

4509
 12/Jan/2012

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|------------|------------|------|------------------------|----------|---------|-----------------------|------------|-------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | | masu | 12/Jan/2012 |
| - 0 - | | | | | | | | | |
| | | clay | f.s | | 3 | | ① MUD | | |
| - 10 - | | | | | | | | | |
| - 20 - | 10Y 5/1 | | | | | | | | |
| - 30 - | | | | | | | | | |
| - 40 - | | | | | | | | | |
| - 50 - | | | | | | | | | |
| - 60 - | Biscuit | | | | | | | | |
| - 70 - | | | | | | | | | |
| - 80 - | | | | | | | | | |
| - 90 - | | | | | | | | | |
| - 100 - | | | | | | | | | |
| - 110 - | | | | | | | | | |
| - 120 - | | | | | | | | | |
| - 130 - | | | | | | | | | |
| - 140 - | | | | | | | | | |
| | | | | | | | -146 pyritized burrow | | |
| - 150 - | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|---------|------------|------|------------------------|----------|---------|----------|------------|------------|
| | | | Avg. | Max. | | | | | | |
| - 0 - | | | | | | | | | Masm | 12/5m/2012 |
| - 10 - | | 10Y 5/1 | clay | f-s | | 3 | | ① MUD | | |
| - 20 - | | | | | | | | | | |
| - 30 - | | | | | | | | | | |
| - 40 - | | | | | | | | | | |
| - 50 - | | | | | | | | | | |
| - 60 - | | | | | | | | | | |
| - 70 - | | | | | | | | | | |
| - 80 - | | | | | | | | | | |
| - 90 - | | | | | | | | | | |
| - 100 - | | | | | | | | | | |
| - 110 - | | | | | | | | | | |
| - 120 - | | | | | | | | | | |
| - 130 - | | | | | | | | | | |
| - 140 - | | | | | | | | | | |
| - 150 - | | | | | | | | | | |

MAJOR LITHOLOGY:

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| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|---------|------------|------|------------------------|----------|---------|-----------------------------------|------------|-------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | mpm | 12 Jan 2012 |
| -- 10 -- | | 10Y 5/1 | clay | f.s | | 2 | | ① MUD | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | Biscuit | | | | | | | | | |
| -- 80 -- | | | | | | | | ↑ 82 MORE light | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | 103 Qz-filled burrow ϕ 0.8cm | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------|------------|------|------------------------|----------|---------|------------------------|------------|--------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | | apsm | 12 Jan. 2012 |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | 10Y 5/1 | clay | f.s | | 3 | | ⊙ MUD | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | -30 pyritized. burrows | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | 10Y 5/1 | silt | f.s | Bio. C | 3 | | 98 | | |
| | | | | | 3 | | 99 | | |
| | 10Y 5/1 | clay | f.s | Bio. c | 3 | | ⊙ SILTY MUD | | |
| -- 110 -- | | | | | | | | | |
| | | | | | | | ⊙ MUD | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

Bioturb. c

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|--------|-------------------|---------|------------|------|------------------------|----------|---------|----------|------------|------------|
| | | | Avg. | Max. | | | | | | |
| -0-- | Risc | | | | | | | | msm | 12/20/2012 |
| -10-- | | | | | | | | | | |
| -20-- | crack | 10Y 5/1 | clay | f.s | | 3 | | ① mud | | |
| -30-- | | | | | | | | | | |
| -40-- | | | | | | | | | | |
| -50-- | Biscuit | | | | | | | | | |
| -60-- | | | | | | | | | | |
| -70-- | crack | | | | | | | | | |
| -80-- | Risc | | | | | | | | | |
| -90-- | | | | | | | | | | |
| -100-- | | | | | | | | | | |
| -110-- | | | | | | | | | | |
| -120-- | | | | | | | | | | |
| -130-- | | | | | | | | | | |
| -140-- | | | | | | | | | | |
| -150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

339-U1391B-24X-7-A_SHLF3679811_20120112172503_.tif
 Expedition 339: Mediterranean Outflow



| | Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|---------|------------|------|--------------------------|----------|---------|----------|------------|-------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | APM | 12 Jan 2012 |
| -- 10 -- | | 10Y 5/1 | clay | f.s | | 3 | | ① mud | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | Biscuit | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

4516



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------|------------|-----------|------------------------|----------|---------|--|------------|-------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | | mpm | 12 Jan 2012 |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | 10Y 5/1 | | clay silt | | 3 | | 0 mup | | |
| -- 20 -- | Biscuit | | | | | | | | |
| -- 30 -- | | | | | | | -29.5 white patch φ0.2cm (oz-tiled burrow) | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| - 100 - | | | | | | | | | |
| - 110 - | | | | | | | | | |
| - 120 - | | | | | | | | | |
| - 130 - | | | | | | | | | |
| - 140 - | | | | | | | | | |
| - 150 - | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY: