

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 11/12/11 |
|-------------------|------------|------------|-----------|------------------------|----------|---------|---------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | 3 | | | | |
| -- 10 -- | GREY L | | | | ↓ | | | | |
| | 104 411 | | | | | | | | |
| -- 20 -- | ↓ | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | clay | med. sand | | | | ① NAPOD mud | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | grad. contact | | | 99 | | |
| -- 110 -- | | clay | m.s. | | | | ② SILTY MUD | | |
| -- 120 -- | | | | biot. contact | | | 123 | | |
| -- 130 -- | | silt | m.s. | wotted | | | ③ SILTY SAND wotted | | |
| -- 140 -- | | | | biot. contact | | | 135 | | |
| | | clay | m.s. | | | | ② SILTY MUD | | |
| -- 150 -- | | | | | | | 147 shell fragment | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------------------|------------|------|------------------------|----------|---------|---------------|------------|----------|
| | | Avg. | Max. | | | | | ED | 11/12/11 |
| -0-- | | silt | m.s. | sharp contact | | | ② SANDY SILT | | |
| -10-- | GLYM 104 4/12 | | | | 3 ↓ | | 10 Scaphopod | | |
| -20-- | | | | | | | | | |
| -30-- | | | | | | | | | |
| -40-- | | clay | w.s. | | | | ② SILTY QUD | | |
| -50-- | | | | | | | | | |
| -60-- | | | | | | | | | |
| -62-- | | | | | | | 62 py. grain | | |
| -66-- | | | | grad. contact | | | 66 | | |
| -70-- | | | | | | | | | |
| -76-- | | | | | | | 76 py. burrow | | |
| -80-- | | clay | w.s. | | | | ① NANNO QUD | | |
| -90-- | | | | | | | | | |
| -95-- | | | | grad. contact | | | 95 | | |
| -100-- | | | | | | | | | |
| -110-- | | clay | w.s. | | | | ② SILTY QUD | | |
| -120-- | | | | | | | | | |
| -127-- | | | | grad. contact | | | 127 | | |
| -130-- | | | | | | | | | |
| -140-- | | clay | w.s. | | | | ① NANNO QUD | | |
| -150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------------------------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | ED | 11/12/11 |
| -- 0 -- | | | | | | | section slightly more reddish | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | CLAY 1 104 4/2 ↓ | clay | m.s. | | 3 ↓ | | ① NANNO QUD | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | biot. contact | | | | | |
| -- 80 -- | | clay | m.s. | | | | ② SILTY QUD | | |
| -- 90 -- | | | | biot. contact | | | | | |
| -- 100 -- | | silt | m.s. | mottled | | | ② SILTY QUD with more silt and more sand black patches (monosulfur) mottled | | |
| -- 110 -- | | | | biot. contact | | | black patches (monosulfur) | | |
| -- 120 -- | | | | | | | ② SILTY QUD | | |
| -- 130 -- | | clay | m.s. | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | silt | m.s. | biot. contact mottled | | | ② SILTY QUD with more silt and more sand | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

10X4A

1502

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|--------|------------|------|------------------------|----------|---------|-----------------------------------|------------|----------|
| | | Avg. | Max. | | | | | ED | 11/12/11 |
| --0-- | | clay | m.s. | | | | (2) SILTY MUD shell frags | | |
| | | | | biot. contact | | | | | |
| --10-- | | | | | | | | | |
| | CLAY 1 | | | | 3 | | (1) NANNO QUD | | |
| --20-- | 104 | clay | m.s. | | ↓ | | | | |
| | 4/2 | | | | | | | | |
| --30-- | ↓ | | | | | | | | |
| --40-- | | | | grad. contact | | | | | |
| | | | | | | | | | |
| --50-- | | clay | m.s. | | | | (2) SILTY QUD | | |
| --60-- | | | | grad. contact | | | | | |
| | | | | | | | | | |
| --70-- | | | | | | | (1) NANNO QUD | | |
| --80-- | | clay | m.s. | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | 99 shell frags 104 shell frags | | |
| | | | | grad. contact | | | | | |
| --110-- | | | | | | | 109 | | |
| | | | | | | | | | |
| --120-- | | clay | m.s. | | | | (2) SILTY MUD | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

10x5A

1x3

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: masu | Date: 11/DEC/2013 |
|-------------------|---------|----------------|-------|---------------------------|----------|---------|--------------|--------------------|----------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | ② SILTY MUD | | |
| -- 10 -- | 10Y4/1 | clay | M. S. | Pro. C → | 3 | | ① MUD | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | massive | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | Biscuit | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | 10Y4/1 | clay | M. S. | Grad. c normal grading | 3 | | ② SILTY MUD | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | 10Y4/1 | Very fine sand | M. S. | Grad. c massive | 3 | | ③ SILTY SAND | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

10x6A

1-4

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------|------------|------|------------------------|----------|---------|--------------|------------|-------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | ScAca. | Masm | 11/Dec/2011 |
| -- 10 -- | | | | Grad. C. | 3 10 | | | | |
| | 10Y4/1 | clay | M.S. | Inverse grading | 3 21 | | ② SILTY MUD | | |
| -- 20 -- | | | | massive | | | | | |
| -- 30 -- | 10Y4/1 | clay | M.S. | massive. | 3 | | ① MUD | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | Biscuit | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | ③ scaphopod. | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

10x7A

1585

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------|------------|-------|------------------------|----------|---------|---------------------|------------|-------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | 10YR/1 | Clay | M. S. | massive | 3 | | ○ mud | MAGN | 11/DEC/2011 |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | 17 pyritized burrow | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | Biscuit | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

10XCC

150

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|--------|------------|-------|------------------------|----------|---------|----------|------------|------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | 10Y4/1 | Clay | M. S. | massive | 3 | | | MASU | 11/DEC/201 |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

discuss

① mud

PAL

MAJOR LITHOLOGY:

MINOR LITHOLOGY: