

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011/12/25 |
|-------------------|--------|------------|-----------------|------------------------|----------|---------|---------------------------------------|------------------|---------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | | |
| --10-- | | | | | | | | | |
| 11 | 5Y 4/2 | silt | m. sand (foram) | massive | BL 3 | | Silty mud - foram present | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | | - 29. shell fragment | | |
| 40 | | | | gradational | | | - 36. shell fragment | | |
| --40-- | | | | | | | | | |
| 51 | 5Y 4/2 | vf. sand | bi. sand | massive | BZ 3 | | silty sand - foram present | | |
| --50-- | | | | gradational | | | - shell fragments | | |
| | | | | | | | | | |
| | 5Y 4/2 | silt | m. sand (foram) | massive | BL 3 | | Silty mud - foram present | | |
| --60-- | | | | | | | | | |
| | | | | | | | - 67. shell frag | | |
| --70-- | | | | | | | | | |
| | | | | | | | - 71. shell frag | | |
| --80-- | | | | | | | | | |
| | | | | | | | - 79. shell frag. | | |
| | | | | | | | - 83. shell frag. | | |
| --90-- | | | | | | | | | |
| | | | | | | | - 89. shell frag | | |
| --100-- | | | | | | | | | |
| | | | | | | | | | |
| --110-- | | | | | | | | | |
| | | | | | | | - 108. shell frag | | |
| --120-- | | | | | | | | | |
| | | | | | | | | | |
| --130-- | | | | | | | | | |
| | | | | | | | - 127. shell frag | | |
| --140-- | | | | | | | | | |
| | | | | | | | - 131. shell frag | | |
| --150-- | | | | | | | | | |
| | | | | | | | - 142. shell frag | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|-----------|------------|-----------------|------------------------|----------|----------------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | | | 6 16 | shell fragments | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | 32 33 34 | silt filled burrow shell fragments | | |
| --40-- | | | | | | 40 | shell frag | | |
| --50-- | | | | | | 48 50 55 | Silty Mud w/ Bio Carb shell fragments | | |
| --60-- | | | | gradational contact | | | | | |
| 67 | | | | | | | | | |
| --70-- | 5T 4/1 | clay | h. sand (foram) | massive | BZ 3 | | mud - foram present 72 shell fragment | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | 121. shell fragment 125. shell fragment | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|-----------|------------|---------|------------------------|----------|-----------|----------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| | | | | | | | 5, shell fragment | | |
| -- 10 -- | | | | | | | | | |
| | | | | | | | 20, shell fragment | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | 56 S.S | Calcareous Mud | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| | | | | | | | 77, shell fragment | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| 120 | | | | gradational contact | | | 116 shell fragments | | |
| -- 120 -- | 55 4/2 | silt | m. sand | massive | B3 3 | | Silty mud - forams present | | |
| -- 130 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|---------|------------|------------------|------------------------|----------|---------|-----------------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | <u>Same as above</u> | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | sharp / contact | | | | | |
| 27 | | | | | | | | | |
| -- 30 -- | 10Y 4/1 | v.f. sand | m. sand | | | | <u>Silty sand</u> - foram present | | |
| -- 40 -- | | | | partly laminated | | | | | |
| -- 50 -- | | | | | | 50 | 50 shell fragment | | |
| -- 55 -- | | | | | | 55 | 55 shell fragment | | |
| -- 60 -- | | | | | | | | | |
| -- 66 -- | | | | | | | 66 shell fragment | | |
| -- 70 -- | | | | gradational / contact | | | | | |
| 75 | | | | | | | | | |
| -- 80 -- | 5Y 4/2 | silt. | m. sand (foram.) | massive | BZ 3 | | <u>Silty mud</u> - foram present | | |
| -- 90 -- | | | | | | | | | |
| -- 99 -- | | | | | | | 99. shell fragment | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | 112, P. burrow | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | 133. shell fragment | | |
| -- 140 -- | | | | | | | | | |
| -- 141 -- | | | | | | | 141, shell fragments | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-----------|-------------------|--------|------------|-----------------|------------------------|----------|---------|--|------------------|------------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | gradational contact | | | | | |
| 26 | | 5Y 4/2 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present 24. shell fragment | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | 72, 74 shell fragments | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | gradational | | | 86, shell fragment | | |
| 93 | | 5Y 4/2 | silt | m. sand | massive | BI 3 | | Silty mud - foram present 95 shell fragment 100 shell fragment 109 shell fragment | | |
| -- 100 -- | | | | | gradational | | | | | |
| 109 | | 5Y 4/2 | vt. sand | m. sand | massive | BI 2? | | Silty sand - foram present 114 shell fragments | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | gradational | | | | | |
| 125 | | 5Y 4/2 | silt | m. sand | massive | BI 3 | | silty mud - foram present 132-133, shell fragments | | |
| -- 130 -- | | | | | gradational | | | | | |
| 137 | | 5Y 4/2 | clay | m. sand (foram) | massive | BI 3 | | mud - foram pres. | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011/12/25 |
|-------------------|--------|------------|-----------------|------------------------|----------|---------|----------------------------------|------------------|---------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | <u>Same as above</u> | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | 24 30 } shell fragments | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | 54, shell fragments | | |
| -- 60 -- | | | | | | | 63, echinoid fragment | | |
| -- 70 -- | | | | | | | 63 fossil | | |
| -- 80 -- | | | | | | | 77 83 } shell fragments | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | 95, shell fragments | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | 116, scaphopoda fragment | | |
| 129 | | | | gradational contact | | | | | |
| -- 130 -- | 5Y 4/2 | silt. | in sand (foram) | massive | BI 3 | | <u>silty mud - foram present</u> | | |
| -- 140 -- | | | | | | | | | |
| 140 | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|-------|------------|------|------------------------|----------|---------|------------------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | 11 shell fragments | | |
| -- 13 -- | | | | | | | 13 shell fragments | | |
| -- 19 -- | | | | | | | 19 shell fragments | | |
| -- 20 -- | | | | | | | 19-21. scaphopoda fragment (black) | | |
| -- 26 -- | | | | | | | 26 shell fragments | | |
| -- 35 -- | | | | | | | 35. shell fragment | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|-------|------------|------|------------------------|----------|---------|-------------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | 5 -16) shell fragments | | |
| 21 -- 20 -- | | | | | | | | | |
| 25 -- 25 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 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. | | | | | | |
| --0-- | A | 2.5y s/1 | | | massive | BI =2 | | Silty mud Forams present Shells-fragments throughout the section | CR | 25/12/11 |
| --10-- | | | | | | | | | | |
| --20-- | Undisturbed | | | | | | | | | |
| --30-- | | | | | | | | | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | | | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| 76 | | | | | | | -75 | Calcareous Mud | | |
| --80-- | | | | | | | SS | -76 Scaphopoda shell | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --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. | | | | | | |
| -- 0 -- | | | | | | | | | CP2 | 25/12/11 |
| | | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | | |
| 15 | | | | | | | | 15: Scaphopoda shell | | |
| -- 20 -- | | | | | | | | | | |
| 26 | | | | | | | | 26: Scaphopoda shell | | |
| -- 30 -- | | | | | | | | | | |
| 34 | | | | | | | | 34: Scaphopoda shell | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | 60: Gastropode shell | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: CR | Date: 25/12/11 |
|-------------------|-----------------------|------------|------|------------------------|-----------|---------|------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| 101 | | | | | | | contact: irregular | | |
| -- 110 -- | OLEY 1 10g 4/11 | | | massive | BI = 2 | | Thin Forams present | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------------------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | WZ | 25/12/11 |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| 42 | | | | | | | | | |
| -- 50 -- | OLEY1 10y 4/1 | | | mark | absent | | Silty sand | | |
| 52 | | | | | | | | | |
| -- 60 -- | OLEY1 10y 4/1 | | | | BI =2 | | Reed Foams present Rotted with 2.5y 4/1 | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| 86 | | | | | | | | | |
| 87 | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

contact: irregular

contact: irregular

86
87 > shell frag.

110: shell frag.

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|------------|------------|------|------------------------|----------|---------|----------------------|------------|----------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | | AZ | 25/12/11 |
| | undisturbed | | | | | | | Bed: Same as above | | |
| --10-- | | | | | | | | | | |
| 15 | | | | | | | | contact: gradational | | |
| --20-- | | 25y 4/4 | | | massive ↓ | BZ =2 | | Silty mud | | |
| --30-- | | | | | | | | contact: gradational | | |
| 33 | | ↓ | | | ↓ | ↓ | | Bed | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | | | | |
| --60-- | | | | | | | | contact: gradational | | |
| 62 | | ↓ | | | ↓ | ↓ | | Silty mud | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | contact: gradational | | |
| 83 | | ↓ | | | ↓ | ↓ | | Bed | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| 104 | | ↓ | | | ↓ | ↓ | | contact gradational | | |
| --110-- | | | | | | | | Silty mud | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | contact gradational | | |
| 135 | | ↓ | | | ↓ | ↓ | | Silty sand | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------------|------------|------|------------------------|----------|---------|---|------------|----------|
| | | Avg. | Max. | | | | | | |
| --0-- | 2.5y 4/1 | | | | | | Same as above | OR | 25/12/11 |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| 45 | | | | | | | contact: gradational | | |
| --50-- | 2.5y 4/1 | | | | | | Silty mud Shell fragments | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | | | |
| 71 | 10s 4/1 | | | | | | contact: irregular mud rolled with 2.5y 4/1 Forams | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| 93 | | | | | | | contact: gradational | | |
| --100-- | 2.5y 4/1 | | | | | | Silty sand Shells fragments | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| 143 | | | | | | | contact: irregular | | |
| --150-- | 10s 4/1 | | | | | | Mud | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: JR | Date: 25/12/11 |
|----------------|-------------------|-------------|------------|------|------------------------|----------|---------|--|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | 20g 4/1 | | | | | | Mud: Same as above Fossils | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| 29 -- 30 -- | | 2.5g 4/1 | | | | | | contact: gradational Silty mud shell fragments | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| -- 0 -- | | | | | | | Same as above shell frags. | CR | 25/12/11 |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | contact: irregular Rz cl Forams present | | |
| 21 | 2.5y 4/1 | | | massive | BI =2 | | | | |
| -- 30 -- | | | | | | | -sk. shell frag. | | |
| 34 | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|-------------|------------|--------------------|--------------------------------------|----------|---------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | 2.5Y 4/1 | silt | m. sand (foram) | massive | BIZ | | Silty mud - foram present 5, scaphopoda fragment shell fragments (black) | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| 28 | | | | gradational contact | | | -22) shell fragments -25) | | |
| -- 30 -- | 2.5Y 4/1 | vt sand | m. sand | massive | BIZ 3 | | Silty sand - foram present -36. scaphopoda fragment (black) | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| 59 | | | | gradational contact | | | -51, scaphopoda fragment (white) | | |
| -- 60 -- | 2.5Y 4/1 | silt | m. sand (foram) | massive | BIZ 3 | | Silty mud - foram present 61-63. shell fragments | | |
| -- 70 -- | | | | | | | | | |
| 70 | | | | | | | | | |
| -- 80 -- | 2.5Y 4/1 | clay | m. sand (foram) | massive | BIZ 3 | | mud - foram present | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | gradational contact (bioturbated) | | | -101, shell fragment | | |
| 115 | | | | | | | Silty sand - foram present | | |
| -- 120 -- | 5Y 4/1 | vt sand | m. sand | massive | | | - shell fragments -125 S.S. Silty sand | | |
| -- 130 -- | | | | | | | | | |
| 140 | | | | | | | | | |
| 145 | | | | | | | Silty mud - foram present | | |
| -- 150 -- | 5Y 4/1 | silt | m. sand | massive | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct./ contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011/12/25 |
|-----------|-------------------|----------|------------|------------------|-----------------------|----------|---------|---------------------------|------------------|---------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | Save as above. | | |
| 9. | | | | | bioturbated contact | | | shell fragments | | |
| -- 10 -- | | 2.5Y 4/1 | clay | ln. sand (foram) | massive | BI 3 | | mud. - foram present | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | 31, shell fragment | | |
| -- 40 -- | | | | | gradational contact | | | 43. P. burrow | | |
| 45. | | | | | | | | | | |
| -- 50 -- | | 2.5Y 4/1 | silt. | ln. sand | massive | BI 3 | | Silty mud - foram present | | |
| -- 60 -- | | | | | | | | 58. scaphopoda fragment | | |
| -- 70 -- | | | | | | | | shell fragments | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | 92, scaphopoda fragment | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | 109, scaphopoda fragment. | | |
| -- 120 -- | | | | | gradational contact | | | 116, shell fragments | | |
| 121 | | | | | | | | | | |
| -- 130 -- | | 2.5Y 4/1 | clay | ln. sand (foram) | massive | BI 2 | | mud - foram present | | |
| -- 140 -- | | | | | | | | 132, P. burrow. | | |
| | | | | | | | | 136, shell fragment | | |
| | | | | | | | | 138, shell fragment | | |
| | | | | | | | | 142, shell fragment | | |
| -- 150 -- | | | | | | | | 147, P. burrow? | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ST | Date: 2011 12/25 |
|-----------|-------------------|-------------|------------|----------------|------------------------|----------|---------|---------------------------|------------------|------------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | 29, shell fragments | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | 41, shell fragment | | |
| -- 50 -- | | | | | gradational contact | | | | | |
| 52 | | 2.5Y 4/1 | silt | m sand | massive | BZ 3 | | Silty mud - foram present | | |
| -- 60 -- | | | | | | | | shell fragments | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 122 -- | | | | | | | | | | |
| -- 130 -- | | | | | gradational contact | | | | | |
| 131 | | 10Y 4/1 | clay | m sand (foram) | massive | BZ 3 | | mud - foram present | | |
| -- 140 -- | | | | | | | | 136, shell fragments | | |
| -- 150 -- | | | | | | | | | | |

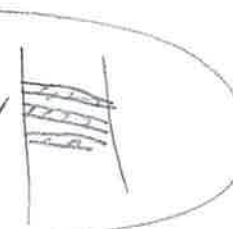
MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011/12/25 |
|-------------------|-----------|------------|-----------------|------------------------|----------|---------|---|------------------|---------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | <u>Same as above</u> | | |
| -- 10 -- | | | | | | | -11. shell fragment -16, P. burrow | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | -41, P. burrow -44-45, scaphopoda fragment | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | -59. shell fragment | | |
| -- 70 -- | | | | | | | -73. shell fragment | | |
| -- 80 -- | | | | | | | -75 Mud SS - 77. shell fragment | | |
| -- 90 -- | | | | | | | -91. shell fragments -95. echionoid fragment | | |
| -- 100 -- | | | | | | | -100 shell fragment -105 shell fragment | | |
| -- 110 -- | | | | | | | -112. P. burrow? | | |
| -- 120 -- | | | | | | | -122. scaphopoda fragment. | | |
| -- 130 -- | | | | | | | | | |
| 137 | | | | gradational contact | | | | | |
| -- 140 -- | 5C 4/1 | silt | in sand (foram) | massive | BI 3 | | <u>silty mud</u> - foram present | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|-------------|------------|--------------------|---------------------------------------|----------|----------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | | | | - shell fragments | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | 30 SS | Mud w/ Bio Carb | | |
| --40-- | | | | | | | | | |
| 49 | | | | gradational contact (1 Bio turb. bed) | | | | | |
| --50-- | 10Y 4/1 | clay | fine sand (forams) | massive | BZ 3 | | • mud | | |
| --60-- | | | | | | | - 56, silt filled burrow | | |
| --70-- | | | | | | | - 59 P ₁ burrow | | |
| --80-- | | | | | | | - 68 P ₁ burrow | | |
| --90-- | | | | | | | 80 82 burrow  shell fragments | | |
| --100-- | | | | | | | 84 96 | | |
| --110-- | | | | | | | - 107 scaphopoda fragment | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | - 126 shell fragments filled burrow? | | |
| | | | | | | | - 128 | | |
| 140 | | | | | | | | | |
| --140-- | | | | | | | - 138 scaphopoda fragment, shell fragment | | |
| | 2.5Y 4/1 | silt | | | | | - 143 | | |
| --150-- | | | | | | | - 145 scaphopoda fragments. Silty mud forams present | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|----------|------------|-----------------|------------------------|----------|---------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above in 2. scaphopoda fragment 3-4 | | |
| -- 10 -- | | | | | | | 11) shell fragments | | |
| -- 20 -- | | | | | | | 24, shell fragments | | |
| -- 30 -- 35 | | | | bioturbated / contact | | | 33) scaphopoda fragment 34) | | |
| -- 40 -- | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mad - foram present 38-39 shell fragments | | |
| -- 50 -- | | | | | | | 45, shell fragment | | |
| -- 60 -- | | | | | | | 55, shell fragment 62 shell fragment | | |
| -- 70 -- | | | | | | | 65 shell fragments 72 shell fragment | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | 99, shell fragment | | |
| 107 | | | | gradational contact | | | | | |
| -- 110 -- | 2.5Y 4/1 | silt | m. sand (foram) | massive | BI 3 | | Silty mud - foram present shell fragments | | |
| -- 120 -- | | | | | | | 124 | | |
| -- 130 -- | | | | | | | 130 | | |
| -- 140 -- | | | | | | | 144 shell fragments | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|-------------|------------|--------|------------------------|----------|---------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | -13 -15) shell fragments | | |
| -- 20 -- | | | | gradational contact | | | -26 | | |
| 27 | | | | | | | | | |
| -- 30 -- | 2.5Y 4/1 | vf sand | m sand | massive | BI 3 | | -31) silty sand - foram present -32) shell fragments | | |
| -- 40 -- | | | | bioturbated contact | | | -39) shell fragments | | |
| 47 | | | | | | | | | |
| -- 50 -- | 2.5Y 4/1 | clay | m sand | massive | BI 3 | | -40) mud - foram present -54 | | |
| -- 60 -- | | | | | | | -62, shell fragment | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | -79, Py burrow | | |
| 83 | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 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. | | | | | | |
| -- 0 -- | | | | | | | <u>Same as above</u> | SF | 2011/12/25 |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| 33 | | | PAL | | | | | | |
| 38 | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 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. | | | | | | |
| | | | | | | | | CR2 | 25/12/11 |
| 0 | | | | | | | | | |
| 8 | | | | | | | | | |
| 10 | OLEY1 10y 4/1 | | | massive | B2 =2 | | Silty sand shells fragments | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | 10y 4/1 | | | massive | B2 =2 | | contact: gradual silty mud shells fragments | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 78 | | | | | | | contact: irregular | | |
| 80 | 10y 4/1 | | | massive | B2 =2 | | few forams | | |
| 90 | | | | | | | | | |
| 91 | | | | | | | SI: shell frag. | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 136 | | | | | | | contact: gradual | | |
| 140 | 10y 4/1 | | | massive | B2 =2 | | silty mud few shells fragments | | |
| 150 | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Silty mud: Same as above shells frag. | CR | 25/12/11 |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | contact: gradational flood | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | ? contact | | |
| 74 | | | | | | | ? contact | | |
| -- 80 -- | | | | | | | Silty sand | | |
| 86 | | | | | | | shells frags abundant | | |
| 89 | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| 97 | | | | | | | contact: irregular | | |
| -- 100 -- | | | | | | | Silty mud Forams Few shell fragments | | |
| -- 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. | | | | | | |
| -- 0 -- | | | | | | | | Sand as above | | |
| -- 10 -- | | | | | | | | | | |
| 18 -- 20 -- | | 10g Y11 | | | medium | B7 = 2 | | Red Forams present Few shells frag. | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| 125 -- 130 -- | | 5Gg Y11 | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|----------------|------------|----------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | CR | 25/12/11 |
| -- 10 -- | | | | | | | | Same as above | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 75 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | SS | Calcareous Mud | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| --0-- | | | | | | | | | CR | 25/12/11 |
| 9 | | 5y | | | | | | Same as above contact: gradational | | |
| --10-- | | 4/2 | | | | | | Silty mud shells frag. | | |
| --20-- | | | | | | | | | | |
| --30-- | | | | | | | | | | |
| --40-- | | | | | | | | | | |
| 48 | | | | | | | | | | |
| --50-- | | | | | | 48 SS | | Silty Mud w/ BioGob contact: gradational | | |
| 56 | | | | | | | | Red | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | contact: gradational Silty mud shell frag. | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --110-- | | | | | | | | | | |
| 115 | | 5y | | | | | | contact: irregular Red | | |
| --120-- | | 4/1 | | | | | | Forams present Thin shell frag. | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: GZ | Date: 25/12/11 |
|-----------|-------------------|-----------|------------|------|------------------------|---------------|---------|--|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | 5y 4/1 | | | Mud ↓ | BI =2 ↓ | | Red: same as above | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| 40 | | | | | | | | contact: gradual | | |
| -- 50 -- | | ↓ | | | ↓ | | | Silty mud shell frag. | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| 72 | | | | | | | | contact: irregular | | |
| -- 80 -- | | ↓ | | | ↓ | | | Red Forams present Few shell frag. | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: CRZ | Date: 25/12/11 |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|---------------|----------------|----------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: CR | Date: 25/12/11 |
|-------------------|-------|------------|------|--------------------------|----------|---------|---------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
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| -- 70 -- | | | | | | | | | |
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| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------|-------------------|---------|------------|------------------|------------------------|----------|---------|----------|------------|-------|
| | | | Avg. | Max. | | | | | | |
| 0 | | | | | | | | SF | 2011/12/25 | |
| 10 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 28 | | | | | | | | | | |
| 30 | | 10Y 4/1 | clay | ln. sand (foram) | massive | BL 3 | | | | |
| 36 | | | | | | | | | | |
| 37 | | | | | | | | | | |
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| 90 | | | | | | | | | | |
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| 105 | | | | | | | | | | |
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| 118 | | | | | | | | | | |
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| 123 | | | | | | | | | | |
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| 143 | | | | | | | | | | |
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| 145 | | | | | | | | | | |
| 146 | | | | | | | | | | |
| 147 | | | | | | | | | | |
| 148 | | | | | | | | | | |
| 149 | | | | | | | | | | |
| 150 | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct./ contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|-------------|------------|-----------------|-----------------------|----------|---------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | | | | | | | 9) shell fragments 11) | | |
| -- 20 -- | | | | | | | 20, shell fragment 25, Py burrow | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | gradational contact | | | 35 Small shell fragments | | |
| 42 | 2.5Y 4/1 | silt | m. sand (foram) | massive | BI 3 | | Silty mud - foram present 44, echinoid fragment | | |
| -- 50 -- | | | | | | | 57-58 scaphopoda fragment 60 Py burrow | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | gradational contact | | | | | |
| 81 | 2.5Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present | | |
| -- 90 -- | | | | | | | 92 | | |
| -- 100 -- | | | | | | | 99, Py burrow 101 | | |
| -- 110 -- | | | | | | | Small shell fragments | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | gradational contact | | | | | |
| 130 | 2.5Y 4/1 | silt. | m. sand (foram) | massive | BI 3 | | Silty mud - foram present | | |
| -- 140 -- | | | | | | | 138, Py burrow | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011/12/25 |
|-------------------|----------|------------|-----------------|------------------------|----------|---------|--|------------------|-----------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | same as above | | |
| 4 | | | | gradat. contact | | | | | |
| | 2.5Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present 62-9, shell fragments | | |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | | | | |
| 38 | | | | gradat. contact | | | | | |
| --40-- | 2.5Y 4/1 | silt. | m. sand (foram) | massive | BI 3 | | Silty mud foram present | | |
| --50-- | | | | | | | 52. shell fragment | | Small shell fragments |
| --60-- | | | | | | | 64. shell fragment | | |
| --70-- | | | | | | | 68. P. burrow | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| | | | | | | | | | |
| --100-- | | | | | | | 96. P. burrow | | Small shell fragments |
| | | | | | | | 99, shell fragment | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| | | | | | | | | | |
| --140-- | | | | | | | 135. shell fragment | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|----------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| 7 | | | | gradational contact | | | | | |
| -- 10 -- | 10Y 4/1 | clay | m. sand (foram) | massive | BI 2 | | mud - foram present | | |
| 19 | | | | gradational contact | | | | | Small shell fragments |
| -- 20 -- | 10Y 4/1 | silt | m. sand | massive | BI 3 | | Silty mud - foram present | | |
| -- 30 -- | | | | | | | | | |
| 40 | | | | gradational contact | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| 90 | | | | gradational contact | | | | | |
| -- 90 -- | 10Y 4/1 | silt | m. sand (foram) | massive | BI 3 | | Silty mud - foram present | | |
| 96 | | | | grad. contact | | | | | |
| -- 100 -- | 10Y 4/1 | vt sand | m. sand | massive | BI 3 | | Silty sand - foram present | | |
| 105 | | | | grad. contact | | | | | Small shell fragments |
| -- 110 -- | 10Y 4/1 | silt | m. sand (foram) | massive | BI 3 | | Silty mud - foram present | | |
| 116 | | | | grad. contact | | | | | |
| -- 120 -- | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|-------------------|----------|------------|-----------------|------------------------|----------|---------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | 14, shell fragment | | |
| -- 20 -- | | | | | | | 27, shell fragment | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | irregular contact | | | | | |
| 44 | | | | | | | | | |
| | 10Y 4/1 | vt. sand | m. sand | massive | BZ 2 | | silty sand - foram present | | |
| -- 50 -- | | | | gradational contact | | | | | |
| 54 | | | | | | | | | |
| | 10Y 4/1 | slt | m. sand | massive | BZ 2 | | silty mud - foram present | | |
| -- 60 -- | | | | gradational contact | | | 61) shell fragments 63) shell fragments | | Small shell fragments |
| 68 | | | | | | | | | 65 |
| -- 70 -- | 2.5Y 4/1 | clay | m. sand (foram) | massive | BZ 3 | | mud - foram present 70, shell fragment | | |
| -- 80 -- | | | | | | | 85, P ₁ burrow | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | 129 shell fragments | | |
| -- 130 -- | | | | | | | 133 shell fragments | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | 149, shell fragment | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: ST- | Date: 2011/12/25. |
|-------------------|-------|------------|------|--------------------------|----------|---------|-----------------------|-------------------|----------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| | | | | | | | -7. shell fragment | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | -43. shell fragments | | |
| -- 50 -- | | | | | | | | | |
| | | | | | | | -57. shell fragments | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| | | | | | | | -85. foran patch | | |
| | | | | | | | -87. shell fragments | | |
| -- 90 -- | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| -- 100 -- | | | | | | | -102. shell fragments | | |
| | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 130 -- | | | | | | | -133 shell fragments | | |
| | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| | | | | | | | | | |
| 143 | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

75cm Calcareous Mud
85

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/25 |
|----------------|-------------------|-------|------------|------|--------------------------|----------|---------|-----------------------|------------------|------------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | 25. shell frag in ent | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| 59 -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| -- 0 -- | | | | | | | | | JSF | 2-11 12/25 |
| -- 10 -- | | | | | | | | Same as above | | |
| -- 20 -- | | | | | | | | 15, shell fragment | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | 41 42 | | | | | | | | | |
| | | | | | | | | PAL | | |
| -- 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: ED | Date: 25/12/11 |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|-------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | 2.54 | | | | | | | | |
| -- 10 -- | | 4/Δ | | | | | | | | |
| -- 20 -- | | ↓ | clay | m.s. | | 3 ↓ | | brownish ① NUD | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | -119: shell frags |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|----------------------|-----------|------------|------|------------------------------|----------|-------------|---|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| | 2.54 | | | | | | | | |
| -- 10 -- | 4/12 ↓ | clay | w.s. | | 3 ↓ | | | | |
| -- 20 -- | | | | | | | brownish ① <u>NUD</u> | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | grad. contact | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | clay | w.s. | | | | ② <u>SILTY NUD</u> small shell frags and micas! | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | SS - 111 cm | Calcareous - Silty Mud | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|-----------------|------------|------|------------------------|----------|---------|--|-----------------------------------|----------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | 2.54 | | | | | | | | |
| | 4/2 | clay | m.s. | | 3 | | brownish / reddish (2) SILTY MUD small shell frags all along the section | | |
| -- 10 -- | | | | color grad. contact | ↓ | | | | |
| -- 20 -- | grey 194 4/2 | | | | | | 16 | | |
| | | | | | | | 25/26 | black diffuse layer | |
| -- 30 -- | | silt | m.s. | mottled | | | 29 | SANDY MUD | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | grad. contact | | | 49 | | |
| | | clay | m.s. | mottled | | | | (2) SILTY MUD | |
| -- 60 -- | | | | biot. contact | | | 60 | | |
| | | | | | | | 65 | shell frags | |
| | | | | | | | 67 | shell frags | |
| -- 70 -- | | | | | | | 68 | shell frags and mud-filled burrow | |
| | | | | | | | 72 | | |
| -- 80 -- | | | | | | | 81 | bivalve shell (Pectinid-like) | |
| | | silt | m.s. | mottled | | | | SANDY MUD | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | 109 | | |
| | | | | | | | 113 cm | shell fragment | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|-------|------------|------|------------------------|----------|---------|--------------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | CLAY | | | | 3 | | | | |
| | 10Y | silt | m.s. | mottled | ↓ | | 15 shell frags | | |
| | 4/2 | | | | | | | | |
| -- 20 -- | ↓ | | | | | | SANDY MUD small shell frags | | |
| -- 30 -- | ↓ | | | | | | | | |
| | | | | | | | | | |
| -- 33 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 34 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 37 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 38 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 49 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| | | | | grad. contact | | | | | |
| -- 53 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 71 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 90 -- | | clay | m.s. | mottled | | | | | |
| | | | | | | | | | |
| -- 91 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 92 -- | | | | | | | | | |
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| -- 93 -- | | | | | | | | | |
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| -- 94 -- | | | | | | | | | |
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| -- 95 -- | | | | | | | | | |
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| -- 96 -- | | | | | | | | | |
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| -- 97 -- | | | | | | | | | |
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| -- 98 -- | | | | | | | | | |
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| -- 99 -- | | | | | | | | | |
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| -- 100 -- | | | | | | | | | |
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| -- 110 -- | | | | | | | | | |
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| -- 120 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|---------------------|------------|-------|------------------------|----------|---------|----------------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| | CLAY | | | | | | | | |
| -- 10 -- | 10Y 4/2 | clay | m. s. | | 3 ↓ | | ② SILTY mud small shell frags | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | grad. contact | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | clay | m. s. | | | | ① mud more reddish / brownish | | |
| | grad. contact sh | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | 2.5Y 4/2 | | | | | | | | |
| | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|----------------------------------|------------|--------|------------------------|----------|----------|----------------|---|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | 2.54 4/12 | clay | in. s. | | 3 ↓ | | ① <u>NUD</u> | reddish ↓ | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | 26 shell frags | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | very grad. color contact ↓ | | | | | 66 88 | 66 shell frags | SS Calcareous Mud greenish gray ↓ | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | CLEM1 104 4/12 | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-----------|-------------------|--------------|------------|------|------------------------|----------|---------|----------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | QLE41 104 | | | | | | | | |
| -- 10 -- | | 4/2 ↓ | clay | m.s. | | 3 ↓ | | ⊕ QUD -14: crack | | |
| -- 20 -- | | | | | | | | very few shell frags | | |
| -- 30 -- | | | | | | | | -31/32: crack + void | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

339-U1389C-6H-CC-A



| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|--------------|------------|------|--------------------------|----------|---------|--------------------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| | grey | | | | | | | | |
| -- 10 -- | 10Y 4/2 ↓ | clay | m.s. | | 3 ↓ | | ⊕ NUD | | |
| -- 20 -- | | | | | | | 16 - a little bit more silty 19 - | | |
| -- 30 -- | | | | | | | very few small shell frags | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|-------------------------|------------|------|--------------------------|----------|---------|--------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | grey 10Y 4/1 ↓ | clay | m.s. | | 3 ↓ | | ① <u>NUD</u> | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | biot. contact | | | | | |
| -- 110 -- | | | | mottled | | | | | |
| -- 120 -- | | silt | m.s. | mottled biot. contact | | | | | |
| -- 130 -- | | silt | m.s. | mottled | | | | | |
| -- 140 -- | | | | biot. o shape contact | | | | | |
| -- 150 -- | | silt | m.s. | mottled | | | | | |

88 shell frags
 101
 small shell frags
 SANDY NUD
 126
 small shell frags
 ③ SILTY SAND
 a bit soupy
 141
 small shell frags
 SANDY NUD

~ soupy

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|--------------------|------------|------|------------------------|----------|-----------|--------------------------------|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| | grey 10Y 4/1 | | | | | | | | |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | | silt | m.s. | | 3 ↓ | | SANDY mud small shell frags | | |
| -- 20 -- | | | | biot. contact | | 20 | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | 37 | | | |
| -- 50 -- | | clay | m.s. | mottled | | | SILTY mud small shell frags | | |
| -- 60 -- | | | | | | 56 | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 94 -- | | | | biot. contact | | 94 | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | silt | m.s. | mottled | | | SANDY mud | | |
| -- 120 -- | | | | | | | | | |
| -- 123 -- | | | | | | 123 crack | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|------------------------------------|------------|------|------------------------|----------|---------|---|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | grey 10Y 4/1 | silt | m.s. | mottled | 3 ↓ | | 14 SANDY MUD small shell frags | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | grad. contact | | | 32 | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | clay | m.s. | mottled | | | 56 ② SILTY MUD several sand-filled burrows small shell frags | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | grad. contact | | | 83 | | |
| -- 90 -- | color 92 contact 2.5Y 4/1 | clay | m.s. | | | | 87 py. shell frags reddish ① MUD | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | 112) sand-filled burrows 114) | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------------|------------|------|------------------------|----------|---------|---|------------|----------|
| | | Avg. | Max. | | | | | EO | 25/12/11 |
| -- 0 -- | | | | | | | | | |
| | 2.54 4/1 | | | | | | | | |
| -- 10 -- | | clay | m.s. | | 3 ↓ | | reddish ① <u>NVD</u> | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | 49 shell fragment | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | 62) 65) entire gastropod in work section | | |
| -- 80 -- | | | | | | | 84 shell fragment | | |
| -- 90 -- | | | | | | | 93 shell fragment | | |
| -- 100 -- | | | | | | SS | 100 cm Calcareous Mud | | |
| -- 110 -- | | | | | | | 114 shell fragment | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | 135 shell fragment | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------------------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | 2.5Y 4/1 | clay | m.s. | | 3 ↓ | | | | |
| -- 20 -- | | | | | | | reddish ① <u>NUD</u> | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | clay | m.s. | grad. contact | | | 123 125 128) shell frags ② <u>SILTY NUD</u> | | |
| -- 140 -- | 4.5Y1 10Y 4/1 | | | biot. contact | | | 140 divers shell frags ③ <u>SILTY SAND</u> | | |
| -- 150 -- | | silt | m.s. | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|---------|-------------------|-------------------------|------------|------|---------------------------|----------|------------|---|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | | | |
| --10-- | | CLAY 10Y | silt | m.s. | mottled | 3 ↓ | 16 | ③ <u>SILTY SAND</u> small shell frags | | |
| --20-- | | 4/1 | | | | | | | | |
| --30-- | | | | | | | SS - 34 cm | Silty Sand w/ Bio Carb | | |
| --40-- | | | | | sharp biot. contact | | 40 | | | |
| --50-- | | | clay | m.s. | | | | ① <u>NOD</u> with many sand and silt-filled burrows | | |
| --60-- | | | | | grad. contact | | 63 | | | |
| --70-- | | | clay | m.s. | mottled | | | ② <u>SILTY NOD</u> many small shell frags reddish 80-132 cm. ↓ | | |
| --80-- | | grad. cbr contact | | | | | | | | |
| --90-- | | 2.5Y 4/1 | | | | | 96 | | | |
| --100-- | | | | | | | | | | |
| --110-- | | | | | | | | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | 142 shell frag 146 shell frag (bivalve) | | |
| --150-- | | CLAY 10Y 4/1 | clay | m.s. | grad. contact | | 147 | ① <u>NOD</u> | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:




| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|--------------------|------------|------|-------------------------------|----------|----------|--|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | CLAY 104 4/2 | | | | | | | | |
| -- 10 -- | ↓ | clay | u.s. | | 2 ↓ | | ① <u>NUD</u> | | |
| -- 20 -- | | clay | u.s. | grad. biot. or strat. contact | | 19 24 | ② <u>SILTY NUD</u> | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | clay | u.s. | | | | ③ <u>NUD</u> with sand-filled burrows | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | clay | u.s. | grad. contact w/ below | | 56 56 | ④ <u>SILTY NUD</u> | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by:  | Date: 25/12/11 |
|-------------------|--------------|------------|-------|-------------------------|----------|---------|----------------------------------|--|----------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | grey loam | clay | m. s. | washed biot. contact | 3 ↓ | | ② SILTY MUD | | |
| -- 10 -- | grey ↓ | clay | m. s. | | | | 7 8 shell fragment ① FLUID | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth (cm) | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|------------|-------------------|--------------------|------------|------|------------------------|----------|---|---------------------------------------|------------|-------|
| | | | Avg. | Max. | | | | | | |
| 0 | | | | | | | | ED | 25/12/11 | |
| 0-10 | | ↑ | clay | u.s. | ? | ↓ | | ED QUD | | |
| 10-20 | | | | | | | 9-11) crack + void | | | |
| 20-30 | | CLAY 10Y 4/2 | clay | u.s. | wotted | | 23-28cm SS 33) coarse bed | (2) SILTY QUD Silty Mud w/ BioCarb | | |
| 30-40 | | ↓ | | | | | | | | |
| 40-50 | | | | | | | 44: crack. | | | |
| 50-60 | | | | | | | 51 coarser bed | | | |
| 60-70 | | | | | | | 59: crack | | | |
| 70-80 | | | | | | | 69 | | | |
| 80-90 | | | | | | | | small shell frags | | |
| 90-100 | | | | | | | 91 coarser bed | | | |
| 100-110 | | | | | | | 110 | | | |
| 110-120 | | 116 | | | | | 116 | | | |
| 120-130 | | 2.5Y 4/2 | | | | | 118-120) sand & shell frags filled burrows | | | |
| 130-140 | | | | | | | | more reddish | | |
| 140-150 | | | | | | | 134: crack | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|----------|------------|------|------------------------|----------|---------|-----------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | reddish (all section) | | |
| -- 10 -- | 2.54 | | | | 3 | | | | |
| -- 20 -- | 4/1 ↓ | clay | m.s. | mottled | ↓ | | ② SILTY MUD | | |
| -- 30 -- | | | | | | | small shell frags | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | grad. contact | | | | | |
| -- 80 -- | | | | | | | 80/81: py. grain | | |
| -- 90 -- | | clay | w.s. | | | | ① MUD | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | grad. contact | | | | | |
| -- 120 -- | | clay | m.s. | mottled | | | ② SILTY MUD | | |
| -- 130 -- | | | | | | | small shell frags | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

339-U1389C-8H-3-A_SHLF3582171_20111225155228.tif
 Expedition 339: Mediterranean Outflow

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|----------------------|----------|------------|------|------------------------------|----------|---------|---|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | 2.54 | | | | 2 | | | | |
| -- 10 -- | 4/2 ↓ | | | | ↓ | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | clay | m.s. | wotted | | | reddish (all section) ② <u>SILTY MUD</u> (very muddy) | | |
| -- 40 -- | | | | | | | small shell frags | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | grad. contact | | | | 83 | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | clay | m.s. | | | | ED MUD | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | grad. contact | | | | 123 | |
| -- 130 -- | | clay | m.s. | wotted | | | ② <u>SILTY MUD</u> small shell frags + micas? | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 25 -- | 2.54 | | | | | | | | |
| -- 30 -- | 4/1 ↓ | clay | m.s. | mottled | 3 ↓ | | ② SILTY MUD few small shell frags + micas? | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | -56 py. grain | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | -76 shell frags | | |
| -- 90 -- | | | | | | | | | |
| -- 91 -- | | | | very grad contact | | | -91 shell frags | | |
| -- 100 -- | | | | | | | -96 py. grain | | |
| -- 110 -- | | clay | m.s. | | | | ① MUD | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | -110 py. grain | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|------------------------|------------|------|--------------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| --0-- | | | | | | | | | |
| --10-- | 2.5Y 4/2 reddish | clay | m.s. | mottled | 3 ↓ | | (2) SILTY MUD | | |
| --20-- | | | | | | | p = reddish -23 color contact ↓ + greenish | | |
| --30-- | 4/1 10Y 4/1 | | | | | | -33 shell frags | | |
| --40-- | | | | sharp to erosional inclined | | | 41/36 inclined sandy layer, somewhat graded, sharp to erosional basal contact sand ~2cm | | |
| --50-- | | clay | m.s. | | | | 44/40: idem ↳ 2 turbidites? (1) MUD | | |
| --60-- | | | | grad. contact | | | -56 | | |
| --70-- | | | | | | | | | |
| --80-- | | clay | m.s. | mottled | | | -78) black and shell frags - filled burrow -80) (2) SILTY MUD -87 shell frags (very muddy) | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | -107) shell frags - filled burrow -110) | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

SS
silty
sand w/
Bio Carbon

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|--------------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| -- 0 -- | CLAY 104 4/1 | clay | m.s. | grad. contact | 3 ↓ | | ② SILTY MUD | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 28 -- | | | | | | | | | |
| -- 30 -- | | clay | m.s. | | | | | | |
| -- 40 -- | more reddish | | | | | | ① MUD | | |
| -- 41 -- | | | | | | | 40) CLAY 104 4/1 layer | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | 2.54 4/1 | | | | | | | | |
| -- 80 -- | more reddish | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 117 -- | | | | | | | | | |
| -- 120 -- | CLAY 104 4/1 | | | biot. contact | | | | | |
| -- 130 -- | | clay | m.s. | | | | | | |
| -- 140 -- | | | | | | | ② SILTY MUD (very muddy) few shell frags | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|---------------------|------------|------|------------------------|----------|---------|-------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | ② SILTY mud | | |
| -- 10 -- | CLAY 104 4/12 | clay | m.s. | | 3 ↓ | | micrach ① mud | | |
| -- 20 -- | ↓ | | | | | | | | |
| -- 30 -- | | | | | | | 28 shell fragment | | |
| -- 40 -- | | | | | | | 42 shell fragment | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|-------------------|------------|------|------------------------|----------|---------|--|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | 2.5 Y 4/2 ↓ | clay | m.s. | | 3 ↓ | | reddish ① <u>qud</u> few small shell frags | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

339-U1389C-9H-2-A_SHLF3582411_20111225165020_.tif
 Expedition 339: Mediterranean Outflow

| | Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-----------|-------------------|------------------|------------|------|--------------------------|----------|---------|--|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | 2.5Y 4/2 ↓ | clay | m.s. | | 3 ↓ | | reddish ① <u>NUD</u> few small shell frags | | |
| -- 20 -- | | | | | | | 20 SS | Calcareous Mud | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 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: | Date: |
|-------------------|--------------------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | EO | 25/12/11 |
| -- 0 -- | | | | | | | 0-24 cm: reddish | | |
| | 2.54 | | | | 3 | | | | |
| -- 10 -- | 4/2 | | | | ↓ | | 12: shell frags | | |
| | reddish | | | | | | 18/19: gastropod shell frags | | |
| -- 20 -- | 24 | | | | | | 24: gradational color change | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | CLAY 107 4/2 | clay | w.s. | | | | ⊙ <u>NUD</u> | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | 80: shell frags 83-85 cm: greenish nit-filled burrows | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | 101 | | |
| | 2.54 | | | grad. contact | | | | | |
| -- 110 -- | 4/4 6 | | | | | | reddish | | |
| | | clay | w.s. | wetbed | | | ⊙ SILTY NUD | | |
| -- 120 -- | reddish | | | | | | 121-123: stick-filled burrows small shell frags and sand-filled burrows | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------------|------------|------|--------------------------|----------|-----------------------|---|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| -- 0 -- | | | | | | | 3 shell frags | | |
| -- 10 -- | 2.5Y 4/1 | | | | | | 7 shell frags reddish ② SILTY MUD | | |
| -- 20 -- | | clay | m.s. | mottled | | | 23-24 shell frags | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | sharp + inclined contact | lined | XRD 52-53 56 SS cm | black sand SAND (2 cm) normal grading ↑ NUD | | |
| -- 60 -- | | | | sharp + inclined contact | lined | | SAND (2 cm) normal grading ↳ 2 turbidites? 56 S.S. Silty Sand w/ Bio Carb | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | clay | m.s. | mottled | | | reddish ② SILTY MUD small shell frags | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | 122 color change greenish | | |
| -- 130 -- | 10Y 4/1 | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-----------------|------------|------|--------------------------|----------|---------|---|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| | CLAY 104 4/1 | clay | m.s. | wetted | 3 | | ② SILTY MUD | | |
| | | | | biot. contact | ↓ | | | | |
| | | silt | m.s. | wetted | | | SANDY MUD small shell frags | | |
| | | | | biot. contact | | | | | |
| | | clay | m.s. | wetted | | | ② SILTY MUD | | |
| | | | | biot. contact | | | | | |
| | | silt | m.s. | wetted | | | SANDY MUD small shell frags | | |
| | | | | biot. contact | | | | | |
| | | clay | m.s. | wetted | | | ② SILTY MUD small shell frags | | |
| | | | | inclined, biot. contact | | | 78/84 inclined contact → disturbance? | | |
| | | silt | m.s. | | | SS | 96 cm SANDY MUD small shell frags Sandy Mud w/ Bio Corb | | |
| | | | | inclined contact | | | 102/112 inclined contact? | | |
| | | clay | m.s. | sharper inclined contact | | | ② SILTY MUD + pocket of silt (black) | | |
| | | clay | m.s. | | | | ② SILTY MUD | | |
| | | | | grad. contact | | | 130 | | |
| | | clay | m.s. | | | | 124/135: echinoderm spine? | | |
| | | | | | | | ① MUD | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|-------------|------------|------|------------------------|----------|---------|---|------------------|--------------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | ilt-filled burrow | | |
| | GREY 104 | | | | 3 | | | | |
| -- 10 -- | 4/2 ↓ | | | | ↓ | | | | |
| -- 20 -- | | | | | | | | | |
| | | clay | w.s. | | | | 25 shell 22 fms a little bit more silty | | ① NUD |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | small shell fms | | |
| -- 50 -- | | | | | | | | | |
| | | | | | | | sh: crack | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | biot. contact | | | | | |
| | | | | | | | | | |
| -- 80 -- | | clay | w.s. | wotted | | | | | ① SILTY NUD small shell fms |
| | | | | grad. contact | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| | | clay | w.s. | | | | | | ① NUD |
| -- 110 -- | | | | | | | 105: crack | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------|------------|------|------------------------|----------|---------|--|------------|--|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| -- 0 -- | grey | | | | | | | | |
| | 10Y 4/1 | clay | m.s. | | 2 | | | | ① <u>NUD</u> |
| -- 10 -- | | | | | ↓ | | | | |
| | | | | ? | | | 16: crack | | |
| -- 20 -- | | clay | m.s. | biot. contact | | | 21 | | ② <u>SILTY NUD</u> |
| -- 30 -- | | | | | | | | | ① <u>NUD</u> |
| -- 40 -- | | | | biot. contact | | | 41 | | |
| | | | | | | | 42 shell frags | | |
| -- 50 -- | | | | | | | | | disturbed strata? |
| -- 60 -- | | clay | m.s. | | | | | | ② <u>SILTY NUD</u> |
| | | | | | | | | | small shell frags |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | biot. contact | | | 80 | | ~ vertical structures: burrows? disturbance? |
| -- 90 -- | | clay | m.s. | | | | | | ① <u>NUD</u> |
| -- 100 -- | | | | biot. contact | | | 102 | | |
| | | clay | m.s. | mottled | | | 106: scalloped frnt | | |
| -- 110 -- | | | | | | | 107) ② <u>SILTY NUD</u> | | |
| | | | | | | | 109) vertical burrow with black diffuse color. | | |
| -- 120 -- | | | | | | | | | small shell frags + micas? |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: EO | Date: 25/12/11 |
|-------------------|---------------------|------------|------|----------------------------|----------|---------|--|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | grey loam 1/2 | silt | m.s. | washed | 3 | | | | |
| -- 10 -- | | clay | m.s. | washed inclined contact | ↓ | | 6 small shell frags + micras? inclined contact → disturbance? | | |
| -- 20 -- | | | | grad. contact | | | 16 | | |
| -- 30 -- | | clay | m.s. | | | | 23: shell frag | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-----------|-------------------|--------------------|------------|------|------------------------|----------|---------|----------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | GLEY 10Y 4/2 | | | | | | | | |
| -- 10 -- | | ↓ | clay | m.s. | | ? | | ⊕ QUD | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: EO | Date: 25/12/11 |
|-----------|-------------------|--------------------|------------|------|--------------------------------|----------|---------|---|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | CLAY 104 4/2 | | | | | | | | |
| -- 20 -- | | ↓ | clay | u.s. | | 3 ↓ | | (1) MUD | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | grad. contact | | | | | |
| -- 70 -- | | | | | | | | (2) SILTY MUD small shell frags vertical burrow | | |
| -- 80 -- | | | clay | u.s. | wotted | | | 76-77cm: inclined discontinuous sandy layer | | |
| -- 90 -- | | | | | | | | | | |
| -- 94 -- | | | | | grad. contact sharp contact | | | | | |
| -- 95 -- | | | | | | | | SAND | | TURBIDITE? |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | clay | u.s. | wotted | | | (2) SILTY MUD small shell frags | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | very muddy | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|------|------------------------|----------|---------|---|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| -- 0 -- | | | | | | | | | |
| | 2.54 | | | | | | reddish | | |
| -- 10 -- | 4/1 ↓ | | | | 3 ↓ | | | | |
| -- 20 -- | | | | | | | | | |
| | | clay | m.s. | watbled | | | ② SILTY MUD | | |
| -- 30 -- | | | | | | | 25 shell frags very muddy small shell frags | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | grad. contact | | | 48 | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | 69: shell frags | | |
| | | clay | m.s. | | | | ① MUD | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | grad. contact | | | 98 | | |
| | | | | | | | 105: shell frags | | |
| -- 110 -- | | clay | w.s. | watbled | | | ② SILTY MUD | | |
| | | | | | | | small shell frags | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|---------|-------------------|-----------------|------------|------|------------------------|----------|---------|--|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | slightly reddish | | |
| --10-- | | 254 w/s b | | | | 3 4 | | | | |
| --20-- | | | clay | m.s. | wotted | | | ② SILTY MUD small shell frags | | |
| --30-- | | | | | | | | | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | | | | |
| --60-- | | | | | | | | 55 60/62 shell frags coarser bed | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | biot. contact | | | 86 | | |
| --90-- | | | silt | m.s. | wotted | | | | SANDY MUD | |
| --100-- | | | | | biot. contact | | | 99 | | |
| --110-- | | | | | | | | | ② SILTY SAND | |
| --120-- | | | clay | m.s. | wotted | | | 116 small shell frags 117: shell frags coarser bed | | |
| --130-- | | | | | | | | 129 | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|----------------------|--------------------|------------|------|------------------------------|----------|---------|---|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | grey 104 4/2 | clay | m.s. | mottled | 3 ↓ | | 8: shell frags ② <u>SILTY MUD</u> small shell frags | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | grad. contact | | | | | |
| -- 40 -- | | clay | m.s. | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | grad. contact | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | clay | m.s. | mottled | | | ② <u>SILTY MUD</u> small shell frags | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | biot. contact | | | | | |
| -- 140 -- | | silt | m.s. | mottled | | | 134 shell frags <u>SANDY MUD</u> small shell frags Calcareous Sandy Mud | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|--------------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| -- 0 -- | CLAY | | | | | | | | |
| | 104 | | | | | | | | |
| -- 10 -- | 4/2 | silt | m.s. | wotted | 3 ↓ | | 12 SANDY MUD small shell frags | | |
| -- 20 -- | | | | biot. contact | | | 22 | | |
| -- 30 -- | 2.54 | | | | | | | | |
| | 4/2 | clay | m.s. | wotted | | | | | |
| -- 40 -- | more reddish | | | | | | reddish ② SILTY MUD small shell frags 43-45) black patch - shell frags | | |
| -- 50 -- | | | | grad. contact | | | 51 | | |
| -- 60 -- | | | | | | | 65-61 cm: oblique, sand-filled burrow | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | clay | m.s. | | | | reddish ① MUD | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | more reddish | | | | | | 98/100: shell fragment | | |
| -- 110 -- | | | | | | | | | |
| | | | | grad. contact | | | 115 | | |
| -- 120 -- | CLAY | | | | | | | | |
| | 104 | | | | | | | | |
| | 4/2 | clay | m.s. | | | | Calcareous Silty Mud SS - 125 cm ② SILTY MUD | | |
| -- 130 -- | | | | | | | 130) small shell frags 132) discontinuous sand bed or large sand-filled burrow? | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-----------------|------------|------|--------------------------|----------|---------|---------------------------------------|------------|----------|
| | | Avg. | Max. | | | | | ED | 25/12/11 |
| -- 0 -- | | | | | | | | | |
| | GLE41 | | | | | | | | |
| -- 10 -- | 104 4/2 ↓ | clay | m.s. | | 3 ↓ | | Ⓢ <u>NUD</u> few small shell frags | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | 101: crack | | |
| -- 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. | | | | | ED | 25/12/11 |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | grey 10Y 4/2 | clay | m.s. | | 2 ↓ | | ① mud few small shell frags | | |
| -- 20 -- | | | | | | | → gradual color change | | |
| -- 30 -- | 2.5Y 4/2 | | | | | | ↓ more reddish | | |
| -- 40 -- | more reddish | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-----------|-------------------|-------|------------|-------|------------------------|----------|---------|------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | 2.54 | | | | | | | | |
| | | 4/2 | clay | m. s. | | 3 | | slightly reddish | | |
| -- 10 -- | | ↓ | | | | ↓ | | ⊕ <u>NUD</u> | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-----------|-------------------|-------------------------|------------|------|------------------------|----------|---------|--------------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| | | CLAY 104 4/1 ↓ | clay | m.s. | | 3 ↓ | | ① 700 few shell frags | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |


MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|-----------------|------------|------|------------------------|----------|-----------|---------------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| | CLAY | | | | | | | | |
| -- 10 -- | 107 4/2 ↓ | silt | m.s. | wellbed | 3 6 | | | | |
| -- 20 -- | | | | | | | SANDY (UD) small shell frags | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | 37: echinoderm spine? | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | SS - 40cm | Sandy Mud w/ Bio Carb | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|-----------------|------------|------|------------------------|----------|---------|---|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| | CLAY | | | | | | | | |
| -- 10 -- | 10Y 4/2 ↓ | | | | 3 ↓ | | shell frags (bivalve) | | |
| -- 20 -- | | silt | m.s. | wotted | | | | | |
| -- 30 -- | | | | | | | SANDY MUD few small shell frags | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | 55  | | |
| -- 70 -- | | | | | | | 70 shell frags | | |
| -- 80 -- | | | | biot. contact | | | 80 | | |
| -- 90 -- | | clay | m.s. | wotted | | | ② SILTY MUD few shell frags | | |
| -- 100 -- | | | | grad. contact | | | 90 | | |
| -- 110 -- | | clay | m.s. | | | | ① MUD | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | 136/136: py. grain? | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-----------|-------------------|--------------------|------------|------|------------------------|----------|---------|----------|------------------|--------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | CLAY 10Y 4/2 | clay | m.s. | | 3 ↓ | | | | |
| -- 20 -- | | ↓ | | | | | | ① QUD | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | 67: shell fragment |
| -- 80 -- | | | | | | | | | | 82: shell fragment |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | ED | 25/12/11 |
| -- 0 -- | | | | | | | | | |
| | CLAY | | | | | | | | |
| -- 10 -- | 104 | | | | ↓ | | | | |
| | 4/1 | | | | ↓ | | | | |
| -- 20 -- | ↓ | | | | | | | | |
| -- 30 -- | | clay | m.s. | | | | ① MUD | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | grad. contact | | | | 58 | |
| | | clay | m.s. | walled | | | ② SILTY MUD small shell frags | | |
| -- 70 -- | | | | biot. contact | | | | 70 | |
| -- 80 -- | | | | | | | | | |
| | | silt | m.s. | walled | | | SANDY MUD small shell frags | | |
| -- 90 -- | | | | | | | | | |
| | | | | biot. contact | | | | 97 | |
| -- 100 -- | | | | | | | | | |
| | | clay | m.s. | walled | | | ③ SILTY MUD very muddy | | |
| -- 110 -- | | | | | | | | | |
| | | | | grad. contact | | | | 119 | |
| -- 120 -- | | clay | m.s. | | | | ④ MUD | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

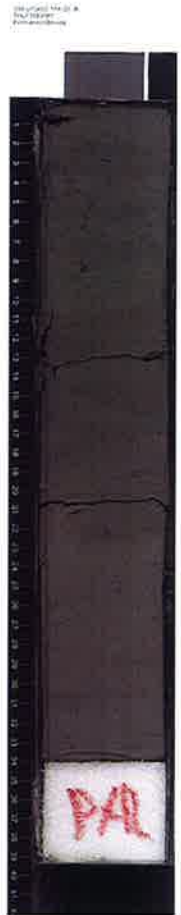
MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 25/12/11 |
|-------------------|--------------------------|------------|-----------|------------------------|----------|---------|---------------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| | G1041 104 4/2 ↓ | | clay w.s. | | 3 ↓ | | ① <u>NUD</u> | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | 20/21: shell frags | | |
| | | | | | | | 26/27: dark silt-filled burrows | | |
| -- 30 -- | | | | | | | | | |
| | | | | | | SS | 35 cm Nanno clay | | |
| -- 40 -- | | | | | | | 39/40: shell frags | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 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. | | | | | | |
| -- 0 -- | CLAY | | | | | | | ED | 25/12/11 |
| | 104 | clay | M-S. | | 2 | | ⊙ <u>gud</u> | | |
| -- 10 -- | 4/2 | | | | ↓ | | | | |
| | ↓ | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: NIN | Date: 26/Dec/2011 |
|------------------------|-----------------|------------|--------------------------------|------------------------|----------|-----------|---|-------------------|----------------------|
| | | Avg. | Max. | | | | | | |
| --0-- Fall- 3 in | GREY 4/1 10Y | Clay | Very fine Sand (foam) | Massive | BI:2 | | Type 1: Mud - Foam present - 16 P _g burrow - 30 Foram patch - 59 ↓ shell fractions - 68 SS - 66 * "fractions" is smaller than "fragments" | | |
| | | | | | | | | | |
| Biscuits (faint) | | | | | | | | | |
| --100-- 101 | | | | Gradational Contact | | | | | |
| --110-- | GREY 4/1 10Y | Silt | Very fine sand | Massive | BI:2 | | Type 2: Silty mud - Foram present - Dispersed shell fragments | | |
| --120-- | | | | | | +20 SS | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| 148 --150-- | | | | Gradational Contact | | | Type 1: Mud (see details in 2A) | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------------|----------------|------------------------|---------------------------------|----------|---------|---|------------|-------------|
| | | Avg. | Max. | | | | | | |
| | GLEXY #/10Y | Clay | Very fine sand (Foram) | Massive | BI:2 | | Type 1: Mud (continued from 1A) - Foram present | N IV | 28/Dec/2011 |
| | | | | | | | - 37 Foram pieces | | |
| | | | | | | | - 49 Shell fragments | | |
| | | | | | | | - 58 py burrows | | |
| | GLEXY #/10Y | Very fine sand | Fine sand | Proturbid contact Massive | BI:1 | | Type 3: Silty sand - Foram present | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | GLEXY #/10Y | Silt | Very fine sand (foram) | Massive | BI:3 | | Type 2: Silty mud - Foram present - Shell fragments Burrows filled by silty sand (from upper unit) - 104 Shell (echinoid's spine? coral?) | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | GLEXY #/10Y | Very fine sand | Fine sand | Massive | BI:1 | | Type 3: Silty sand - Foram present - Shell fragments | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|----------------|------------|-----------------------|------------------------|----------|--|----------|------------|-------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | UU | 25/04/2011 | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| 64 | | | | | Sharp contact | | | | | |
| -- 70 -- | Biscuits (faint) | GLY1 #1 10Y | Clay | Very Fine Sand (faam) | Massive BI-2 | | Type 1: Mud - Shell fragments | | | |
| -- 80 -- | | | | | | | 75 ↓ burrows filled with silty sand 80 | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | 109 Foram patches | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------------|------------|-------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Type 1: Mud (same as above) | NN | 24 Dec 2011 |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | 31 Shell fragments | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

Biscuits (faint)

100
 ↓ Foram rich
 108

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|----------------|----------------|-----------|------------------------|----------|--|----------|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | NN | 26/Dec/2011 | |
| --10-- | | | | | | | Type 1: Mud (same as above) | | | |
| --20-- | | | | | | | 18 shell fragments | | | |
| --30-- | | | | | | | | | | |
| --40-- | | | | | | | 37 } Py burrows 38 } 39 } | | | |
| --50-- | | | | | | | Foam rich | | | |
| --60-- | | | | | | | Gradational contact ↓ | | | |
| 63 | | GLEK1 #110Y | Silt | Fine sand | Massive | BI: 3 | Type 2: Silty mud - Shell fragments | | | |
| --70-- | | | | | | | Gradational contact ↓ | | | |
| 112 | | GLEK1 #110Y | Very fine sand | Fine sand | Massive | BI: 2 | Type 3: Silty sand - Shell fragments (common) | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --110-- | | | | | | | | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth (m) | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|----------------|------------|------------------|------------------------|----------|--|----------|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| 0 | | | | | | | | NN | 26/Dec/2011 | |
| 0-10 | | | | | | | Type 3: Silty sand (same as above) + shell fragments | | | |
| 20 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 34 | | | | | | | | | | |
| 34-40 | | GLEXY F/10Y | Silt | Very fine sand | Massive BI:2 | | | | | |
| 40-50 | | | | | | | | | | |
| 50-60 | | | | | | | | | | |
| 60-70 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 71-80 | | GLEXY F/10Y | Clay | Fine Sand (foam) | Massive BI:2 | | | | | |
| 80-90 | | | | | | | Type 3: Mud 03 shell fragment dispersed shell fragments & forams | | | |
| 90 | | | | | | | | | | |
| 95 | | | | | | | | | | |
| 95-100 | | | | | | | Type 2: Silty mud (see detail in CCA) | | | |
| 100-110 | | | | | | | | | | |
| 110-120 | | | | | | | | | | |
| 120-130 | | | | | | | | | | |
| 130-140 | | | | | | | | | | |
| 140-150 | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|--------------|------------|-------------------|------------------------|----------|-------------------|----------|------------|----------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | Biscuits (faint) | GLY1 #104 | Silt | Fine Sand (faint) | Massive | Bt: 2 | Type 2: Silty mud | NN | 2/26/2011 | |
| -- 10 -- | | | | | | | | | | 8 shell fragments |
| 13 | | | | | | | | | | Paleo - sample |
| 19 | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 | |
|-------------------|------------|------------|--------------------|------------------------|----------|---------|--|------------------|------------------------|-----|
| | | Avg. | Max. | | | | | | | |
| | 10Y 4/1 | silt | m. sand (foram) | massive | BI 3 | | Silty mud - foram present - 37, shell fragments - 44, shell fragments gradational contact | | | |
| | | | | | | | | | | 66 |
| | | | | | | | | | | 69 |
| | | | | | | | | | | 79 |
| | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present - 79, shell fragment - 84, gastropods fragment - 90, P, burrow. gradational contact. | | | |
| | | | | | | | | | | 98 |
| | 10Y 4/1 | silt | m. sand (foram) | massive | BI 3 | | silty mud - foram present - 103~104, shell fragments gradational contact. | | | |
| | | | | | | | | | | 106 |
| | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present - 114, sca pholids fragment - 126, P, burrow gradational contact. | | | |
| | | | | | | | | | | 110 |
| | | | | | | | | | | 140 |
| | | | | | | | | | | 46 |
| 150 | | | | | | | | | | |

Small shell fragments

82
Small shell fragments
92

110
Small shell fragments

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|----------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| 0 | | | | | | | Same as above | | |
| 10 | | | | | | | 13. shell frag ments | | |
| 20 | | | | | | | 19. shell frag ments | | |
| 30 | | | | | | | 31. shell fragments | | |
| 40 | | | | gradational contact | | | 39. shell frag ment | | |
| 43 | 10Y 4/1 | silt | m. sand (foram) | massive | BZ 3 | | silty mud - foram present | | |
| 50 | | | | | | | | | Small shell fragments |
| 60 | | | | gradational contact | | | | | |
| 70 | 10Y 4/1 | clay | m. sand (foram) | massive | BZ 3 | | mud - foram present | | |
| 80 | | | | | | | 78. P ₂ burrow | | |
| 85 | | | | | | | 81. shell fragments | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 109 | | | | gradational contact | | | 106. P ₂ burrow | | 103 |
| 110 | 10Y 4/1 | silt | m. sand (foram) | massive | BZ 3 | | silty mud - foram present | | Small shell fragments |
| 120 | | | | gradational contact | | | | | |
| 121 | 10Y 4/1 | clay | m. sand (foram) | massive | BZ 3 | | mud - foram present | | |
| 125 | | | | | | | 125. shell fragment | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | 146. P ₂ burrow | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|-----------------|-------------------------------------|----------|---------|-------------------------------|------------|-----------------------|
| | | Avg. | Max. | | | | | ST | 2011 12/26 |
| --0-- | | | | | | | Same as above - (top section) | | |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | 19, shell fragments | | |
| 29 | | | | gradational contact | | | 27 P burrows | | |
| --30-- | 2.5Y 4/1 | silt | h. sand (foram) | massive | | | Silty mud - foram present | | |
| --40-- | | | | | BZ 3 | | | | |
| --50-- | | | | | | | 50 shell fragment | | Small shell fragments |
| --60-- | | | | gradational contact (+bioturbation) | | | 60 shell fragment | | |
| 69 | | | | | | | 66 shell fragment | | |
| --70-- | 10Y 4/1 | clay | h. sand (foram) | massive | | | mud - foram present | | |
| biscuit | | | | | BZ 2 | | 74, shell fragment | | |
| --80-- | | | | | | | 85, scaphopods fragment | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | gradational contact | | | 106, P burrow | | |
| 116 | | | | | | | 113, shell fragment | | |
| --120-- | 2.5Y 4/1 | silt | h. sand (foram) | massive | BZ 2 | | Silty mud - foram present | | |
| 126 | | | | gradational contact | | | | | Small shell fragments |
| --130-- | 10Y 4/1 | clay | h. sand (foram) | massive | BZ 2 | | mud - foram present | | |
| | | | | | | | 128, P burrow | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | 146, shell fragment | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ST | Date: 2011 12/26 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|---------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | Same as above | | |
| | | | | | | | -29, P. burrow | | |
| | | | | | | | -39, P. burrow | | |
| | | | | | | | -58, P. burrow | | |
| | | | | | | | -65, HSS | | |
| | | | | | | | -71, shell fragment | | |
| | | | | gradational contact | | | | | |
| 87 | 10Y 4/1 | silt | h. sand (foram) | massive | BI 3 | | Silty mud - foram present | | |
| | | | | | | | | | small shell fragments |
| | | | | gradational contact | | | | | |
| 105 | 10Y 4/1 | clay | h. sand (foram) | massive | BI 3 | | mud - foram present | | |
| | | | | | | | -118, P. burrow | | |
| | | | | | | | -145, P. burrow | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-------------------|-------|------------|------|------------------------|----------|---------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | -12, shell fragment | | |
| -- 20 -- | | | | | | | -18, shell fragment -20, P ₁ burrow | | |
| -- 30 -- | | | | | | | -35, shell fragments | | |
| -- 40 -- | | | | | | | -46, P ₁ burrow | | |
| -- 50 -- | | | | | | | -54, shell fragments | | |
| -- 60 -- | | | | | | | -68, shell fragments | | |
| -- 70 -- | | | | | | | -78, shell fragments | | |
| -- 80 -- | | | | | | | -85, shell fragments | | |
| -- 90 -- | | | | | | | -90, shell fragments | | |
| -- 100 -- | | | | | | | -96, shell fragments | | |
| -- 110 -- | | | | | | | -104, shell fragment | | |
| -- 120 -- | | | | | | | -108, shell fragments | | |
| -- 130 -- | | | | | | | -118, shell fragment | | |
| -- 140 -- | | | | | | | -123, P ₁ burrow | | |
| -- 150 -- | | | | | | | -132, P ₁ burrow | | |
| | | | | | | | -148, shell fragment | | |

biscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-------------------|-------|------------|------|------------------------|----------|---------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | | | | -15, foram patch | | |
| --20-- | | | | | | | -25, shell fragment | | |
| --30-- | | | | | | | -30, P ₁ burrow -31, shell fragment | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | -49, shell fragments | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | -68, P ₁ burrow -71, P ₁ burrow -74, P ₁ burrow | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | -85, shell fragments | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | -106, shell fragments | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | -123, shell fragment | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

13)

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ST | Date: 2011/26 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|---------------------------|---------------|---------------|
| | | Avg. | Max. | | | | | | |
| 0 | | | | | | | Same as above | | |
| 10 | | | | | | | 2, P, burrow | | |
| 20 | | | | | | | 15, shell fragment | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | 50, shell fragment | | |
| 59 | | | | gradational contact | | | | | |
| 60 | 10Y 4/1 | silt | m. sand (foram) | massive | BZ 3 | | Silty mud - foram present | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-----------|-------------------|-------|------------|------|--------------------------|----------|---------|---------------|--------------------|------------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | ↑ biscuit ↓ | | | | | | | Same as above | | |
| 2-10 | | | | | | | | | 11, shell fragment | |
| 18 | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| | GREY / 4/10Y | Silt | Medium sand (foram) | Massive | BI:3 | | Type 2: Silty mud - Foram present | UN | 26 Dec 2011 |
| | | | | | | | -16 shell fragments -18 -22 Foram present -35 scaphopod | | |
| | | | | | | SS | | | |
| | | | | Gradational contact | | | | | |
| | GREY / 4/10Y | Silt | Medium sand (foram) | Massive | BI:3 | | Type 2.5: Sandy mud -73 -80 P ₁ burrows -85 Foram present -93 shell fragments -104 P ₁ burrow -115 -125 shell fragments | | Fining upward |
| | | | | Gradational contact | | | | | |
| | GREY / 4/10Y | Silt | Medium sand (foram) | Massive | BI:3 | | Type 2: Silty mud -135.5 shell fragment | | Coarsening upward |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------------|----------------|-------------------|------------------------|----------|---------|---|------------|-------------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | Type 2: Silty mud (same as above) | NN | 26/Dec/2011 |
| | | | | | | | Shell fragments | | |
| | | | | Bioturbated contact | | | | | |
| | GLEXY 4/10Y | Clay | Fine sand (foram) | Massive BI:2 | | | Type 1: Mud 46 P _y burrow • Foram present | | Coarsening upward |
| | | | | Bioturbated contact | | | | | |
| | GLEXY 4/10Y | Silt | Fine sand (foram) | Massive BI:2 | | | Type 2: Silty mud • Foram present • dispersed shell fragments | | Fining upward |
| | Biscuits | | | | | | | | |
| | | | | Bioturbated contact | | | | | |
| | GLEXY 4/10Y | Clay | Fine sand (foram) | Massive BI:3 | | | Type 1: Mud • dispersed shell fragments • Foram present | | Coarsening upward |
| | | | | Gradational contact | | | | | |
| | GLEXY 4/10Y | Silt | Very fine sand | Massive BI:2 | | | Type 2: Silty mud • dispersed shell fragments 120 P _y burrow | | Fining upward |
| | | | | Gradational contact | | | | | |
| | GLEXY 4/10Y | Very fine sand | Fine sand | Massive BI:2 | | | Type 3: Silty sand • dispersed shell fragments | | |

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|----------------|--------------------|------------------------|---------------------|---------------------------------------|--|------------|-------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | Type 3: Silty sand (same as above) | NN | 26 Dec 2011 |
| 0 -- | | | | | | | | | |
| | | | | | | 755 4 py burrow 11 14 scaphopod | <ul style="list-style-type: none"> Foram present | | |
| 10 -- | | | | | | | | | |
| | | | | | | | | | |
| 20 -- | | | | | | | | | |
| | | | | | | | | | |
| 30 -- | | | | | | | | | |
| | | | | | | | | | |
| 40 -- | | | | | | | | | |
| 42 -- | | | | | Bioturbated | | | | |
| | GLE Y 1 | Clay | fine sand (burrow) | Contact | | | Type 1: Mud | | |
| | F/1 10Y | | | Massive | BI:3 | | <ul style="list-style-type: none"> Foram present | | |
| 50 -- | | | | | | | | | |
| | | | | | | | | | |
| 60 -- | | | | | | | | | |
| | Biscuits | | | | | | | | |
| 70 -- | | | | | | | | | |
| | | | | | Bioturbated contact | | | | |
| 73 -- | | | | | | | | | |
| | GLE Y 1 | Very fine sand | fine sand | Massive | BI:3 | | Type 3: Silty sand | | |
| | F/1 10Y | | | | | | <ul style="list-style-type: none"> Foram present Dispersed shell fragments | | |
| 80 -- | | | | | | | | | |
| | | | | | | | | | |
| 90 -- | | | | | | | | | |
| | | | | | | | | | |
| 94 -- | | | | | | | | | |
| | | | | | | | | | |
| 100 -- | GLE Y 1 | Clay | Fine sand (burrow) | Massive | BI:4 | | Type 1: Mud | | |
| | F/1 10Y | | | | | | <ul style="list-style-type: none"> Foram present | | |
| 110 -- | | | | | | | | | |
| | | | | | | | | | |
| 120 -- | | | | | | | | | |
| 120.5 | | | | | | | | | |
| | | | | | (BI:3) | | | | |
| 130 -- | | | | | | | | | |
| | | | | | | | | | |
| 140 -- | | | | | | | | | |
| | | | | | | | | | |
| 150 -- | | | | | | | | | |

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: NN | Date: 2/26/2011 |
|-------------------|-------------|------------|-------------------|------------------------|----------|---------|------------------------------|---------------|-----------------|
| | | Avg. | Max. | | | | | | |
| 0-- | | | | | | | Type 1: Mud (same as above) | | |
| 9 | | | | | | | scaphopod | | |
| 10-- | | | | | | | | | |
| 20-- | | | | | | | scaphopod, shell fragments | | |
| 24 | | | | | | | scaphopod | | |
| 30-- | | | | | | | | | |
| 40-- | | | | | | | | | |
| 50-- | | | | | | | | | |
| 60-- | | | | | | | | | |
| 70-- | | | | | | | | | |
| 72 | | | | | | | | | |
| 82 | | | | | | | | | |
| | | | | Gradational contact | | | | | |
| | GLEYS 4/10Y | Silt | Fine sand (Foram) | Massive BI:3 | | | Type 2: Silty mud | | |
| 90-- | | | | | | | Dispersed shell fragments | | |
| | | | | | | | Foram present | | |
| 100-- | | | | | | | | | |
| 110-- | | | | | | | | | |
| 122 | | | | | | | | | |
| | | | | Bioturbated contact | | | | | |
| | GLEYS 4/10Y | Clay | Fine sand (Foram) | Massive BI:3 | | | Type 1: Mud | | |
| 130-- | | | | | | | Shell fragments (in burrows) | | |
| 136 | | | | | | | Gastropod | | |
| 140-- | | | | | | | | | |
| 150-- | | | | | | | | | |

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------------|------------|-------------|
| | | Avg. | Max. | | | | | NN | 26/Dec/2011 |
| | | | | | | | Type I: Mud (same as above) | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | 48 Gastropod | | |
| | | | | | | | 55 Gastropods | | |
| | | | | | | | 68 Shell fragments | | |
| | | | | | | | 75 ss | | |
| | | | | | | | 84 | | |
| | | | | | | | ↓ Shell fragments | | |
| | | | | | | | 92 | | |
| | | | | | | | 110 | | |
| | | | | | | | } Py burrows | | |
| | | | | | | | 121 | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | 146 Py burrows | | |
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Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------------|------------|-------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | Type 1: Mud (same as above) | NN | 26 Dec 2011 |
| | | | | | | | | | |
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Biscuit 75

-22 Py burrow

-42 scaphopod

-54 shell fragments

-90 scaphopod

-95 shell fragments

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|---|------------|-------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | NN | 26/Dec/2011 |
| -- 10 -- | | | | | | | | Type 1: Mud (same as above) | | |
| -- 20 -- | | | | | | | | +9 +12 Shell fractions → 11 Py burrow | | |
| -- 30 -- | | | | | | | | +27 scaphopods (3) +29 | | |
| -- 40 -- | | | | | | | | +31 Py burrow filled with forams | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Bis cuts

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|--------------------------------------|------------|-------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | NN | 26/Dec/2011 |
| -- 10 -- | | | | | | | | Type 1: Mud (same as above) | | |
| -- 20 -- | | | | | | | | -10 } -17 } Py burrows | | |
| -- 30 -- | | | | | | | | -27 Sca phopod | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | -47 Py burrow | | |
| -- 60 -- | | | | | | | | | | |
| 61 | | | | | Sharp contact | | | <u>Type 3: Silty sand</u> | | |
| -- 70 -- | | | | | Massive | | | - Foram present - Shell fragments | | |
| 73 | | | | | Sharp contact | | | <u>Type 1: Mud</u> | | |
| 74 | | | | | Massive | | | | | |
| 84 | | | | | | | | Paleo-sample | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Biscuits

AK

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 200 12/26 |
|-------------------|-------------|------------|--------------------|------------------------|----------|---------|--|------------------|-----------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | 2.5Y 4/1 | silt | m. sand (foram) | massive | BI 2 | | Silty mud - foram present shell fragments 18 21, shell fragment | | |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | | | |
| 23 | 10Y 4/1 | clay | m. sand (foram) | massive | BI 2 | | mud - foram present 49, shell fragment 62, foram patch 73, P ₁ burrow 79, shell fragments 105, P ₁ burrow 119, shell fragment 123, shell fragments 130, P ₁ burrow 141, shell fragment | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| 140 | 10Y 4/1 | silt. | m. sand (foram) | massive | BI 3 | | Silty mud - foram present 145 ~ 146, P ₁ burrow? | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|---|------------------|----------------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above 26, shell fragment | | Small shell fragments |
| --10-- | | | | gradational contact | | | | | |
| 11 | 10Y 4/1 | Vf sand | m. sand | massive | BZ 3 | | Silty sand - foram present contains some black layer | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | | | | Small shell fragments |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | 47, shell fragment 49 black layer 51 (pyrite?) | | |
| --60-- | | | | | | | 63, shell fragment | | |
| --70-- | biscuit | | | | | | | | |
| 77 | | | | bioturbated contact | | | | | |
| --80-- | 10Y 4/1 | silt | m. sand (foram) | massive | BZ 4 | | Silty mud - foram present 79, py burrow 84, shell fragments | | Small shell fragments |
| --90-- | | | | | | | 91, py burrow 97, py burrow 106, echinoid fragment | | |
| --100-- | | | | | | | 104, py burrow 106, py burrow | | 102 ↑ black layer ↓ 108 |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | bioturbated contact | | | 137, py burrow | | |
| 137 | | | | | | | | | |
| --140-- | 10Y 4/1 | Vf sand | m sand | massive | BZ 3 | | Silty sand - foram present | | Small shell fragments |
| 146 | | | | bioturbated contact | | | | | |
| --150-- | 10Y 4/1 | clay | m sand (foram) | massive | BZ 3 | | mud - foram present | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-------------------|-------|------------|------|------------------------|----------|---------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above 6, shell fragments | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | 28) shell fragments 32) | | |
| -- 40 -- | | | | | | | 41 shell fragments 45 shell fragments | | |
| -- 50 -- | | | | | | | 50 shell fragments | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | 72, 77 burrow | | |
| -- 80 -- | | | | | | | 80, shell fragment | | |
| -- 90 -- | | | | | | | 91, shell fragment | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | 114, foram patch | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | 147, shell fragment | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-------------------|------------|------------|-----------------|------------------------|----------------------|----------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | 829 shell fragments | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | bioturbated contact | | 50 55 | 46, P ₁ burrow 53, P ₁ burrow 54, echinoid fragment | | |
| 57 | | | | | | | | | |
| -- 60 -- | 10Y 4/1 | f. sand | m. sand | | BI 2 ^o | 63 55 | Silty sand (well sorted) 62 shell fragment | | |
| -- 70 -- | | | | massive | | | 70 shell fragment | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | bioturbated contact | | | | | |
| 95 | | | | | | | | | |
| 99 | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011/12/26 | |
|-------------------|-------------|------------|------|------------------------|----------|---------|---|--------------------------|---------------------|--|
| | | Avg. | Max. | | | | | | | |
| -- 0 -- | biscuit | | | | | | Same as above | | | |
| | | | | | | | | 7 silt filled burrows | | |
| -- 10 -- | | | | | | | | 10. py burrow | | |
| | | | | | | | | 12, shell fragment | | |
| -- 20 -- | | | | | | | | | | |
| | | | | | | | | 26, py burrow | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | 42, py burrows | | |
| | | | | | | | | 46 ~ 48, py burrows | | |
| -- 50 -- | | | | | | | | | | |
| | | | | | | | | 56, shell fragment | | |
| -- 60 -- | | | | | | | | | | |
| | | | | | | | | 74, shell fragments | | |
| -- 80 -- | | | | | | | | | | |
| | | | | | | | | 82 ~ 83, shell fragments | | |
| -- 90 -- | | | | | | | | | | |
| | | | | | | | 92, shell fragment | | | |
| | | | | | | | 96, shell fragments | | | |
| -- 100 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| | | | | | | | 112, echinoid fragment?, shell fragments (coral?) | | | |
| -- 120 -- | | | | | | | | | | |
| | | | | | | | 128, shell fragments | | | |
| -- 130 -- | | | | | | | | | | |
| | | | | | | | 135, shell fragments | | | |
| -- 140 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|----------------------|------------|------------|----------------------|------------------------------|----------|---------|-------------------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| 8. | | | | gradational contact | | | | | |
| --10-- | 10Y 4/1 | silt | fin. sand (foram) | massive | BI 3 | | Silty mud foram present | | |
| --20-- | | | | gradational contact | | | | | shell fragments |
| 23 | 10Y 4/1 | clay | fin. sand (foram) | massive | BI 2 | | mud - foram present | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | 49, shell fragments | | |
| --60-- | | | | | | | 55, shell fragments | | |
| --70-- | | | | | | | 71, shell fragments | | |
| --80-- | | | | | | | 79, Py burrow | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | 100, Py burrow | | |
| --110-- | | | | | | | 110, shell fragment | | |
| --120-- | | | | | | | 112, shell fragment (gastropod?) | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth (m) | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 | |
|-----------|-------------------|---------|------------|-----------------|------------------------|----------|---------|---------------------------|--------------------|---------------------|--|
| | | | Avg. | Max. | | | | | | | |
| 0 - 10 | ↑ discuss it | | | | | | | Same as above | | | |
| 10 - 20 | | | | | | | | | 10, shell fragment | | |
| 20 - 30 | | | | | | | | | | 17, shell fragments | |
| 30 - 44 | | | | | | | | | | | |
| 44 - 54 | | | | | | | | | | | |
| 54 - 59 | | | | | gradational contact | | | | | | |
| 59 - 67 | ↓ | 10Y 4/1 | silt | M. sand (foram) | massive | B1 3 | | silty mud - foram present | | | |
| 67 - 70 | | | | | | | | | | | |
| 70 - 80 | | | | | | | | | | | |
| 80 - 90 | | | | | | | | | | | |
| 90 - 100 | | | | | | | | | | | |
| 100 - 110 | | | | | | | | | | | |
| 110 - 120 | | | | | | | | | | | |
| 120 - 130 | | | | | | | | | | | |
| 130 - 140 | | | | | | | | | | | |
| 140 - 150 | | | | | | | | | | | |

MAJOR LITHOLOGY:


MINOR LITHOLOGY:



| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|---------------------|------------------|-------------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | ↑ | | | | | | | Same as above | | |
| | bisquit | | | | | | | -5, shell fragments | | |
| -- 10 -- | ↓ | | | | | | | | | ↑ small shell fragments |
| | | | | | | | | | | ↓ |
| 22 | | | | | | | | | | 11 |
| -- 20 -- | | | | | | | | | | |
| 27 | | | PAL | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| --0-- | Fall in | | | | | | | NN | 26/Dec/2011 | |
| 7 | | | | | | | | | | |
| --10-- | | GLAY 4/10Y | Clay | Fine sand (Folam) | Massive | BI:3 | | | | |
| --20-- | | | | | | | Type 1: Mud • Foram present • Burrow filled with silt  | | | |
| --30-- | | | | | | | | | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | 42 } 50 } Shell fragments | | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | 71 Py burrow | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | 89 } 93 } Py burrows | | | |
| --110-- | | | | | | | 98 Shell fractions ↓ 103 | | | |
| --120-- | | | | | | | 110 Shell fractions | | | |
| --130-- | | | | | | | 121 Py burrow | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | 128 Shell fractions | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------------|------------|-------------|
| | | Avg. | Max. | | | | | NN | 24 Dec 2011 |
| -- 0 -- | | | | | | | Type 1: Mud (same as above) | | |
| -- 10 -- | | | | | | | Shell fraction | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

Biscuits

32 Py burrow
 45 Scaphopod

107 shell fragments
 109 shell fragments

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|---------------------------------|------------|-------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | Type 1: Mud (same as above) | NN | 26/Dec/2011 |
| | | | | | | | 14 ↓ 17 shell fractions | | |
| | | | | | | | 40 shell fragment | | |
| | | | | | | | 70 SS | | |
| | | | | | | | 87 Py burrow | | |
| | | | | | | | 125 ↓ 129 shell fractions | | |
| | | | | | | | | | |
| | | | | | | | | | |



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|------------------|----------------|----------------|------------------------|----------|--|----------|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | NN | 26/Dec/2011 | |
| --10-- | | | | | | | Type 1: Mud (same as above) | | | |
| --20-- | | | | | | | | | | |
| --30-- | | | | | | | 27 Scaphopoda | | | |
| 35 | | | | | Gradational contact | | | | | |
| --40-- | | GLY 1 4/1 10Y | Silt | Fine sand | Massive BI:2 | | Type 2.5: Sandy mud | | | |
| 45 | | | | | Sharp contact | | | | | |
| --50-- | | GLY 1 4/1 10Y | Silt | Very fine sand | Massive BI:2 | | Type 2: Silty mud • Shell fragments | | | |
| 53 | | | | | | | | | | |
| --60-- | Biscuits | GLY 1 4/1 10Y | Very fine sand | Fine sand | Massive BI:2 | | Type 3: Silty sand • Foram present • Dispersed shell fragments | | | |
| --70-- | | | | | | no ss | 62 Scaphopod | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| 103 | | | | | | | | | | |
| 105 | | | | | | | | | | |
| --110-- | | | | | Sharp contact | | Type 1: Mud (see detail in 5A) | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------------|------------|------------------------|------------------------|----------|---------|---|------------|------------|
| | | Avg. | Max. | | | | | | |
| | 5Y 3/1 | Clay | Very Fine Sand (Foram) | Massive | BI:3 | | Type 1: Mud - Foram present 4] burrows filled with silts 8] burrows filled with silts 10 Py burrows 22 Shell fragments 28 Py burrow 30 SS 42 Foram patch 45 shell fraction 58 Dispersed forams | NN | 26/10/2011 |
| | Biscuits | | | | | | | | |
| | | | | | | | Gap | | |
| | GLEYS 4/1 10Y | Clay | Very fine Sand (Foram) | Massive | BI:3 | | Type 1: Mud • Foram present 120 Py burrows 131 133 134 | | |
| | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------------|------------|-------------|
| | | Avg. | Max. | | | | | NN | 26/Dec/2011 |
| -- 0 -- | | | | | | | Type 1: Mud (same as above) | | |
| | | | | | | | 6 8 ↓ Shell fractions | | |
| -- 10 -- | | | | | | | | | |
| | | | | | | | Hb Py burrow | | |
| -- 20 -- | | | | | | | | | |
| 29 -- 30 -- | | | | | | | | | |
| 34 | | | | | | | Paleo - sample | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-------|-------------------|---------|------------|-----------------|------------------------|---------------------|---------|---|-----------------------|------------------|
| | | | Avg. | Max. | | | | | | |
| 0 | full | ln | | | | | | | | |
| 6 | | | | | | | | | | |
| 10 | | 10Y 4/1 | clay | m. sand (foram) | massive | BI 2 | | mud - foram present -10, shell fragment | | |
| 20 | | | | | | | | -24, shell fragment | | |
| 30 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 42 | | | | | | | | | | |
| 50 | | | | | gradational contact | | | | | |
| 53 | biscuit | 10Y 4/1 | silt | m. sand (foram) | massive | BI 3 | | silty mud - foram present | | |
| 60 | | | | | | | | -62, shell fragments | | |
| 70 | | | | | | | | | | |
| 80 | | | | | | gradational contact | | 82-83 py burrow -80, scaphopods fragment | Small shell fragments | |
| 90 | | 10Y 4/1 | clay | m. sand (foram) | massive | | | mud - foram present -87, shell fragment | | |
| 99 | | | | | gradational contact | | | -99, shell fragment | | |
| 100 | | | | | | | | | | |
| 100 | | 10Y 4/1 | silt | m. sand (foram) | massive | | | silty mud - foram present | | |
| 110 | | | | | gradational contact | | | -110, shell fragment | | |
| 112 | | 10Y 4/1 | vt. sand | m. sand | massive | BI 3 | | Sandy mud - foram present | | |
| 120 | | | | | | | | -123, shell fragment | small shell fragments | |
| 126 | | | | | | | | -126, shell fragment | | |
| 130 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 150 | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|------------|------------|-----------------|------------------------|----------|---------|---------------------------|------------|-----------------------|
| | | Avg. | Max. | | | | | SF | 2011 1/26 |
| 0 | | | | | | | Same as above | | |
| 10 | | | | | | | shell fragments | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | | | Small shell fragments |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 56 | | | | bioturbated contact | | | | | |
| 60 | 10T 4/1 | silt | m. sand (foram) | massive | BI 3 | | Silty mud - foram present | | |
| 66 | | | | bioturbated contact | | | 63, shell fragments | | |
| 70 | 10T 4/1 | v.f. sand | m. sand | massive | | | Sandy mud - foram present | | |
| 80 | biscuit | | | | BI 3 | | 69, shell fragments | | |
| 90 | | | | | | | 81, shell fragment | | Small shell fragments |
| 100 | | | | | | | 88 shell fragment | | |
| 109 | | | | bioturbated contact | | | | | |
| 110 | 10T 4/1 | silt | m. sand (foram) | massive | BI 3 | | Silty mud - foram present | | |
| 120 | | | | bioturbated contact | | | | | Small shell fragments |
| 127 | | | | bioturbated contact | | | | | |
| 130 | 10T 4/1 | v.f. sand | m. sand | massive | BI 3 | | Sandy mud - foram present | | |
| 140 | | | | | | | 132 shell fragment | | Small shell fragments |
| 150 | | | | | | | 141 shell fragment | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011/12/26 |
|-------|-------------------|-------|------------|------|------------------------|----------|---------|------------------------------------|---------------|------------------|
| | | | Avg. | Max. | | | | | | |
| 0 | ↑ biscuit ↓ | | | | | | | - Same as above - 10, p/ burrow | | |
| 10 | | | | | | | | | | |
| 18 | | | PAL | | | | | | | |
| 20 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 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. | | | | | | |
| | 2.5Y 4/1 | Silt | Fine Sand (Foram) | Massive | BI:3 | | Type 2: Silty mud • Foram present • Dispersed shell fragments -14 Foram patch | NN | 24 Dec 2011 |
| | 2.5Y 4/1 | Clay | Fine sand (foram) | Gradational change Massive | BI:3 | | Type 1: Mud • Foram present • Dispersed shell fragments • Ill sorted (due to bioturbation?) -17 Py burrow -82 } shell fragments -85 } | | |
| | 2.5Y 4/1 | Silt | Fine Sand (foram) | Bioturbated contact ↓ Massive | BI:3 | | Type 2: Silty mud • Foram present • Dispersed shell fragments -113 } shell fragments -119 } -141 } -144 } shell fragments | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|------------------------|------------------------|-----------|---------|---|------------|------------|
| | | Avg. | Max. | | | | | NN | 4/Dec/2011 |
| 0 | | | | Bioturbated contact | | | Type 2: Silty mud (same as above) | | |
| 4 | 2.5Y 4/1 | Clay | Fine sand (foram) | Massive | BI:3 | | Type 1: Mud • Foram present • Dispersed shell fragments - 14 Py burrow | | |
| 10 | | | | | | | | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | -64 Py burrow | | |
| 80 | | | | | | | -70 | | |
| 83 | | | | | | | | | |
| 85 | | | | | | | | | |
| 88 | | | | | | | -83 -85] Py burrow filled with shell fractions | | |
| 94 | | | | | | | -88 - Py burrow | | |
| 115 | | | | | | | -94 Foram patch | | |
| 124 | | | | Bioturbated contact | | | | | |
| 130 | 2.5Y 4/1 | Silt | Fine sand (foram) | Massive | BI:3 | | Type 2: Silty mud • Foram present • Dispersed shell fractions | | |
| 141 | 2.5Y 4/1 | Clay | Very fine sand (foram) | Massive | BI:3 ? | | Type 1: Mud • Foram present • Dispersed shell fragments | | |
| 150 | | | | | | | • Ill. sorted (due to bioturbation?) | | |

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|-----------------------------|----------|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | N N | 26 Dec 2011 | |
| -- 10 -- | | | | | | | Type 1: Mud (same as above) | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 65 -- | | | | | | | 655 | | | |
| -- 70 -- | | | | | | | | | | |
| -- 75 -- | | | | | | | | | | |
| -- 78 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 82 -- | | | | | | | | | | |
| -- 85 -- | | | | | | | | | | |
| -- 88 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 95 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Biscuit

73 Py burrow
 79 Py burrow

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|----------|------------|---------------------|------------------------|----------|---------|---|------------|----------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | NN | 29 Dec/2011 |
| -- 10 -- | | | | | | | | Type 1: Mud (same as above) | | |
| 18 | | | | | Gradational contact | | | | | |
| -- 20 -- | | 2.5Y 4/1 | Silt | Fine sand | Massive BI:2 ? | | | Type 2: Silty mud Foram present | | Finning upward |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | Gradational contact | | | | | |
| 55 | | 2.5Y 4/1 | Silt | Fine sand | Massive BI:2 | | | Type 2.5: Sandy mud • Dispersed shell fragments • Foram present | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | Biscuits | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | 2.5Y 4/1 | Silt | Fine sand (Foram) | Massive BI:3 | | | Type 2: Silty mud • Foram present | | |
| -- 130 -- | | | | | | | | | | |
| 134 | | | | | Bioturbated contact | | | | | |
| -- 140 -- | | 2.5Y 4/1 | clay | Fine sand (In situ) | Massive BI:4 | | | Type 1: Mud • Foram present | | |
| -- 150 -- | | | | | Bioturbated contact | | | Type 2: Silty mud | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

see detail SA

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------------|------------|------------------------|------------------------|----------|---------|---|------------|-------------|
| | | Avg. | Max. | | | | | | |
| --0-- | 2.5Y 4/1 | Silt | Very Fine sand (Foram) | Massive | BI:3 | | Type 2: Silty mud • Foram present | NN | 26/Dec/2011 |
| --10-- 13 | | | | Gradational contact | | | | | |
| --20-- | 2.5Y 4/1 | Silt | Fine sand | Massive | BI:3 | | Type 2.5: Sandy mud • Dispersed shell fragments • Foram present | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | | | |
| --80-- | Biscuits | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| 149 --150-- | | | | | | | | | |

77 }
 Pylburrows
 89 }

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|----------------|-------------|------------------------|----------|---------|-------------------------------------|------------|-------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | | NN | 26/Dec/2011 |
| --0-- | | | | | | | Type 2,5: Sandy mud (same as above) | | |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| 45 | 2.5Y 4/1 | Very fine sand | fine sand | Gradational contact | | | Type 3: Silty sand | | |
| --50-- | | | | Massive | BI:2 | | Shell fragments (rich) | | |
| 56 | 2.5Y 4/1 | clay | Silt | Sharp contact | | | Type 1: Mud | | |
| --60-- | | | | Massive | BI:3 | | • Foram present | | |
| --70-- | | | | | | | | | |
| 75 | 2.5Y 4/1 | Silt | Fine sand | Bioturbated contact | | | Type 2: Silty mud | | |
| --80-- | | | (Foram) | Massive | BI:3 | | • Foram present | | |
| --90-- | | | | | | | -88 R _y burrow | | |
| 96 | 2.5Y 4/1 | clay | Fine sand | Bioturbated contact | | | Type 1: Mud | | |
| --100-- | | | (in burrow) | Massive | BI:3 | | | | |
| 103 | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

↑ Fining upward

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth (m) | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|----------|------------|------------------------|--------------------------|----------|---------|----------|------------|-------|
| | | | Avg. | Max. | | | | | | |
| 0 | | | | | | | | NN | 26/Dec/11 | |
| 12 | | 2.5Y 4/1 | Silt | Fine sand | Gradational contact ↓ | | | | | |
| 24 | Biscuits | 2.5Y 4/1 | Silt | Fine sand | Massive BI-3 ? | | | | | |
| 34 | | | | | Sharp contact ↓ | | | | | |
| 35 | | 2.5Y 4/1 | Clay | Very fine sand (Foram) | Massive BI-3 ? | | | | | |
| 57 | | | | | | | | | | |
| 57 | | | | | | | | | | |

Type 1: Mud (same as above)

Type 2: Silty mud
 • Foram present
 • Dispersed shell fragments
 - 24 Py burrow

- 34 Py layer (burrow?)

Type 1: Mud
 • Foram present

- 56 Foram patch

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Depth (m) | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|----------|------------|-----------|------------------------|----------|---------|---|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| 0 | | | | | | | | N N | 26/Dec/2011 | |
| 0 - 20 | | | | | | | | Type 1: Mud (same as above) | | |
| 20 - 26 | | | | | | | | Paleo-sample potential contact? | | |
| 26 - 30 | | 2.5Y 4/1 | Silt | Fine sand | Massive | Bz: 2 | | Type 2: Silty mud • Foram present • Dispersed shell fragments | | |
| 30 - 40 | Biscuits | | | | | | | | | |
| 40 - 150 | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|--|---------|------------|-----------------|------------------------|----------|---------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- ↑ --10-- --20-- biscuit --30-- --40-- ↓ 41 | 10Y 4/1 | clay | h. sand (foram) | massive | BZ 3 | | - mud - foram present - 7. shell fragment | | |
| --50-- --60-- --70-- --80-- --90-- --100-- --110-- --120-- --130-- --140-- --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 | |
|-------------------|-------|------------|------|------------------------|----------|---------|----------------------------------|----------------------|------------------------|--|
| | | Avg. | Max. | | | | | | | |
| -- 0 -- | ↑ | | | | | | 1 Same as above | | | |
| | | | | | | | | 5, shell fragment | | |
| -- 10 -- | | | | | | | | 10) shell fragments | | |
| | | | | | | | | 12) shell fragments | | |
| -- 20 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 40 -- | | | | | | | | 36, shell fragment. | | |
| | | | | | | | | | | |
| -- 50 -- | | | | | | | | 49) py burrows | | |
| | | | | | | | | 54) | | |
| -- 60 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 80 -- | | | | | | | 80, shell fragment (scaphopods?) | | | |
| | | | | | | | | | | |
| -- 90 -- | | | | | | | 89, P ₂ burrow | | | |
| | | | | | | | | | | |
| -- 100 -- | | | | | | | 101, P ₂ burrow | | | |
| | | | | | | | 106, P ₂ burrow | | | |
| -- 110 -- | | | | | | | 110, P ₂ burrows | | | |
| | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 140 -- | | | | | | | 140, P ₂ burrow | | | |
| | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |
| | | | | | | | | | | |

biscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | <u>Same as above</u> | | |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | -21, py burrow | | |
| --30-- | | | | | | | -25, foram patch | | |
| --40-- | | | | | | | -31, py burrow? | | |
| --50-- | | | | | | | -46, py burrow | | |
| 58 | | | | gradational contact | | | | | |
| --60-- | 10Y 4/1 | silt. | m. sand (foram) | massive | BI 3 | | Silty mud - foram present 59-60 py burrows | | |
| 68 | | | | gradational contact | | | | | |
| --70-- | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present | | Small shell fragments |
| biscuit | | | | | | | | | |
| --80-- | | | | | | | -83, shell fragment | | |
| | | | | | | | -86, py burrow | | |
| --90-- | | | | | | | -92, py burrow | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | -127, shell fragment | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | -144, shell fragment | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ST | Date: 2011 12/26 |
|-------------------|---------|------------|---------|------------------------|----------|----------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| 0 | | | | | | | Same as above | | |
| 10 | | | | | | | | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | 27, shell fragment 30, py burrow | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | | | | | | | 66, py burrow | | |
| 70 | | | | | | | | | |
| 75 | | | | bio-turbulent contact | | | 74-75, py burrow | | |
| 80 | 10Y 4/1 | silt | m. sand | massive | BZ 3 | | Silty sand Foram present | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | 103-104, py burrow | | |
| 110 | | | | | | 110 S.S. | 110 shell fragment 111-113 py burrows | | Small shell fragments |
| 120 | | | | | | | 127 shell fragment 127-128 py burrow | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2-11 12/26 |
|-------------------|-----------------|------------|-----------------|------------------------|----------|----------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | same as above -5, py burrow | | Small shell fragments |
| --10-- | | | | gradational contact | | | | | |
| 11 | 10Y 4/1 | vf. sand | m. sand | massive | BZ 3 | | Silty sand - foram present | | Small shell fragments |
| --20-- | | | | | | -22 S.S. | | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | -40 py burrows -43 shell fragments | | |
| --50-- | | | | | | | -50, scaphopods fragment -55, py burrow | | |
| --60-- | | | | | | | | | |
| 50 | | | | gradational contact | | | | | |
| 70 | biscuit 10Y 4/1 | silt | m. sand (foram) | massive | BZ 3 | | Silty mud - foram present -71, shell fragments | | Small shell fragments |
| --80-- | | | | | | | -83, shell fragment | | |
| --90-- | | | | | | | -92, shell fragment | | |
| --100-- | | | | | | | | | |
| 106 | | | | gradational contact | | | -101, py burrow | | |
| --110-- | 10Y 4/1 | clay | m. sand (foram) | massive | BZ 2 | | mud - foram present | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | -129, py burrow | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | -141, py burrow -142, shell fragment | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011/12/26 |
|-------------------|---------|------------|-----------------|--------------------------------|----------|---------|--|------------------|-----------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- 12 | | | | gradat / contact | | | | | |
| 17 | 10Y 4/1 | silt | m. sand (foram) | massive, gradat / contact | BI 3 | | silty mud - foram present | | |
| --20-- | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present 18, shell fragments | | |
| --30-- | | | | | | | 29, Py burrow | | |
| --40-- | | | | | | | 42, Py burrow 44, shell fragments | | |
| --50-- 57 | | | | bioturbated / contact | | | | | |
| --60-- 65 | 10Y 3/1 | v.f. sand | m. sand | massive, bioturbated / contact | BI 3 | | silty sand 65, echinoid fragment | | Small shell fragments |
| --70-- | 10Y 3/1 | silt | m. sand | massive, bioturbated / contact | BI 3 | | silty mud | | |
| 72 | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present | | |
| --80-- | | | | | | | 81, shell fragment | | 77 |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | 110, shell fragments | | |
| --120-- | | | | | | | 120, shell fragments | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-------------------|-------|------------|------|------------------------|----------|---------|----------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| 0 | | | | | | | Same as above | | |
| 4 | | | | | | | shell fragment | | |
| 17 | | | | | | | py burrow | | |
| 72 | | | | | | | py burrow | | |
| 79 | | | | | | | foran patch? | | |
| 99 | | | | | | | shell fragment | | |
| 110 | | | | | | | shell fragment | | |
| 130 | | | | | | | shell fragment | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/26 |
|-----------|-------------------|---------|------------|---------|------------------------|----------|---------|--------------------------|------------------|------------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | ↑ | | | | | | | Same as above | | |
| | biscuit | | | | | | | | | |
| -- 10 -- | ↓ | | | | bioturbated / contact | | | 8, py burrow | | |
| 15 | ↓ | 10Y 4/1 | f. sand | m. sand | massive | BZ 29 | | silty sand (well sorted) | | |
| -- 20 -- | | | | | | | | | | |
| 22 | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| --0-- | | GREY 4/10Y | Clay | Medium sand (foam) | Massive | BF: 2 ? | | Type: Mud ↳ 2 Gastropod • Foram present | MN | 29 Dec 2011 |
| --10-- | | | | | | | | | | |
| --20-- | | | | | | | | | | |
| --30-- | Biscuits | | | | | | | | | |
| --40-- | | | | | | | -74 Gastropod | | | |
| --50-- | | | | | | | | | | |
| --60-- | | | | | | | | -56 shell fragments | | |
| --61-- | | | | | | | | | | |
| 64 | | | | | | | | Gap | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --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. | | | | | | |
| | GLEXY 4/10Y | Very fine sand | Medium sand | ↑ Upper contact is not clear Massive | BI:2 ? | | Type 3: Silty sand - Foram present | NN | 26/Dec/2011 |
| | GLEXY 4/10Y | Silt | Fine sand | Gradational contact Massive | BI:2 | | Type 2.5 Sandy mud - Foram present - Dispersed shell fragments | | ↗ coarsening upward |
| | GLEXY 4/10Y | Clay | Fine sand (foram) | potentially sharp contact Bioturbated contact Massive | BI:3 | | Type 1: Mud - Foram present - Dispersed shell fragments | | |
| | GLEXY 4/10Y | Silt | Fine sand (in burrows) | Gradational contact ↓ Massive | BI:3 | | Type 2: Silty mud - Foram present - Dispersed shell fragments | | ↖ fining upward |
| | GLEXY 4/10Y | Very fine sand | Fine sand | Gradational contact ↓ Massive | BI:3 | | Type 3: silty sand - 127 Py burrow - 145 SS | | |


MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------------|------------|---------------------------|------------------------|----------|---------|------------------------------------|------------|-------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Type 3: silty sand (same as above) | NU | 26 Dec 2011 |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| 45 | | | | gradational contact | | | Type 2.5: Sandy mud | | |
| --50-- | GREY 4/10Y | Silt | Fine Sand (in burrows) | Massive BI:3 | | | (coarsening upward) | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | | | |
| --80-- | Biscuits | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | 94 shell fragment | | |
| --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. | | | | | | |
| | | | | | | | Type 2.5: Sandy mud (same as above) | NN | 26/Dec/2011 |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | 17 Py burrow | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | 34 } Py burrows 36 } | | |
| -- 50 -- | | | | | | | 40 } shell fragments 49 } | | |
| -- 60 -- | | | | | | | 60 Py burrow | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 85 -- | Grey 4/10Y | Silt | Fine Sand (in burrows) | | | | Type 2: Silty mud relatively finer | | coarsening upward |
| -- 90 -- | | | | | | | Foram present | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 115 -- | | | | | | | 112 ↓ burrow filled with shell fragments 114 ↓ | | |
| -- 120 -- | | | | | | |  | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------------------|------------|-------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | NN | 26 Dec 2011 |
| -- 10 -- | | | | | | | | Type 2; Silty mud (same as above) | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Biscuits

31 shell fractions

42 scaphopod

123 by burrow

| Depth (m) | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: NN | Date: 26/Dec/2011 |
|-----------|-------------------|----------------|------------|---------------------------|------------------------|----------|---------|-----------------------------------|---------------|------------------------------|
| | | | Avg. | Max. | | | | | | |
| 0 | | | | | | | | Type 2: Silty mud (same as above) | | |
| 10 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 45 | | | | | Gradational Contact | | | | | |
| 50 | | GLEXY 4/10Y | Clay | fine sand (in burrows) | Massive | BI-3 | | Type 1: Mud - Foram present | | coarsening upward |
| 60 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 80 | Biscuiting | | | | | | | | | |
| 90 | | | | | | | | | | |
| 89 | | | | | | | | | | |
| 91 | | | | | | | | | | |
| 89-91 | | | | | | | | | | burrows filled with cf. sand |
| 100 | | | | | | | | | | |
| 102 | | | | | | | | | | Shell fractions |
| 110 | | | | | | | | | | |
| 120 | | | | | | | | | | |
| 130 | | | | | | | | | | |
| 130-146 | | | | | | | | | | Shell fractions |
| 146 | | | | | | | | | | |
| 150 | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|----------|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | NN | 26/Dec/2011 | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| 124 | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Type: Mud (same as above)

Biscuits

75
SS No shell fragment
SS Calcareous Mud

91
↓ shell fragments
97

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|----------|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | NN | 26/Dec/2011 | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| 46 | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| 51 | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Biscuits

Type 1: Mud (same as above)

11 Foram patch

Pales - sample

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|--------------------------|------------|-------|------------------------|----------|---------|------------|------------|----------|
| | | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | | |
| | | GREY loam 4/2 ↓ | clay | in-s. | walled | ↓ | | | | |
| -- 10 -- | | | | | | | | ② SILTY WD | | |
| | SLIGHTLY DISCOURT | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | ED | 26/12/11 |
| --0-- | | | | | | | | | |
| --10-- | CLAY 104 4/1 ↓ | day | u.s. | walled | 2 ↓ | | (2) SILTY MUD | | |
| --20-- | | | | | | | 23: shell fragment | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | | | |
| --70-- | BISCUIT | | | | | | | | |
| --80-- | SLIGHTLY | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --115-- | | | | | | | 111 } sand-filled burrow 115 | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --148-- | | | | | | | 148 dark sand-filled burrow | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|------------|------------|------|------------------------|----------|---------|---|------------|----------|
| | | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | | |
| | | grey | | | | | | 2 shell frags 3) sand-filled burrows | | |
| -- 10 -- | | 10Y 4/2 | clay | m.s. | | | | ② SILTY mud | | |
| -- 20 -- | | ↓ | | | | | | | | |
| -- 30 -- | | | | | | | | 27: shell frags | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | 54) 56) sand-filled burrows | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | 72 | | |
| -- 80 -- | | | | | | | | silt sand-filled burrows | | |
| -- 90 -- | | | | | | | | 51: shell frags | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | 112 | | |
| -- 120 -- | | | | | | | | 122) 124) large sand-filled burrows | | |
| -- 130 -- | | | | | | | | 135) 137) dark sand-filled burrows | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

SLIGHTLY BISCUIT

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|---------------------|------------|------|------------------------|----------|---------|---------------------------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | GLYM1 loy 4/2 | silt | m.s. | welled | 2 ↓ | | SANDY MUD few small shell frags | | |
| -- 20 -- | | | | | biot. contact | | 19 | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | clay | m.s. | welled | | | ② SILTY MUD very small shell frags | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

SLIGHTLY BISECTED

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|---------------------|------------|----------|
| | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | |
| | grey | | | | | | ↑ silty | | |
| -- 10 -- | grey | | | | 3 | | ↓ | | |
| | 4/2 | clay | m.s. | mottled | ↓ | | -12-135: more muddy | | |
| -- 20 -- | ↓ | | | | | | (2) SILTY MUD | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

SLIGHTLY BISCUIT

SS -120 cm Calcareous Mud

↑ 135
↓ silty

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|---------|-------------------|--------------------------|------------|------|------------------------|----------|---------|--|---------------|----------------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | | | |
| --10-- | | grey loam 4/2 ↓ | clay | w.s. | mottled | 3 ↓ | | | | |
| --20-- | | | | | | | | ② SILTY mud very muddy | | |
| --30-- | | | | | | | | small shell frags all along the section | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | | | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| --80-- | BISCUIT | | | | grad. contact | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | clay | w.s. | | | | ① mud | | |
| --110-- | | | | | | | | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|-------------------------|------------|------|------------------------|----------|---------|----------|------------------|---|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | grey 10Y 4/2 ↓ | | | | 3 ↓ | | | | |
| -- 20 -- | | | clay | u.s. | | | | | | |
| -- 30 -- | | | | | | | | | | ① <u>N/D</u> with forams (a little bit more silty) |
| -- 40 -- | | | | | | | | | | few small shell frags all along the section |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 65 -- | | | | | grad. contact | | | | | 65 |
| -- 70 -- | | | clay | u.s. | watbled | | | | | |
| -- 80 -- | | | | | grad. contact | | | | | |
| -- 81 -- | | | | | | | | | | 81 |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | clay | u.s. | | | | | | |
| -- 110 -- | | | | | | | | | | ① <u>N/D</u> more silty (forams?) |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

SLIGHTLY BISCUIT

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

339-U1389C-21X-CC-A
 20111226134451
 20111226134451




| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|----------------------------|------------|----------|
| | | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | | |
| | | GREY | | | | | | | | |
| | | 10Y | | | | | | | | |
| -- 10 -- | | 4/1 | | | | | | | | |
| | | ↓ | clay | m.s. | | 3 | | ① <u>NUD</u> | | |
| | | | | | | ↓ | | slightly silty (+ forams?) | | |
| -- 20 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 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. | | | | | ED | 26/12/11 |
| --0-- | CLAY | | | | | | greenish section | | |
| --10-- | 10Y 4/1 ↓ | clay | m.s. | wotted | 3 ↓ | | ② SILTY MUD | | |
| --20-- | | | | | | |  | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --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. | | | | | | |
| --0-- | | | | | | | | | | |
| | | CLAY 10Y | | | | | | greenish section | | 26/12/11 |
| --10-- | | 4/1 ↓ | clay | m.s. | wellbed | 3 ↓ | | ② <u>SILTY MUD</u> | | |
| --20-- | | | | | | | |  | | |
| --30-- | | | | | grad. contact | | | | | |
| --30-- | | | | | | | SS -27 -28 cm | Mud w/ Biocarb | | |
| --40-- | | | clay | m.s. | | | | ① <u>MUD</u> with many forams | | |
| --50-- | | | | | | | | | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --110-- | | | | | | | | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

B / S O W I T

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------------|------------|-----------|------------------------|----------|---------|-----------------|------------|----------|
| | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | lighter section | | |
| | GREY SLY | | | | | | | | |
| -- 10 -- | S/L | | | | ↓ | | | | |
| -- 20 -- | | | clay m.s. | | | | ⊕ <u>NUD</u> | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|----------------------|-------|------------|------|------------------------------|----------|---------|--------------------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | CLAY | | | | 3 | | | | |
| | SGY | | | | ↓ | | | | |
| -- 10 -- | S12 | clay | m.s. | | | | | | |
| | ↓ | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | -40: shell frags -42: shell frags | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | -66) many shell frags -70) | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | -82) small shell frags -88) | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | -104-105: shell frags | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | -126) many shell frags -130) | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|------------|------------|------|--------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | GREY | | | | | | | | |
| -- 10 -- | SLY S/L | clay | m.s. | | 3 ↓ | | ① MUD few small scattered shell frags | | |
| -- 20 -- | ↓ | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | BISCUIT | | | | | | | | |
| -- 80 -- | | | | | | | -78: py grain | | |
| -- 90 -- | SLIGHTLY | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | -128 } many small shell frags | | |
| -- 140 -- | | | | | | | -141 } | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-------------------|-------------------------|------------|------|------------------------|----------|---------|----------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | | |
| | GLEY 5G4 5/2 ↓ | clay | m.s. | | 3 ↓ | | (1) MUD | | |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

