

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: <i>masw</i> | Date: <i>31 DEC / 2011</i> |
|-------------------|----------------|-------------|--------------------|------------------------|----------|---------|--|---------------------------|-------------------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | <i>10YR5/1</i> | <i>Clay</i> | <i>Medium sand</i> | <i>massive</i> | <i>2</i> | | ① <i>NAVO MUD</i> <i>Small shell fragments all along the section</i> - 2a Shell fragment - 51 shell fragment - 116 - 117 more clayey layer | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

Fall-in(?) disturbance

undisturbance

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-------------------|---------|------------|-------------|------------------------|----------|---------|---|-------------------|------------|
| | | Avg. | Max. | | | | | masu | 3/DEC/2011 |
| --0-- | 10YR5/1 | clay | Medium sand | massive | 2 | | ① MANNING MUD small shell fragments all along the section | | |
| --10-- | | | | | | | | | |
| --20-- | 10YR5/1 | | | | | | | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | 51 shell fragments | | |
| --60-- | 10YR5/1 | | | | | | | 57-87: mottled | |
| --70-- | | | | | | | | | |
| --80-- | | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | 10YR5/1 | clay | Medium sand | grad. c | | | 103 ② SILTY MUD | | |
| --110-- | | | | | | | | | |
| --120-- | | clay | Medium sand | | | | 118 ↑ more silty layer | | |
| --130-- | | | | | | | | | |
| --140-- | | clay | Medium sand | | | | 134 ↓ | | |
| --150-- | 10YR5/1 | clay | Medium sand | | | | 152 ① MANNING MUD | | |

Disturbance

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|-------------------|---------|------------|-------------|------------------------|----------|---------|--|-----------------|------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | 10YR5/1 | clay | Medium sand | massive | 2 | | ① MANN MUD small shell fragments all along the section mottled | | |
| -- 10 -- | | | | | | | | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | 10YR5/1 | clay | M.S | bio. c | 3 | | 49 ② SILTY MUD = 63-65 pyritized silt/sand w/ shell frags. | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | 10YR5/1 | v.f. sand | M.S | bio. c | 3 | | 80 ③ SILTY SAND | | |
| -- 90 -- | 10YR5/1 | clay | M.S | bio. c | 3 | | 88 ② SILTY MUD -94 discontinuous fine-grained sand layer (thickness: < 1cm) | | |
| -- 100 -- | | | | | | | | | |
| -- 110 -- | | | | | | | | | |
| -- 120 -- | | | | | | | -107 shell fragments | | |
| -- 130 -- | | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | -146 sulfur speck | | |

Disturbance

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|-------------------|-------------|------------|--------|------------------------|----------|---------|--|------------|------------|
| | | Avg. | Max. | | | | | masm | 3/DEC/2011 |
| --0-- | 10Y5/1 | clay | Medium | | 2 | | ② SILTY MUD | | |
| | | | | | | | small shell fragments all along the section | | |
| --10-- | 10Y5/1 | clay | | Bio. C | | | - 7 sulfur specks. | | |
| | | | | | 2 | | ① NANNO MUD | | |
| --20-- | | | | massive | | | | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | | | | | | | | | |
| --60-- | | | | | | | | | |
| --70-- | | | | | | | | | |
| --80-- | Disturbance | | | | | | | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | | | | | | | | | |
| --120-- | | clay | M.S. | Geo. C. | | | 116 | | |
| | | | | | | | ② SILTY MUD | | |
| --130-- | | | | Bio. C. | | | possible flow in channel w/ shell frag. | | |
| | | clay | M.S. | massive | | | 131 | | |
| | | | | | | | or sand-filled burrow | | |
| | | | | | | | I think ② | | |
| --140-- | | | | | | | ① NANNO MUD | | |
| --150-- | | | | | | | | | |

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|-------------------|-------------|------------|-----------|-----------------------|----------|---------|---|------------|------------|
| | | Avg. | Max. | | | | | | |
| --0-- | 10Y4/1 | Clay | Med. s. | | | | ② SILTY mud small shell fragments all along the sec. | masm | 3/DEC/2011 |
| --10-- | 10Y4/1 | Clay | Medium s. | Bio. c | 3 | | ① normal mud | | |
| --20-- | change | | | | | | mottled | | |
| --30-- | | | | | | | | | |
| --40-- | | | | | | | | | |
| --50-- | 10Y5/1 | | | | | | 54 φ 8cm greenish silty mottle. | | |
| --60-- | | | | | | | | | |
| --70-- | 5G4/1 | Clay | Medium | Bio. c | | | 68 ③ SILTY mud | | |
| --80-- | Disturbance | | | | | | mottled | | |
| --90-- | | | | | | | | | |
| --100-- | | | | | | | | | |
| --110-- | 5G4/1 | | | Bio. c | | | inclined pyritized sand-filled layer w/ shell frags. | | |
| --120-- | | Clay | M.S. | massive | | | ① normal mud | | |
| --130-- | | | | | | | mottled | | |
| --140-- | | | | | | | | | |
| --150-- | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

| Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: nsw | Date: 3/DEC/2011 |
|-------------------|----------|-------------|------|------------------------|----------|---------|--|-------------------|---------------------|
| | | Avg. | Max. | | | | | | |
| -- 0 -- | 10GY 4/1 | clay | m.s. | massive | 3 | | ① NANO MUD | | |
| -- 10 -- | | | | | | | Small shell fragment all along the section. | | |
| -- 20 -- | | | | | | | | | |
| -- 30 -- | | | | | | | | | |
| -- 40 -- | | | | | | | | | |
| -- 50 -- | | | | | | | | | |
| -- 60 -- | | | | | | | | | |
| -- 70 -- | | | | | | | | | |
| -- 80 -- | | | | | | | | | |
| -- 90 -- | | | | | | | | | |
| -- 100 -- | | Disturbance | | | | | | | |
| -- 110 -- | | | | | | | Large-sized burrow length: > 24cm width: > 4cm | | |
| -- 120 -- | | | | | | | | | |
| -- 130 -- | 10Y 4/1 | | | | | | | | |
| -- 140 -- | | | | | | | | | |
| -- 150 -- | | | | | | | | | |

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|-----------|-------------------|--------|------------|------|------------------------|----------|---------|--------------------|------------|------------|
| | | | Avg. | Max. | | | | | | |
| -- 0 -- | | 10Y4/1 | clay | M.S. | mesne | 2 | | ① MANNO MUD | Moser | 3/DEC/2011 |
| -- 10 -- | | | | | | | | small shell fragm. | | |
| -- 20 -- | | | | | | | | a. a. section | | |
| -- 30 -- | | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

Disturbance

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| | Drilling disturb. | Color | Grain-size | | Sed. struct. / contact | Bioturb. | Samples | Comments | Logged by: | Date: |
|-----------|-------------------|--------|------------|------|------------------------|----------|---------|-----------------------|------------|------------|
| | | | Avg. | Max. | | | | | Mason | 3/DEC/2011 |
| -- 0 -- | | 10Y4/1 | Clay | M.S. | massive | 3 | | ① NANNO mud | | |
| -- 10 -- | | | | | | | | small shell fragments | | |
| -- 20 -- | | | | | | | | a.a. section | | |
| -- 30 -- | Disturbance | | | | | | | | | |
| -- 40 -- | | | | | | | | | | |
| -- 50 -- | | | | | | | | | | |
| -- 60 -- | | | | | | | | | | |
| -- 70 -- | | | | | | | | | | |
| -- 80 -- | | | | | | | | | | |
| -- 90 -- | | | | | | | | | | |
| -- 100 -- | | | | | | | | | | |
| -- 110 -- | | | | | | | | | | |
| -- 120 -- | | | | | | | | | | |
| -- 130 -- | | | | | | | | | | |
| -- 140 -- | | | | | | | | | | |
| -- 150 -- | | | | | | | | | | |

MAJOR LITHOLOGY:

MINOR LITHOLOGY: