

| Drilling disturb. | Color | Grain-size |               | Sed. struct. / contact | Bioturb. | Samples | Comments   | Logged by: | Date:    |
|-------------------|-------|------------|---------------|------------------------|----------|---------|--|------------|----------|
|                   |       | Avg.       | Max.          |                        |          |         |  | RF         | 11/30/11 |
| - 0 --            |       | Clay       | m sand forams |                        | 4        |         | Gray and dark gray nanno? clay with some redder (10R4/1) layering, medium bedded. Also some gray clay, medium-bedded units |            |          |
| - 10 --           |       | ↓          | ↓             |                        | ↓        |         |  |            |          |
| - 20 --           |       |            |               |                        |          |         |  |            |          |
| - 30 --           |       |            |               |                        |          |         |  |            |          |
| - 40 --           |       |            |               |                        |          |         |  |            |          |
| - 50 --           |       |            |               |                        |          |         |  |            |          |
| - 60 --           |       |            |               |                        |          |         |  |            |          |
| - 70 --           |       |            |               |                        |          |         |  |            |          |
| - 80 --           |       |            |               |                        |          |         |  |            |          |
| - 90 --           |       |            |               |                        |          |         |  |            |          |
| - 100 --          |       |            |               |                        |          |         |  |            |          |
| - 110 --          |       |            |               |                        |          |         |  |            |          |
| - 120 --          |       |            |               |                        |          |         |  |            |          |
| - 130 --          |       |            |               |                        |          |         |  |            |          |
| - 140 --          |       |            |               |                        |          |         |  |            |          |
| - 150 --          |       |            |               |                        |          |         |  |            |          |



17  
18  
19  
20  
10Y5/2

GAS EXPANSION

95  
N 5/2  
100  
10R 4/1

PB

10Y4/7

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

|           | Drilling disturb. | Color | Grain-size |      | Sed. struct. / contact | Bioturb. | Samples | Comments             | Logged by:<br>RDF | Date:<br>11/30/11 |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|----------------------|-------------------|-------------------|
|           |                   |       | Avg.       | Max. |                        |          |         |                      |                   |                   |
| -- 0 --   |                   |       | Continues  |      |                        | 4        |         | above unit continues |                   |                   |
| -- 10 --  |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 20 --  |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 30 --  |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 40 --  |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 50 --  |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 60 --  |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 70 --  |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 80 --  |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 90 --  |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 100 -- |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 110 -- |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 120 -- |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 130 -- |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 140 -- |                   |       |            |      |                        |          |         |                      |                   |                   |
| -- 150 -- |                   |       |            |      |                        |          |         |                      |                   |                   |

UNDISTURBED

PB

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

|           | Drilling disturb. | Color  | Grain-size |      | Sed. struct. / contact | Bioturb. | Samples | Comments   | Logged by:             | Date:    |
|-----------|-------------------|--------|------------|------|------------------------|----------|---------|--|------------------------|----------|
|           |                   |        | Avg.       | Max. |                        |          |         |  |                        |          |
| -- 0 --   |                   |        | Continues  |      |                        | 4        |         | above unit continues   | RDF                    | 11/20/11 |
| -- 10 --  |                   |        |            |      |                        |          |         |  |                        |          |
| -- 20 --  |                   |        |            |      |                        |          |         |  |                        |          |
| -- 30 --  |                   |        |            |      |                        |          |         |  |                        |          |
| -- 40 --  |                   |        |            |      |                        |          |         |  |                        |          |
| -- 50 --  |                   |        |            |      |                        |          |         |  |                        |          |
| -- 60 --  |                   |        |            |      | PB                     |          |         |  |                        |          |
| -- 70 --  |                   |        |            |      |                        |          |         |  |                        |          |
| -- 80 --  | UNDISTURBED       | 5Y 5/2 |            |      |                        |          |         | bioturbated contact  |                        |          |
| -- 90 --  |                   |        |            |      |                        |          |         | 85 olive gray clay with common forams & silt/sand fill burrows   |                        |          |
| -- 100 -- |                   |        |            |      |                        |          |         |  | 90 bioturbated contact |          |
| -- 110 -- |                   |        |            |      |                        |          |         | Gray & dark gray nano? clay with some redder layering, medium bedded. Also some gray clay-medium-bedded units. |                        |          |
| -- 120 -- |                   |        |            |      |                        |          |         | ↓ continues down core  |                        |          |
| -- 130 -- |                   |        |            |      |                        |          |         |  |                        |          |
| -- 140 -- |                   |        |            |      |                        |          |         |  |                        |          |
| -- 150 -- |                   |        |            |      |                        |          |         |  |                        |          |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size |      | Sed. struct. / contact | Bioturb. | Samples | Comments   | Logged by: RDF | Date: 11/30/11 |
|-------------------|-------|------------|------|------------------------|----------|---------|------------|----------------|----------------|
|                   |       | Avg.       | Max. |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         | → as above |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |
|                   |       |            |      |                        |          |         |            |                |                |



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

V1385E

9H5A.

141

| Drilling disturb. | Color | Grain-size |      | Sed. / struct. / contact | Bioturb. | Samples | Comments             | Logged by:<br>RDF | Date:<br>(1/30/11) |
|-------------------|-------|------------|------|--------------------------|----------|---------|----------------------|-------------------|--------------------|
|                   |       | Avg.       | Max. |                          |          |         |                      |                   |                    |
| -- 0 --           |       |            |      |                          |          |         | Continues from above |                   |                    |
| -- 10 --          |       |            |      |                          |          |         |                      |                   |                    |
| -- 20 --          |       |            |      |                          |          |         |                      |                   |                    |
| -- 30 --          |       |            |      | PB                       |          |         |                      |                   |                    |
| -- 40 --          |       |            |      |                          |          |         |                      |                   |                    |
| -- 50 --          |       |            |      |                          |          |         |                      |                   |                    |
| -- 60 --          |       |            |      |                          |          |         |                      |                   |                    |
| -- 70 --          |       |            |      |                          |          |         |                      |                   |                    |
| -- 80 --          |       |            |      |                          |          |         |                      |                   |                    |
| -- 90 --          |       |            |      |                          |          |         |                      |                   |                    |
| -- 100 --         |       |            |      |                          |          |         |                      |                   |                    |
| -- 110 --         |       |            |      |                          |          |         |                      |                   |                    |
| -- 120 --         |       |            |      |                          |          |         |                      |                   |                    |
| -- 130 --         |       |            |      |                          |          |         |                      |                   |                    |
| -- 140 --         |       |            |      |                          |          |         |                      |                   |                    |
| -- 150 --         |       |            |      |                          |          |         |                      |                   |                    |

UNDISTURBED

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



Expedition 339: Mediterranean Outflow

UB85E  
U1 SE 9H7A

|           | Drilling disturb. | Color | Grain-size |      | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by:<br>RPF | Date:<br>11/30/11    |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|----------|-------------------|----------------------|
|           |                   |       | Avg.       | Max. |                        |          |         |          |                   |                      |
| -- 0 --   |                   |       |            |      |                        |          |         |          |                   |                      |
|           |                   |       |            |      |                        |          |         |          |                   | Above unit continues |
| -- 10 --  |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 20 --  |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 30 --  |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 40 --  |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 50 --  |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 60 --  |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 70 --  |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 80 --  |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 90 --  |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 100 -- |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 110 -- |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 120 -- |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 130 -- |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 140 -- |                   |       |            |      |                        |          |         |          |                   |                      |
| -- 150 -- |                   |       |            |      |                        |          |         |          |                   |                      |



UNDISTURBED

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

V1385E 9H CC.

74



| Depth<br>-- -- | Drilling disturb.  | Color | Grain-size |      | Sed. /<br>struct. /<br>contact | Bioturb. | Samples | Comments                               | Logged by:<br>RDF | Date:<br>11/20/11 |
|----------------|--------------------|-------|------------|------|--------------------------------|----------|---------|--|-------------------|-------------------|
|                |                    |       | Avg.       | Max. |                                |          |         |  |                   |                   |
| -- 0 --        | Slightly disturbed |       | Same       |      |                                |          |         | above unit continues to bottom of core |                   |                   |
| -- 10 --       |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 20 --       |                    |       |            |      |                                |          | 20cm    |  |                   |                   |
| -- 30 --       |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 40 --       |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 50 --       |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 60 --       |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 70 --       |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 80 --       |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 90 --       |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 100 --      |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 110 --      |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 120 --      |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 130 --      |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 140 --      |                    |       |            |      |                                |          |         |  |                   |                   |
| -- 150 --      |                    |       |            |      |                                |          |         |  |                   |                   |

MAJOR LITHOLOGY:

MINOR LITHOLOGY: