

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|--------|------------|----------------|--------------------------|----------|---------|---|------------|---------|
| | | | Avg. | Max. | | | | | RDF | 9/26/11 |
| -- 0 -- | | 5Y 6/1 | Clay | in Sand forams | | 3 | | 0-63 slightly lighter biot. clay with associated color variations | | |
| -- 10 -- | | | ↓ all | ↓ all | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | 5Y 5/1 | | | pink pyrite pyrite | 3 | | bioturbated contact 63 Slightly darker ferric clay, bioturbated with color variations | | |
| -- 70 -- | UNDISTURBED | | | | | | | 75cm SS - Nanno ooze w/ ^{mud} clay | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | 88 bioturbated contact 88 - next section slightly lighter bioturbated clay with more color variation at top of interval, bottom contact in next section | | |
| -- 100 -- | | | | | | 3 | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | 5Y 6/1 | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | pyrite | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY: ferric clay

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|---------------|------------------------|----------|----------|---|------------|----------|
| | | Avg. | Max. | | | | | ROF | 11/26/11 |
| --0-- | 5Y6/1 | Clay | m sand forams | | | | lighter bioturbated clay (continued from section above) | | |
| --10-- | | ↓ | ↓ | pyrite | | | 10 bioturbated 10-125 | | |
| --20-- | | | | | | | Slightly reddish gray clay, bioturbated with color banding, lighter 87-93. gradational bottom | | |
| --30-- | | | | | | | Forams present | | |
| --40-- | | | | | | | | | |
| --50-- | 10YR 6/1 | | | | | | | | |
| --60-- | | | | pyrite | | | | | |
| --70-- | | | | | | SS @ -75 | | | |
| --80-- | | | | | | | Nonno ooze w/clay | | |
| --90-- | | | | pyrite | | | | | |
| --100-- | 10YR 6/1 | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | pyrite | | | | | |
| --130-- | 5Y6/1 | | | pyrite | | | 125 gradational 125 next section | | |
| --140-- | | | | | | | lighter gray clay, bioturbated Some color banding | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY: Fine clay

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: <i>Qoss</i> | Date: 11/27/11 |
|-----------|-------------------|---------|------------|------|------------------------|------------|---------|----------|------------------------|--|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | 5Y6/1 | | | | | | | | Light bioturbated clay continued from above section Forams present |
| -- 10 -- | | | | | | | | | | Gradational colour change - bioturbated contact |
| -- 11 -- | | | | | | | | | | Bioturbated dark grey/light grey clay bands defined by burrows (Zoophycos) |
| -- 20 -- | | 5Y4/1 | | | | (3) Slight | | | | Forams present |
| -- 30 -- | | | | | | | | | | |
| -- 31 -- | | | | | | | | | | Light grey bioturbated clay Forams present |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | @63 pyrite burrow |
| -- 70 -- | | | | | | | | | | Nannofossil Calcareous ooze w/ mud @75 pyrite burrow (PB) |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | @91-92 PB |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 123 -- | | | | | | | | | | Gradational colour change - colour change contact |
| -- 125 -- | | | | | | | | | | Slightly reddish/grey clay (10YR6/1 & 5Y5/1) In colour bands defined by zoophycos Forams present |
| -- 130 -- | | 10YR6/1 | | | | | | | | |
| -- 140 -- | | | | | | | | | | @142 PB |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SLOS | Date: 12/27/11 |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|---|--------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | AS ABOVE | | |
| -- 10 -- | | | | | | | | @ 9 PB | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 75 -- | | | | | | | | SS @ 75 - @ 73 borrow fill with forams Muddy calcareous ooze nanofossil | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 96 -- | | | | | | | | Gradational colour change | | |
| -- 100 -- | | 5Y5/1 | | | | | | Light grey mottled clay 5Y5/1 - 5Y6/1 Forams present | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | NO DISTURBANCE | | | | MASSIVE | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|----------|-------------------|----------|------------|------|------------------------|--------------|----------|----------|------------|-------|
| | | | Avg. | Max. | | | | | | |
| - 0 -- | | | | | | | | GLOSS | 12/27/11 | |
| - 10 -- | | | | | | | AS ABOVE | | | |
| - 20 -- | | | | | | | | | | |
| - 30 -- | | | | | | | | | | |
| - 40 -- | | | | | | | | | | |
| - 50 -- | | | | | | | | | | |
| - 60 -- | | | | | | | | | | |
| - 70 -- | | | | | | | | | | |
| - 80 -- | | | | | | | | | | |
| - 90 -- | | | | | | | | | | |
| - 100 -- | | | | | | | | | | |
| - 108 -- | | | | | | | | | | |
| - 110 -- | | | | | | | | | | |
| - 120 -- | | | | | | | | | | |
| - 130 -- | NONE | 10YR 5/1 | | | MASSIVE | Moderate (4) | | | | |
| - 140 -- | | | | | | | | | | |
| - 150 -- | | | | | | | | | | |

65
 ↓ V. slight increase in redish clay 10YR 6/1

COLOUR CHANGE
 Redish/grey clay, forams present
 10YR 5/1 (slight 5Y 5/1 mottle)
 Zndry.
 - @126 PB
 - @129 foram filled burrow

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

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|-----------|-------------------|-------|------------|------|------------------------|----------|---------|---|------------|----------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | SLOSS | 11/22/11 |
| -- 10 -- | | | | | | | | AS ABOVE | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 35 -- | | | | | | | | Gradational colour change | | |
| -- 38 -- | | | | | | | | bioturbated contact | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | 545/1 | | | | | | Light grey bioturbated mud | | |
| -- 60 -- | | | | | | | | Forams present. | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | MASSIVE | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | NONE | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 113 -- | | | | | | | | Gradational colour change contact | | |
| -- 114 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | Pale grey clay with distinct thin darker bands defined by burrows (dominantly Zoophycos & planolites) | | |
| -- 130 -- | | 546/1 | | | | | | 546/1 with 545/1 mottle | | |
| -- 140 -- | NONE | | | | MASSIVE | | | Forams present | | |
| -- 150 -- | | | | | | | | 129 - concentration of zoophycos 140 | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|----------|------------|------|------------------------|---------------------|---------|---|------------|----------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | SLOSS | 11/27/11 |
| 4 | | | | | | | | AS ABOVE | | |
| -- 10 -- | | | | | | | | Redish grey clay foram filled burrows shell present foram present Bioturbation dominantly zoophycus | | |
| -- 20 -- | | 10YR 4/1 | | | | | | | | |
| -- 30 -- | | | | | MASSIVE | | | | | |
| -- 40 -- | None | | | | | Moderate (S) TO (R) | | Muddy Biogenic ooze Nanno | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SLOSS | Date: 12/27/11 |
|-------------------|-------|------------|------|------------------------|----------|---------|----------|---------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | AS ABOVE | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY: