

| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------|-------------------|-------------------|------------|------|------------------------|--------------|---------|-------------------------------------------------------------|------------|----------|
| | | | Avg. | Max. | | | | | | |
| 0 | | Grey 2 4/10Y | | | Massive | Slight | | Dark grey clay light grey clay - Thin bed. GLEY 2 6/10GY | JLOSS | 11/27/11 |
| 10 | None | | | | | | | | | |
| 16 | | | | | | | | Disturbed contact | | |
| 20 | | | | | | | | | | |
| 30 | | Grey 7 5/5.10Y | | | Massive | Moderate | | Light grey clay with a 5Y 5/1 mottle. Forams present. | | |
| 40 | None | | | | | | | PB @ 42 | | |
| 50 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | SSe 75 | Nonno ooze w/ clay | | |
| 80 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 120 | | | | | | | | | | |
| 130 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 142 | | | | | | | | Colour change contact | | |
| 150 | | 10YR 5/1 | | | Massive | Moderate (3) | | Reddish / Grey clay with a 5Y 5/1 mottle. | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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|-----------|-------------------|-------|------------|------|------------------------|----------|---------|-------------------------------------------------------------------------|---------------------|-------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | AS ABOVE | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | - P. Bebo | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | SSe K Silty-Muddy Hard Ooze Calcareous Nanno? | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |




MAJOR LITHOLOGY:

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| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: <i>LOSS</i> | Date: |
|-------|--------------------------------------|-------------------------|----------------|------|------------------------|-----------------------|---------|----------------------------------------------------------------------------|------------------------|-------|
| | | | Avg. | Max. | | | | | | |
| 0 | | | | | | | | | | |
| 10 | | | | | | | | AS ABOVE | | |
| 20 | | | | | | | | | | |
| 30 | <i>None</i> | | | | <i>Massive</i> | | | | | |
| 40 | | | | | | | | | | |
| 48 | | | | | | | | Colour change contact (bioturbated) | | |
| 50 | | <i>10Y?? GLEY 2 4/1</i> | | | <i>Massive</i> | | | <i>Pale grey clay</i> | | |
| 60 | <i>None</i> | | | | | <i>Slight (2) 3</i> | | Colour change contact (bioturbated) | | |
| 70 | | <i>10YR 5/1</i> | | | | | | <i>Reddish grey clay with a 5Y 5/1 mottle</i> | | |
| 72 | | | | | | | | <i>Zoophagus evident</i> | | |
| 75 | | | <i>SS @ 75</i> | | <i>Massive</i> | | | <i>Muddy clay ooze Calcareous</i> | | |
| 80 | | | | | | <i>Moderate (3) 4</i> | | | | |
| 90 | | | | | | | | | | |
| 93 | | | | | | | | Colour change contact (bioturbated) | | |
| 96 | | <i>10Y?? GLEY 2 4/1</i> | | | <i>Massive</i> | | | <i>Light grey clay</i> | | |
| 100 | | | | | | | | Colour change contact (bioturbated) | | |
| 110 | | <i>10YR 5/1</i> | | | | | | <i>Reddish grey clay Bioturbated (zoophagus) with an GLEY 2 4/1 mottle</i> | | |
| 120 | <i>Core possible at this horizon</i> | | | | | <i>Slight (2) 3</i> | | <i>Burrow @ 115-116</i> | | |
| 130 | | | | | | | | <i>Heave of ~6cm</i> | | |
| 137 | | | | | | | | <i>Some Burrows @ 127-122</i> | | |
| 140 | | | | | | | | <i>PBC @ 139-141</i> | | |
| 149 | | | | | | | | <i>2cm</i> | | |
| 150 | | | | | | | | Colour change contact ↓ <i>Details see below</i> | | |

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|-------------------|---------------|------------|------|------------------------|---------------|---------|-----------------------------------------------------------------------------------------------------------|---------------------|-------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Grey bioturbated mud with 5/5, mottle. | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | GREY 6/5GY | | | | Slight (3) | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | None | | | | | | | | |
| -- 60 -- | | | | | | | Small offset @ 58cm  | | |
| -- 70 -- | | | | | | | Nanno ooze/mud Muddy calcareous ooze | | |
| -- 80 -- | | | | | ss@ 75 | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | - Pyrite | | |
| -- 140 -- | | | | | | | - PB @ 138-140 | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

1385A

Expedition 339: Mediterranean Outflow

U. 85A 104 5A

71

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: Gloss | Date: |
|-----------|-------------------|---------------|------------|------|------------------------|----------|---------|---------------------------------------------------------|---------------------|-------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | Ass above | | |
| -- 10 -- | No disturbance | SY5, | | | Massive | Slight | | Colour change contact Grey clay Forams present | | |
| -- 20 -- | | | | | | | | -PB@ 22-24 | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | Colour change contact | | |
| -- 50 -- | NONE | GREY S/104 | | | Massive | Slight | | Light grey clay Forams present Shell present @ 67 | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | SS@ 75 | - PB @ 75-76 Clayey Nanno ooze is | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

1385A

Expedition 339: Mediterranean Outflow

UI, SSA 10H 6A

72

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: Sloss | Date: |
|-------------------|-------|------------|------|------------------------|----------|-----------|------------------------|---------------------|-------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | AS | ABOVE | | ↑ | | | AS ABOVE | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | 55@ 75 | Muddy Nannofossil ooze | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | ↓ | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

1385A

Expedition 339: Mediterranean Outflow

U.S. 85A 10H 9A

73

0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0 15.0 20.0 30.0 40.0 50.0 60.0 80.0 100.0 150.0 200.0 300.0 400.0 500.0 600.0 800.0 1000.0



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SLOSS | Date: 11/27/11 |
|-------------------|----------------|------------|------|------------------------|-------------|---------|---------------------------------------------------------------------------------|---------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | GLE/2 6/10y | | | MASSIVE | Slight 3 | | Colour change contact v. light grey clay with 5% mottle Forams present | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

1385A

Expedition 339: Mediterranean Outflow

VLSJA 10H CCA

74



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SLOSS | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|----------|---------------------|-------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | AS ABOVE | | |
| -- 10 -- | | | | ↑ | | | AS ABOVE | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY: