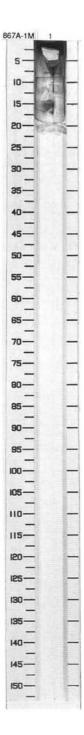
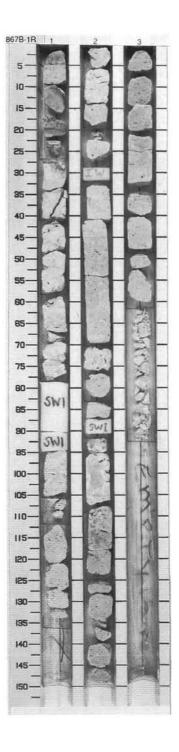
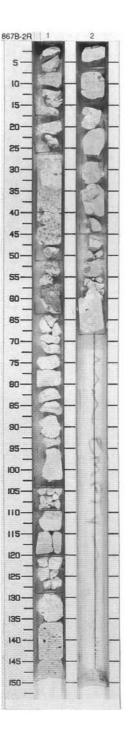
| SIT   | E 867 H          | IOL     | E   | A CORE                         | 11      | CORED 0.0 - 10.0 mbsf |             |  |
|-------|------------------|---------|-----|--------------------------------|---------|-----------------------|-------------|--|
| Meter | Graphic<br>Lith. | Section | Age | Structure<br>and<br>Components | Disturb | Sample                | Color       | Description  |
| 1     | FFFF             | 1       |     |                                | Ţ       | М                     | 10YR<br>8/2 | FLOATSTONE  Major Lithology: FLOATSTONE, white (10YR 8/2), with  |
|       |                  |         |     |                                |         |                       |             | partially recrystallized micrite, coated grains, bivalve fragments ( <i>Gervillia</i> ? and probable caprinid rudist), gastropods, lithoclasts, red algae, voids filled with sparry calcite. Some encrustation of larger shell fragments, algal fragments.  Minor Lithologies: BOUNDSTONE, as a clast with <i>Lithophaga</i> and sponge borings. |

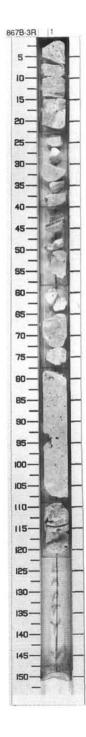


| SIT   | E 867 F          |          | E          |                                |                      |         |                                  | CORED 0.0 - 8.1 mbsf  |
|-------|------------------|----------|------------|--------------------------------|----------------------|---------|----------------------------------|---|
| Meter | Graphic<br>Lith. | Section  | Age        | Structure<br>and<br>Components | Disturb              | Sample  | Color                            | Description   |
| ω Met |                  | 1 2 Sect | Albian Ago |                                | X HHHHHHHHHHHHH DIST | T T P I | 10YR<br>8/2<br>To<br>10YR<br>8/3 | FLOATSTONE, WACKESTONE, GRAINSTONE, RUDSTONE, PACKSTONE, and FORAMINIFER-NANNOFOSSIL CHALK Major Lithologies: FORAMINIFER-NANNOFOSSIL CHALK phosphatized, yellowish-brown (10YR 5/4), locally conglomeratic, with mm-scale rounded clasts, and impregnated with black (10YR 2/1) manganese dendrites, which rests directly on FLOATSTONE in Section 1, 0–29 cm. FLOATSTONE, white to very pale brown (10YR 8/2 to 10YR 8/3), contains well-rounded intraclasts of MUDSTONE and abundant rudist debris occasional gastropods, corals and green algae, set in a matrix of peloidal micrite. This lithology occurs in Section 1, 0–136 cm, Section 2, 0–14 cm and 43–92 cm and Section 3, 61–93 cm, where it contains sparse cm-scale  |
|       |                  |          |            |                                |                      |         |                                  | oncoids. Local void spaces are filled with sparry calcite and impregnated with manganese dendrites, these latter being particularly common in Section 1. Section 1 has local intercalations of WACKESTONE. Section 2, 14–43 cm contains peloidal PACKSTONE, white (10YR 8/2) with many oyster and rudist fragments and corals. Section 2, 92–118 cm comprises WACKESTONE, peloidal, with shell fragments, rudists and corals, blackened intraclasts, large vugs, an obvious burrow and is phosphatized. Section 2, 118–150 cm and Section 3, 0–38 cm are composed of RUDSTONE with imbricated clasts of rudist and gastropod fragments, commonly with micrite envelopes, peloids, and thin crusts. Section 3, 38–61 cm is a very pale brown (10YR 8/3) GRAINSTONE-RUDSTONE that contains local keystone vugs. |



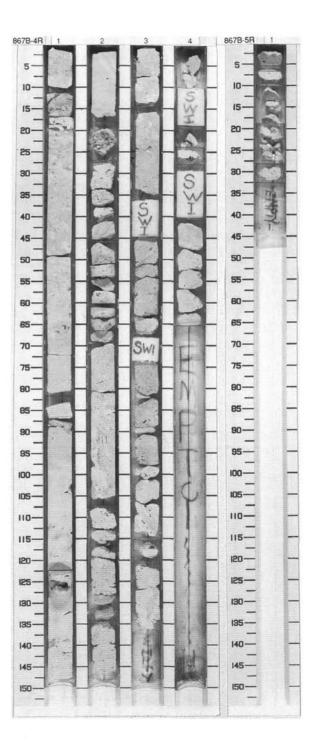


| SIT   | E 867 H                      | IOL     | E         | B CORE                         | 3F          |        | CORED 15.1 - 18.1 mbsf   |   |
|-------|------------------------------|---------|-----------|--------------------------------|-------------|--------|--------------------------|---|
| Meter | Graphic<br>Lith.             | Section | Age       | Structure<br>and<br>Components | Disturb     | Sample | Color                    | Description   |
| W W   | Lith.  WWW WWW WWW FFFF FFFF | oog 1   | Albian Ag |                                | PIN PIN DIS | TTP    | 8/2<br>To<br>10YR<br>8/3 | MUDSTONE, WACKESTONE, RUDSTONE, and FLOATSTONE  Major Lithologies: WACKESTONE, very pale brown (10YR 8/3), with bivalve shell fragments and gastropods. Interval 0–22 cm contains angular black pebbles, is brecciated and includes internal cavities filled with laminated sediment, some of which is phosphatized. Interval 22-40 cm comprises WACKESTONE-MUDSTONE, white (10YR 8/1), with peloids. Interval 40–65 cm, is a brown (10YR 6/3), phosphatized WACKESTONE, some of which is a cavity fill. Interval 65–78 cm is constituted by RUDSTONE, very pale brown (10YR 8/4), containing rudist fragments and some gastropods. Interval 78–122 cm is a FLOATSTONE, very pale brown (10YR 8/3), with abundant shell fragments, intraclasts of cm-scale, some blackened and with much vuggy porosity, a portion of which is occluded |
|       |                              |         |           |                                |             |        |                          | by mm-laminated cavity fills. Intervals, 78–79 cm and 116–121 cm contain such cavity fills and are associated with phosphatization.   |



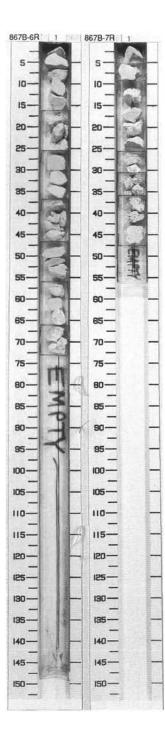
| SIT   | E 867 F                                 | OL      | E      | B CORE                         | = 4     |                       |                   | CORED 18.1 - 24.5 mbsf   |
|-------|---|---------|--------|--------------------------------|---------|-----------------------|-------------------|--|
| Meter | Graphic<br>Lith.                        | Section | Age    | Structure<br>and<br>Components | Disturb | Sample                | Color             | Description  |
| other | 8888<br>8888                            | 1       |        | ® ◆                            |         | P <sub>T</sub>        | 10YR<br>7/1       | PACKSTONE, GRAINSTONE,<br>RUDSTONE, WACKESTONE, and<br>MUDSTONE  |
| 1     | 99999999999999999999999999999999999999  |         |        | 8<br>(V)<br>(B)(V)             |         | w                     | 10YR<br>8/2       | Major Lithologies:<br>Section 1, 0–63 cm is PACKSTONE,<br>light gray (10YR 7/1), with bivalve and<br>gastropod fragments. Black  |
| 2     | В₿GG<br>МИМА<br>МИМА                    | 2       | Albian | \$ \$                          |         | w <sub>P</sub>        | To<br>10YR<br>8/3 | lithoclasts occur throughout this interval. Section 1, 63 cm to Section 2, 70 cm is GRAINSTONE and RUDSTONE, white (10YR 8/2) to very  |
| 3_    | 9999                                    |         | 1      | В                              |         | w                     |                   | pale brown (10YR 8/3), peloidal, with<br>many large mollusc fragments, rare<br>coral, some keystone vugs. Section 2,<br>70–150 cm is bioturbated   |
| 4_    | 000000000000000000000000000000000000000 | 3       |        | 8                              |         | w                     | 10YR<br>8/1       | WACKESTONE with some cm-size upright oriented bivalves. Section 3, 0–150 cm is GRAINSTONE, white (10YR 8/1), peloidal, with large  |
| 5_    |   | 4       |        | 8                              | -       | w T<br>W <sub>P</sub> | 10YR<br>8/3       | bivalve-fragments and molds, rare<br>coral fragments. Small blackened<br>lithoclasts occur throughout. Some<br>burrowing occurs; burrows are filled  |
|       |   |         |        |                                |         |                       |                   | with white (N9) mud. Section 4 is fossiliferous MUDSTONE, very pale brown (10YR 8/3) with small mollusc fragments and molds. Cm-scale cavities with speleothem deposits and dog-tooth spar cement occur in Section 1, 123–129 cm and in Section 2, 21–26 cm. All the material is well-cemented, the coarser-grained intervals contain abundant moldic and some vuggy porosity. |
|       |   |         |        |                                |         |                       |                   | Minor Lithology:<br>Section 1, 0–30 cm contains small<br>clasts of PHOSPHORITE. A horizon of<br>laminated PHOSPHORITE cavity-fill<br>occurs in Section 1, 19–23 cm.  |

| Meter      | Graphic<br>Lith.     | Section | Age    | Structure<br>and<br>Components | Disturb | Sample | Color       | Description  |
|------------|----------------------|---------|--------|--------------------------------|---------|--------|-------------|--|
| THE PERSON | ы ы ы ы<br>ы ы ы ы ы | 1       | Albian |                                |         | ТР     | 10YR<br>8/1 | WACKESTONE  Major Lithology: 0–32 cm: WACKESTONE, white (10YR  |
|            |                      |         |        |                                |         |        |             | 8/1). Abundant moldic porosity of<br>high-spired gastropods and<br>thin-shelled bivalves occurs<br>throughout. |

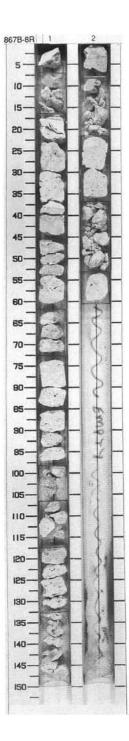


| SIT   | TE 867 H         | IOL     | E      | B CORE                         | 6       | 3              |             | CORED 33.9 - 43.2 mbsf   |  |  |
|-------|------------------|---------|--------|--------------------------------|---------|----------------|-------------|--|--|--|
| Meter | Graphic<br>Lith. | Section | Age    | Structure<br>and<br>Components | Disturb | Sample         | Color       | Description  |  |  |
| T.    | 6666<br>6666     | 1       | Albian | 8<br>8 <b>6</b>                | www     | T <sub>P</sub> | 10YR<br>8/2 | GRAINSTONE<br>Major Lithology:   |  |  |
|       |                  |         |        |                                |         |                |             | *0–73 cm: GRAINSTONE, white (10YR 8/2), peloidal, with some small bivalve shell fragments. From 0–47 cm, the material is very well sorted. From 47–73 cm, sorting is moderate. |  |  |
|       |                  |         |        |                                |         |                | :           | Minor Lithology:<br>WACKESTONE, white (10YR 8/2), with<br>gastropod and bivalve fragments,<br>occurs from 67–73 cm. One pebble<br>contains a chunk of recrystallized<br>coral. |  |  |

| Meter | Graphic<br>Lith. | Section | Age   |    | ructure<br>and<br>nponents | Disturb | Sample | Color       | Description   |
|-------|------------------|---------|-------|----|----------------------------|---------|--------|-------------|---|
| 10.00 | 00 W W           | 1       | ı     | *  | D                          |         | Т      | 10YR<br>8/1 | WACKESTONE and GRAINSTONE   |
|       |                  | A       | Albia | ın |                            |         |        |             | Major Lithologies: 0–20 cm: WACKESTONE, white (10YR 8/1) with moldic porosity of gastropods. 20–47 cm: GRAINSTONE, white (10YR 8/1), with moldic porosity. Fragments of rudists occur at 45–47 cm. The materia is well indurated. Molds are lined with dog-tooth spar cement. Black pebble intraclasts occur at 15 cm; 35 cm and 40 cm. |

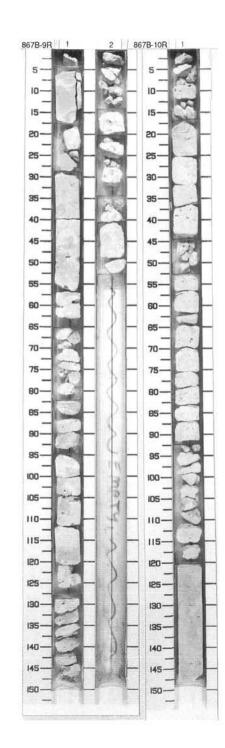


| SI    | TE 867 H         | IOL     | Ε      | B CORE                         | 8F       | _      |                                  | CORED 52.5 - 61.8 mbsf   |
|-------|------------------|---------|--------|--------------------------------|----------|--------|----------------------------------|--|
| Meter | Graphic<br>Lith. | Section | Age    | Structure<br>and<br>Components | Disturb  | Sample | Color                            | Description  |
| 1     |                  | 1       | Albian | P &                            | ^^^^^^^^ | Р      | 10YR<br>8/2<br>To<br>10YR<br>8/3 | MUDSTONE, WACKESTONE, FLOATSTONE, and RUDSTONE  Major Lithology: Section 1,0–6 cm contains MUDSTONE-WACKESTONE, white (10YR 8/1), with gastropods. In Section 6–44 cm, white to very pale brown (10YR 8/2 to 10YR 8/3), WACKESTONE-FLOATSTONE, with  |
|       |                  |         |        |                                |          |        |                                  | rudist (caprinids) fragments and small gastropods. In Section 1, 44 cm to Section 2, 6 cm, RUDSTONE-FLOATSTONE, white to very pale brown (10YR 8/2 to 10YR 8/3), with cm-scale cavities, some of which is filled with white (10YR 8/1) MUDSTONE. Section 2, 6–53 cm contains WACKESTONE, white to very pale brown (10YR 8/2 to 10YR 8/3), with blackened angular granules, rudist shells with white micritic fringes and small gastropods. In Section 2, 53–60 cm, MUDSTONE-WACKSTONE, white to very pale brown (10YR 8/2 to 10YR 8/3), with benthic foraminifers (rare) and burrows (?) infilled with light gray (10YR 7/1) MUDSTONE. |



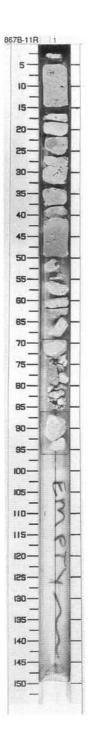
| SIT   | ΓE 867                                 | HC                                     | DLI     | E I    | B CORE                         | . 9F                                     | ٦_     |                            | CORED 61.8 - 66.4 mbsf   |
|-------|--|--|---------|--------|--------------------------------|--|--------|----------------------------|--|
| Meter | Graph<br>Lith.                         | ic .                                   | Section | Age    | Structure<br>and<br>Components | Disturb                                  | Sample | Color                      | Description  |
| 1_    | 00000000000000000000000000000000000000 | 33 33 33 33 33 33 33 33 33 33 33 33 33 | 1       | Albian | 86                             | 1- | тР     | 10YR<br>8/2<br>10YR<br>8/1 | WACKESTONE and FLOATSTONE-RUDSTONE Major Lithologies: WACKESTONE, Section 1, 0–150 cm, white (10YR 8/2) with light-colored (5YR 8/2) and very pale brown (10YR 8/3) patches, and a mottled appearance, resulting from bioturbation or  |
|       |  |  |         |        |                                |  |        |                            | water-escape features. This WACKESTONE contains abundant dark gray (10YR 4/1) intraclasts of MUDSTONE, numerous thin bivalve shells, and gastropods with moldic porosity. Section 1, 56–63 cm exhibits an example of vadose-zone cement, which has a slope of 4 degrees. A speleothem exists at the vadose phreatic boundary. FLOATSTONE-RUDSTONE, white (10YR 8/1) with abundant mollusc and bivalve debris comprises Section 2. Moldic porosity developed around the original aragonitic shell fragments, many of which contain bored cavities with MUDSTONE fills. MUDSTONE is also present as a veneer on some of the large bioclasts. |

| SIT   | E 867 H                               | IOL     | E.     | B CORE                         | 10      | CORED 66.4 - 68.4 mbsf |             |  |
|-------|---------------------------------------|---------|--------|--------------------------------|---------|------------------------|-------------|--|
| Meter | Graphic<br>Lith.                      | Section | Age    | Structure<br>and<br>Components | Disturb | Sample                 | Color       | Description  |
| 1     | P P P P P P P P P P P P P P P P P P P | 1       | Albian | <b>\$</b> 68                   | XXXXX   | ТР                     | 10YR<br>8/1 | PACKSTONE and MUDSTONE  Major Lithologies: PACKSTONE, white (10YR 8/1), with   |
| -     |                                       |         |        | Φ                              | ×       |                        | 10YR<br>8/2 | abundant shell debris, dark gray<br>intraclasts, internal molds of borings,<br>and moldic porosity produced by<br>dissolution of gastropod shells. The                               |
|       |                                       |         |        |                                |         |                        |             | 17–19 cm interval consists of coral.<br>MUDSTONE (in 93–150 cm), white,<br>(10YR 8/2) contains sparse fauna<br>including bivalves, dasycladacean<br>algae, and benthic foraminifers. |

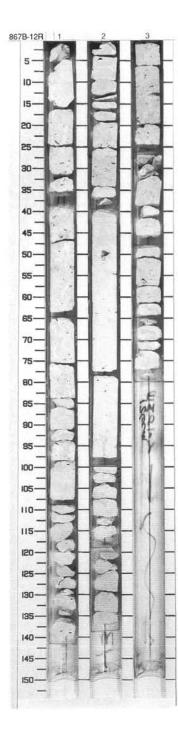


| Meter     | Graphic<br>Lith.                         | Section | Age    | Structure and | Disturb | Sample | Color                            | Description   |
|-----------|--|---------|--------|---------------|---------|--------|----------------------------------|---|
| 2         | L STANK                                  | Š       | 1      | Components    | ā       | Sa     | 0                                | Hindebuss of Novertailans   |
| Lientinen | ы ы ы ы<br>ы ы ы ы<br>м м м м<br>м м м м | 1       | Albian | 8 6 1         | 1111    | P      | 10YR<br>8/2<br>To<br>10YR<br>8/3 | WACKESTONE and MUDSTONE  Major Lithology: WACKESTONE (0–49 cm), white to very pale brown (10YR 8/2 to 10YR 8/3), with numerous dark gray (10YR 4/1) intraclasts, gastropods (as molds), and benthic foraminifers (miliolids). Many small thin-shelled bivalves. The interval 49–96 cm contains MUDSTONE, very pale brown (10YR 8/3) with very small bioclasts and benthic foraminifers (miliolids). |

615

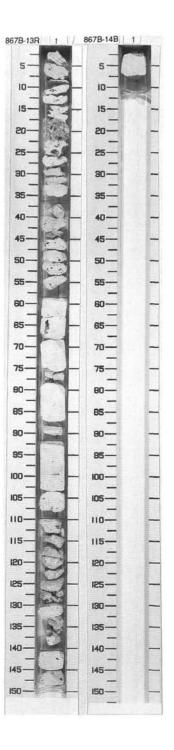


| SITE 867 I    | HOL   | E  | B CORE                         | 1       | 2R     |       | CORED 71.4 - 75.3 mbsf  |
|---------------|---|--|--------------------------------|---------|--------|-------|---|
| Graphic Lith. | Section   | Age  | Structure<br>and<br>Components | Disturb | Sample | Color | Description   |
| 1             | PACKSTONE  PACKSTONE  Major Lithology: Section 1, 0-22 cm of MUDSTONE, white ( few small high-spired and granule- to small intraclasts. Small bor mm in diam.) occur. Section 2, 33 cm con WACKESTONE, whiti bivalve (including rud shell fragments and b gray, 10YR 4/1) intra | Major Lithology: Section 1, 0–22 cm contains MUDSTONE, white (10YR 8/2), with a few small high-spired gastropod molds and granule- to small pebble-sized intraclasts. Small boring cavities (< 1 mm in diam.) occur. Section 1, 22 cm to Section 2, 33 cm contains WACKESTONE, white (10YR 8/2), with bivalve (including rudist) and gastropod shell fragments and blackened (dark gray, 10YR 4/1) intraclasts. Occasional horizon rich in gastropod |                                |         |        |       |   |
|               |   |  |                                |         |        |       | moios occur. The interval Section 1, 40–142 cm includes cavities, some of which are infilled with one to several calcite layers. Speleothem in Section 2, 25 cm. MUDSTONE (Section 2, 33–100 cm), white (10YR 8/2), burrowed, with moldic porosity pf gastropods and dasycladacean algae. Section 2, 100–138 cm contains WACKESTONE- PACKSTONE, white (10YR 8/2), with predominately bivalve fragments, some dasycladacean algae, and a few dark gray intraclasts. Section 3, 0–80 cm, contains WACKESTONE, white (10YR 8/2), with numerous bivalve shell fragments, molds of gastropods and dasycladacean algae, and dark gray intraclasts. Molds infilled with sparry calcite. Possible cave floor (phreatic zone) layers in Section 3, 27–30 cm. |

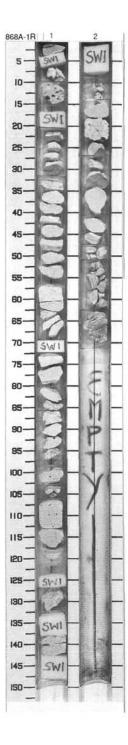


| SIT   | ΓE 867 H         | OL      | E      | B CORE                         | 13      |        | CORED 75.3 - 76.8 mbsf |   |
|-------|------------------|---------|--------|--------------------------------|---------|--------|------------------------|---|
| Meter | Graphic<br>Lith. | Section | Age    | Structure<br>and<br>Components | Disturb | Sample | Color                  | Description   |
| 1     |                  | 1       | Albian | ©PBS<br>↑F                     | >>>>>>> | Р      | 10YR<br>8/2            | MUDSTONE and WACKESTONE  Major Lithology: WACKESTONE (0–59 cm), white (10YR 8/2), with abundant bivalve and rudist fragments, moldic porosity of gastropod fragments infilled with sparry calcite and coral (20–23 cm). Some speleothem fillings indicate vadose zones.  MUDSTONE (59–89 cm), white (10YR 8/2), with moldic porosity of gastropod shells and speleothem filling. The interval 89–150 cm contains WACKESTONE, white (10YR 8/2), with dark gray intraclasts and rudist fragments and fining up over approximate 1m. |

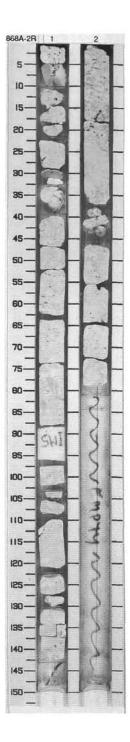
| SIT     | E 867 H          | IOL     | E      | B CORE                         | CORED 76.8 - 76.8 mbsf |        |              |   |
|---------|------------------|---------|--------|--------------------------------|------------------------|--------|--------------|---|
| Meter   | Graphic<br>Lith. | Section | Age    | Structure<br>and<br>Components | Disturb                | Sample | Color        | Description   |
| and and | РИММ             | 1       | Albian | 8                              | 1111                   | Р      | 2.5Y<br>N8/0 | WACKESTONE-PACKSTONE  Major Lithology: WACKESTONE-PACKSTONE, white (2.5 Y 8/0), with numerous bivalve                               |
|         |                  |         |        |                                |                        |        |              | clasts and angular black pebbles. Minor<br>vuggy porosity is partially filled with<br>internal sediment and coarse calcite<br>spar. |



| SIT   | E 868 H                                | IOL     | E      | Α          | CORE                       | _       | _                        | CORED 0.0 - 8.0 mb   |  |  |  |
|-------|--|---------|--------|------------|----------------------------|---------|--------------------------|--|--|--|--|
| Meter | Graphic<br>Lith.                       | Section | Age    |            | ructure<br>and<br>nponents | Disturb | Sample                   | Color  | Description  |  |  |
| 1_    | 34999999999999999999999999999999999999 | 1       | Albian | <i>₽</i> ⊗ | 68                         |         | T<br>T<br>P <sub>P</sub> | GRAINSTONE-RUDSTONE, MUDSTONE, PACKSTONE-GRAINSTONE, and FLOATSTONE  Major Lithologies: Section 1, 0 cm to Section 2, 27 cm contains GRAINSTONE-RUDSTON white (10YR 8/2) composed almost entirely of rudist debris. Some local FLOATSTONE is present and contains gastropods, calcareous algae, oncoids, and micritized peloi Keystone vugs occur in Section 1, 107–113 cm and 137–145 cm. In Section 2, 27–51 cm, there is an interval of MUDSTONE containing small gastropods and ostracods, as well as an internal cavity, filled with slightly darker sediment. Section 2, 51–62 cm contains PACKSTONE-GRAINSTONE with some partially filled cavities: Section 2, 62–70 cm comprises MUDSTON with black pebbles, partly red-staine and containing cavities filled with banded red (10R 6/6) and white (10 8/2) MUDSTONE. In Section 2, 65- cm, there is speleothem developme in the top of a cavity with a laminat | MUDSTONE, PACKSTONE-GRAINSTONE, and FLOATSTONE  Major Lithologies: Section 1, 0 cm to Section 2, 27 cm contains GRAINSTONE-RUDSTONE, white (10YR 8/2) composed almost entirely of rudist debris. Some local  |  |  |
|       |  |         |        |            |                            |         |                          |  | contains gastropods, calcareous algae, oncoids, and micritized peloids. Keystone vugs occur in Section 1, 107–113 cm and 137–145 cm. In Section 2, 27–51 cm, there is an interval of MUDSTONE containing small gastropods and ostracods, as well as an internal cavity, filled with slightly darker sediment. Section 2, 51–62 cm contains PACKSTONE-GRAINSTONE with some partially filled cavities: Section 2, 62–70 cm comprises MUDSTONE with black pebbles, partly red-stained |  |  |



| SITE 868 H                              | HOL     | E      | A CORE                         | 2       | 3           |                         | CORED 8.0 - 11.1 mbsf  |
|---|---------|--------|--------------------------------|---------|-------------|-------------------------|--|
| Graphic Lith.                           | Section | Age    | Structure<br>and<br>Components | Disturb | Sample      | Color                   | Description  |
| W P F F F F F F F F F F F F F F F F F F | 2       | Albian | P<br>P<br>P                    |         | P<br>P<br>W | N9<br>To<br>10YR<br>8/2 | WACKESTONE-PACKSTONE, FLOATSTONE, and BOUNDSTONE  Major Lithologies: Discrete beds of WACKESTONE-PACKSTONE and FLOATSTONE, white (N9-10YR 8/2), with cm-scale fragments of rudist bivalves. Large caprinid shells occur in several places. Sclerosponge BOUNDSTONE intervals occur in Section 1, 47–53 cm and 77–90 cm, and in Section 2, 7–23 cm. Section 1, 55–75 cm contains abundant cm-scale requeinid rudist shells. Moldic and vuggy porosity are common throughout.  Minor Lithology: Section 2, 62–70 cm comprises MUDSTONE, white (10YR 8/1), which forms 1–2 cm size rounded structures separated by vuggy granular boundaries. These may be burrow-structures. |



| SIT   | TE 868 H                             | OL      | E      | A CORE                         |              |        | CORED 11.1 - 13.6 mbsf  |  |  |
|-------|--------------------------------------|---------|--------|--------------------------------|--------------|--------|---|--|--|
| Meter | Graphic<br>Lith.                     | Section | Age    | Structure<br>and<br>Components | Disturb      | Sample | Color   | Description  |  |
| 1     | PPFF<br>PPFF<br>FFFF<br>WWPP<br>WWPP | 1 2     | Albian | P 8                            | DI HHHHHHHHH | P      | O<br>10YR 8/2<br>To<br>5YR 7/3<br>2.5YR<br>5/6<br>To<br>2.5YR<br>5/6<br>To<br>10YR<br>8/2 | FLOATSTONE, PACKSTONE, and WACKESTONE  Major Lithology: Section 1, 0–38 cm contains PACKSTONE-FLOATSTONE, white (10YR 8/2), with abundant rudist (caprinid) shells which have white micritic fringes and small mm-scale cavities with dog's tooth calcite. In Section 1, 38–47 cm, PACKSTONE, pink (5YR 7/3) with small angular bivalve shell fragments. Near the base of this interval is a cavity filled with grayish green MUDSTONE, with white calcitic lining. Section 1, 47–110 cm contains FLOATSTONE, light reddish brown (2.5YR 6/4) grading to red (2.5YR 5/6),  |  |
|       |                                      |         |        |                                |              |        |   | with large caprinid shells. In the upper part of this horizon, these shells are dissolved and filled with several layers of pink to reddish brown MUDSTONE. In Section 1, 110–130 cm, WACKESTONE, red (2.5YR 5/6), with rounded small pebble-sized bivalve shells and black intraclasts. Section 2, 0–68 cm contains WACKSTONE-PACKSTONE, light red (10YR 6/6) grading to white (10YR 8/2) downward, with abundant bivalve shell fragments, some molds of gastropods and rudist shells and rare black pebble intraclasts. Rare moldic porosity is developed, and shows speleothems. The original texture of the sediment may have been a shell debris-rich PACKSTONE but with dissolution of aragonitic debris, the secondary cement (red) gives the appearance of a WACKESTONE. |  |



| Meter | Graphic<br>Lith.                     | Section | Age    | Structure<br>and<br>Components | Disturb | Sample            | Color                      | Description  |
|-------|--------------------------------------|---------|--------|--------------------------------|---------|-------------------|----------------------------|--|
| 1     | FFWW<br>FFWW<br>FFWW<br>FFWW<br>FFWW | 1       | Albian | & P                            |         | P<br>T<br>W<br>TP | 10YR<br>8/2                | FLOATSTONE, WACKESTONE, and<br>GRAINSTONE<br>Major Lithologies:<br>Discrete beds of FLOATSTONE and<br>WACKESTONE, white (10YR 8/2) to  |
| 2     | FFWW<br>FFWW<br>FFWW<br>6666         | 2       | A      | Ø P                            |         | P <sub>P</sub>    | 10YR<br>7/2<br>10YR<br>8/2 | very pale brown (10YR 8/3) and light<br>gray (10YR 7/2), with rudists, other<br>bivalves, gastropods, and red algae<br>fragments. Section 1, 0–27 cm is<br>stained light red (10R 6/6). Sporadic<br>red staining occurs throughout Section   |
|       |                                      |         |        |                                |         |                   |                            | 1. Moldic and vuggy porosity occur throughout. Speleothem deposits occur in some vugs in Section 2, 25–105 cm. Section 2, 82–118 cm comprises GRAINSTONE, white (10YR 8/2), poorly sorted. The grains are fragments of bivalves, and red and green algae, which are commonly micritized around the edges. A 6 cm clast of massive coral occurs in Section 2, 64–68 cm. |

| SIT   | E 868 H                               | OL      | E      | A CORE                         | CORED 17.2 - 20.3 mbsf |                |             |   |
|-------|---------------------------------------|---------|--------|--------------------------------|------------------------|----------------|-------------|---|
| Meter | Graphic<br>Lith.                      | Section | Age    | Structure<br>and<br>Components | Disturb                | Sample         | Color       | Description   |
|       | F F F F F F F F F F F F F F F F F F F | 1       | Albian | P 8 6<br>® ⊗<br>P 8 6          | 1111111                | P <sub>P</sub> | 10YR<br>8/2 | FLOATSTONE  Major Lithologies: FLOATSTONE, white (10YR 8/2), with much rudist debris, high-spired gastropods, sponge remains, possible chondrodontid oysters and oncoidally coated particles of millimeter scale. There is much solutional porosity with common spar-lined voids. |
|       |                                       |         |        |                                |                        |                |             | Minor Lithology:<br>Local levels of GRAINSTONE occur.<br>The Interval 55–56 cm contains<br>possible keystone vugs in a<br>GRAINSTONE- PACKSTONE matrix.   |