BISCUIT

51: py. grain

74: shell fragm

114, 116) small shell fragm

SS - 139 cm **Calcareous Mud**

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|-----------|------------------------|----------|---------|-----------------------|------------|----------|
| | | Avg. | Max. | | | | | ED | 26/12/11 |
| --0-- | (darker) | | | | | | | | |
| | GLY | | | | | | | | |
| --10-- | SGY | | clay w.s. | | 3 | | ⊕ mud | | |
| | 412 | | | | ↓ | | few small shell frags | | |
| --20-- | ↓ | | | | | | | | |
| --30-- | | | | | | | | | |
| | | | | | | | | | |
| --40-- | | | | | | | | | |
| | | | | | | | | | |
| --50-- | | | | | | | | | |
| | | | | | | | | | |
| --60-- | | | | | | | | | |
| | | | | | | | | | |
| --70-- | | | | | | | | | |
| | | | | | | | | | |
| --80-- | | | | | | | | | |
| | | | | | | | | | |
| --90-- | | | | | | | | | |
| | | | | | | | | | |
| --100-- | | | | | | | | | |
| | | | | | | | | | |
| --110-- | | | | | | | | | |
| | | | | | | | | | |
| --120-- | | | | | | | | | |
| | | | | | | | | | |
| --130-- | | | | | | | | | |
| | | | | | | | | | |
| --140-- | | | | | | | | | |
| | | | | | | | | | |
| --150-- | | | | | | | | | |

BISCUIT

33: crack

50: crack

60: crack

83: crack

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|--------------|------------|------|------------------------|----------|---------|-------------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | CUEY1 SCY | | | | | | | | |
| -- 10 -- | | 4/2 ↓ | clay | w.s. | | 2 ↓ | | ① <u>NUD</u> (+ forams) | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | |
| | CLAY 104 | | | | | | | | |
| -- 10 -- | 4/4 ↓ | clay | w.s. | wetted | 3 ↓ | | 12: shell frags ② SILTY MUD | | |
| -- 20 -- | | | | | | | small shell frags all along the section | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | very gradat contact | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | clay | w.s. | | | | ① MUD slightly silty (forams?) | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

BISCUIT SLIGHTLY

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|--------------------|------------|-----------|------------------------|----------|---------|---|------------|----------|
| | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | |
| | CLAY 10Y 4/2 | | clay m.s. | | 3 ↓ | | ① <u>NOI</u> slightly silty (+forams?) 21: shell frags 29: shell frags | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | small shell frags all along the section | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|----------|------------------|---|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| | | GLEN | | | | | | | | |
| | | 10Y | | | | | | | | |
| -- 10 -- | | 4/1 | clay | m.s. | | 2 | | | | |
| | | ↓ | | | | ↓ | | | | |
| -- 20 -- | | | | | | | | | | |
| | | | | | | | | | | ① NUD |
| | | | | | | | | | | 17 } slightly silty |
| | | | | | | | | | | 19 } shell frags |
| -- 30 -- | | | | | | | | | | |
| | | | | | | | | | | small shell frags all along the section |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|-------------------------|------------|------|------------------------|----------|---------|-----------------------------------|------------------|--|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | GREY 104 4/2 ↓ | clay | m-s | | ~ ↓ | | ① <u>NUD</u> small shell frags | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | -110: shell frags |
| -- 120 -- | | | | | | | | | | -114: shell frags -123: shell frags |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|-------------------------|------------|------|------------------------|----------|---------|---|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | grey 104 4/1 ↓ | clay | med. | | 3 ↓ | | ① mud few small shell frags all along the section | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | CLEM 104 4/1 ↓ | clay | m.s. | | 2 ↓ | | ① mud - 16: py. shell frags | | |
| -- 20 -- | | | | | | | few small shell frags | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 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. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | BISCUIT | grey 10Y 4/1 | clay | m.s. | | | | (1) 700 with forams and very few small shell frags | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | SLIGHTLY | | | | | | 2886 | Calcareous Mud | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/12 |
|-----------|-------------------|-------------------------|------------|------|------------------------|----------|---------|---|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | CLEM 104 4/2 ↓ | clay | m.s. | | 3 ↓ | | ① <u>NUD</u> slightly silty few small shell frags | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | clay | m.s. | grad. contact | | 144 | ② <u>SILTY NUD</u> | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: | |
|-------------------|---------------------|------------|--------|------------------------|---------------|---------|---|---|----------|--|
| | | Avg. | Max. | | | | | ED | 26/12/11 | |
| SLIGHTLY BISCUIT | GLY11 104 4/2 | clay | m.s. | | 3 ↓ | | ② SILTY MUD | | | |
| | 2.54 4/2 | | | biot. contact | | | ↓ more reddish  | | | |
| | | silt | m.s. | wotted | | | 34: shell frags SANDY MUD few small shell frags | | | |
| | | | | | biot. contact | | |  | | |
| | | clay | m.s. | wotted | | | 78: shell frags ② SILTY MUD | | | |
| | | | | biot. contact | | | 100: shell frags | | | |
| | | | | biot. contact | | | | | | |
| | silt | m.s. | wotted | | | | few small shell frags SANDY MUD | | | |
| | | | | | | | 133: shell frags | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: EO | Date: 26/12/11 |
|-------------------|--------------|------------|------|--------------------------|----------|---------|--|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | 2.5Y | | | | | | | | |
| -- 10 -- | 4/1 ↓ | silt | m.s. | watled | 3 ↓ | | | | |
| -- 20 -- | | | | | | | SANDY MUD few small shell frags | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 55 -- | | | | biot. contact | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 75 -- | | | | | | | | | |
| -- 79 -- | BISCUIT ↓ | clay | m.s. | watled | | | new reddish ↑ ② SILTY MUD few small shell frags | | |
| -- 82 -- | | | | | | | | | |
| -- 88/89 -- | | | | | | | | shell frags | |
| -- 108 -- | | | | | | | | shell frags | |
| -- 104 -- | 10Y 4/1 ↓ | | | | | | | | |
| -- 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. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | grey loam 4/1 ↓ | clay | m.s. | wotted | 3 ↓ | | -12: echinoderm spine (2) <u>SILTY NUD</u> | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | grad. contact | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | clay | m.s. | | | | ⊕ <u>NUD</u> slightly silty (+ forams?) | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

BISCUIT

106
109) shell frags

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|---|------------|----------|
| | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | clay | m.s. | | 3 ↓ | | ① <u>NUD</u> slightly silty small shell frags | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | 73: shell frags | | |
| -- 80 -- | | | | | | | 80 | | |
| -- 90 -- | | | | | | | ① <u>NUD</u> | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | 114 } coral frags 121 | | |
| -- 130 -- | | | | | | 125SS | Calcareous Mud | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| -- Depth -- | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-------------|-------------------|-------------------------|-------------------|------|------------------------|----------|---------|------------------------------|------------------------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | grey 10Y 4/1 ↓ | clay | u.s. | | 2 ↓ | | -13 py. tube ① <u>NDP</u> | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | BISCUIT | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | -78/79: shell frags | |
| -- 90 -- | | | 28 2.5Y 4/1 | | | | | | -88 color change to more reddish ↓ | |
| -- 100 -- | | | | | | | | | -96) vertical burrow? -102 | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-------------------|------------------|------------|------|------------------------|----------|----------------------|------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| | | clay | w.s. | biot. contact | 2 ↓ | | ① NUD (reddish) | | |
| | | | | | | | reddish | | |
| | 2.54 4/1 ↓ | clay | w.s. | mottled | 18 SS | Calcareous Silty Mud | ② SILTY NUD | | |
| | BISCUIT | | | | | | many small shell frags | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | Avg. | Max. | | | | | ED | 26/12/11 |
| | 2.54 4/2 | clay | m.s. | wotted | 2 ↓ | | reddish ② <u>SILTY MUD</u> | | |
| | | | | biot. contact | | 12 △ | | | |
| | | | | | | 14 | | | |
| | | silt | m.s. | wotted | | 21 ▽ | <u>SANDY MUD</u> many small shell frags | | |
| | | | | biot. contact | | 34 | | | |
| | | clay | m.s. | | | | ① <u>MUD</u> | | |
| | | | | biot. contact | | 43 | | | |
| | | silt | m.s. | | | | <u>SANDY MUD</u> | | |

BISCUIT

PAL

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|----------|------------|----------------------------|
| | | Avg. | Max. | | | | | ED | 26/12/12 |
| -- 0 -- | | | | | | | | | |
| | grey | | | | 3 | | | | |
| -- 10 -- | grey | | | | ↓ | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | ① mud | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| | | | | | | | | | SS - 100 cm Calcareous Mud |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|-------|------------|-------|------------------------|----------|---------|-----------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| | | CLAY | | | | | | | | |
| -- 10 -- | | 10Y | | | | 3 | | | | |
| | | 5/11 | | | | ↓ | | | | |
| -- 20 -- | | ↓ | clay | m. s. | | | | ⊕ 700 | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | 55: shell frags | | |
| -- 70 -- | | | | | | | | 61: shell frags | | |
| -- 80 -- | | | | | | | | 83: shell frags | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

BISCUIT

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-------------------|--------------------|------------|------|------------------------|----------|---------|-------------------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | |
| -- 10 -- | CLAY 10Y 5/1 | | | | 3 ↓ | | | | |
| -- 20 -- | ↓ | | | | | | | | |
| -- 30 -- | | clay | m.s. | | | | ① <u>qud</u> | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | BISCUIT | | | grad. contact | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | clay | m.s. | wotted | | | ② <u>SILTY qud</u> | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | biot. contact | | | | | |
| -- 130 -- | | silt | m.s. | wotted | | | <u>SANDY qud</u> few shell frags | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|------------------|------------|------|------------------------|----------|---------|--|------------|----------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | | ED | 26/12/11 |
| --10-- | | GLY 104 S12 ↓ | silt | u.s. | wetted | 3 ↓ | | ③ SILTY SAND few shell frags | | |
| --20-- | | | | | | | | | | |
| --30-- | | | | | | | | | | |
| --40-- | | | | | | | SS | 44 cm Silty Sand w/ Bio Carb (fine dolomite grains) | | |
| --50-- | | | | | | | | | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | 86 } many shell frags 90 } | | |
| --100-- | | | | | | | | | | |
| --110-- | | | | | | | | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | biot. contact? | | | | | |
| --150-- | | | silt | u.s. | wetted | | | 141 SANDY MUD | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|--------------------|------------|------|------------------------|----------|---------|---|--------------|----------|
| | | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | GLY1 10Y 5/2 | | | | 3 ↓ | | | | |
| -- 20 -- | | ↓ | | | | | | | | |
| -- 30 -- | | | silt | m.s. | walled | | | -23: shell fgmt SANDY MUD small shell fgmts | | |
| -- 40 -- | | | | | | | | -29: shell fgmt -38: shell fgmt -45: shell fgmt | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | U | | | | grad. contact | | | -60 | | |
| -- 70 -- | C | | silt | m.s. | walled | | | | ③ SILTY SAND | |
| -- 80 -- | S | | | | ? | | | -89? crack | | |
| -- 90 -- | B | | | | | | | | | |
| -- 100 -- | | | clay | m.s. | | | | -93: crack | ② SILTY MUD | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|--------------------|------------|------|------------------------|----------|---------|--------------------------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | — | grey 10Y 5/4 | clay | med | mottled | 3 ↓ | | ② SILTY mud few small shell frags | | |
| -- 20 -- | | ↓ | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|---------|-------------------|-------------------------|------------|------|------------------------|----------|---------|---|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | | | |
| --10-- | | GLYM 104 4/2 ↓ | | | | | | | | |
| --20-- | | | silt | m.s. | wotted | | | ③ SILTY SAND -25-26: shell frags + echinoderm spine -26 cm Sandy Mud w/ BioCorb | | |
| --30-- | | | | | | | | | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | | -53-56: shell frags | | |
| --60-- | | | | | biot. contact | | | 65 | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | 84 86) large echinoderm spine | | |
| --90-- | | | | | | | | | | |
| --100-- | | | silt | m.s. | wotted | | | <u>SANDY MUD</u> | | |
| --110-- | | | | | | | | -109 shell fragmt | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | biot. contact | | | 134 | | |
| --140-- | | | silt | m.s. | wotted | | | -141-142: almost gastropod shell ③ SILTY SAND | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|-------------------------|------------|-------|------------------------|----------|---------|------------------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | 1) discontinuous silty layer | | |
| -- 10 -- | | grey 10Y 4/2 ↓ | clay | w. s. | | 3 ↓ | | ② <u>SILTY</u> <u>NO</u> D | | |
| -- 20 -- | | | | | | | | | | |
| -- 27 -- | | | | | | | | shell frmt | | |
| -- 28 -- | | | | | biot. contact | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 52 -- | | | | | | | | py. grain | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | clay | w. s. | | | | ① <u>NO</u> D | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | py. grain | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|-------------------------|------------|------|------------------------|----------|---------|--------------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | CLAY 104 4/1 ↓ | clay | m.s. | | 2 ↓ | | | | |
| -- 20 -- | | | | | | | | ① NUD -18: shell fgmt | | |
| -- 30 -- | | | | | | | | -34 -38) shell fgmt | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-----------|-------------------|-------|------------|------|------------------------|----------|------------------|--------------------|------------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | clay | m.s. | grad. contact | 3 | | ① <u>MUD</u> | | |
| -- 10 -- | | | clay | m.s. | wetted | ↓ | 5 | ② <u>SILTY MUD</u> | | |
| -- 20 -- | | | | | grad. contact | | 16 | | | |
| -- 30 -- | | | clay | m.s. | | | | ① <u>MUD</u> | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | grad. contact | | 112 | | | |
| -- 120 -- | | | clay | m.s. | wetted | | | ② <u>SILTY MUD</u> | | |
| -- 130 -- | | | | | bot. contact | | 125 | | | |
| -- 140 -- | | | | | | | 126: shell frags | | | |
| -- 150 -- | | | silt | m.s. | | | 134: shell frags | <u>SANDY MUD</u> | | |

BISCUIT

QLE41
104
4/2
↓

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: EO | Date: 26/12/11 |
|-----------|-------------------|----------------------|------------|------|------------------------|---------------|---------|----------|------------------|--|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | grey 1 104 4/2 | silt | med. | wotted | | | | | |
| -- 10 -- | | ↓ | | | biot. contact | 3 ↓ | | 12 | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | silt | med. | wotted | | | | | |
| -- 40 -- | BISCUIT | | | | | | | | | ③ SILTY MUD few small shell frags |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | sharp contact | | | | |
| -- 70 -- | | | clay | med. | | | | | | 70: shell frags ④ MUD many sand-filled burrows |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| -- 0 -- | | | | | | | | | ED | 26/12/11 |
| -- 10 -- | SLIGHTLY DISTURB | GLYH 104 4/2 ↓ | clay | in s. | | 3 ↓ | | ① MUD few shell frags (small) | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 10 -- | grey 104 4/2 ↓ | clay | m.s. | | 3 ↓ | | | | |
| -- 20 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 60 -- | | | | biot. contact | | | | | |
| | | | | | | | | | |
| -- 70 -- | | clay | m.s. | wobbed | | | | | |
| | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-------------------|---------------------------|------------|------|------------------------|----------|---------|----------------------------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | CLAY 1 104 4/2 ↓ | clay | m.s. | wotted | 3 | | ② SILTY MUD small shell frags | | |
| -- 10 -- | ↓ | | | bit. contact | ↓ | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | clay | m.s. | | | | ① MUD | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 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. | | | | | ED | 26/12/11 |
| -- 0 -- | | | | | | | | | |
| | GLYM | | | | | | | | |
| -- 10 -- | 10Y 4/2 ↓ | | | | 3 ↓ | | | | |
| -- 20 -- | | | clay m.s. | | | | | | |
| -- 30 -- | | | | | | | ⊙ QUD very small shell frags | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | 45 shell frags | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | grad. contact | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | clay m.s. | wetted | | | Ⓜ SILTY QUD shell frags small shell frags | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | 130 shell frags | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-------------------|--------------------|------------|------|------------------------|----------|---------|----------|------------------|--|
| | | Avg. | Max. | | | | | | |
| | GREY 10Y 4/1 | clay | w.s. | wetted | 3 ↓ | | | | |
| | | | | grad. contact | | | 19 | | |
| | | silt | w.s. | wetted | | | | | (3) SILTY SAND |
| | | | | sharp contact | | | 47 | | |
| | | clay | w.s. | wetted | | | | | (2) SILTY MUD |
| | | | | biot. contact | | | 79 | | |
| | | silt | w.s. | wetted | | | | | SANDY MUD |
| | | | | biot. contact | | | 98 | | |
| | | silt | w.s. | wetted | | SS | 110cm | | (3) SILTY SAND Silty Sand w/ Bio Carb |
| | | | | biot. contact | | | 123 | | |
| | | silt | w.s. | wetted | | | | | SANDY MUD |
| | | | | sharp biot. contact | | | 131 | | |
| | | clay | w.s. | wetted | | | | | (2) SILTY MUD Mudstone front |
| | | | | | | | 150 | | |

BISCUIT

SOUPY

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|------|------------------------|----------|---------|---|------------|----------|
| | | Avg. | Max. | | | | | ED | 26/12/11 |
| -- 0 -- | grey | | | | | | | | |
| | 104 | | | | | | | | |
| -- 10 -- | 4/4 ↓ | clay | m.s. | wetted | 3 ↓ | | ② SILTY MUD | | |
| -- 20 -- | | | | | | | | | |
| | | | | biot. contact | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | clay | m.s. | | | | ① MUD slightly silty | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | small shell frags all along the section | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | biot. contact | | | | | |
| | | | | | | | | | |
| -- 150 -- | | clay | m.s. | wetted | | | ② SILTY MUD | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-------------------|--------------------|------------|------|------------------------|----------|---------|--|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| | CLAY 10Y 4/1 | silt | m.s. | wotted | 2 | | SANDY mud | | |
| | | | | | | | | | |
| | | clay | m.s. | wotted | | | ② SILTY mud many sand-filled burrows small shell frags | | |
| | | | | | | | | | |
| | | | | biot. contact | | | | | |
| | | clay | m.s. | | | | ① mud slightly silty | | |
| | | | | | | | | | |
| | | | | grad. contact | | | 107: shell frag 108 | | |
| | | clay | m.s. | wotted | | | 123: shell frag ② SILTY mud small shell frags | | |
| | | | | | | | | | |
| | | | | biot. contact | | | | | |
| | | clay | m.s. | | | | ① mud | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-----------------|------------|-----------|------------------------|----------|---------|---------------------------------------|------------|----------|
| | | Avg. | Max. | | | | | EO | 26/12/11 |
| -- 0 -- | | | | | | | | | |
| | GREY | | | | 3 | | | | |
| -- 10 -- | 104 L/L ↓ | | | | ↓ | | | | |
| -- 20 -- | | | clay m.s. | | | | -19) shell frags -23) ⊕ <u>ADD</u> | | |
| -- 30 -- | | | | | | | -32/33: shell frags | | |
| -- 40 -- | BISCUIT | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | -58: shell frags | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: ED | Date: 26/12/11 |
|-------------------|--------------------------|------------|------|-------------------------|----------|---------|--------------|------------------|-------------------|
| | | Avg. | Max. | | | | | | |
| | GREY 10Y 4/1s ↓ | clay | m.s. | | 2 ↓ | | ① MUD | | |
| | | clay | m.s. | biot. contact walled | | | ② SILTY MUD | | |
| | | silt | m.s. | biot. contact walled | | | ③ SILTY SAND | | |



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-----------------|----------------|-----------------------|--------------------------------|----------|---------|---|------------|-------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | GLE Y1 4/10Y | Clay | Very fine sand (Foam) | Massive | BI:2 | | Type 1: Mud • Py burrow • Foram present | NN | 27/Dec/2011 |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | Biscuits | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | 96 ↓ Shell fragments 106 | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| 123 | | GLE Y1 4/10Y | Silt | Fine sand | Gradational contact Massive | BI:2 | | Type 2: Silty mud • Foram present | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| 143 | | | | | Gradational contact ↓ | | 1455 | | | |
| 147 | | GLE Y1 | Very fine sand | Fine sand | Massive | BI:2 | | Type 3: Silty sand • Foram present | | |
| -- 150 -- | (VOID) | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|--|------------|-------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | NN | 27/Dec/2011 |
| | | | | | | | | Type 3: Mud (same as above) | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | 23 Foram patches | | |
| -- 30 -- | | | | | | | | 31 Foram patch | | |
| -- 40 -- | | | | | | | | 33] R, burrow 34] Foram patch | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | 56] 59] Foram patches 63] | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | Biscuits | | | | | | | | | |
| -- 90 -- | | | | | | | | 85 shell fragments 89] 90 Foram patch | | |
| -- 100 -- | | | | | | | | 96] Small shell fragments 104] | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | 111] 117] Foram patches | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | 133 small shell fragments | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|------|------------------------|----------|---------|---------------------------------------|------------|-----------|
| | | Avg. | Max. | | | | | NN | 27/Dec/11 |
| | | | | | | | Type 1: Mud (same as above) | | |
| | | | | | | | 24 Shell fragments | | |
| | Biscuits | | | | | | 43 } small shell fragments 49 } | | |
| | Crack | | | | | | 59 } Foram patches 64 } | | |
| | | | | | | 70 SS | 73 } | | |
| | | | | | | | 82 } | | |
| | Crack | | | | | | 93 Foram patch | | |
| | | | | | | | 107 Foram patch | | |
| | | | | | | | 116 ↓ small shell fragments 121 | | |
| | | | | | | | 129 Foram patch | | |
| | | | | | | | 143 } | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|--|------------|-----------|
| | | Avg. | Max. | | | | | NN | 27/Dec/01 |
| -- 0 -- | | | | | | | Type 1: Mud (same as above) | | |
| -- 10 -- | | | | | | | 13 small shell fragments | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | 48 Foram patch | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | 89 Foram patches | | |
| -- 100 -- | | | | | | | 93 Py burrow | | |
| -- 110 -- | | | | | | | 104 } Py burrows 106 } | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | 125 Burrow filled with silt | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | 145 } Burrow filled with silt 150 } | | |

Disconity

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

2976

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: NU | Date: 27/Dec/11 |
|----------|-------------------|-------------|----------------|-----------|------------------------|----------|-----------|---|---------------|---------------------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | Type 1: Mud (same as above) | | |
| --10-- | | | | | | | | | | |
| --20-- | | | | | Gradational contact | | | | | |
| 25 | | GLEYS 4/10Y | Silt | Fine sand | Massive | BI: 3 | | Type 2: Silty mud • Foram present | | ↑ Fining upward |
| --30-- | | | | | | | | | | |
| --39-- | | | | | Gradational contact | | | | | |
| 40 | | GLEYS 4/10Y | Very fine sand | Fine sand | Massive | BI: 3 | | Type 3: Silty sand • Foram present | | |
| --50-- | | | | | | | | | | |
| Biscuits | | | | | | | | | | |
| --60-- | | | | | | | 5F 65S | Dispersed shell fragments with echinoid fragments | | |
| --65-- | | | | | Gradational contact | | | | | |
| 73 | | GLEYS 4/10Y | Silt | Fine sand | Massive | BI: 3 | | Type 2: Silty mud • Foram present | | ↶ Coarsening upward |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --103-- | | | | | | | 103 | Foram patches | | |
| --107-- | | | | | | | 107 | | | |
| --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. | | | | | | |
| --0-- | | | | | | | | | NN | 27/Dec/11 |
| | | | | | Gradational contact | | | Type 2: Silty mud (same as above) | | |
| 0 | | | | | | | | | | |
| --10-- | | GLY1 4/1 10Y | Clay | Fine sand (in burrows) | Massive | BI:3 | | Type 1: Mud | | |
| | 15 (circled) | | | | | | | • Foram present | | (coarsening upward) |
| --20-- | | | | | | | | • Py burrow | | |
| | | | | | | | | partly dispersed | | |
| --30-- | | | | | | | | foram patches (common) | | |
| | Biscuits | | | | | | | | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | | | | |
| 50 | | | | | | | | | | |
| --60-- | | | | | | | | | | |
| | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| | | | | | | | | | | |
| --80-- | | | | | | | | | | |
| | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| | | | | | | | | | | |
| --110-- | | | | | | | | | | |
| | | | | | | | | | | |
| --120-- | | | | | | | | | | |
| | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

2978



| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|---------------------------|------------|-------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | Type: Mud (same as above) | NN | 27/Dec/2011 |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 39 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 45 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Biscuits

13
↓ Abundant foram patches
16

26

35
↓ Foram patches
37

Paleo - sample

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/29 |
|-------------------|---------|------------|-------------------|------------------------|----------|---------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| 0 | 10Y 4/1 | clay | fine sand (foram) | massive | | | mud - foram present - s. forampatch | | |
| 10 | | | | | | | | | |
| 20 | 10Y 4/1 | silt | fine sand (foram) | massive | BI 3 | | silty mud - foram present fining upward small shell fragments | | |
| 30 | | | | | | | | | |
| 48 | 10Y 4/1 | clay | fine sand (foram) | massive | BI 3 | | mud - foram present - silty mud filled burrow | | |
| 50 | | | | | | | | | |
| 60 | 10Y 4/1 | clay | fine sand (foram) | massive | BI 3 | | 65, P, burrow | | |
| 70 | | | | | | | | | |
| 80 | 10Y 4/1 | clay | fine sand (foram) | massive | BI 3 | | 78, shell fragment | | |
| 86 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| | | | | | | | 5, shell frag ments | | |
| -- 10 -- | | | | | | | | | |
| | | | | | | | 16, py burrow | | |
| -- 20 -- | | | | | | | | | |
| | | | | | | | 26, shell fragment | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| | | | | | | | 106) shell fragments | | |
| | | | | | | | 108) | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|------------------------|----------|---------|----------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | 7, py burrow | | |
| -- 20 -- | | | | | | | 18, P, burrow | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | 45, shell fragment | | |
| -- 50 -- | | | | | | | 57, foram patch | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | 81, foram patch | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | 105, py burrow | | |
| -- 110 -- | | | | | | | 109, shell fragments | | |
| -- 120 -- | | | | | | | 129, py burrow | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | 141, shell fragment | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|---------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | | | | -16, P, burrow | | |
| --20-- | | | | | | | -20, P, burrow | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | -58, scaphopods fragment? | | |
| --70-- | | | | | | | -65 | | |
| --80-- | | | | | | | -70, foram patch | | |
| --85-- | | | | | | | -75, S-S | | |
| --90-- | | | | | | | -86, shell fragments | | |
| --95-- | | | | | | | -90, shell fragments | | |
| --100-- | | | | | | | -95, foram patch | | |
| --105-- | | | | | | | -103, foram patch | | |
| 108 | | | | gradational contact | | | | | |
| --110-- | 10Y 4/1 | silt | h. sand (foram) | massive | BI 3 | | Silty mud - foram present | | |
| --120-- | | | | | | | -122, foram patch | | |
| --130-- | | | | | | | -129, shell fragment | | |
| --140-- | | | | | | | -135, shell fragment | | |
| --145-- | | | | gradational contact | | | -138, shell fragment | | |
| 142 | 10Y 4/1 | clay | h. sand (foram) | massive | BI 2 | | Mud - foram present. | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|---------|------------|------|------------------------|----------|---------|---------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | 2 - Same as above | | |
| | | | | | | | 7 - small shell fragments | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | 33 - shell fragment | | |
| | | | | | | | small shell fragments | | |
| -- 40 -- | | | | | | | 38 | | |
| -- 50 -- | | | | | | | | | |
| | | | | | | | 56, py burrow | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | 70, py burrow | | |
| | biscuit | | | | | | | | |
| -- 80 -- | | | | | | | 82, shell fragment | | |
| -- 90 -- | | | | | | | | | |
| | | | | | | | 98, py burrow | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | -20, foramin patch | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | -58, shell fragment | | |
| --70-- | | | | | | | -70, shell fragment | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | -112, shell fragments | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



biscuit

10X
4/1

2.5X
4/1
Color change (gradational)

-20, foramin patch

-58, shell fragment

-70, shell fragment

-112, shell fragments

| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|--------------------------|----------|---------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | 29, py burrow | | |
| -- 40 -- | | | | | | | 42~44. foram patches | | |
| -- 50 -- | | | | | | | 54, shell fragments 59, foram patch | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | 83. py burrows | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | 103. shell fragments | | |
| 108 | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|------------|------------|-----------------|------------------------|-------------|-------------------|------------------------------|------------|---------------|
| | | | Avg. | Max. | | | | | | |
| --0-- | ↑ | | | | gradat. / con | ional / act | | Same as above | ST | 2011 12/27 |
| 4 | | | | | | | | | | |
| --10-- | ↓ biscuit | 10T 4/1 | silt | m. sand (foram) | massive | BZ 3 | -15 -19 -22 | Silty mud ↳ foram present | | |
| --20-- | | | | | | | | | | |
| --30-- | | | | | | | | | | |
| 34 | | | | | | | | | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | | | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --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. | | | | | | |
| | GREY / 4/10Y | Clay | Medium Sand (Foram) | Massive | BI:2 | | Type 1: Mud • Py burrow • Foram present • Relatively Greenish color comparing to core 29X. | NN | 27/Dec/2011 |
| | | | | | | | -26 Py burrow | | |
| | | | | | | | -33 ↓ Dispersed small shell fragments -35 | | |
| | | | | | | | -63 <u>small shell fragments</u> ↑ < 1mm | | |
| | | | | | | | -83 Py burrow | | |
| | | | | | | | -122 Py burrow | | |
| | | | | | | | -131 Shell fragments | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|----------|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | NN | 27/Dec/2011 | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Type 1: Mud (same as above)

14
 ↓
 18 Small shell fragments

80 Foram patch

111
 ↓
 115 Small shell fragments

124 Py burrow

137
 ↓
 149 Abundant Forams

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|---------------|------------|---------------------|------------------------|----------|-----------------------------|----------|-------------------|-------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | NN | 27/Dec/2011 | |
| --10-- | | | | | | | Type 1: Mud (same as above) | | | |
| --15-- | | | | | | | 10 small shell fragments | | | |
| --17-- | | | | | | | Foram patch | | | |
| --18-- | | | | | | | | | | |
| --21-- | | | | | | | | | | |
| --49-- | | | | | | | 49 Small shell fragments | | | |
| --61-- | | | | | | | 61 Shell fragments | | | |
| --73-- | Biscuits | | | | Gradational contact | | | | | |
| --75-- | | GLE1 4/10Y | Silt | Medium sand (foram) | Massive BI:2 | | Type 2: Silty mud | | Fining upward | |
| --132-- | | GLE1 4/10Y | Clay | Medium sand (foram) | Massive BI:2 | | Type 1: Mud | | coarsening upward | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------------|------------|-----------|
| | | Avg. | Max. | | | | | NN | 27/Dec/11 |
| -- 0 -- | | | | | | | Type 1: Mud (same as above) | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | 42 Abundant Forams | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 75 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 85 -- | | | | | | | 85 Foram patch | | |
| -- 90 -- | | | | | | | 92 Py burrow | | |
| -- 100 -- | | | | | | | | | |
| -- 103 -- | | | | | | | 103 Py burrow | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 120 -- | | | | | | | 120 Py burrow | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 140 -- | | | | | | | 140 Py burrow | | |
| -- 150 -- | | | | | | | | | |

BISCUITS

70] small shell fragments
 71]
 75

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|--------------------------|----------|---------|----------|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | UV | 27/Dec/2011 | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Type 1: Mud (same as above)

34 SS

41
↓
43 Foram patches

Biscuits

76 small shell fragments

103 Foram patches

111

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: NN | Date: 27/Dec/2011 | | | | | | | | | |
|-------|-------------------|--------------|------------|-------------------|--|----------|---------|-----------------------------|---------------|-------------------|--|--|--|--|--|--|--|--|--|
| | | | Avg. | Max. | | | | | | | | | | | | | | | |
| 0-- | | | | | | | | Type 1: Mud (same as above) | | | | | | | | | | | |
| 10-- | | | | | | | | 6 Foram patch | | | | | | | | | | | |
| 20-- | | | | | | | | 14 Foram patch | | | | | | | | | | | |
| 25-- | Biscuits | Grey / 1/10Y | Silt | Fine sand (foram) | Gradational contact ↓ Massive BI:2 | | | Type 2: Silty mud | | | | | | | | | | | |
| 30-- | | | | | | | | | | | | | | | | | | | |
| 40-- | | | | | | | | | | | | | | | | | | | |
| 41-- | | | | | | | | Gap | | | | | | | | | | | |
| 42-- | | | | | | | | 42 Foram patch | | | | | | | | | | | |
| 50-- | | | | | | | | | | | | | | | | | | | |
| 60-- | | | | | | | | | | | | | | | | | | | |
| 66-- | | | | | | | | | | | | | | | | | | | |
| 70-- | | | | | | | | | | | | | | | | | | | |
| 80-- | | | | | | | | | | | | | | | | | | | |
| 90-- | | | | | | | | | | | | | | | | | | | |
| 100-- | | | | | | | | | | | | | | | | | | | |
| 110-- | | | | | | | | | | | | | | | | | | | |
| 120-- | | | | | | | | | | | | | | | | | | | |
| 130-- | | | | | | | | | | | | | | | | | | | |
| 140-- | | | | | | | | | | | | | | | | | | | |
| 150-- | | | | | | | | | | | | | | | | | | | |

↑ Firming upward





| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|----------------|------------|------|------------------------|----------|---------|----------|------------|-----------------------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | NN | 27/Dec/11 | Type 2: Silty mud (same as above) |
| -- 10 -- | BISCUITS | | | | | | | | | 16 } Foram rich lenticular silt |
| -- 20 -- | | | | | | | | | | 18 } |
| -- 30 -- | | | | | Gradational contact | | | | | |
| 34 | | GLEYS 4/10Y | Clay | Silt | Massive | BI-2 | | | | Type 1: Mud |
| 39 | | | | | | | | | | Paleo-sample |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

coarsening upward??

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|---------|------------|-----------------|--------------------------|----------------|---------|---------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| 0 | 10Y 4/1 | clay | m. sand (foram) | massive | B ₂ | | mud - foram present | | |
| 10 | | | | | | | | | |
| 20 | biscuit | | | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | 40 SS | coarse part | | |
| 48 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|------------------------|----------|---------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | coarse part | | <u>Same as above</u> |
| -- 10 -- | | | | | | | 12 8. py burrow 12. shell fragments | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | foram patch | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | 119. py burrow 123. shell fragments | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | 139. shell fragments | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|------------------------|----------|---------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| | | | | | | | - 5. shell fragment | | |
| | | | | | | | - 7. py burrow | | |
| -- 10 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 20 -- | | | | | | | - 20, py burrow | | |
| | | | | | | | - 22, py burrow | | |
| -- 30 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 40 -- | | | | | | | - 39, shell fragment? (scaphopods fragment?) | | |
| | | | | | | | - 45 | | |
| -- 50 -- | | | | | | | - 51) small shell fragments | | |
| | | | | | | | - 53. scaphopods fragment? | | |
| -- 60 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 80 -- | | | | | | | - 77. foram patch | | |
| | | | | | | | | | |
| -- 90 -- | | | | | | | - 85. foram patch | | |
| | | | | | | | | | |
| -- 100 -- | | | | | | | - 93. foram patches | | |
| | | | | | | | - 94) | | |
| -- 110 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 140 -- | | | | | | | - 139, shell fragment | | |
| | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 20" 12/27 |
|-------------------|-------|------------|------|------------------------|----------|---------|--|------------------|--------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | | | | -18, foram patch -19, py burrow | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | -41, py burrow -47, py burrow | | |
| --50-- | | | | | | | -55, scaphopods fragments? | | |
| --60-- | | | | | | | -65, foram patch | | |
| --70-- | | | | | | | | | |
| --80-- | | | | | | | -84, shell fragments | | |
| --90-- | | | | | | | -93, py burrow -96, shell fragments | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|---------|------------|------|------------------------|----------|---------|--|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | little coarse part Small shell fragments | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | -42, py burrow -44, shell fragments | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | biscuit | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | -99 py burrow? -103 py burrow | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | -147 shell fragments -149 shell fragments | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|----------|------------------|------------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Same as above

20-21, shell fragments

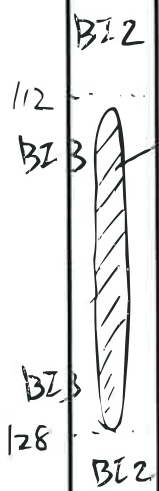
37, py burrow

59, py burrow

61, py burrow

biscuit

95, shell fragment



large burrow

119, foram patch

141) shell fragments

148

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/29 |
|-------------------|--|------------|------|------------------------|----------|---------|----------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| 0 | | | | | | | | | |
| 10 | | | | | | | -12, py burrow | | |
| 20 | | | | | | | | | |
| 25 | 10T 4/1 ↓ | | | | | | | | |
| 30 | not change color chart but more greenish | | | | | | -31, py burrow | | |
| 40 | 10T 4/1 | | | | | | | | |
| 50 | | | | | | | -48, shell fragment | | |
| 55 | | | | | | | -54, foram patch | | |
| 58 | | | | | | | -58, foram patch | | |
| 63 | | | | | | | -63, shell fragment | | |
| 70 | biscuit | | | | | | | | |
| 90 | 89 ↓ 10T 4/1 | | | | | | | | |
| 125 | | | | | | | -125, foram patch | | |
| 141 | | | | | | | -141, shell fragment | | |
| 150 | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|------------------------|----------|---------|---------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | | | | -10 -12) foram patches | | |
| --20-- | | | | | | | -19, 8/ burrow | | |
| 26 | | | | | | | | | |
| 31 | | | | | | | PAL | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --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. | | | | | | |
| | | | | | | | | NN | 27/Dec/2011 |
| 0-- 4-- | GLE Y1 4/10Y | Clay | Very fine sand (foram) | Massive | BI:2 | | Type 1: Mud • Foram present • Py burrows | | |
| 10-- 20-- | | | | | | | 21 Foram patch | | |
| 30-- 34.5-- | | | | | | | | | |
| 40-- 50-- | | | | | | | 47 Foram patches 48 Shell fragments | | |
| 60-- 66-- | | | | Gradational contact | | | | | |
| 70-- 80-- | GLE Y1 4/10Y | Silt | Very fine sand | Massive | BI:2 | | Type 2: Silty mud • Foram present • Dispersed shell fragments | | |
| 90-- 100-- | | | | | | | | | |
| 110-- 120-- | | | | Gradational contact | | | | | |
| 125-- 130-- | GLE Y1 4/10Y | Very fine sand | Fine sand | Massive | BI:2? | | Type 3: Silty sand • Foram present • Dispersed shell fragments | | |
| 133-- 140-- | | | | Gradational contact ↓ Bioturbated contact ↓ | | | Type 2: Silty mud | | |
| 140-- 150-- | GLE Y1 4/10Y | Clay | Very fine sand (foram) | Massive | BI:3 | | Type 1: Mud [135-137] burrows filled with silt | | |

Biscuits

Fining upward

Coarsening upward

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------|-------------------|------------|------------|-------------------|------------------------|----------|---------|-------------------------------------|------------|-----------|
| | | | Avg. | Max. | | | | | NN | 27/Dec/21 |
| 0 | | | | | | | | Type 1: Mud (same as above) | | |
| 2 | | | | | | | | ↳ 2 Py burrows | | |
| 26 | | | | | | | | ↳ Shell fragments | | |
| 27 | | | | | | | | ↳ Burrows filled with silt & Forams | | |
| 38 | | | | | | | | ↳ Py burrow | | |
| 40 | | | | | | | | | | |
| 73 | | | | | | | | ↳ small shell fragments | | |
| 79 | | | | | | | | | | |
| 102 | | | | | | | | ↳ small shell fragments | | |
| 108 | | | | | | | | | | |
| 117.5 | | | | | | | | ↳ Py burrows with forams | | |
| 119 | | | | | | | | | | |
| 133 | | | | | (Gradational contact) | | | | | |
| 133 | | GLER 4/10x | Silt | Fine sand (Foram) | Massive | BI:2? | | Type 2: Silty mud | | |
| 140 | | | | | | | | • Foram present | | |
| 150 | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

↑ Fishing upward

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------------------|---------------|------------|------------------------|------------------------|----------|---------|---|------------|-------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | Gradational contact | | | Type 2: Silty mud (same as above) 6 small shell fragments | NN | 27/Dec/2011 |
| 7 -- 10 -- 11 | GREY #/10Y | Silt | Fine sand | Massive | BI: 1? | | Type 2.5: Sandy mud • Foram present | | fining upward |
| -- 20 -- | GREY #/10Y | Silt | Fine sand | Massive | BI: 2? | | Type 2: Silty mud • Foram present • Dispersed shell fragments | | Coarsening upward |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| 65 | | | | Bioturbated contact | | | | | |
| -- 70 -- | GREY #/10Y | Clay | Very fine sand (foram) | Massive | BI: | | Type 1: Mud burrows filled with silt & forams (partly pyritized) 83 Foram patch | | coarsening upward |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

Biscuits

potentially sharp contact?

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|------------------|----------------|------------------------|------------------------|----------|---------|-----------------------------|------------|-----------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Type 1: Mud (same as above) | NN | 27/Dec/01 |
| | | | | Gradational contact | | | | | |
| --10-- | | | | | | | | | |
| 12 | GLE 1 4/1 10Y | Silt | Vary fine sand (foram) | Massive | BI:2 | | Type 2: Silty mud | | |
| --20-- | | | | | | | 19-22 Py burrows | | |
| | | | | Gradational contact | | | Foram present | | |
| 29 | GLE 1 3/1 10Y | Silt | Fine sand | Massive | BI:2 | | Type 2.5: Sandy mud | | |
| --30-- | | | | | | | Shell fragments (dispersed) | | |
| 36 | | | | Gradational contact | | | Foram present | | |
| --40-- | | | | | | | | | |
| 40 | GLE 1 4/1 10Y | Silt | Fine sand (foram) | Massive | BI:3 | | Type 2: Silty mud | | |
| --50-- | | | | | | | Dispersed shell fragments | | |
| | | | | Partly bioturbated | | | Foram present | | |
| 58 | | | | Gradational contact | | | | | |
| --60-- | | | | | | | | | |
| 60 | GLE 1 4/1 10Y | Clay | Vary fine sand (foram) | Massive | BI:2 | | Type 1: Mud | | |
| --70-- | | | | | | | | | |
| | | | | | | | | | |
| 81 | | | | | | 81 ss | | | |
| --80-- | | | | | | | | | |
| | | | | Gradational contact | | | | | |
| 93 | GLE 1 4/1 10Y | Silt | Fine sand | Massive | BI:2 | | Type 2: Silty mud | | |
| --100-- | | | | | | | Foram present | | |
| | | | | Gradational contact | | | Dispersed shell fragments | | |
| 107 | | | | | | | | | |
| --110-- | | | | | | | | | |
| 110 | GLE 1 4/1 10Y | Silt | Fine sand | Massive | BI:2 | 114 ss | Type 2.5: Sandy mud | | |
| --115-- | | | | | | | Dispersed shell fragments | | |
| 115 | | | | Sharp contact | | | | | |
| --120-- | | | | | | | | | |
| 120 | GLE 1 4/1 10Y | Clay | Fine sand (in burrows) | Massive | BI:2 | | Type 1: Mud | | |
| --125-- | | | | | | | Foram present | | |
| 125 | | | | | | | Py burrows | | |
| --130-- | | | | | | | | | |
| 130 | 2.5Y 5/1 | Vary fine sand | Fine sand | Sharp contact | | | Type 3: Silty sand | | |
| --140-- | | | | | | | Well sorted "white" sand | | |
| | | | | Sharp contact | | | heavy biscuits | | |
| 145 | GLE 1 4/1 10Y | Clay | Silt | Massive | BI:2 | | Type 1: Mud | | |
| --150-- | | | | | | | | | |
| 147.5 | | | | | | | | | |
| 150 | GLE 1 4/1 10Y | Silt | Vary fine sand | Massive | BI:3 | | Type 2: Silty mud | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Gradational contact

Biscuits

Fining upward

Coarsening upward

Fining upward

Fining upward

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: NN | Date: 27/Dec/2011 |
|-------------------|------------|------------|------------------------|------------------------|----------|---------|-----------------------------------|---------------|-------------------|
| | | Avg. | Max. | | | | | | |
| 2 | GLEI 4/10Y | Silt | Fine sand | Massive | BI: 2 | | Type 2: Silty mud (same as above) | | |
| | | | | gradational contact | | | Type 2.5: Sandy mud | | Fining upward |
| 18 | GLEI 4/10Y | Clay | very fine sand (Foram) | Massive | BI: 2 | | Type 1: Mud | | |
| | | | | Sharp contact | | | 21 silt filled burrow | | |
| | | | | Partly disturbed | | | 25-27 | | |
| | | | | | | | 53 Py burrow | | |
| | | | | | | | 60 | | |
| | | | | | | | 61 | | |
| | | | | | | | 97 shell fragments | | |
| | | | | | | | 105 Py burrows | | |
| | | | | | | | 122 Py burrow | | |
| 143 | | | | | | | | | |

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

3008

| --0-- | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: NN | Date: 27/Dec/2001 |
|---------|------------------------------------|----------------|------------|-----------------------|------------------------|----------|---------|---------------------------------|---------------|-------------------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | Type 1: Mud (same as above) | | |
| --10-- | | | | | | | | [-11] py burrows | | |
| --20-- | | | | | | | | [-2] Foram patch | | |
| --30-- | | | | | | | | | | |
| --40-- | | | | | | | | | | |
| --50-- | Biscuits | | | | | | | 55 shell fragments (Scaphopoda) | | |
| 57 | | GLE 1 F/10Y | Silt | Fine Sand | Gradational contact | | | | | |
| --60-- | | | | | | | | Type 2: Silty mud | | |
| | | | | | | | | Potentially sharp contact | | |
| --70-- | | | | | | | | | | |
| 73 | | GLE 1 F/10Y | Clay | Fine sand (in burrow) | Gradational contact | BI: 2 | | | | |
| --80-- | | | | | | | | Type 1: Mud | | |
| 79 | | | | | | | | | | |
| 80 | | GLE 1 F/10Y | Silt | Fine sand | Massive | BI: 3 | | | | |
| --90-- | | | | | | | | | | |
| | | | | | | | | | | |
| 82 | | | | | | | | | | |
| 83 | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| 101 | | | | | | | | | | |
| --110-- | [Large X mark over bottom section] | | | | | | | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

3009



| -- Depth -- | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------|-------------------|-------|------------|------|------------------------|----------|---------|-----------------------------------|------------|-----------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | Type 2: Silty mud (same as above) | NU | 27/Dec/11 |
| -- 10 -- | | | | | | | | - Foram patch | | |
| -- 20 -- | | | | | | | | - 20 Foram patches | | |
| -- 25 -- | | | | | | | | - 25 Large forams (2mm) | | |
| -- 30 -- | Biscuits | | | | | | | Dispersed shell fragments | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| 51 | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

3010

| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|-------|------------|------|------------------------|----------|-----------------------------------|----------|----------------|-------|
| | | | Avg. | Max. | | | | | | |
| 0 | | | | | | | | NN | 27/Dec/2011 | |
| 0-10 | | | | | | | Type 2: Silty mud (same as above) | | | |
| 10-20 | | | | | | | 5 small shell fragments | | | |
| 20-30 | | | | | | | | | | |
| 30-40 | | | | | | | | | | |
| 30-40 | Biscuits | | | | | | | | | |
| 40-50 | | | | | | | | | | |
| 50-60 | | | | | | | | | | |
| 60-65 | | | | | | | | | | |
| 65-70 | | | | | | | | | | |
| 65-70 | | | | | | | | | Paleo - sample | |
| 70-80 | | | | | | | | | | |
| 80-90 | | | | | | | | | | |
| 90-100 | | | | | | | | | | |
| 100-110 | | | | | | | | | | |
| 110-120 | | | | | | | | | | |
| 120-130 | | | | | | | | | | |
| 130-140 | | | | | | | | | | |
| 140-150 | | | | | | | | | | |



MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------|-------------------|------------|------------|--------------------|------------------------|----------|---------|---------------------------|------------|---------------|
| | | | Avg. | Max. | | | | | | |
| 0 | ↑ biscuit ↓ | 10Y 4/1 | silt | m. sand (foram) | massive | BI 2? | | Silty mud - foram present | SF | 2011 12/27 |
| 10 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 26 | | | | | | SS | | | | |
| 30 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 120 | | | | | | | | | | |
| 130 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 150 | | | | | | | | | | |

Small shell fragments

coar. silt
upward
form 2-A

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|--|------------------|---|
| | | Avg. | Max. | | | | | | |
| ↑ | | | | | | | Same as above | | |
| 8 | | | | gradational contact | | | | | Small shell fragments / Coarsening upward |
| | 10Y 4/1 | clay | m. sand (foram) | massive | BI 2 | | mud - foram present | | |
| | | | | | | | 21, shell fragments | | |
| | | | | | | | 28 31) shell fragments | | |
| | | | | | | | 54 56) shell fragments | | |
| bisquit | | | | | | | 73, scaphopods fragment, shell fragments | | |
| | | | | | | | 95, foram patch | | |
| | | | | gradational contact | | | | | |
| H-110 | 10Y 4/1 | silt | m. sand | massive | BI 3 | | Silty mud - foram present | | |
| | | | | | | | 118, shell fragments | | |
| | | | | potentially sharp | | | | | |
| | | | | bio-turbated contact | | | | | Drilling upward |
| 146 | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present | | |
| ↓ | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|---|------------------|------------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | bioturbated contact | | | | | |
| 14 | | | | | | | | | |
| --20-- | 10Y 4/1 | silt | m. sand | massive | BI 3 | | Silty mud - foram present -23. shell fragments | | small shell fragments |
| --30-- | | | | | | | | | 27 |
| --40-- | | | | | | | -40. shell fragments -43. shell fragment. | | 40 |
| --50-- | biscuit | | | | | | | | Small shell fragments |
| --60-- | | | | | | | | | |
| --70-- | | | | gradational contact | | | | | |
| 77 | | | | | | | | | |
| --80-- | 10Y 4/1 | clay | m. sand (foram) | massive | BI 2 | | mud - foram present | | Small shell fragments |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | 102 |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | -119. shell fragment -123. shell fragments | | |
| --130-- | | | | | | | -128 | | |
| --140-- | | | | | | | | | 142 |
| --150-- | | | | | | | | | Small shell fragments 146 |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

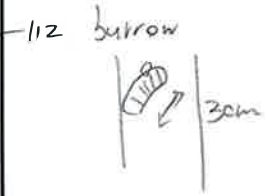
| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: | | |
|-------|-------------------|---------|------------|-----------------|------------------------|----------|---------|---------------------|---------------|----------------|-----------|---------------|
| | | | Avg. | Max. | | | | | | | | |
| 0-- | ↑ | | | | gradational contact | | | SF | 2011 12/27 | Same as above | | |
| 6 | | | | | | | | | | | | |
| 10-- | | 10Y 4/1 | silt | m. sand | massive | BI 2 ? | | | | | Silty mud | Fining upward |
| 14 | | | | | gradational | | | | | | | |
| 20 | | 10Y 4/1 | f. sand | m. sand | massive | BI 2 ? | 16 S.S. | Silty sand | | | | |
| 20-- | | | | | erosional contact | | | | | | | |
| 20-- | | 10Y 4/1 | clay | m. sand (foram) | massive | BI 3 | | mud - foram present | | | | |
| 30-- | | | | | | | | | | | | |
| 40-- | | | | | | | | | | 35, py burrow | | |
| 50-- | | | | | | | | | | 41, py burrow? | | |
| 60-- | | | | | | | | | | 47, py burrow | | |
| 70-- | | | | | | | | | | | | |
| 80-- | | | | | | | | | | | | |
| 90-- | | | | | | | | | | | | |
| 100-- | | | | | | | | | | | | |
| 110-- | | | | | | | | | | | | |
| 120-- | | | | | | | | | | | | |
| 130-- | | | | | | | | | | | | |
| 140-- | | | | | | | | | | | | |
| 150-- | | | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------------------------|------------|------|------------------------|----------|---------|----------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| | 10Y 4/1 6 10Y 5/1 | | | | | | color change | | |
| --10-- | | | | | | | -15, shell fragments | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | | -29, shell fragments | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | | | |
| | | | | | | | | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| | | | | | | | | | |
| --110-- | | | | | | | | | |
| | | | | | | | | | |
| --120-- | | | | | | | | | |
| | | | | | | | | | |
| --130-- | | | | | | | | | |
| | 10Y 5/1 10Y 4/1 | | | | | | | | |
| --140-- | | | | | | | | | |
| | | | | | | | | | |
| --150-- | | | | | | | | | |

40 SS



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|---|------------|------|------------------------|----------|---------|---|------------------|--|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | -44, foram patch -47, py burrow | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | 10x 4/1 78 ↓ | | | | | | | | |
| -- 90 -- | 10x 4/1 don't change color chart but more darker. | | | | | | -90, shell fragment -95, shell fragments | | 78 ↑ little coarser part. ↓ 113 |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | 10x 4/1 113 ↓ | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | -129, foram patch | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | - shell fragments | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|------------------------|----------|---------|----------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| | | | | | | | 8, shell frag mts | | |
| -- 10 -- | | | | | | | | | |
| | | | | | | | 20, foram patch | | |
| -- 20 -- | | | | | | | | | |
| | | | | | | | 35, py burrow | | |
| -- 30 -- | | | | | | | 38, foram patch | | |
| -- 40 -- | | | | | | | | | |
| | | | | | | | 58, shell fragment? | | |
| -- 50 -- | | | | | | | | | |
| | | | | | | | 69, foram patch | | |
| -- 60 -- | | | | | | | | | |
| | | | | | | | 84 } shell fragments | | |
| -- 70 -- | | | | | | | 90 - gastropods | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| 95 | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|--------------------------|----------|---------|--------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | 4, shell fragment | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | 21, shell fragment | | |
| 23 | | PAL | | | | | | | |
| 26 | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 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. | | | | | | |
| --0-- | | GLEK1 4/10Y | Very fine sand | Medium sand | 6 Upper contact is not clear | | | NN | 27/Dec/2011 | |
| --10-- | | | | | Massive | | Type 3: Silty sand • Fine-Medium sand in uppermost part. • Foram present • Dispersed shell fragments | | | |
| --20-- | | | | | | | | | | |
| --30-- | Biscuits | | | | | | | | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | Gradational contact | | | | | |
| 57 | | GLEK1 4/10Y | Silt | Very Fine sand | Massive | BI-2 | Type 2: Silty mud | | | |
| --60-- | | | | | | | • Foram present | | | |
| 64 | | | | | (in burrows) | | | | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --110-- | | | | | | | | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

coarsening upward

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|-----------------|-------------------|--------------|------------------------|----------|---------|-----------------------------------|------------|---------------------|
| | | | Avg. | Max. | | | | | NN | 27/Dec/2011 |
| --0-- | | | | | | | | Type 2: silty mud (same as above) | | |
| --10-- | | | | | | | | -9 Foram patch in a burrow | | |
| --20-- | | | | | | | | -24 shell fragments | | |
| --30-- | | | | | Gradational contact | | | | | ↗ Coarsening upward |
| --35-- | | GLY1 clay 4/10Y | Fine sand (Foram) | Massive BI:2 | | | | Type 1: Mud | | |
| --40-- | | | | | | | | - Foram present | | |
| --45-- | | | | | | | | - Py burrow | | |
| --50-- | | | | | | | | 36 41 Py burrow | | |
| --55-- | | | | | | | | | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| --80-- | Biscuits | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | -103 Small shell fragments | | |
| --110-- | | | | | | | | -109 Py burrow | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | -126 Small shell fragments | | |
| --135-- | | | | | | | | ↓ <1 mm | | |
| --140-- | | | | | | | | -128 Py burrow | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|------|------------------------|----------|---------|---|------------|-------------|
| | | Avg. | Max. | | | | | | |
| | | | | | | | | NN | 27/Dec/2011 |
| -- 0 -- | | | | | | | Type 1: Mud (same as above) to Py burrow | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | 21 } Py burrows 25 } | | |
| -- 30 -- | | | | | | | 33 Foram patch | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | Biscuits | | | | | | | | |
| -- 90 -- | | | | | | | 89 Foram patch | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | 116 } shell fragments 123 } | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | 133 shell fragments (calaginite) | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|----------|------------|------|------------------------|----------|---------|-----------------------------|------------|-------------|
| | | Avg. | Max. | | | | | NN | 27/Dec/2011 |
| -- 0 -- | | | | | | | Type 1: Mud (same as above) | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | Biscuits | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

48
 56
 69
 Py burrows

78.5
 Calcareous Mud
 (+ Biosiliceous)

101 Py burrow, Shell fragments
 108
 109 Py burrow

144 Py burrow

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|-------|------------|------|------------------------|----------|---------|--|------------|-------------|
| | | Avg. | Max. | | | | | NN | 27/Dec/2011 |
| | | | | | | | Type 1: Mud (same as above) | | |
| | | | | | | | 10 } Py burrows 18 } | | |
| | | | | | | | 31 ↓ Abundant forams 40 | | |
| | | | | | | | 61 Small shell fragments | | |
| | | | | | | | 75 ↓ Small shell fragments 84 | | |
| | | | | | | | 92 93 } Py burrows 94.5 } 98 ↓ Dispersed shell fragments | | |
| | | | | | | | 123 } 125 } 130 } Py burrows 131 } | | |
| | | | | | | | 143 Py burrows | | |
| | | | | | | | | | |

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. / struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|-------------|------------|------------------------|----------------------------------|----------|---|----------|-----------------|-------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | NN | 27/Dec/2011 | |
| | | | | | | | Type 1: Mud (same as above) | | | |
| --10-- | | | | | | | -15 -19 } Py burrows | | | |
| --20-- | | | | | | | | | | |
| --30-- | | | | | | | -32 Foram patch | | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | Gradational contact | | | | | |
| 56 | | | | | ↓ | | | | | |
| --60-- | | GLEYS / 10Y | Silt | Very fine sand (Foram) | Massive BI:2 | | Type 2: Silty mud • Foram present | | | |
| | Biscuits | | | | | | | | fining upward ↑ | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | Gradational contact | | | | | |
| 82 | | | Silt | Fine sand | Massive BI:2 | | Type 2.5: Sand mud • Shell fragments | | | |
| --90-- | | | | | partly bioturbated sharp contact | SS | Sandy Mud w/ BioCarb | | | |
| 92 | | | | | sharp contact | | | | | |
| --100-- | | GLEYS / 10Y | Clay | Fine sand (in burrows) | Massive BI:3 | | Type 1: Mud • Foram present • Py burrow | | | |
| --110-- | | | | | | | -116 Foram patch | | | |
| --120-- | | | | | | | -119 ↓ Burrows filled with silt & Forams ↓ -132 | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Depth | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|-------|------------|------|------------------------|----------|-----------------------------|----------|-------------|-------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | Biscuits | | | | | | | NN | 27/Dec/2011 | |
| -- 10 -- | | | | | | | Type 1: Mud (same as above) | | | |
| -- 20 -- | | | | | | | 19 shell fragments | | | |
| 26.5 | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| 32 | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |


MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/29 |
|----------------------|-----------------------|------------|--------------------|---------------------------------------|----------|---------|--|------------------|-----------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | 10Y 4/1 | clay | m. sand (foram) | massive | BI 2 | | mud - foram present -10, shell fragment | | |
| --10-- | | | | | | | -24, shell fragment -26, shell fragment | | |
| --20-- | | | | gradational contact | | | | | |
| --30-- 32 | | | | | | | | | |
| | 10Y 4/1 | silt | m. sand | massive? | BI 3 | | -silty mud -34, py burrow -47, shell fragment -52~53, shell fragments | | small shell fragments |
| --40-- | | | | gradational contact | | | | | |
| --50-- | | | | | | | | | |
| 59 | | | | | | | -sandy mud | | |
| --60-- | biscuit 10Y 4/1 | vt. sand | m. sand | massive? | BI 3? | | -72~75, shell fragments | | |
| --70-- 75 | | | | bisturbated contact | | | | | |
| | 10Y 4/1 | clay | f. sand | massive? | BI 3? | | mud. | | |
| 83 80-- | | | | gradational contact | | | | | |
| | 10Y 4/1 | vt. sand | m. sand | massive? | BI 3? | | -sandy mud -86~90, shell fragments | | |
| 95 90-- | | | | | | | | | |
| | 10Y 4/1 | clay | m. sand (foram) | bisturbated contact massive | BI 3 | | mud - foram present - coarse particle and shell fragment filled burrow. | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | -132, shell fragment | | |
| --140-- | | | | | | | -140~142, py burrow -143~145, py burrow | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/29 |
|-------------------|-------|------------|------|------------------------|----------|---------|---|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | <u>Same as above</u> | | |
| -- 10 -- | | | | | | | -13~14, py burrow | | |
| -- 20 -- | | | | | | | -28. py burrow | | |
| -- 30 -- | | | | | | | -38~40, burrow () | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | -101, shell fragment | | |
| -- 110 -- | | | | | | | -106~107, py burrow | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | -140, shell fragment | | |
| -- 150 -- | | | | | | | -149, shell fragment | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/29 |
|-------------------|-------------|------------|------------------|------------------------|----------|---------|--------------------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | | | |
| --30-- | | | | gradational contact | | | | | |
| --30-- | 2.5Y 4/1 | silt | m. sand | massive | BI 2? | | silty mud 33 shell fragment | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | biscuit | | | | | | 55 shell fragments | | |
| --70-- | | | | | | | 69 | | |
| --77-- | | | | gradational contact | | | | | |
| --80-- | 10Y 4/1 | f. sand | m. sand | massive | BI 2? | | silty sand | | |
| --90-- | (2.5Y 4/1?) | | | | | | 93. shell fragments | | |
| --100-- | | | | | | | 99. shell fragments | | |
| --106-- | | | | erosional contact | | | 105. shell fragment | | |
| --110-- | 10Y 4/1 | clay | m. sand (foram.) | massive | BI 3 | | mud - foram present | | |
| --120-- | | | | | | | 115. P ₁ burrow | | |
| | | | | | | | 117. P ₂ burrow | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | 140. P ₁ burrow | | |
| --150-- | | | | | | | 145. P ₂ burrow | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|---------|------------|-----------------|------------------------|----------|---------|--|-----------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | Same as above | | |
| --10-- | | | | | | | | | |
| --20-- | | | | | | | | | |
| --30-- | | | | | | | | | |
| 42-40-- | | | | gradational contact | | 34 S.S. | Mud w/ Bio Carb -28) q/ burrows -41) | | |
| --50-- | 10Y 4/1 | silt | m. sand | massive | BI 2? | 48 S.S. | silty mud Silty Mud w/ Bio Carb | Small shell fragments | |
| 52 | 10Y 4/1 | v.f. sand | m. sand | massive | BI 2? | | silty sand | | |
| --60-- | | | | | | | | | fining upward |
| b/s cut | | | | | | | | | |
| --70-- | | | | | | 67 S.S. | Silty sand w/ Bio Carb | | |
| 82 | | | | erosional contact | | | | | |
| --80-- | 10Y 4/1 | clay | m. sand (foram) | massive | BI 2 | | mud - foram present | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | | | | | | | | |
| --130-- | | | | | | | | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-------------------|-------|------------|------|------------------------|----------|---------|---------------------|------------------|------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | -25, shell fragment | | |
| -- 40 -- | | | | | | | -30, shell fragment | | |
| -- 50 -- | | | | | | | -52, foram patch | | |
| 59 | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: SF | Date: 2011 12/27 |
|-----------|-------------------|-------|------------|------|------------------------|----------|---------|--------------------|------------------|------------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | | | | | | | Same as above | | |
| -- 10 -- | | | | | | | | 14, shell fragment | | |
| 17 | | | | | | | | | | |
| -- 20 -- | | PAL | | | | | | | | |
| 22 | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| -0-- 3 | GLY1 4/10Y | Silt | Very fine sand | Massive | BI:2 7 | | Type 2.5: Muddy sand | NI | 27/Dec/2011 |
| -10-- | 2.5Y 4/1 | Clay | Very fine sand (foram) | Sharp contact ↑ Massive | BI:2 | | Type 1: Mud Foram present | | |
| -20-- | | | | | | | -21 Shell fragments | | |
| -30-- | | | | | | | | | |
| -40-- | | | | | | | | | |
| -50-- | | | | | | | | | |
| -60-- | | | | | | | | | |
| -70-- | Biscuits | | | | | | | | |
| -74 | | | | | | | | -68 ↓ dispersed shell fragments | |
| -80-- | | | | | | | | | |
| -90-- | | | | | | SS | | | |
| -100-- | | | | | | SS | Calcareous Mud | | |
| -110-- | | | | | | | -106 Foram patch | | |
| -120-- | | | | Gradations! contact ↓ | | | -121 Py burrow | | |
| -129 -130-- | 2.5Y 4/1 | Silt | Fine sand | Massive | BI:2 | | Type 2: Silty mud Foram present Dispersed shell fragments | | Fining upward |
| -140-- | | | | | | | | | |
| -150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|---------------|------------|-----------|------------------------|-----------|--|----------|---------------|-------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | NN | 2/26/2011 | |
| --10-- | | | | | | | | | | |
| --20-- | | | | | | | | | | |
| off | | | | | | | | | | |
| --25-- | BISCUITS | GLYX 3/10Y | Silt | Fine Sand | Massive | BI-2 ? | Type 2-5: Sandy mud • Foram present • Dispersed shell fragments -39 Large gastropod | | Fining upward | |
| --30-- | | | | | | | | | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | | | | |
| 50.5 | | | | | | | | | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --110-- | | | | | | | | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

Gradational contact

Fining upward

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|---------|-------------------|----------------------|----------------|-----------|------------------------|----------|---------|--|-----------------|-------|
| | | | Avg. | Max. | | | | | | |
| --0-- | | | | | | | | NN | 29/Dec/2011 | |
| 17 | | | | | | | | | | |
| --10-- | Biscuits | Grey / 10% fine sand | Very fine sand | fine sand | Massive | BJ: 2 | | Type 2.5: Sandy mud (same as above) | | |
| --20-- | | | | | | | | Type 3: Silty sand - Foraminiferous | ↑ Fining upward | |
| 26 | | | | | | | | | | |
| --30-- | | | | | | | | Paleo - Sample | | |
| --40-- | | | | | | | | | | |
| --50-- | | | | | | | | | | |
| --60-- | | | | | | | | | | |
| --70-- | | | | | | | | | | |
| --80-- | | | | | | | | | | |
| --90-- | | | | | | | | | | |
| --100-- | | | | | | | | | | |
| --110-- | | | | | | | | | | |
| --120-- | | | | | | | | | | |
| --130-- | | | | | | | | | | |
| --140-- | | | | | | | | | | |
| --150-- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: MAM | Date: 27/Dec/2011 |
|-----------|-------------------|-------------|------------|------|------------------------|----------|---------|---------------------------|-------------------|----------------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | 2.5Y 4/1 | clay | M.S. | | 3 | | ② SILTY MUD | | |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | 32-35: sand-filled burrow | | |
| -- 40 -- | | | | | | | | | | |
| -- 44 -- | | | | | grad. c. | | | | | |
| -- 50 -- | | 2.5Y | clay | M.S. | | 3. | | Φ MUD | | |
| -- 60 -- | biscuit | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| -- 0 -- | | 2.5Y 4/1 | clay | ms. | | 3. | | (2) SILTY mud | Mar | 27/Dec/2011 |
| -- 10 -- | | | | | | | | | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 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. | | | | | | |
| | | | | | | | 1~3cm: more coarser. | mom | 29/Dec/2011 |
| -- 0 -- | | | | | 3 | | | | |
| | 2.5Y 4/1 | clay | ms. | | | | ② SILTY MUD | | |
| -- 10 -- | | | | | | | | | |
| | Biscuit | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| | | | | grad. c. | | | | | |
| -- 30 -- | 2.5Y 4/1 | Silt | ms. | | 3 | | ④ SANDY MUD Small shell frags. | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 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. | | | | | | |
| -- 0 -- | | 5GK 4/1 | | | | | | | MAN | 27/06/20 |
| -- 10 -- | | | | | | | | ① mud | | |
| -- 20 -- | | | | | | | | | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | Biscuit | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | 8098 Mud w/ Biogenic Carbonate | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | 117-120 : py. filled burrow | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: MAMM | Date: 21/Dec/2011 |
|-------------------|------------|------------|------|------------------------|----------|---------|---|--------------------|----------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | 5GY 3/1 | | | | | | ① mud | | |
| -- 10 -- | Biscuit | clay | M.S | | | | | | |
| -- 20 -- | Voxy | | | | | | | | |
| -- 25 -- | 5GY 3/1 | clay | M.S | Grad. C. | | | | | |
| -- 30 -- | Biscuit | | | normal G. | | | normal s. ③ SILTY SAND | | |
| -- 34 -- | 5GY 3/1 | | | | | | | | |
| -- 35 -- | 5GY 4/1 | | | | | | | | |
| -- 40 -- | | | | | | | 34~35 cm : methane smell. bed. (sample for geochem.) from Working Half. | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY: