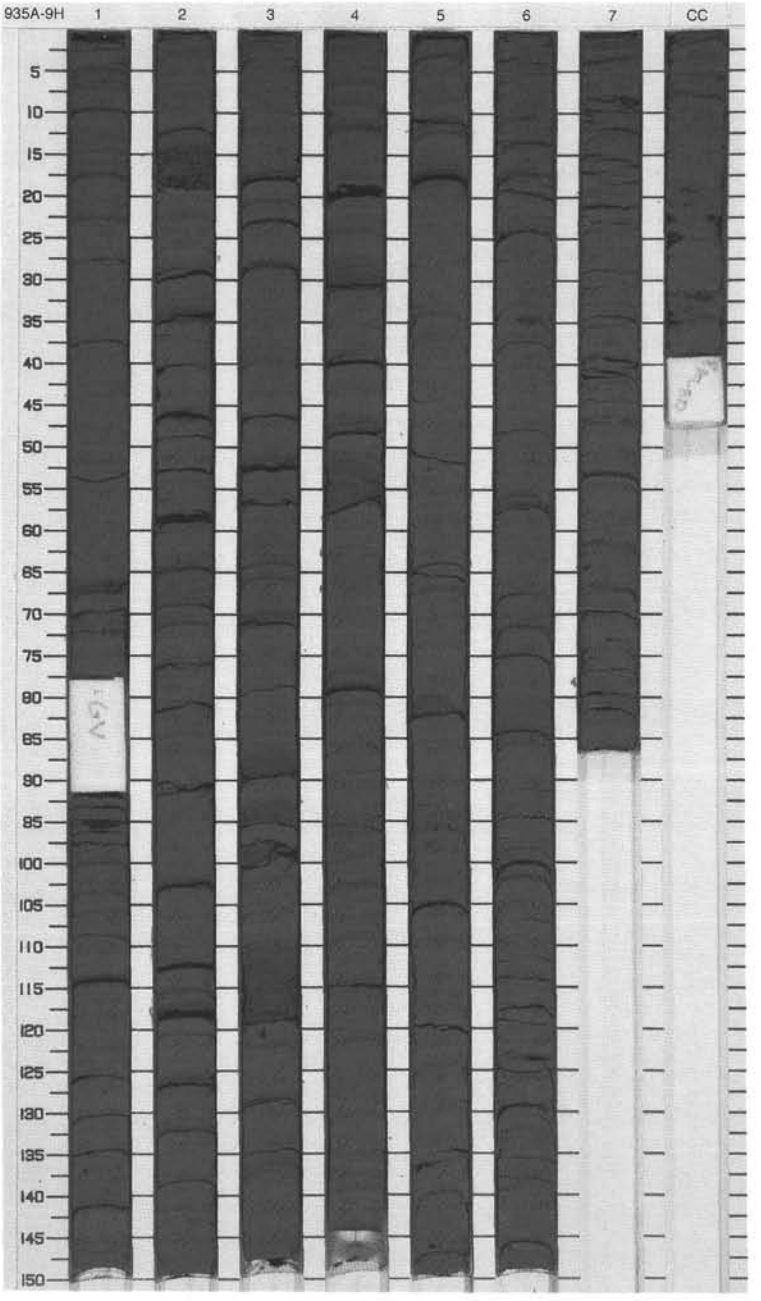
SITE 935 HOLE A CORE 8H CORED 60.5 - 70.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–9 | | 1–7, CC | late Pleistocene | | | I, M | 5Y 3/1 | SILTY CLAY WITH SILT LAMINAE<br><br>Major Lithology:<br>This core consists of very dark gray silty clay with numerous silt laminae that occur from the top of the core down to the base of Section 5. Color banding is common from the top of Section 1 through Section 4, 50 cm. A concretion of hydrotroilite occurs at 60 cm in Section 7. |



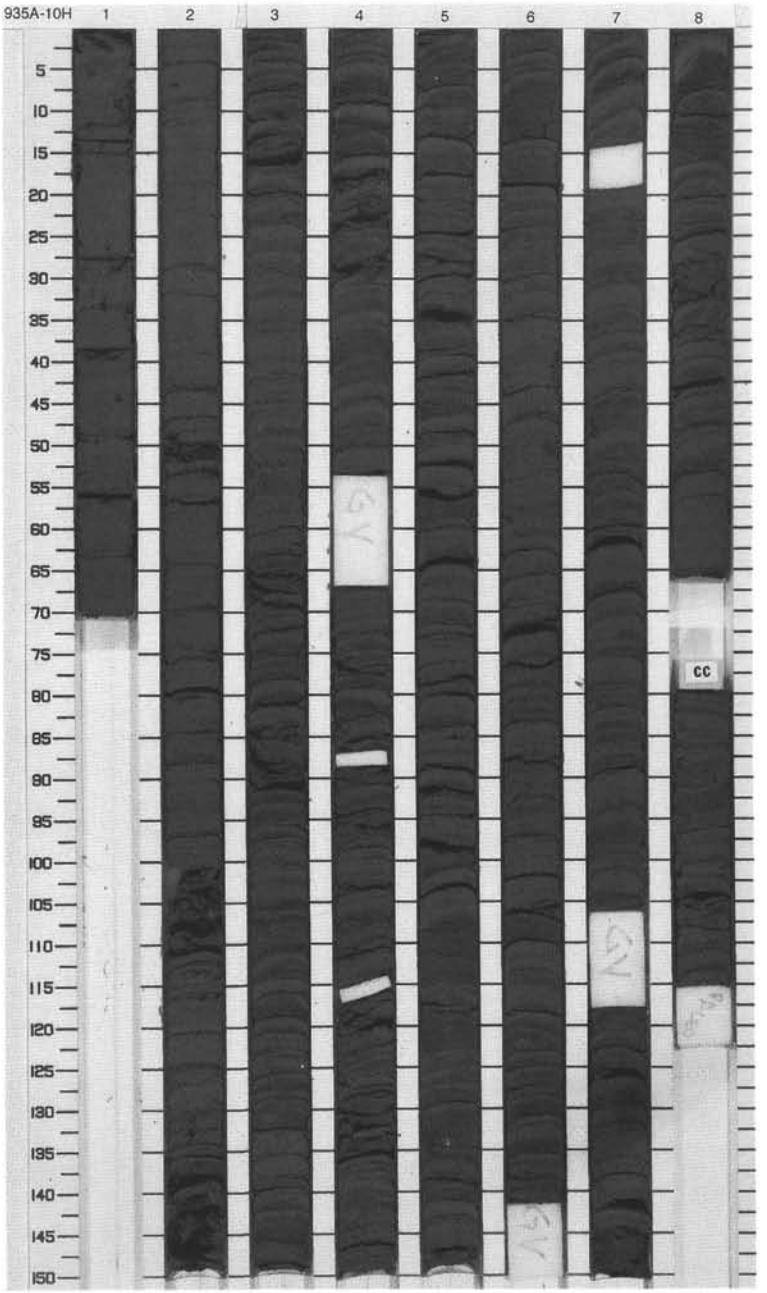
SITE 935 HOLE A CORE 9H CORED 70.0 - 79.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–10 | | 1–7, CC | late Pleistocene | | | M | 5Y 3/1 | SILTY CLAY WITH SILT BEDS AND LAMINAE<br><br>Major Lithology:<br>This core consists of very dark gray silty clay with numerous silt laminae and occasional silt beds. Some of the silt beds contain cross-lamination. |



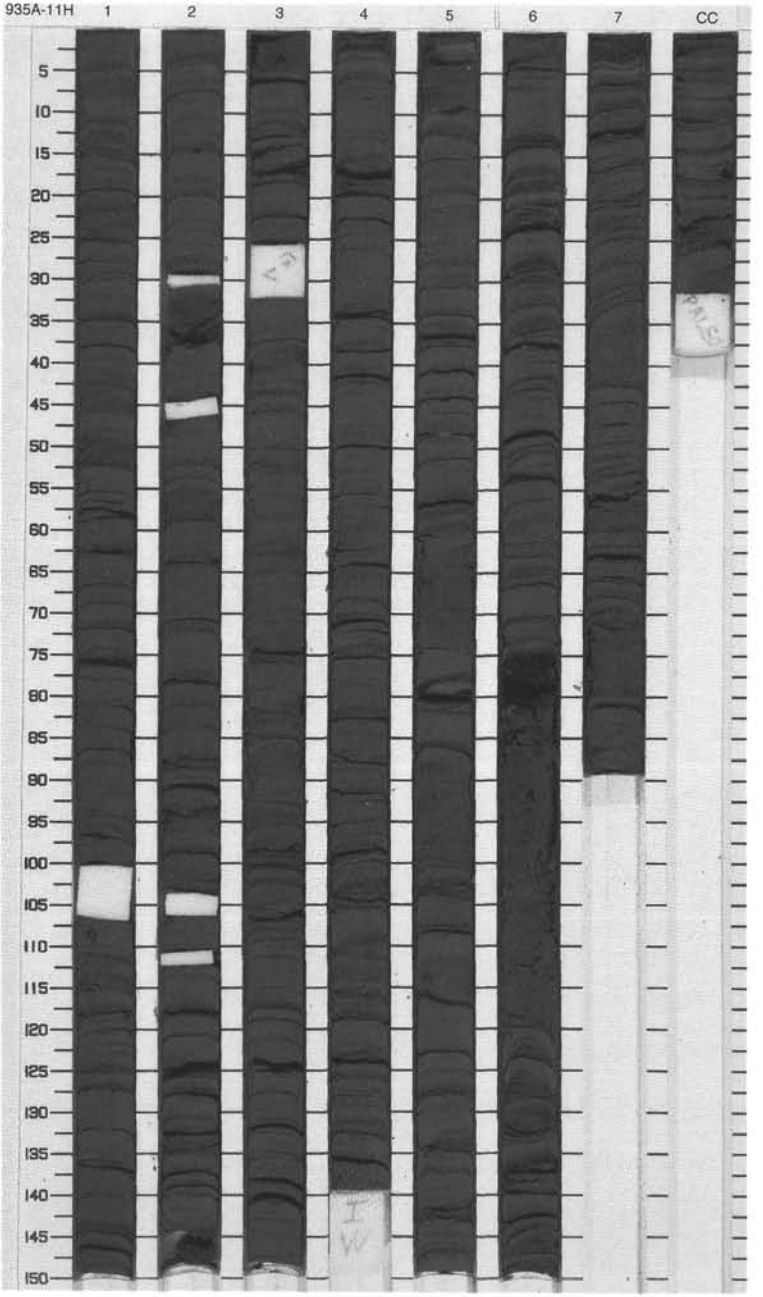
SITE 935 HOLE A CORE 10H CORED 79.5 - 89.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–10 | | 1–7, CC | late Pleistocene | | | M | 5Y 4/1 | SILTY CLAY WITH SILT BEDS AND LAMINAE<br><br>Major Lithology:<br>This core consists of very dark gray silty clay with numerous thin silt beds/couplets and silt laminae. |



SITE 935 HOLE A CORE 11H CORED 89.0 - 98.5 mbsf

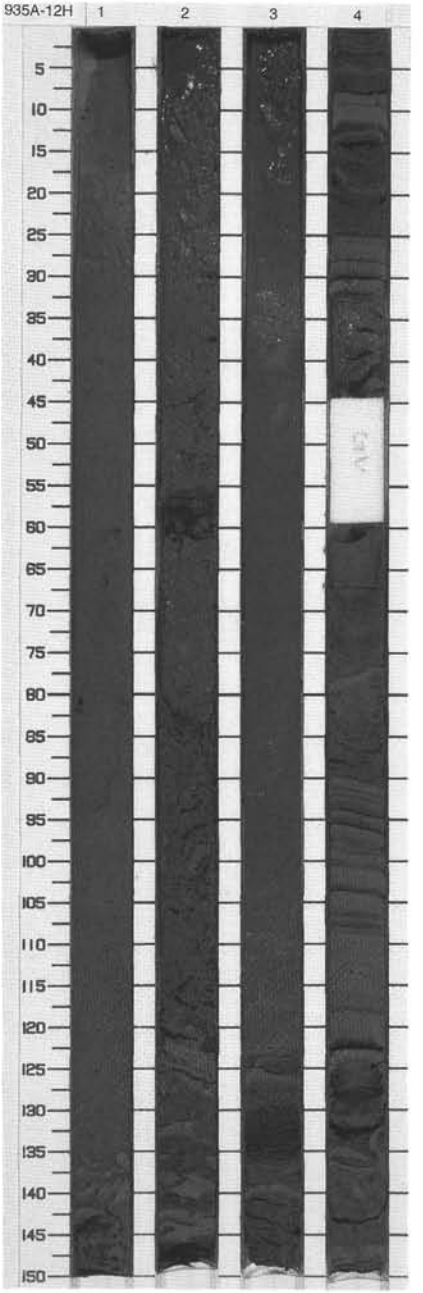
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–10 | | 1, 2, 3, 4, 5, 6, 7, CC | late Pleistocene | | | I, M | 5Y 4/1 | SILTY CLAY WITH SILT BEDS AND LAMINAE and SILT AND FINE SAND BEDS<br><br>Major Lithologies:<br>This core consists of very dark gray silty clay that contains silt laminae, thin silt beds, and thin to medium silt and fine sand beds. Many of the beds are graded. |



SITE 935 HOLE A CORE 12H CORED 98.5 - 104.6 mbsf

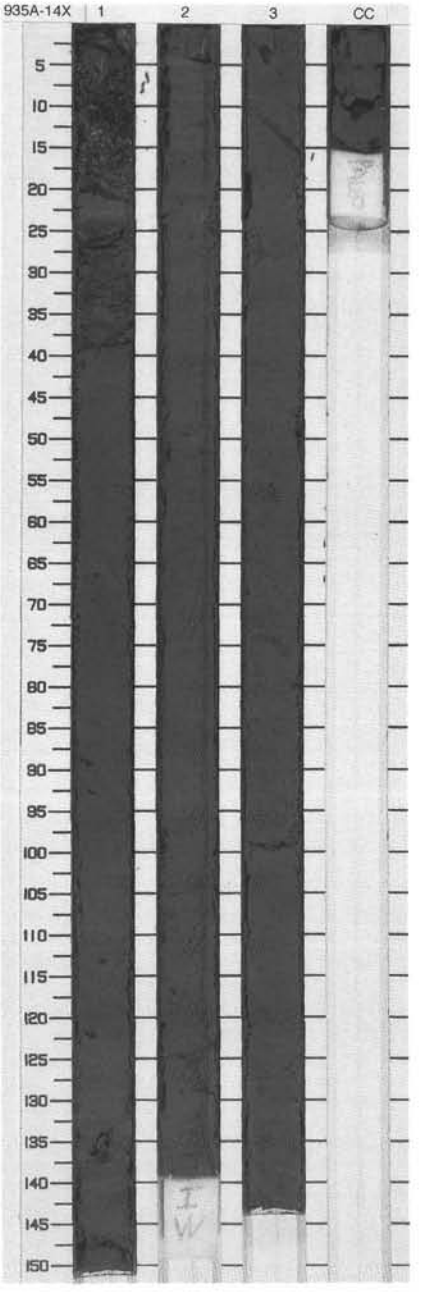
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–6 | | 1, 2, 3, 4, CC | late Pleistocene | | | M | 5Y 5/2; 5Y 4/1 | MEDIUM TO FINE SAND AND SILTY CLAY<br><br>Major Lithology:<br>Sections 1 through 3 consist of olive gray fine to medium sand. The interval from the top of Section 4 to the bottom of the core contains intervals of dark gray sand and silty clay. Some of the silty clay contains silt laminae and thin silt and fine sand beds.<br><br>General Description:<br>*This core contains lithologies which have been disturbed by coring.* |

935A 13X NO RECOVERY



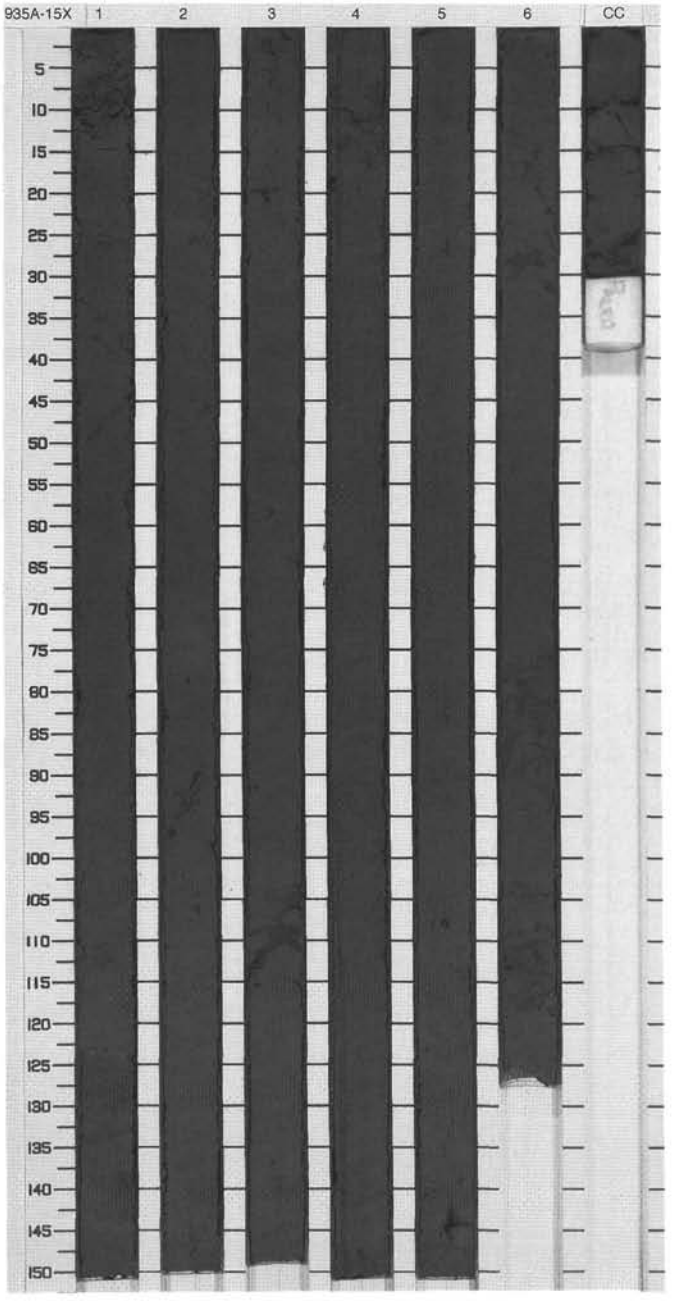
SITE 935 HOLE A CORE 14X CORED 112.7 - 122.3 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–4 | | 1, 2, 3, CC | late Pleistocene | | O | I, M | 5Y 3/1 | SILTY CLAY<br><br>Major Lithology:<br>This core consists of very dark gray silty clay. Concretions of hydrotroilite occur in Sections 1 and 2. |



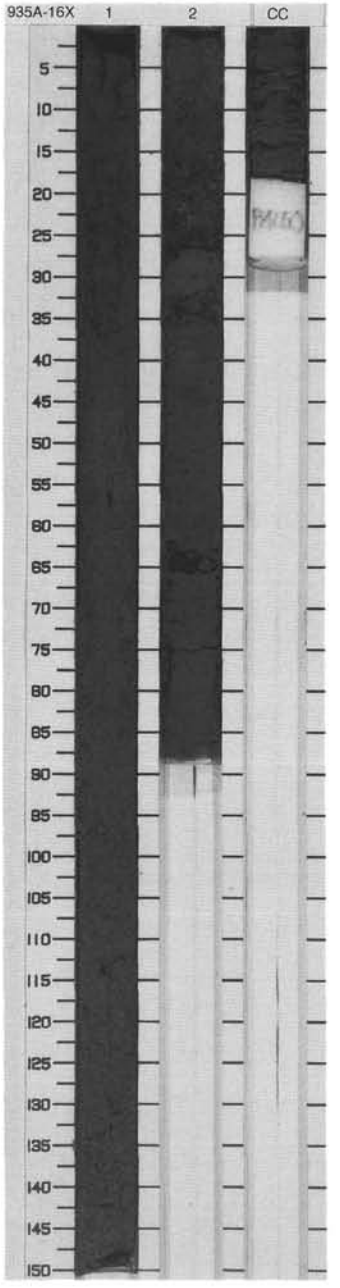
SITE 935 HOLE A CORE 15X CORED 122.3 - 132.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–9 | | 1–6, CC | late Pleistocene | ⊙ | | M | 5Y 3/1 | SILTY CLAY<br><br>Major Lithology:<br>This core consists of very dark gray structureless silty clay. A hydrotroilite concretion occurs in Section 5 at 107 cm.<br><br>General Description:<br>The sediment within this core appears to have been disturbed by rotary drilling. |



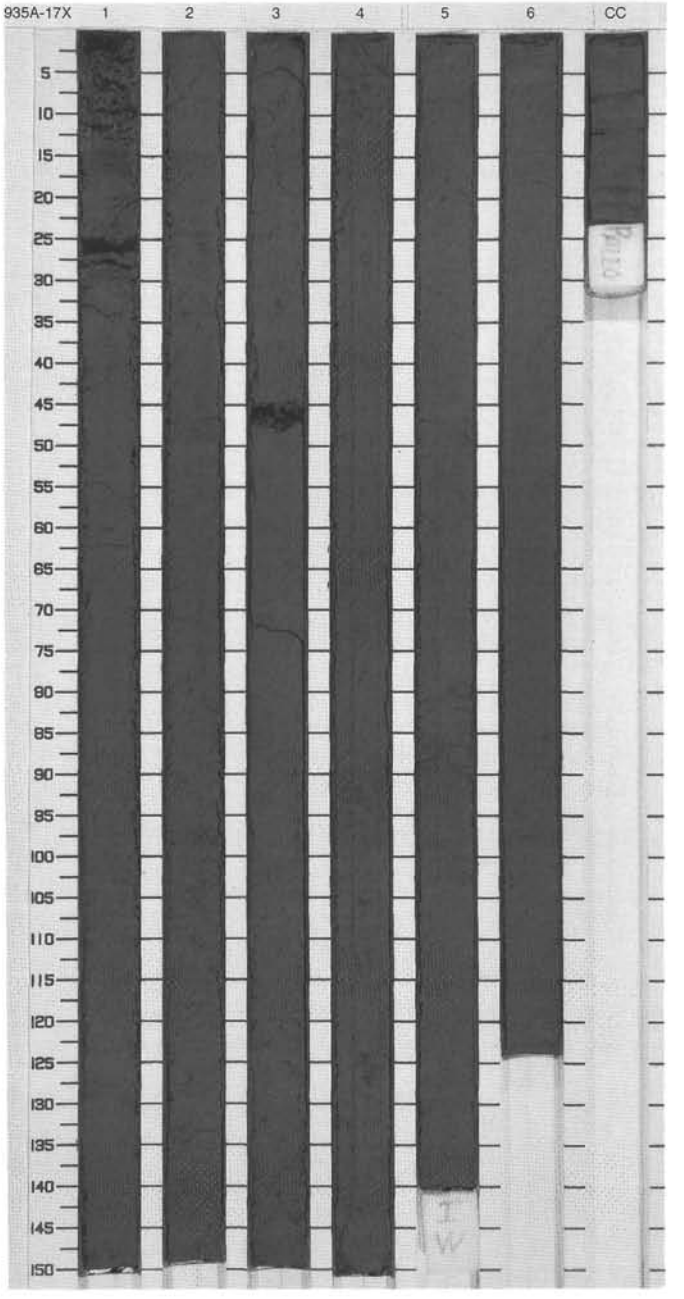
SITE 935 HOLE A CORE 16X CORED 132.0 - 141.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1 | | 1 | | | | | 5Y 4/1 To 2.5Y 4/2 | SAND and SILTY CLAY<br><br>Major Lithologies:<br>In this core, Section 1 through Section 2, 27 cm, contains sand; the interval fines upward from dark greenish brown coarse to dark gray very fine sand. Below 27 cm in Section 2, the sediment is composed of a very dark gray silty clay. The contact between the sand and clay is marked by an 11-cm-thick area of sand intercalated with clasts composed of very dark gray silty clay. Nannofossils are abundant in some clay clasts. |
| 2 | | 2 | | | | S | | |
| | | CC | | | | M | 5Y 3/1 | |



SITE 935 HOLE A CORE 17X CORED 141.1 - 151.4 mbsf

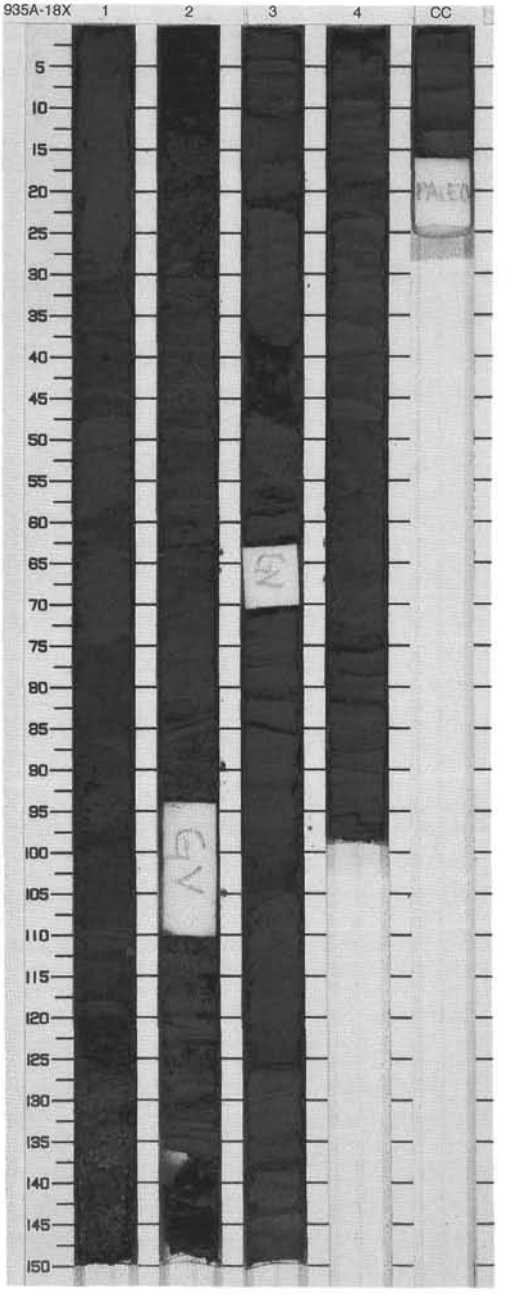
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–9 | | 1, 2, 3, 4, 5, 6, CC | late Pleistocene | | ○○ | I, M | 5Y 3/1 | SILTY CLAY<br><br>Major Lithology:<br>This core consists of very dark gray silty clay. The silty clay displays a "wood-grain"-like structure that may have been produced by rotary drilling. |



SITE 935 HOLE A CORE 18X CORED 151.4 - 160.9 mbsf

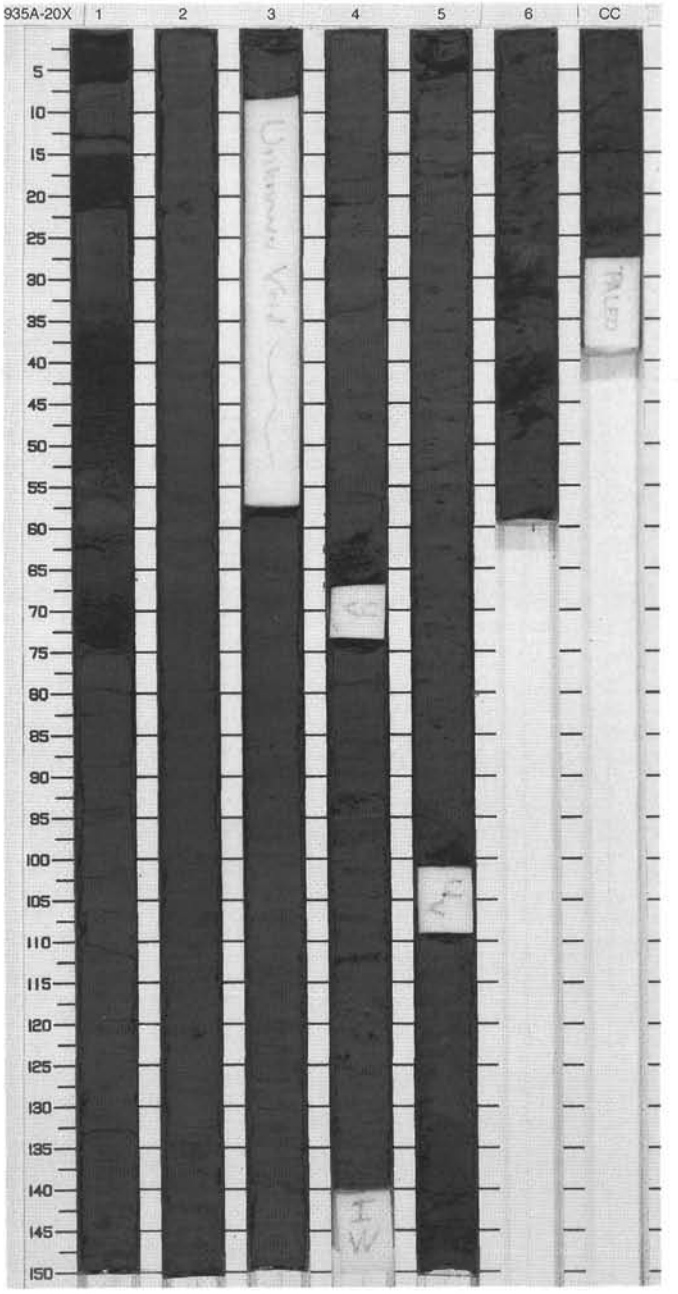
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–5 | Void | 1–4, CC | late Pleistocene | | | M | 5Y 3/1 | SILTY CLAY WITH SILT AND SAND BEDS<br><br>Major Lithology:<br>Beds of sand and silt are intercalated with very dark gray silty clay in this core. Silt and sand beds are commonly graded and laminated. |

935A 19X NO RECOVERY



SITE 935 HOLE A CORE 20X CORED 170.4 - 180.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–8 | Void | 1–6, CC | late Pleistocene | | | I, M | 5Y 3/1 To N2; 5Y 3/1; 5Y 3/1 To N2 | GRADED SAND BEDS and SILTY CLAY<br><br>Major Lithologies:<br>Two fining-upward sequences with black sand at the base and very dark gray clay at the top occur from the top of the core through Section 1, 75 cm. The remainder of this core consists of very dark gray silty clay. Few silt blebs are scattered throughout the silty clay. The blebs may be remnants of discrete silt laminae or beds that have been deformed by rotary drilling. |

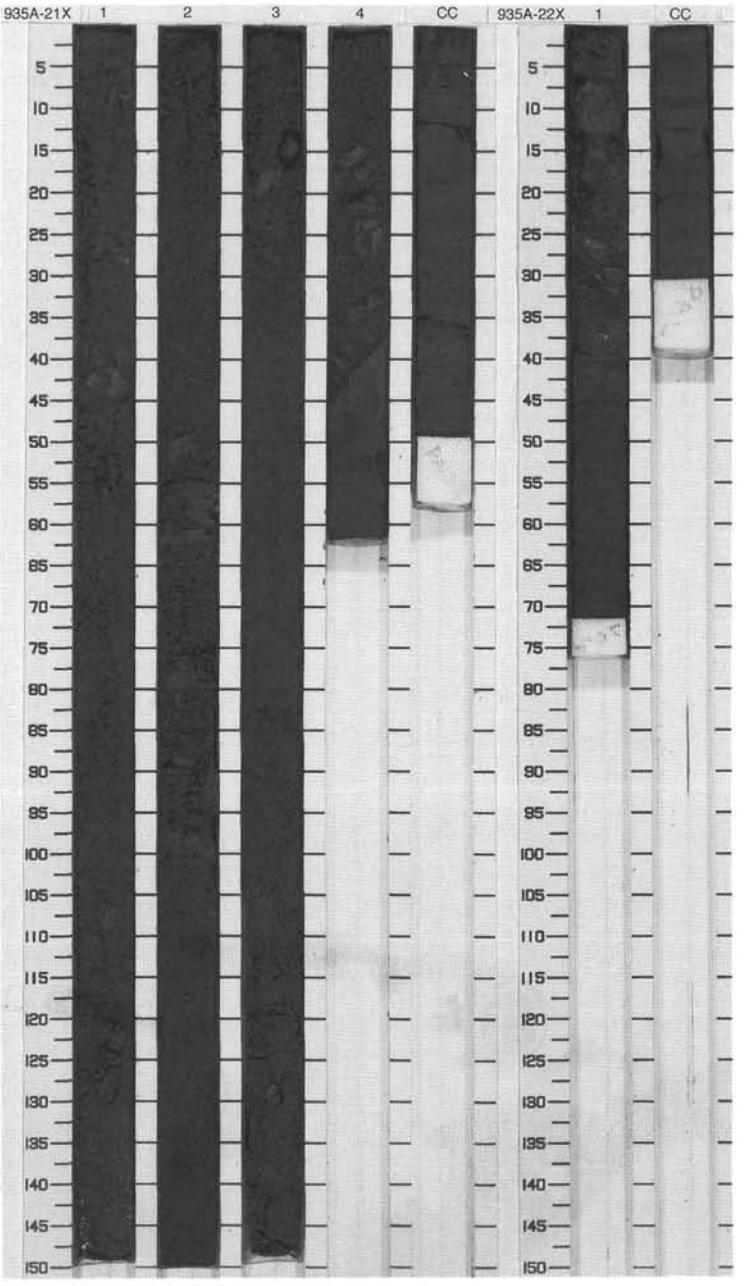


SITE 935 HOLE A CORE 21X CORED 180.0 - 189.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–5 | | 1, 2, 3, 4, CC | late Pleistocene | | | | 5Y 3/2; 5Y 4/2; 5Y 3/1 | SAND WITH MUD CLASTS and SILTY CLAY<br><br>Major Lithologies:<br>From the top of the core through Section 4, 40 cm, the sediment consists of dark olive gray coarse sand that contains numerous mud clasts. The sand is poorly sorted with a grain size that ranges from fine to granule (3 mm). The mud clasts are very dark gray (5Y 3/1) to grayish-brown (10YR 5/2) and are about 5 cm in diameter. Beneath the sharp sand contact, the sediment consists of very dark gray silty clay with a few silt laminae. |

SITE 935 HOLE A CORE 22X CORED 189.6 - 199.3 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1 | | 1, CC | | | | M | 5Y 3/1 | SAND WITH MUD CLASTS and SILTY CLAY WITH SILT LAMINAE<br><br>Major Lithologies:<br>The upper 39 cm of Section 1 consists of dark gray sand with angular mud clasts. A well-rounded 3-cm-diameter fine-grained sand clast occurs at 30 cm in Section 1. Beneath a scoured contact at 39 cm in Section 1, very dark gray silty clay with several silt laminae is the dominant lithology in the core. |

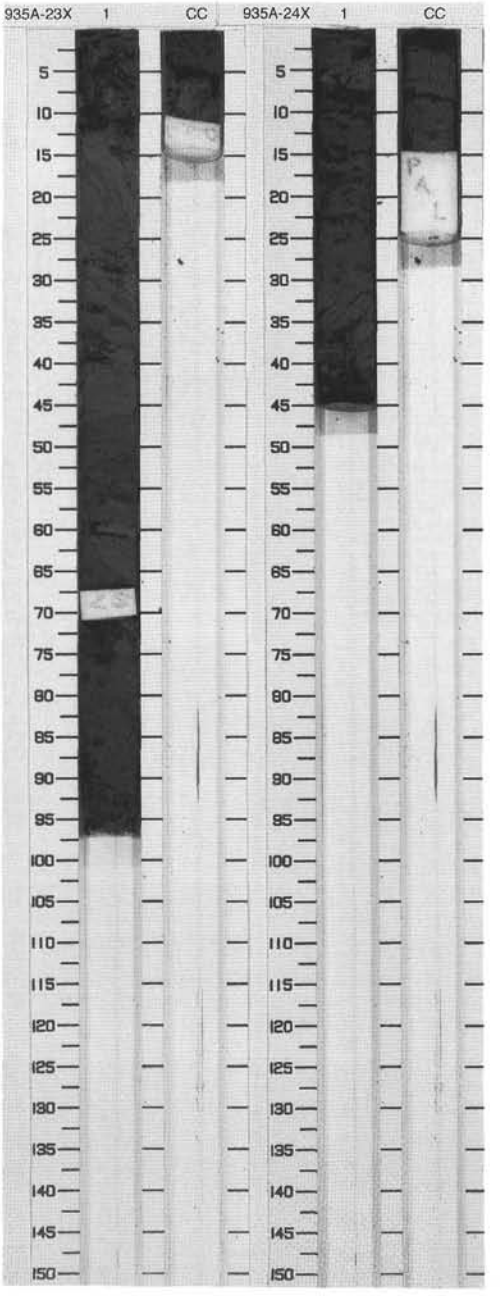


SITE 935 HOLE A CORE 23X CORED 199.3 - 209.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1 | | 1<br>CC | | | | S<br>M | 5Y 3/1 | SILTY CLAY WITH SANDY SILT BEDS and SAND WITH MUD CLASTS<br><br>Major Lithologies:<br>A 67-cm-thick sequence of very dark gray silty clay, containing sandy silt beds, overlies a fine sand containing mud clasts in this core. |

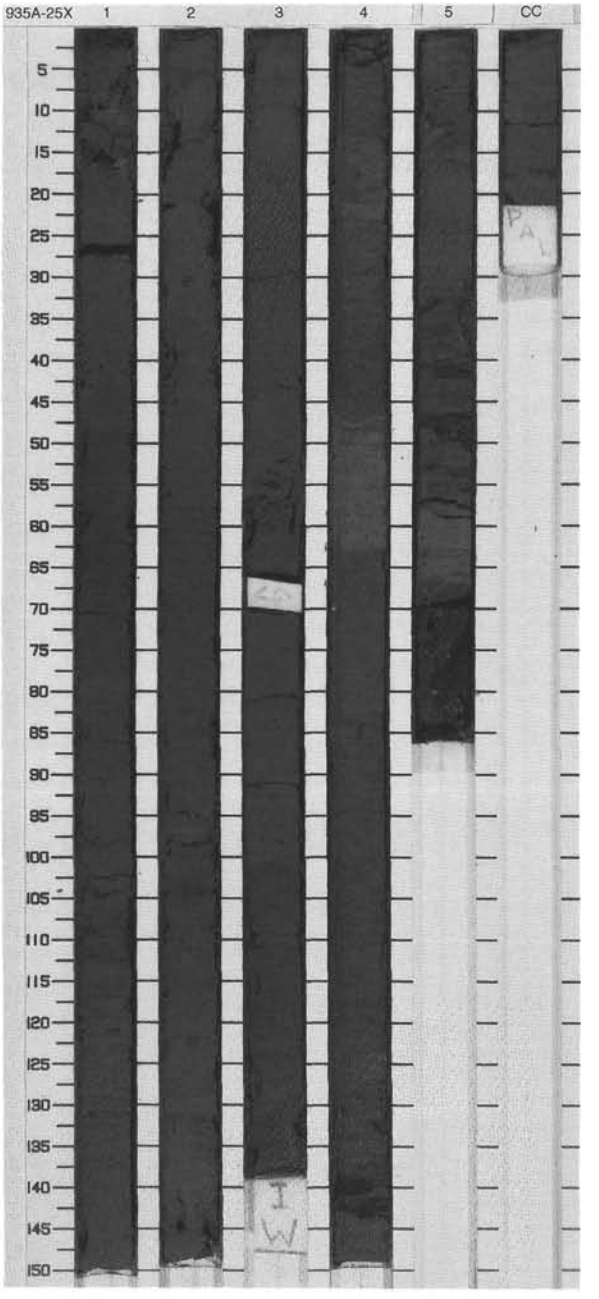
SITE 935 HOLE A CORE 24X CORED 209.0 - 218.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| | | 1<br>CC | | | | M | 5Y 3/1 | CLAY WITH SILT BEDS<br><br>Major Lithology:<br>The core consists of a very dark gray clay. Several silt beds containing iron monosulfide micronodules are interbedded within the clay. |



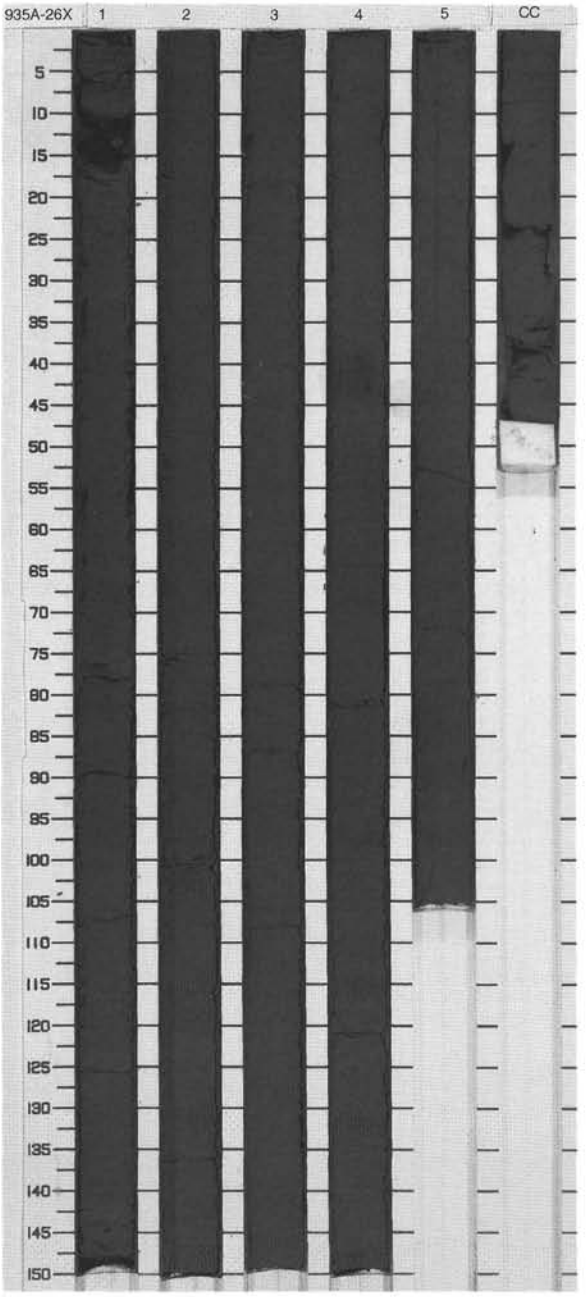
SITE 935 HOLE A CORE 25X CORED 218.6 - 228.2 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–7 | | 1, 2, 3, 4, 5, CC | late Pleistocene | ◆ | X | I, M | 5Y 3/1 | SILTY CLAY<br><br>Major Lithology:<br>This core consists of very dark gray silty clay. Sections 4 and 5 contain carbonate-rich clay clasts.<br><br>General Description:<br>This core has been disrupted by rotary drilling. |



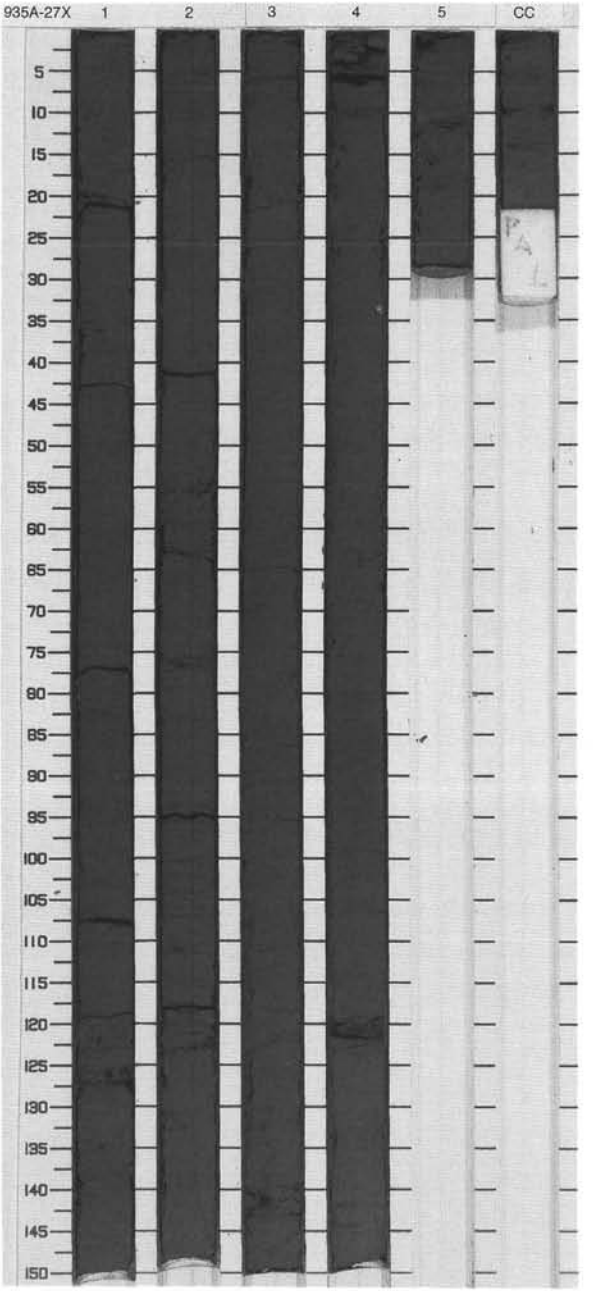
SITE 935 HOLE A CORE 26X CORED 228.2 - 237.8 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–7 | | 1, 2, 3, 4, 5, CC | late Pleistocene | | | M | 5Y 3/1 To 5Y 4/1 | SILTY CLAY<br><br>Major Lithology:<br>This core consists of very dark gray and dark gray silty clay.<br><br>General Description:<br>The material in this core has been deformed by rotary drilling. |



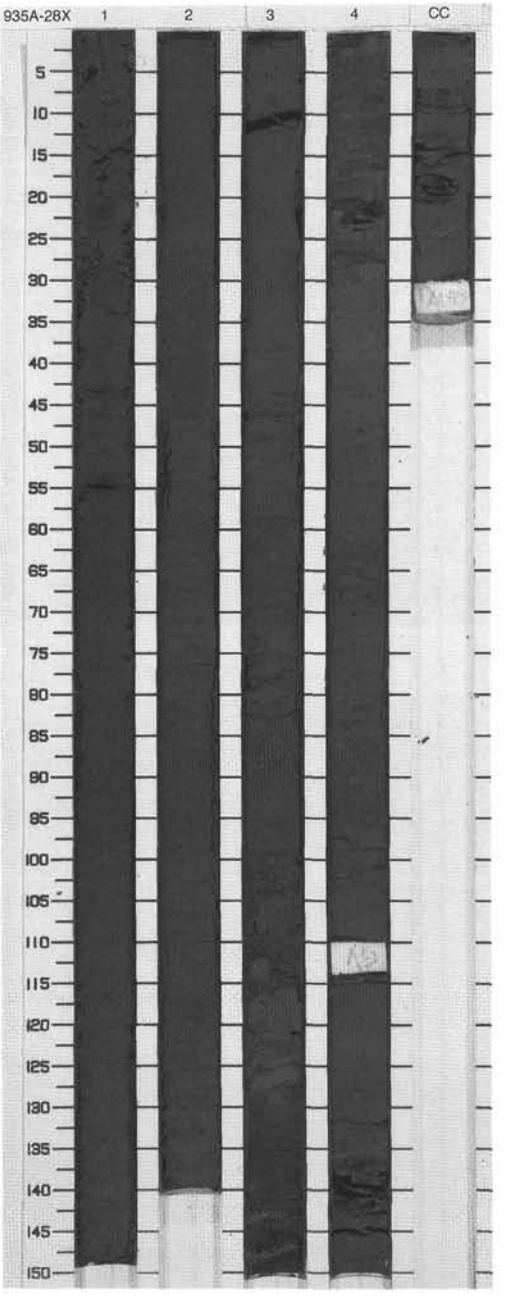
SITE 935 HOLE A CORE 27X CORED 237.8 - 247.4 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–6 | | 1, 2, 3, 4, 5, CC | late Pleistocene | | | M | 5Y 3/1 | SILTY CLAY<br><br>Major Lithology:<br>This core consists of very dark gray silty clay.<br><br>General Description:<br>The material in this core has been disrupted by rotary drilling. |



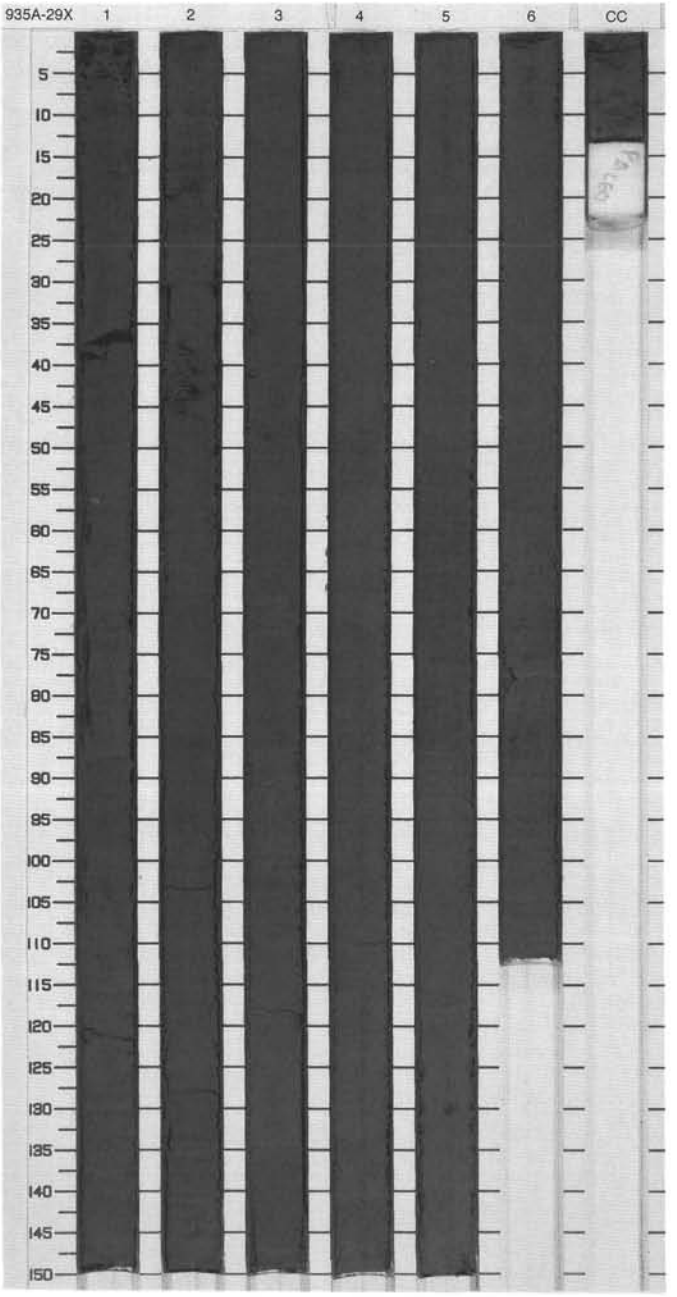
SITE 935 HOLE A CORE 28X CORED 247.4 - 257.1 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–6 | | 1, 2, 3, 4, CC | late Pleistocene | | | I, S, M | 5GY 4/1 | SILTY CLAY<br><br>Major Lithology:<br>The dominant lithology in this core is very dark gray structureless silty clay. The interval Section 3, 101–150 cm, appears to be a mud clast. A nannofossil-rich clay clast is located in Section 4, 28–60 cm.<br><br>General Description:<br>Much of the primary fabric of this core has been altered by rotary drilling. |



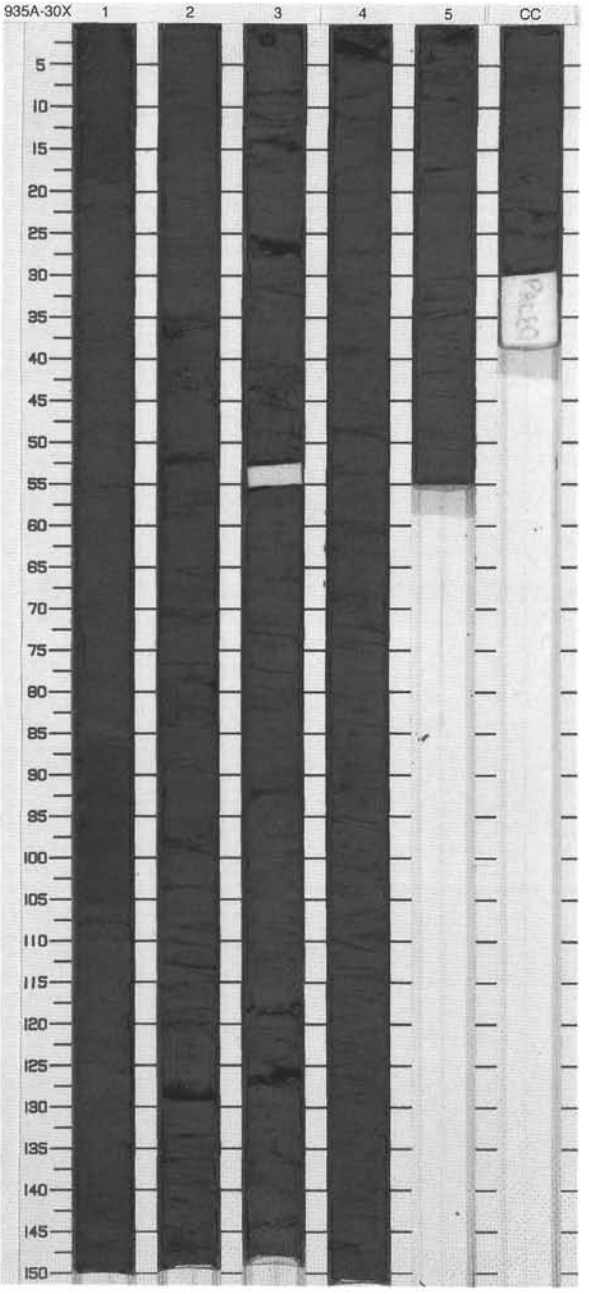
SITE 935 HOLE A CORE 29X CORED 257.1 - 266.7 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–8 | | 1, 2, 3, 4, 5, 6, CC | late Pleistocene | | | M | 5Y 4/1 | SILTY CLAY<br><br>Major Lithology:<br>The sediment in this core consists of very dark gray silty clay.<br><br>General Description:<br>The primary fabric of the sediment has been altered by rotary drilling. |



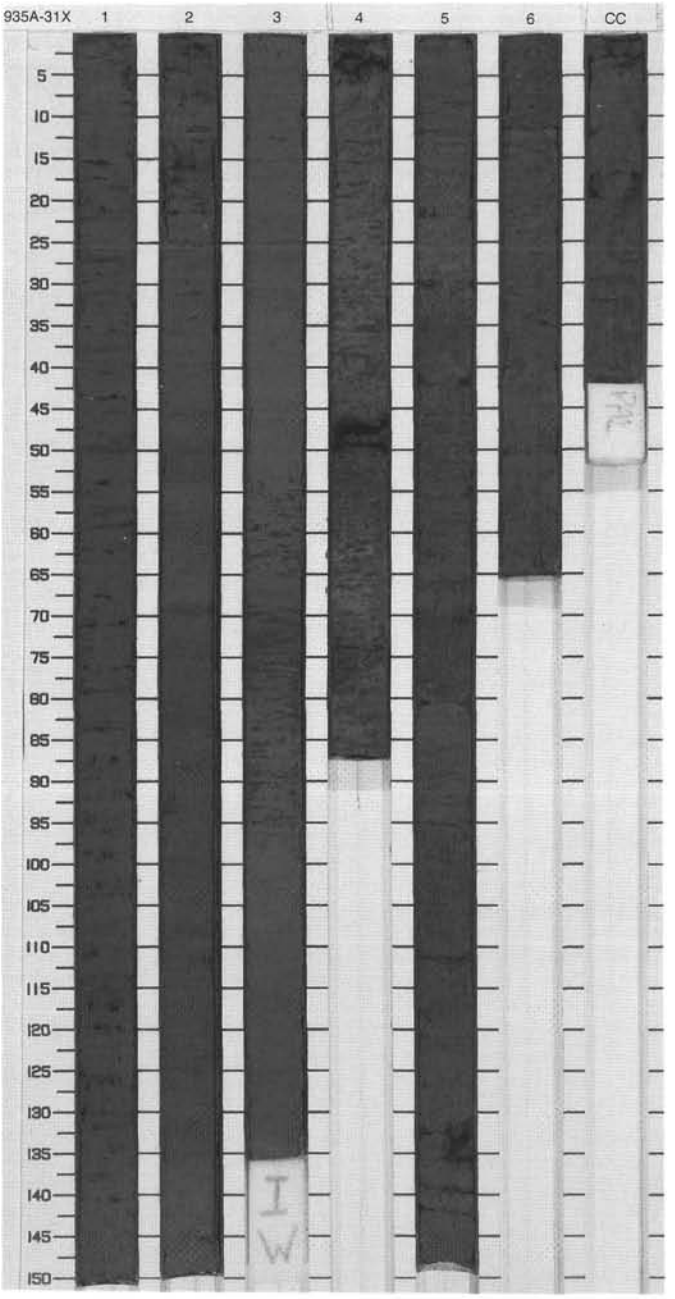
SITE 935 HOLE A CORE 30X CORED 266.7 - 276.3 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–6 | | 1, 2, 3, 4, 5, CC | late Pleistocene | ≋ ≋ | X | S, M | 5GY 4/1 | SILTY CLAY<br><br>Major Lithology:<br>This core consists of grayish olive green silty clay that contains highly distorted silt laminae ("wood-grain" pattern).<br><br>General Description:<br>Much of the primary fabric has been disrupted by rotary drilling. |



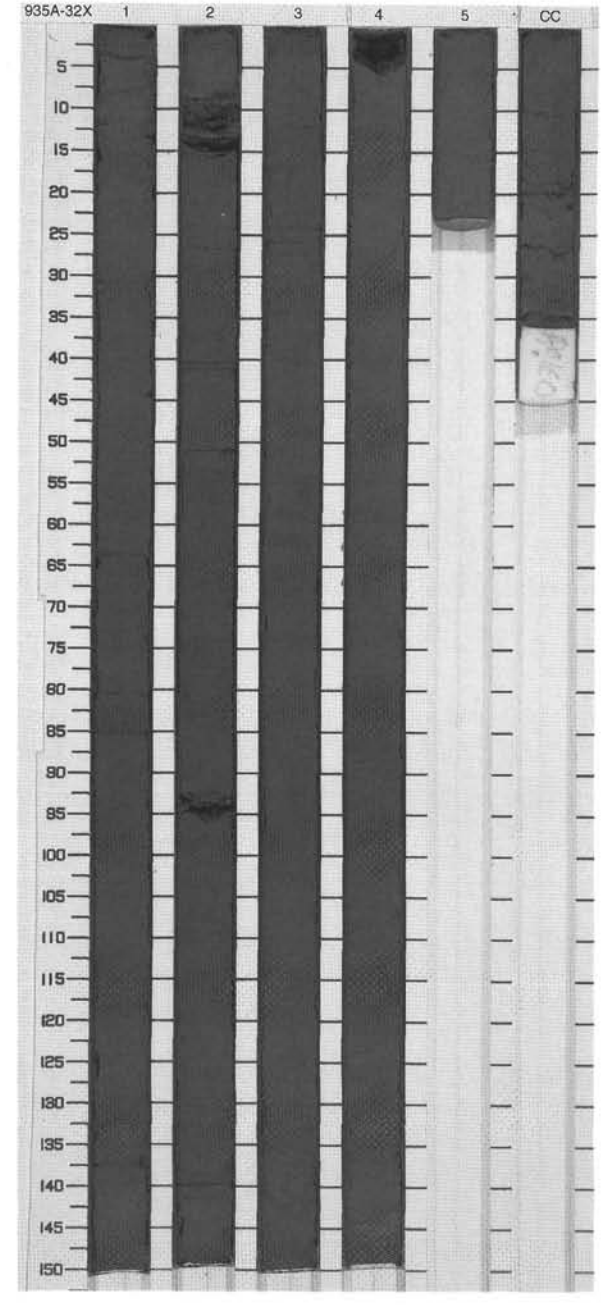
SITE 935 HOLE A CORE 31X CORED 276.3 - 286.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–8 | | 1 | middle Pleistocene | | | S | 5GY 2/1 | NANNOFOSSIL CLAY and FORAMINIFER CLAY<br><br>Major Lithologies:<br>Greenish gray to very dark gray nannofossil-bearing clay is the dominant sediment in this core. The uppermost 25 cm of Section 1 is composed of foraminifer-bearing clay. Black mottling due to disseminated iron monosulfide occurs throughout the core. |
| | | | | | | | 5Y 3/1 | |
| | | 2 | | | | S | | |
| | | | | | | | 5GY 4/1 | |
| | | 3 | | | | | | |
| | | 4 | | | | I | | |
| | | 5 | | | | | 5GY 5/1 | |
| | | 6 | | | | | | |
| | | CC | | | | M | | |



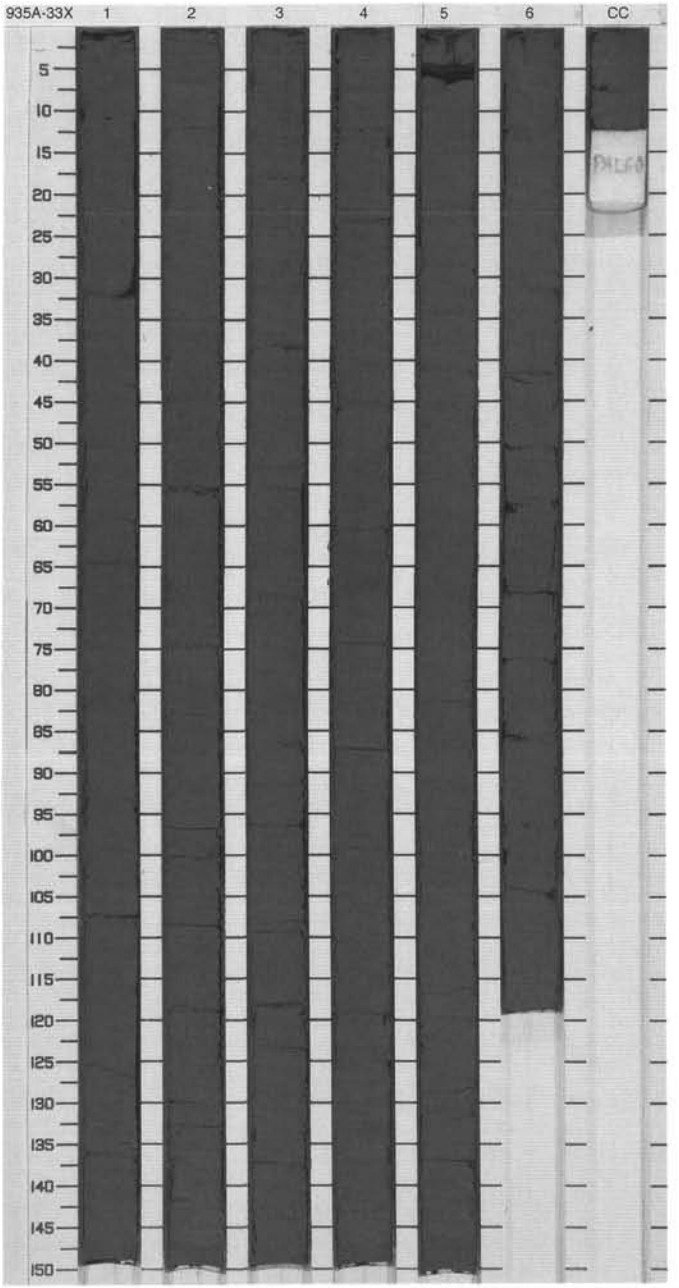
SITE 935 HOLE A CORE 32X CORED 286.0 - 295.7 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–6 | | 1, 2, 3, 4, 5, CC | middle Pleistocene | | | S, M | 5Y 3/1 | SILTY CLAY WITH SILT LAMINAE<br><br>Major Lithology:<br>This core consists of very dark gray silty clay that contains silt laminae spaced at intervals between 20 to 50 cm. |



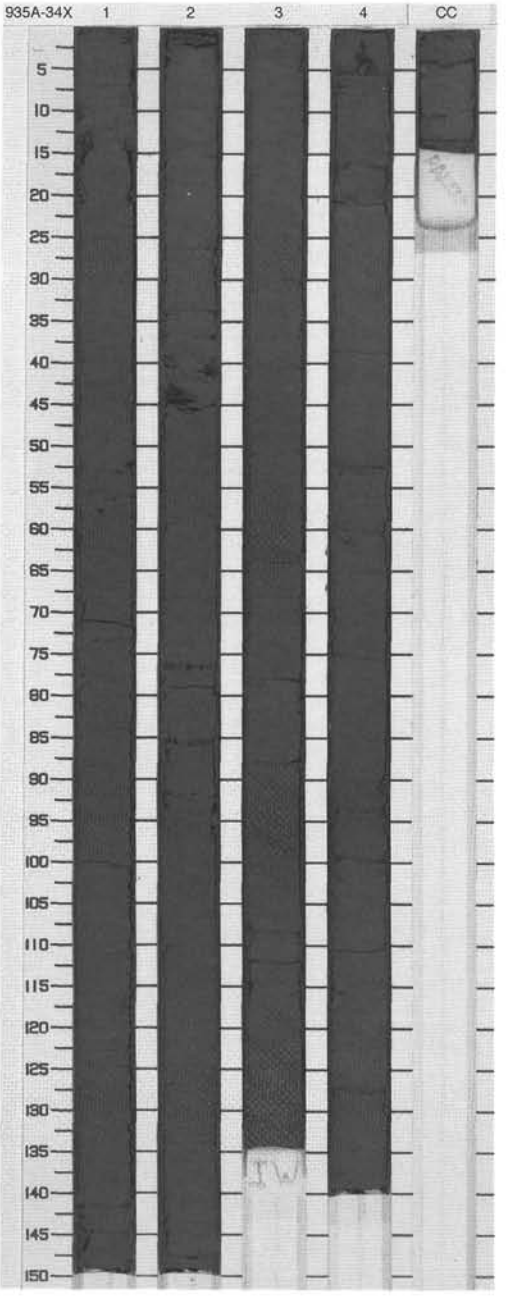
SITE 935 HOLE A CORE 33X CORED 295.7 - 305.3 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–8 | | 1, 2, 3, 4, 5, 6, CC | middle Pleistocene | | WW | M | 5Y 3/1 To 5Y 3/2 | SILTY CLAY WITH SILT LAMINAE<br><br>Major Lithology:<br>A very dark gray silty clay is the dominant sediment in this core. Individual silt laminae occur at irregular spacing (5 to 100 cm). |



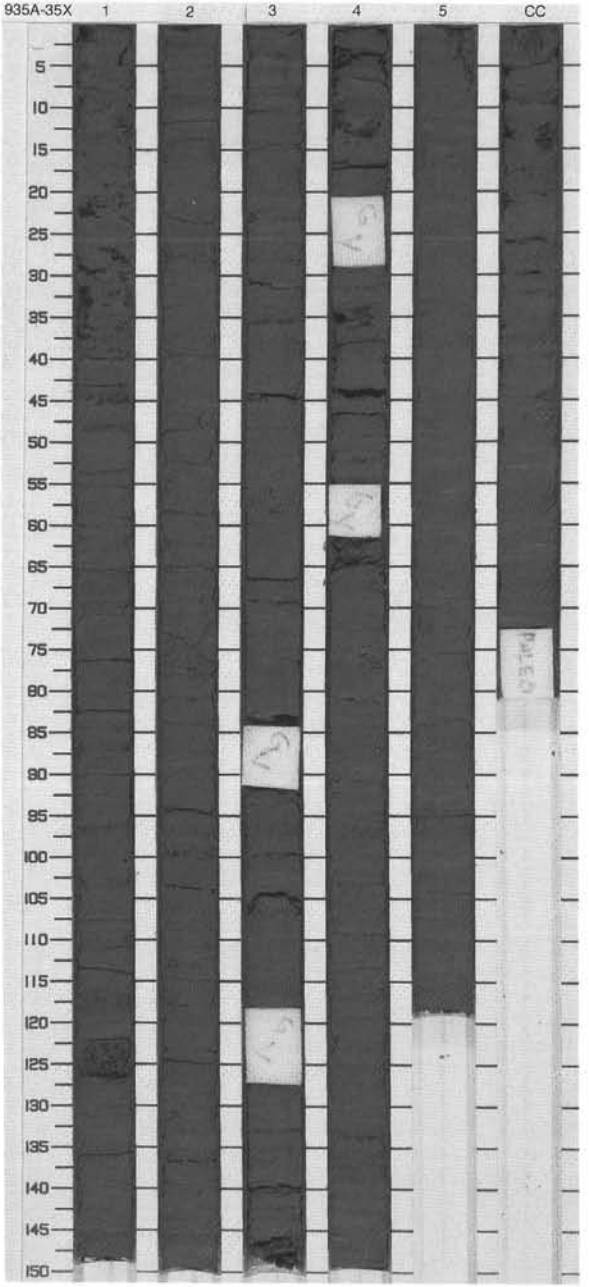
SITE 935 HOLE A CORE 34X CORED 305.3 - 315.0 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–6 | | 1, 2, 3, 4, CC | middle Pleistocene | | | S, I, M | 5Y 3/1 | SILTY CLAY WITH SILT LAMINAE<br><br>Major Lithology:<br>This core consists of very dark gray silty clay with silt laminae. |



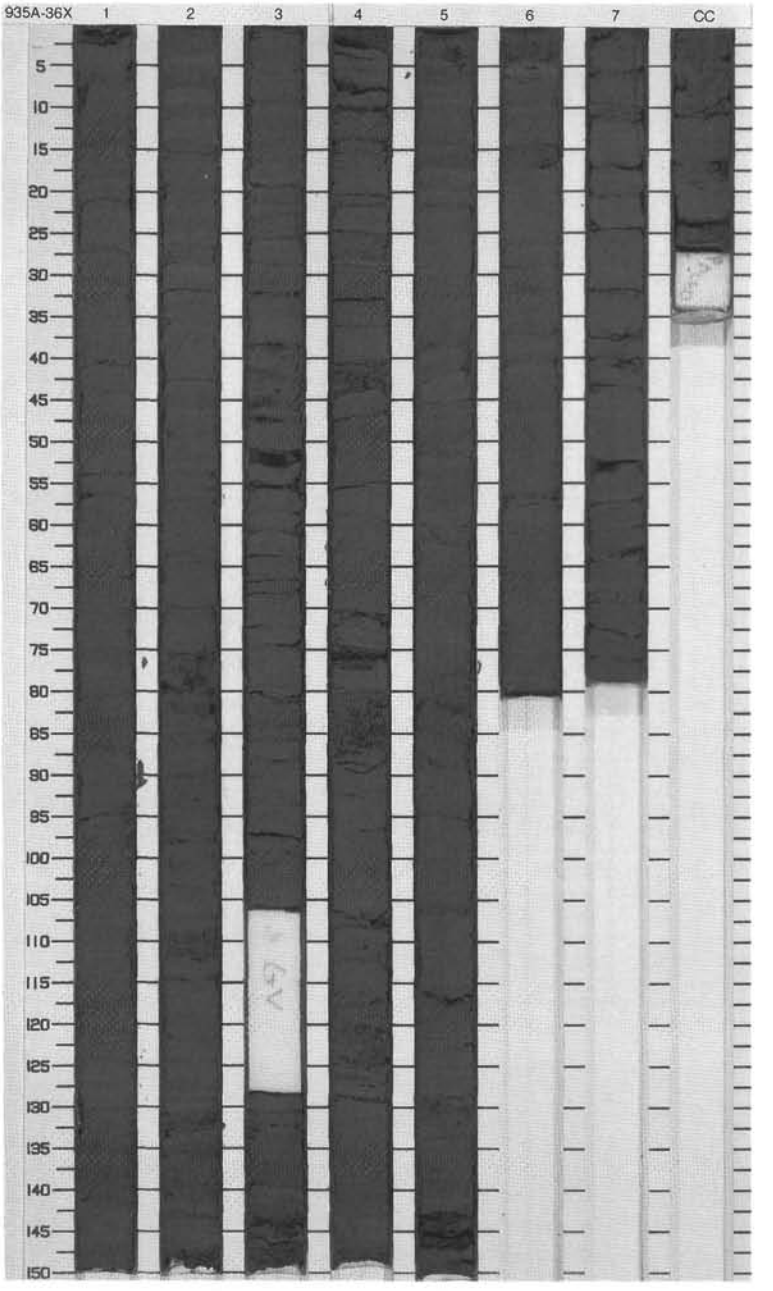
SITE 935 HOLE A CORE 35X CORED 315.0 - 324.7 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–7 | | 1, 2, 3, 4, 5, CC | middle Pleistocene | | W | M | 5Y 3/1 | SILTY CLAY WITH SANDY SILT BEDS<br><br>Major Lithology:<br>In this core, very dark gray silty clays are interbedded with thin sandy silt beds. The silt beds display internal lamination, cross-lamination, and normally graded bedding. |



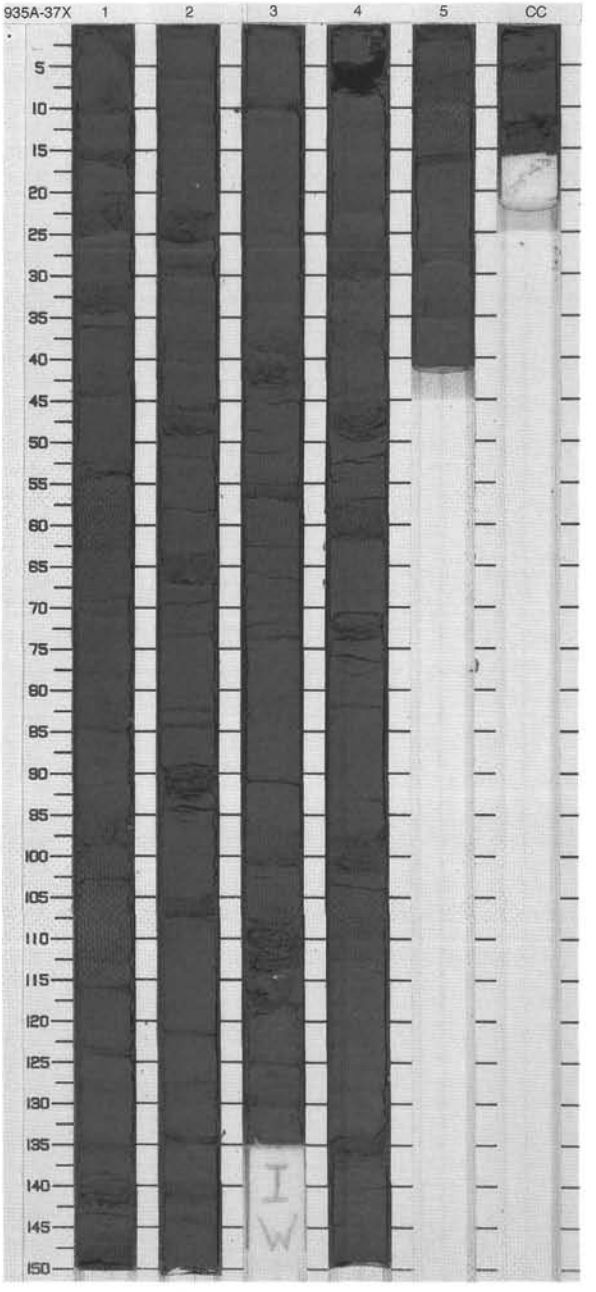
SITE 935 HOLE A CORE 36X CORED 324.7 - 334.3 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–9 | | 1–7, CC | middle Pleistocene | | WWWWWWW | M | 5Y 3/1 | SILTY CLAY WITH SILT LAMINAE AND BEDS<br><br>Major Lithology:<br>This core consists of very dark gray silty clays that are interbedded with silt laminae. The beds are between 1 and 5 cm thick, and some are parallel or cross-laminated and graded. |



SITE 935 HOLE A CORE 37X CORED 334.3 - 343.9 mbsf

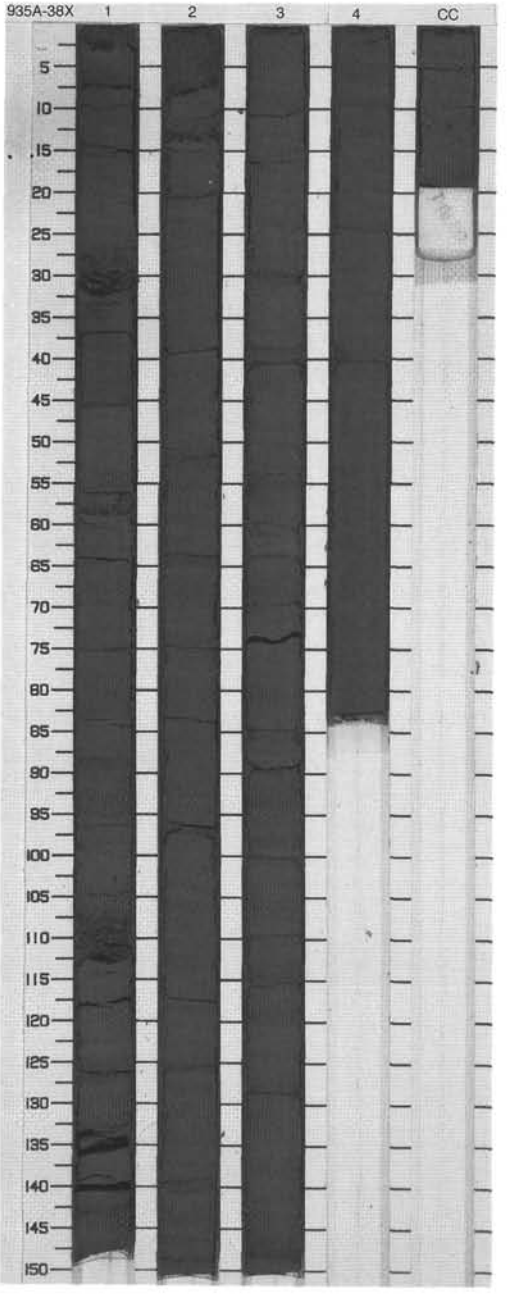
| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–6 | | 1, 2, 3, 4, 5, CC | middle Pleistocene | | | I, M | 5Y 4/1 | SILTY CLAY WITH SILT LAMINAE AND SILT BEDS<br><br>Major Lithology:<br>This core contains dark gray silty clay with numerous silt laminae and thin (1–5-cm-thick) silt beds. Some of the beds are cross-laminated. |



SITE 935 HOLE A CORE 38X CORED 343.9 - 353.5 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–5 | | 1, 2, 3, 4, CC | middle Pleistocene | | | M | 5Y 4/1 | SILTY CLAY WITH SILT LAMINAE AND SILT BEDS<br><br>Major Lithology:<br>This core is composed of very dark gray silty clay with numerous silt laminae and thin (1–5-cm-thick) silt beds. |

935A 39X NO RECOVERY



SITE 935 HOLE A CORE 40X CORED 363.0 - 372.6 mbsf

| Meter | Graphic Lith. | Section | Age | Structure | Disturb | Sample | Color | Description |
|---|---|---|---|---|---|---|---|---|
| 1–6 | | 1, 2, 3, 4, CC | middle Pleistocene | | | I, M | 5Y 3/2 | SILTY CLAY WITH SILT LAMINAE AND SILT BEDS<br><br>Major Lithology:<br>This core is composed of dark olive gray silty clay with numerous silt laminae and thin (1–5 cm thick) silt beds. Many of the beds appear disrupted, possibly as a result of moderate bioturbation. Some beds are cross-laminated. |